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# ADMINISTRATION REPORT
## OF THE
# MUNICIPAL COMMISSIONER
## FOR
# GREATER BOMBAY
## FOR THE YEAR
# 1952-53



BOMBAY
PRINTED AT THE MUNICIPAL PRINTING PRESS
1953

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# REVIEW OF THE STANDING COMMITTEE ON THE ADMINISTRATION REPORT OF THE MUNICIPAL COMMISSIONER FOR GREATER BOMBAY FOR THE YEAR 1952-53

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The Administration Report, submitted by the Municipal Commissioner, gives in detail the working of the Municipal Departments for the year 1952-53.

**Corporation.**

2. Shri Ganpatishankar N. Desai, J.P., was elected Mayor of Bombay for the year under report. Shri N. C. Pupala, J.P., was the Chairman of the Standing Committee ; Dr. N. N. Shah, L.C.P.S., J.P., was the Chairman of the Improvements Committee ; and Shri R. K. Achrekar, J.P., was the Chairman of the Education Committee up to the end of March 1953.

**Commissioner.**

3. Shri B. K. Patel, I.C.S., J.P., continued to hold the office of the Municipal Commissioner till 20th September 1952, except for the period from 3rd September 1952 to 20th September 1952, when he was on leave. During his absence on leave Shri P. R. Nayak, I.C.S., J.P., was appointed to act as Municipal Commissioner up to 20th September 1952. Shri Nayak was appointed as Municipal Commissioner *vice* Shri B. K. Patel for a period of three years from 21st September 1952 and held that office during the remaining period of the year.

**Finances.**

4. The financial position of the Corporation during recent years has given rise to considerable anxiety due to income not keeping pace with the mounting expenditure, with the result that the Corporation have had to face deficit budgets successively for the previous three years. This necessitated the Corporation to increase the rate of General Tax by 3 per cent. in the year under report and also to resort to other measures to give relief to the surplus cash balance which then stood at Rs. 87.70 lacs leaving a closing balance of Rs. 52.82 lacs at the end of the year under report. The major source of the Municipal Revenue is the General Tax. The rate of General Tax now stands at 17 per cent. against the statutory maximum of 21 per cent. leaving a bare margin of 4 per cent. only. It is, however, gratifying to note that after 3 continuous years of actual deficits, the year under report had shown progress in that it ended with a surplus of Rs. 22.96 lacs. This has been achieved largely due to the increase made in the General Tax and to partly on account of a determined policy of rigidly controlling the expenditure on staff and keeping down demands for additional grants. The sources available to the Corporation are limited and none too elastic. It is, therefore, necessary to curtail certain demands, to find out ways and means to reduce expenditure wherever possible without affecting efficiency and to explore additional sources of revenue. With a view to effecting economy, the Corporation have engaged the services of Messrs. Ibcon, Ltd., who have so far made their recommendations for the re-organization of several Municipal Departments, and the implementation of some of their recommendations has resulted in a considerable saving up to 31st March 1953. Further appreciable savings are expected to accrue as the implementations of their other recommendations, will be carried on in future. It is hoped that the Commissioner will follow the policy of effecting economy till the financial position shows a marked improvement in the working of the Municipal administration without affecting the efficiency of the Departments.

**Variation in Income.**

5. In preparing the Budget Estimates for the year under report an Opening Cash Balance of Rs. 35.88 lacs was estimated. On the final closing of the accounts for the year 1951-52 the actual Opening Balance was Rs. 15.75 lacs, which was less by Rs. 37.74 lacs than the actual Opening Balance of the previous year, *viz.*, Rs. 53.49 lacs. The total income was budgetted at Rs. 856.93 lacs, but the actual realization amounted to Rs. 910.56 lacs, showing an increase of Rs. 53.63 lacs over the budgetted amount and also an increase of Rs. 139.05 lacs over the actuals of the previous year, *viz.*, Rs. 771.51 lacs. On the Expenditure Side, the budgetted amount was Rs. 880.86 lacs which exceeded by Rs. 88.6 lacs the actual of Rs. 792.80 lacs of the previous year. However, the actual expenditure at the close of the year was reduced to Rs. 822.86 lacs which was less than the budget estimate (Rs. 880.86 lacs) by Rs. 58.00 lacs. The anticipated deficit of Rs. 23.93 lacs was thus turned into a surplus amounting to Rs. 87.70 lacs. In the preceding year the deficit amounted to Rs. 21.29 lacs and in the year before, it was Rs. 28.49 lacs. The financial transactions of the year ended with a Closing Balance of Rs. 52.82 lacs.

A detailed study of the Income Side reveals a net increase of Rs. 23.74 lacs, compared with the original estimates, comprising of gross increases amounting to Rs. 42.72 lacs counterbalanced by decreases to the extent of Rs. 18.98 lacs. The main increases were under I.—General Tax, etc., (*i*) Interest and Profit on Investment, etc., Rs. 3.78 lacs, (*ii*) Miscellaneous Rs. 1.75 lacs, 2.—Water Works Rs. 18.43 lacs ; 3.—Education Primary Rs. 4.88 lacs (due

to receipt of arrears for last year) ; 9.—Mechanical Rs. 1.05 lacs; Buildings Rs. 1.54 lacs ; 12.—Licensing, etc., Rs. 5.92 lacs ; 14.—Markets, etc., Rs. 3.39 lacs and minor increases under certain other heads Rs. 1.98 lacs.

The main decreases in income were under General Tax proper Rs. 13.40 lacs, Grant-in-aid in respect of fines Rs. 1.23 lacs, Roads, etc., Rs. 0.86 lac, Contribution from Capital funds Rs. 2.80 lacs and miscellaneous decreases under certain other heads Rs. 0.69 lac.

**Variation in Expenditure.**

6. As against the final sanctioned grants (including Renewed and Additional grants) which aggregated to Rs. 958.63 lacs, the actuals amounted to Rs. 822.86 lacs, leaving an unexpended balance of Rs. 135.77 lacs at the close of the year. Against this, an amount of Rs. 48.61 lacs was required to be renewed for expenditure in the following year and the balance of Rs.87.16 lacs was allowed to lapse as savings.

The actual expenditure for the year, *viz.*, Rs. 822.86 lacs compared with that of the previous year *viz.*, Rs. 792.80 lacs showed a net increase of Rs. 30.06 lacs, *i.e.*, gross increases Rs. 60.74 lacs *less* decreases Rs. 30.68 lacs, the main increases being under Water Works Rs. 13.78 lacs ; Public Health Rs. 7.09 lacs, Medical Relief, etc., Rs. 7.52 lacs ; Street Cleansing, etc., Rs. 14.93 lacs, Roads, etc., Rs. 1.96 lacs, Markets, etc., Rs. 1.97 lacs, Dearness Allowance Rs. 5.50 lacs, Contribution to Budget 'D' Rs. 2.96 lacs, Cyclone Damage Rs. 3.13 lacs and minor increases under certain other heads Rs. 1.90 lacs. The main decreases were under Education(Primary) Rs. 23.41 lacs, Mechanical Rs. 4.94 lacs and under certain other heads Rs. 2.33 lacs. Additional grants sanctioned during the year aggregated to Rs. 30.77 lacs against Rs. 34.64 lacs in the previous year.

**Loan Funds.**

7. The Opening Balance on 1st April 1952, on account of Loan Funds (excluding the Trust Fund) was Rs. 5.99 lacs. Loans aggregating to Rs. 374.83 lacs were raised during the year. The total Loan Funds available for expenditure during the year were Rs. 380.82 lacs. Out of this an amount of Rs. 64.74 lacs was reserved for the purchase of Capital Stock. The net amount available for expenditure during the year was Rs. 316.08 lacs. The total expenditure incurred during the year was Rs. 361.72 lacs. The expenditure of Rs. 45.64 lacs incurred in excess of funds available was met out of an advance of an equivalent amount from the Surplus monies, which would be adjusted in the loans to be raised in the following year.

At the close of the preceding year the total amount of Municipal Loan outstanding including advances from the various Special Funds was Rs. 17,38,54 lacs. This was increased to Rs. 20,08.83 lacs at the close of the year under review. An amount of Rs. 104.54 lacs was repaid during the year under report. Total Debt Charges for payment of interest, Sinking Fund, etc., amounted to Rs. 188.49 lacs.

**Sinking Funds.**

8. The book value of investments of the Sinking Fund at the close of the year amounted to Rs. 452.16 lacs. Valuing the Municipal and Improvement Trust Debentures at par, the market value of Sinking Fund Investments at the end of the year stood at Rs. 453.14 lacs. This, together with the amount of interest accrued upto 31st March 1953, *viz.*, Rs. 2.06 lacs, and cash of Rs. .86 brought the total amount of Sinking Fund to Rs. 455.20 lacs, which more than covered the amount of Rs. 431.42 lacs to which the Fund should have accumulated at the close of the year under review. The excess in the Fund was thus Rs. 23.78 lacs against Rs. 9.74 lacs at the end of the previous year.

**Improvement Schemes General Account.**

9. The total income for the year, *viz.*, Rs. 112.89 lacs, showed a net decrease of Rs. 0.60 lac over that of the preceding year, *viz.*, Rs. 113.49 lacs. This was made up of decreases in (*i*) contribution from Municipal Corporation Rs. 0.45 lac, (*ii*) Receipts on account of Tobacco Duty Rs. 2.58 lacs, and (*iii*) Interest and Profit on Investments Rs. 0.47 lac counter-balanced by increases in (*i*) Rents and other proceeds of properties Rs. 2.83 lacs and (*ii*) Miscellaneous Receipts Rs. 0.07 lac.

The total expenditue for the year, *viz.*, Rs. 118.79 lacs showed an increase of Rs.7.88 lacs, over that of the previous year, *viz.*, Rs. 110.91 lacs. This was due to increase on account of Maintenance of Properties and Streets Rs. 8.46 lacs counter-balanced by decrease of Rs. 0.58 lac under Debt Charges.

**Loan Accounts.**

Loan Liabilities of the *ex*-Trust at the commencement of the year were Rs. 15,40.46 lacs against Rs. 15,47.09 lacs in the previous year. No new loan liability was incurred during the year, while the debt was reduced by Rs. 6.86 lacs, which was repaid to Government on the basis of equated payments. The outstanding loan liabilities at the close of the year thus stood at Rs. 15,33.60 lacs of which the actual liability to Government was Rs. 375.66 lacs.

**Capital Account.**

The year began with an Opening Balance of Rs. 140.03 lacs. In the course of the year receipts on account of Sale Proceeds of Lands and Buildings amounting to Rs. 12.28 lacs were credited to this Account. The total funds thus available were Rs. 152.31 lacs, out of which an amount of Rs. 21.86 lacs was spent on different works. The deficit in the General Account for the year amounted to Rs. 5.90 lacs and was transferred to the Capital Account. There was thus left an unspent balance of Rs. 124.55 lacs at the close of the year.

**Sinking Fund in Improvement Schemes Account.**

The amount of Sinking Fund on 31st March 1953 was Rs. 492.31 lacs including an amount of Rs. 211 with the Imperial Bank of India. Valuing the Municipal and Trust debentures at par, the market value of Sinking Fund Investments at the end of the year under review amounted to Rs. 492.90 lacs. This, together with interest accrued upto 31st March 1953 of Rs. 1.11 lacs and cash of Rs. 211 with the Imperial Bank of India brought the total amount of Sinking Fund to Rs. 494.02 lacs against Rs. 458.13 lacs, at which the Sinking Fund should have accumulated at the close of the year. The excess in the fund thus amounted to Rs. 35.89 lacs.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1953, was Rs. 15.34 lacs. Out of this Rs. 3.24 lacs were borrowed from Government, and the blance of Rs. 12.10 lacs represented loans raised by issue of debentures. Out of Rs. 12.10 lacs a sum of Rs. 4.76 lacs was borrowed from Government and Rs. 7.34 lacs from the public.

The gross Capital liabilities of the Improvement Schemes stood at Rs. 1,581.18 lacs at the close of the year under review and the assets at Rs. 2,755.76 lacs including the book value of lands comprised in Schedule 'W' and 'X' which has resulted in a surplus of Rs. 11.34 lacs.

**Education Fund.**

The total income for the year amounted to Rs. 136.41 lacs (including Rs. 99.38 lacs being the contribution from Budgets 'A' and 'D') against the Budget Estimates of Rs. 145.97 lacs and the Revised estimates of Rs. 136.54 lacs showing a decrease of Rs. 9.56 lacs on Budget Estimates and Rs. 0.13 lac on the Revised Estimates. The decrease of Rs. 9.56 lacs was made up of a decrease of Rs. 9.80 lacs in contribution from Budgets 'A' and 'D' and Rs. 1.17 lacs in contribution from Government on account of grants on Expenditure on Sindhi Schools counter-balanced by an increase of Rs. 1.01 lacs in fees from Municipal Schools and Rs. 0.40 lac in other miscellaneous revenue. The final sanctioned grants amounted in aggregate to Rs. 159.37 lacs (including the unexpended grant for the previous year and the Additional Grants).

The total expenditure booked was Rs. 132.88 lacs and the total unexpended grants amounted to Rs. 26.49 lacs. Out of this, grants to be renewed in 1953-54 aggregate to Rs.9.43 lacs leaving a balance of Rs. 17.06 lacs to be lapsed as savings.

The expenditure booked during the year on the Capital Works was Rs. 1.35 lacs and that on discount and other charges on the new loan amounted to Rs. 0.28 lac leaving a balance of Rs. 8.37 lacs to be carried forward for the next year.

The opening balance of the Education Fund at the beginning of the year was Rs. 13.67 lacs. The transactions for the year resulted in a surplus of Rs. 3.52 lacs. The balance at the close of the year was Rs. 17.19 lacs. Out of this an amount of Rs. 9.43 lacs was reserved for meeting the revenue expenditure for 1952-53 and the previous years to be incurred during 1953-54. The balance at the close of the year stood at Rs. 7.77 lacs.

**Taxation, Demand Collection and Outstandings.**

10. The rates of taxation other than of General Tax remained the same as in the previous year, *i.e.*, Water Tax at $3\frac{3}{4}$ per cent. and Halalkhore Tax at 3 per cent. The rate of General Tax (including Fire Tax) was raised from $14\frac{3}{4}$ to $17\frac{3}{4}$ per cent. The rate of tax on vehicles and animals remained the same as in the preceding year. The rate charged for the supply of water by meter measurement was enhanced from Rs. 2 to Rs. 2-4-0 per 1,000 gallons in case of the Race Course premises and in respect of premises of the Trustees of the Port of Bombay excluding their residential ones. The rates in respect of other premises remained the same as in the previous year.

On the Assessment Register, at the close of the year there were 54,079 properties against 53,865 during the previous year. Out of the total number of properties, 46,190 were assessed to General Tax ; 1,812 were exempted from the General Tax ; 2,408 were not taxed being very small plots, and 2,560 were Municipal plots.

Properties newly erected, enlarged and demolished during the year numbered 841, 1,206 and 627, respectively, against 991, 1,127 and 406 in the previous year. At the end of the year single-room tenements, double room tenements and flats or blocks numbered 2,73,704, 69,288 and 47,346, respectively, against 2,49,403, 57,198 and 42,734 in the previous year.

The rateable values of properties in the City at the end of the year amounted to Rs. 2,199.09 lacs against Rs. 2,100.54 lacs in the preceding year. The rateable value *per capita* was Rs. 94-8-0 against Rs. 90-5-0 in the previous year.

The total number of vehicles and animals taxed during the year (including those taxed under the Public Conveyances Act, *viz.*, 2,412) was 37,224 as against 35,072 in the previous year. Of this total number, the maximum number in any one group was of 19,569 for motor cars (including 2,452 taxis) and the smallest numbers were 10 for trollies and 17 for ponies.

During the year under report bills numbering 1,11,437 and 1,38,504 were issued, respectively, for Property and Wheel Tax. The amounts collected against gross total demands of Rs. 673.10 lacs and Rs. 52.33 lacs, were Rs. 567.71 lacs and Rs. 38.63 lacs which worked out to 84.34 and 73.82 per cent. of the net demands, respectively. The percentage of the total recovery to the total gross demand worked out to 83.58. The total outstanding at the end of the year was Rs. 119.09 lacs. Outstandings against private rate payers stood at Rs. 54.26 lacs at the end of the year. This figure is exclusive of the amount of Rs. 23.15 lacs involved in complaints against rateable values, which were pending at the end of the year and Rs. 23.52 lacs being taxes for new proposals for revision under Section 167 of the Act issued in the last month of the year due to new constructions, additions, alterations, etc.

The total amount of exemption from General Tax allowed in respect of different properties during the year was Rs. 28.58 lacs as against Rs. 23.44 lacs in the previous year. The increase was mainly due to exemption allowed to Government Hospitals and Central Government properties.

The number of claims received for drawback and refund was 21 and 2,972 respectively, against 18 and 2,462 in the previous year. Of these only 2,377 refund claims were admitted involving an amount of Rs. 3.50 lacs. 2 drawback claims only were admitted in the year under report and the amount of drawback allowed was Rs. 115 only.

During the year 1,977 complaints were received against change of assessment involving an assessment amounting to Rs. 179.94 lacs against 1,914 complaints involving an assessment amounting to Rs. 2,66.91 lacs. 56 appeals for rateable values were received in the year. Of these 22 were settled out of Court, 3 were withdrawn, 1 was dismissed and 30 were pending.

19 suits were filed against ratepayers for recovery of taxes and decrees in 3 cases were obtained.

An amount of Rs. 95,333-1-6 was collected as Riot taxes in the year under report.

**Urban Immoveable Property Tax.**

11. The rate of taxation for the first half of the year 1952-53, *i.e.*, from 1st April to 30th September 1952, continued to be the same as in the previous year, *viz.*, 7 per cent. in the case of buildings and lands, the rateable values of which were above Rs. 2,000 in each case and 3½ per cent. in the case of buildings and lands the rateable vaues of which were Rs. 2,000 and below but not less than Rs. 500. From 1st October 1952, these rates were reduced to 5 per cent. and 2½ per cent., respectively, Properties having rateable value of less than Rs. 500 per annum continued to be exempted. During the year under review, the demand in respect of this tax was Rs. 131.61 lacs, as against this demand, the collection amounted to Rs. 108.81 lacs ; refund Rs. 1.02 lacs and drawback Rs. 40-7-0 only. The collection of the Tax during the year amounted to about 82.67 per cent. of the demand as against 86.40 per cent. in the preceding year.

In the classification of properties according to user, it is found that out of 54,079 properties, with an approximate rateable value of Rs. 2,199.09 lacs, 35,324 properties only are used for residential purposes with an approximate rateable value of Rs. 1,166.17 lacs.

From the classification of properties according to rateable values it is found that as many as 46,632 properties come within the rateable value of Rs. 20,000, leaving only 1,587 properties having rateable value between Rs. 20,001 and Rs. 3,50,000 and above.

**Town Duties.**

12. During the year, rates of Town Duties continued to be the same as those in the previous year. The gross realization from Town Duties amounted to to Rs. 92.95 lacs as against Rs. 96.23 lacs in the pevious year. There was an increase in the net receipts from Grain and Sugar with a corresponding decrease in Timber and Plywood, Tea and Edibles. The refund for the year under review was Rs. 20.19 lacs as against Rs. 24.52 lacs for the previous year. The decrease in refunds is due to the fact that no arrears of old claims were disposed of during the year. Town Duties gave a net revenue of Rs. 72.76 lacs as against Rs. 71.71 lacs in the previous year. The total number of claims for refunds was 34,564 as against 29,379 last year. Though the number of claims for refund during the year was more by 5,185 than in the preceding year, the amount of refund was less by Rs. 4.33 lacs.

The fees for stamping sugar bags, tea-cases, etc., amounted to Rs. 1.01 lacs as against Rs. 0.83 lac in the preceding year.

Town Duties collected at Bhandup and Jogeshwari amounted to Rs. 6.92 lacs as against Rs. 7.19 lacs and Rs. 5.60 lacs in the preceding two years. The Town Duties on dutiable parcels imported by air amounted to Rs. 5,872 during the year under report.

**Election.**

13. After the results of the General Elections were declared in March 1952, 4 appeals were filed in the Small Causes Court by the defeated candidates. Two of these appeals were allowed to be withdrawn after some hearing and two were dismissed by the Chief Judge, Small Causes Court.

The Supplementary Election Roll was published on 20th December 1952, in accordance with the provisions of Section 21-B of the Bombay Municipal Corporation Act and the number of voters enrolled was 96.

**Municipal Properties.**

14. The total number of properties, both Municipal and *ex*-Trust maintained by the Maintenance Branch during the year was 3,156 which showed an increase by 15 from the previous year's 3,141. This increase was due to new buildings having been handed over for maintenance. The work of up-keep and maintenance of these buildings was carried out partly by contract and partly by departmental agency for which the total provision in the Budget for the year amounted to Rs. 22.64 lacs against which the expenditure incurred amounted to Rs. 11.39 lacs. Corresponding figures of the Budget grant and expenditure for the last year were Rs. 24.56 lacs and Rs. 9.74 lacs. In addition, repairs to school buildings under Budget 'E' were also carried out in the year under report. Out of the total expenditure, works to the extent of Rs. 8.22 lacs were carried out departmentally and of Rs. 2.63 lacs through the Pety Works contractors.

New Works and Special Repairs Works were carried out during the year at a total expenditure of Rs. 4.02 lacs. The total Budget grants for carrying out Special Repairs to Municipal properties and *ex*-Trust chawls and properties were Rs. 3.22 lacs and Rs. 9.05 lacs, respectively against which the actual expenditure incurred during the year amounted to Rs. 1.88 lacs and Rs. 1.43 lacs, respectively.

The work on the five years' programme of heavy repairs and the improvement of water supply to the *ex*-Trust Chawls was continued. The work of the improvement of the water supply at Love Lane Chawls, Imamwada Chawls and some Chawls at Chandanwadi was completed and the works at the remaining Chawls at Chandanwadi and at Princess Street were in progress. The work of renewal of electric wiring in *ex*-Trust Buildings was also in progress.

The cost of maintenance of Municipal and *ex*-Trust buildings continued to be on the upward trend. This increase was largely due to the continuously deteriorating condition of the properties consequent upon their old age. The total funds available for the repairs being inadequate, many of the works, had to be deferred.

**Construction.**

Although the position regarding the availability of building materials has considerably eased during the year, the programme of construction of new buildings could not be accelerated due to paucity of Loan funds therefor. The following major works were completed during the year :

(1) Fire Brigade Station at Worli, (2) Additional floor over Ward Pavilion No. 2 at the K. E. M. Hospital, (3) Additional floor over the School Building at DeLisle Road.

The following new works were undertaken during the year and were either in progress or nearing completion at the close of the year :

(1) The work of extension to the X-Ray Theraphy Block at the K. E. M. Hospital was completed, (2) Building work for an electrically operated crematorium at Chandanwadi was in progress, (3) The work of providing an additional floor over the J. R. Municipal School building at Sandhurst Road (East) was completed and (4) The work of constructing a school building at Laxmi Narayan Lane, Matunga, was in progress.

The construction of a building for an electrically operated Crematorium, which is the first of its kind in India, was sponsored by the Lotus Trust which contributed Rs. 1 lac towards its construction. The total cost of the work was estimated at Rs. 5.54 lacs. The balance of cost was therefore provided from Municipal funds. Two electric furnaces, have been installed and the work was nearing completion at the close of the year.

A majority of Municipal schools are located in private buildings which are not suitable for the purpose. The necessity of constructing Municipal owned buildings for housing primary schools has been greatly felt. A programme of constructing school buildings in different parts of the City was framed and the same was being pursued according to the availability of funds and suitable sites. A tentative decision to set apart at least Rs. 10 lacs per year to implement this programme was taken.

There was no relief from the housing shortage in the City during the year. On account of unsatisfactory condition of Loan Funds, the Municipal activities for providing housing accommodation for poorer classes had to be restricted to 140 tenements, 6 godowns and 4 shops, which were completed during the year. The work of constructing another 170 tenements was also taken in hand during the year and was nearing completion at the end of the year. During the year the following new works were carried out :

(1) Squatters' colony at Jogeshwari, (2) Extension of Squatters' Colony at Mankhurd, (3) 48 tenements at Rajwadkar street, Colaba, (4) 3rd Chawl at Palton Road, (5) 64 temporary tenements at Dharavi and (6) temporary tenements at Wadala.

No experimental houses were constructed during the year. It is understood that the Engineering Department has under its serious scrutiny some proposals for cheap model houses. When a decision in this direction is taken it is hoped the work of providing such model houses both for Municipal employees and others will greatly relieve the present strain of housing shortage.

**Private Buildings.**

15. During the year 5,437 applications against 4,391 in the previous year were received for the construction of new buildings or additions and alterations to the existing ones. The number of buildings covered by these applications was 1,689 against 1,990 in the preceding year. The number of new tenements constructed during the year was 2,565 against 2,568 in the preceding year. Of the 2,565 tenements, 303 were one-room tenements, 597 two-room tenements and 1,665 larger tenements. The corresponding figures for the last year were 492, 634, and 1,442, respectively. Of the newly constructed tenements during the year, the highest number was 843 in F Ward in which 68 one-room, 356 two-room and 419 larger tenements were constructed. The total number of buildings constructed by private enterprise during the year was 520 of which 158 were residential and 343 non-residential. 15 buildings were constructed by Co-operative Societies and 4 by employers for their employees.

The number of tenements demolished during the year was 535. Of these 439 were one-room tenements, 16 two-room tenements and 70 were larger tenements. Of the demolished buildings the highest number was 196 in F Ward in which 183 one-room tenements, 12 two-room tenements and 1 larger tenement were demolished.

During the year under report, action for removal of unauthorised works was taken vigorously to check the growing tendency on the part of the law breakers to put up such structures without permission and in contravention of the provisions of the Act. Most of such structures were inadequately lighted and ventilated and were deficient as regards open spaces required under the Building Bye-laws. Sanction of the Standing Committee was obtained in 156 cases for the removal of unauthorised works and such works in 50 cases were removed by the parties and/or departmentally.

Action for the removal of stall-board projections and show cases on public streets was continued through the stall-board removal staff. In all 3,856 notices were issued. Out of these, 2,574 notices were complied with and 1,282 were pending at the close of the year. During the year 879 projections were removed by the parties of their own accord and 1,248 were removed departmentally. 1,207 stall-board projections and 848 weather frame projections were allowed to be retained on payment of fees. The net income derived during the year from temporary projections, such as, stall-boards, etc., amounted to Rs. 2.32 lacs as against Rs. 2.76 lacs in the preceding year while the expenditure incurred on the establishment, etc., for the removal or control of such projections was Rs. 0.90 lac against Rs. 0.83 lac in the preceding year. The Corporation have modified the policy in respect of stall-board projections and show cases in the City so as to enforce control instead of elimination thereof till such time as conditions return to normal and the overcrowding in the City is relieved.

The Corporation had sanctioned enhanced rates of fees from April 1952 charging the stall-board projections on roads without footpaths at double the then existing rates with a proviso to double the fees every year thereafter and the cup-board, etc., projections on cubical measurements. The stall-holders represented through their Association that due to the general trade depression, they were finding it difficult to carry on their business and

as such the enhanced fees should be again revised. Most of the stall-board holders were reluctant to pay the fees at enhanced rates. However, negotiations with the Association were carried on and the final results had not concluded in the year under report.

There was hardly any improvement in the scarcity of housing accommodation for the over-crowded and homeless population of the City in the year under report due to the fact that there was no response from private enterprise for construction of one-room and two-room tenements to cater for the requirements of low income group families as the return from such investment would not be remunerative. Unless, therefore, Government and the Corporation with the help of industrialists move in the matter of providing housing at rents within the reach of lower income groups at an early date, it is doubtful whether any progress can be made in this direction and in the meanwhile the housing condition is likely to deteriorate further.

In the case of dilapidated houses, the owners were reluctant to comply with the Municipal requisitions on the ground of heavy cost on repairs which the owners cannot recoup under the existing provisions of the Rent Act. The Municipality had, therefore, to be satisfied with the issue of notices and launching of prosecutions for non-compliance with the requisitions. In some cases where the owners failed to comply with the requisitions and the tenants showed their willingness to carry out the repairs, they were authorized to do so under Section 499 of the Act. Departmental action was taken in some cases for pulling down dangerous portions or structures meeting the cost from the provision made in the Budget for the purpose pending recoveries from house-owners.

The work of the improvement and widening of narrow streets in congested localities was hampered for want of alternative accommodation for persons affected by acquisition of set-backs. Unless some alternative accommodation is made available for the dishoused persons, no effective action is possible in this behalf.

**Drainage and Sewerage.**

16. *Dadar Purification Works.*—The sewage Purification Works at Dadar functioned satisfactorily throughout the year under report. The total volume of sewage received at the Plant during the year amounted to 4,073.53 million gallons, *i.e.*, an average of 11.16 million gallons per day, against the total quantity of 3,952.6 million gallons received at the Works in the previous year giving a daily average of 10.8 million gallons. The total quantity of sludge gas generated during the year was 38.85 million cu. ft. almost 5.85 million cu. ft. more than the last year's average, while the production was 1,06,400 cu. ft. per day. During the year under report sludge gas supply was extended to five Hotels and Restaurants in the Dadar Bazar area through the newly laid 4" pipe line, and to sixty new tenements of the Dadar Co-operative Housing Society bringing a revenue of about Rs. 1,700 per month. Similarly, the gas supply was extended to 4 kitchens of the Male Students' Hostel of the G. S. M. College as also to the newly opened Cancer Research Laboratory. The income derived from these extensions amounted to Rs. 100 per month. The total revenue realised during the year by sale of gas amounted to Rs. 78,490 as against Rs. 62,690 in the last year. The total expenditure on power, stores, laboratory, establishment, etc., charges for the purification plant, Digestion tanks, Sewerage Pumping Station, etc., amounted to Rs. 2,30,780.

**Love Grove.**

This installation worked satisfactorily throughout the year. The average quantity of sewage pumped during the year amounted to about 57.95 million gallons per day. The total expenditure on the maintenance of the station was Rs. 2,46,138 as against Rs. 1,84,220 incurred during the previous year.

**Dharavi Purification Works.**

The electrical and mechanical machinery for the work of providing a purification plant capable of treating 5 million gallons per day forming part of the scheme of treating 10 million gallons was installed during the year, and the work of installing new pumps at the Mahim Pumping Station, sewage from which will be carried to the Dharavi Purification Works was completed. The plant was ready for operation during the year.

**Remodelling Existing sewerage system.**

The sewerage system of the City depends upon the satisfactory working of the pumping and compressor stations. Sewage from the sewerage system of the City was pumped through 13 pumping stations, 5 of which, *viz.*, Love Grove, Dadar, Matunga, Mahim and Jacob Circle, are major stations and the remaining are secondary ones. The number of major stations is to be increased by two, one at Tulsi Pipe Line Road and the other at Dharavi. The number of secondary stations will be also increased when the schemes of Pumping Stations at Chowpatty, Chinchpokli and at the Globe Mill Passage are ready for operations. All the pumping stations worked satisfactorily during the year.

Upto this time considerable difficulty was experienced in removing the silt accumulating at the bottom of the sumps of the various stations due to tremendous increase in the quatity of silt finding its way in the sewers. This was removed at some stations by agitating the sewage with compressed air and at other stations manually. In the design of the new pumping stations, arrangements are made for getting sumps cleaned mechanically, so that the sump wells can be cleaned even at the time of peak load flows, without the aid of manual labour.

**Transport.**

17. During the year 454 motor vehicles were in commission against 344 in the previous year. The increase in the number of vehicles was mainly due to the implementation of the three year programme for improving the methods of collection and removal of refuse in the City. The expenditure incurred on the maintenance of the motor transport amounted to Rs. 10.58 lacs against Rs. 9.57 lacs in the previous year.

The execution of the scheme for constructing a Central Garage near Worli for housing all the vehicles at a Central place sanctioned by the Corporation was deferred due to financial stringency.

**Repairs and Maintenance of Roads and Foot-paths.**

18. The total mileage of roads in the City limits at the end of the year was 280.891 against 270.717 in the preceding year. Excepting the concreting of Sleater Road from Nana's Chowk to Grant Road Railway Station, no road for permament construction of which the expediture is debited to Loan Works, was taken in hand during the year due to paucity of funds. For the same reason the scheme of Footpaths was also not pursued.

During the year, about 36,132 sq. yds. of area of road surfaces was renewed with 3″ sheet asphalt and ' Recondo ' process at a total cost of Rs. 3.68 lacs. The work of maintenance of the roads was generally satisfactory throughout the year. A total area of 7,37,010 sq. yds. of the different types of the road surfaces was improved during the year. The work of asphalting footpaths was continued during the year and footpaths of 18 roads covering an area of 46,148 sq. yds. were asphalted at a cost of Rs. 1,42,764.

Total number of street lamps in the City at the end of the year was 11,638 as against 11,619 in the previous year. An expenditure of Rs. 19.64 lacs was incurred for lighting and maintenance of street lamps and erecting new lamps.

**Swimming Pool.**

The work of constructing a Swimming Pool at Shivaji Park to commemorate the memory of Mahatma Gandhi was completed during the year and the Pool was formally opened to public on 27th April 1952.

**Removal of Town Refuse.**

19. The major portion of refuse was as usual transported to Deonar in Railway Wagons. The remaining refuse was dumped into low-lying lands in the City, *viz.*, Hornby Vellard, Haines Road Cemetery and near Love Grove Pumping Station.

Three trains consisting of an average of 25 wagons each were used for the transport of refuse to Deonar every day as in the preceding year. Total number of wagons sent to Deonar during the year under report was 26,433 as against 25,421 during the previous year. The total quantity of refuse removed to Deonar was about 4,49,361 tons as against 4,06,736 tons during the previous year. The total expenditure on account of removal and disposal of refuse amounted to Rs. 8.90 lacs against Rs. 8.87 lacs of the preceding year. The total cost of unloading refuse wagons amounted to Rs. 4.06 lacs as against Rs. 3.98 lacs in the previous year. The work of unloading refuse wagons was carried out wholly by contract. The total cost of haulage and unloading per ton amounted to Rs. 2 approximately as against Rs. 2-7-10 per ton in the previous year.

The position of the rolling stock required for work was not satisfactory. The rolling stock including stock lying sick in the Railway Workshop at Mahalaxmi siding and at Deonar is 122 only. As it was found necessary to increase the rolling stock, a provision of Rs. 3,00,000 for the purchase of 30 wagons was made in the Budget but the same was not utilized for want of under-frames of the wagons. It was therefore decided to construct 20 refuse wagons by contract.

**Master Plan for the Greater Bombay Region.**

20. The Master Plan for the Greater Bombay Region is still under the consideration of Government.

The work of filling in the details of the plan was continued during the year under report. ' Zoning Code ' has been prepared and sent to the Municipal Solicitors for their scrutiny and advice from view point of law. As there was some doubt about the interpretation of the provisions of the Section, the Solicitors after obtaining Counsel's opinion, have advised that

the section required to be substantially redrafted so as to make it a useful instrument for enforcing the principles of Zoning. A revised draft Section has accordingly been forwarded to Government and as per Government instructions, opinion of the Counsel General as to the legality of the proposed draft section *vis a vis* the Indian Constitution is being obtained.

A thorough inventory with all details as regards various industries in the Suburbs was made with a view to evolving a workable Zoning Plan, and checking the unplanned and sporadic establishment of industries in the Suburban area. Each case was considered on its merits and wherever it was not possible to retain a particular industry at its original place it was proposed to give sufficient time to shift that industry to some industrial zone. The matter was being investigated further.

The data for the planning of the Municipal Slaughter House to be established at Deonar was collected for preparing a preliminary scheme. It was also proposed to shift the existing tanneries at Dharavi to a site near Deonar, but the progress made in that behalf has been little, as no co-operation was forthcoming from the owners of the tanneries. The question of providing road access to the proposed Oil Refineries in Trombay was under consideration with the P. W. D. and the Railway authorities.

The work of the aerial survey of the Greater Bombay Region was carried out through the agency of the Surveyor General of the Government of India. A part of the work was completed and two sets of contact prints were received, delivery of the remaining prints, etc., was awaited.

The total expenditure booked for preparation of the Master Plan work from the commencement, *viz.*, 1st June 1947 upto 31st March 1953, amounted to Rs. 2.15 lacs.

**Estates and Land Management.**

21. The Department continued to look after the work of acquisition of lands and preparation of layouts, etc. Government sanction to the revised layout for the Haji Ali Park area prepared in the preceding year for alloting a few plots for building purposes and reserving some area for housing the middle and the working classes and for constructing a hostel and staff quarters for the Topiwala National Medical College after allowing a sufficient area for a Public Park was awaited. The proposal to extend Fitwala Road at right angles to Tulsi Pipe Road was dropped. Instead, the area of the proposed extension was reserved for a public garden and for laying out four plots for building purposes to the south of the proposed garden. A proposal was made to extend Chaktyachiwadi and divert Arthur Road to meet the lane exactly at right angles so as to be suitable for traffic and to lay out into 4 plots the Municipal land admeasuring 3,340 sq. yds. at their junction for building purposes. The dividing boundary line of Scheme 59, Sewri Koliwada Estate, and the adjoining Port Trust land being irregular it was considered expedient to have a regular straight boundary line by exchange of lands having equivalent area in each case. The proposal was approved by the Corporation.

Out of the total area of 139.36 lacs sq. yds. (about 2,879 acres) vested in or acquired by the *ex*-Trust, about 37.4 per cent. remained to be developed and out of the developed area 3.5 per cent. remained to be leased, including an area of 1,69,332 sq. yds. reserved for municipal purposes, such as, schools, markets, etc. At the end of the year the area of undeveloped land was the same as in the preceding year, *viz.*, 52.15 lacs of sq. yds. the cost of acquisition of which was Rs. 187.74 lacs.

The area of the land leased permanently increased during the year from 57.43 lacs square yards to 57.58 lacs square yards and the rent in respect thereof consequently increased from Rs. 41.94 lacs to Rs. 42.21 lacs. The area of the developed land which remained to be leased was 2.18 lacs square yards as against 2.23 lacs square yards in the preceding year.

During the year, in all 11 plots covering a total area of 14,923 square yards and valued at Rs. 5.87 lacs were leased.The corresponding figures of the last year were 32 plots covering a total area of 23,092 square yards, having a capital value of Rs. 5.03 lacs. The total number of plots disposed of upto the end of the year of report was 4,213 with an area of 59,53,705 square yards valued at Rs. 12,24.30 lacs.

Of the 11 plots leased during the year, 9 were leased on rental basis and 2 on premium basis. The annual rental to be derived from 9 plots, was estimated at Rs. 21,697. Of the plots leased during the year, the highest number was 6 in Scheme 52, Worli.

During the year under review an amount of Rs. 9.68 lacs was received by way of commutation of ground rent and premium, etc. The corresponding figure for the preceding year was Rs. 10.12 lacs. The area of the land disposed of during the year under report shows decrease over the figure of the last year, while the value realized thereon was rather more than that of the previous year.

At the commencement of the year, the Department had in its charge 571 acquired or surrendered buildings of which 8 buildings in Scheme 57 and 1 in each of the Schemes Nos. 52 and 32 were demolished, while 5 buildings were acquired during the year. There were thus 568 buildings in charge of the Department at the close of the year. These contained 5,008 tenements of which 3,734, 627 and 285 were one-room, two-room and larger tenements, respectively, the remaining being 253 shops, 99 godowns and 10 factories. Rent realized from these buildings totalled Rs. 7.98 lacs.

The monthly rent charged for one-room, two-room and three-room tenements in permament *ex*-Trust Chawls ranged, respectively, from Rs. 4-15-0 to Rs. 10-13-0, from Rs. 18-8-0 to Rs. 25-0-0 and from Rs. 30-13-0 to Rs. 36-1-0 and Rs. 8 for larger rooms with partition. These rents were about 30 per cent. less than the economic rent and were in fact still lower when compared with the existing trend of rents of private premises, while the maintenance cost on account of sanitation and repairs was far higher. The average population in the chawls during the year was 61,217 against 61,130 in the previous year. The death rate in the chawls during the year was 4.5 per 1,000 against 5.1 in the preceding year.

With a view to relieving housing shortage in the City, the Corporation have permitted the construction of an additional floor on buildings on plots in the *ex*-Trust and Shivaji Park Estates. In accordance with this policy, additional floors on 45 buildings were sanctioned during the year on payment of extra premium of Rs. 2.59 lacs. Construction of 32 motor garages on the compulsory open spaces of plots in these Estates was also sanctioned during the year on payment of extra premium amounting to Rs. 0.85 lac.

With the object of maintaining sanitation, etc., at the Municipal Chawls and buildings, the enforcement of Bye-laws framed by the Corporation was continued during the year, as a result of which fines amounting to over Rs. 1,128 were recovered. The amount of fines realised is to be utilized for providing First Aid sets and sick-room requisites, such as thermometers, etc., at the various Chawl Centres.

During the year under Report, 30 properties comprising the land formerly occupied by Milch Cattle stables in the City were notified for acquisition for public Municipal purposes. In two cases awards were declared and in 14 cases awards were awaited. Proceedings in other cases were in progress.

During the year a new chawl at Palton Road was constructed and let out to Municipal staff who were housed in requisitioned buildings. Besides, 64 rooms at Dharavi were newly constructed and let out during the year.

During the year under report an area of 51 acres of land in Manbudruk Village was requisitioned for housing the squatters and about 1,200 families were shifted there. An additional area of 7 acres was requisitioned during the year. In all about 2,800 squatter families were accommodated at Mankhurd Colony. In furtherance of the scheme for the removal of squatters from the City, another Colony at Jogeshwari was opened by taking 37½ acres of land and additional 15¼ acres of land were requisitioned. The accommodation in this colony is for 1,500 families.

**Water supply.**

22. The rainfall this year was normal but as the monsoon was practically over by the beginning of September the period of the dry season was extended by almost a month and consequently quantity of water available in different lakes had to be made to last through a longer period of dry season than usual. The Tansa Lake, the principal source of City's Water Supply, over-flowed twice during the monsoon. Tulsi Lake also continuously overflowed for more than a month. Vehar Lake did not overflow but the lake level registered was higher than in the previous two years. The average daily supply to the City during the year under report was about 119.31 million gallons against 119.98 million gallons in the previous year.

During the year, the quantity of water supplied to the City and the Suburbs was 43,553.00 million gallons against 43,926.00 million gallons in the previous year, of which the quantity supplied to the Thana Municipality was 156.60 million gallons and to bodies outside the limits of Greater Bombay was 309.00 million gallons. Of the total supply, a quantity of 24,584.65 million gallons or 56.45 per cent. was for domestic purposes. The average daily supply (for all purposes) per head on the basis of the population of 28.42 lacs as per the Census Report of 1951 was 41.87 million gallons. Percentage of total supply for domestic purposes was 56.45 and 43.55 for other purposes. Total quantity of water supplied by meter measurement was 12,920.43 million gallons of which 3,145.75 million gallons were consumed by mills, *i.e.*, 7.223 per cent., 2,874.00 million gallons of water or 6.60 per cent. were wasted due to leaks and other unaccountable losses (*i.e.*, through Municipal mains, etc.). There was no major burst on the trunk mains. There were 18 heavy leaks and 1,222 minor leaks on the

trunk mains and 19 leaks on the direct and syphon lines. All leaks were promptly repaired. Water was sterilized with Chloramine treatment and an extra dose of chlorine was injected in the City's Service Reservoirs.

The total calls received from the Fire Brigade Department was 986 as against 1,071 in the last year. They were promptly attended to. The total quantity of water used on fires by the Fire Brigade was about 3.25 million gallons.

75 drinking fountains, 24 cattle troughs, 37 combined fountains and troughs, 73 stand post pipes, 4 dipping wells and 14 Municipal wells (of which water from only 4 was used by the public) were maintained during the year by the department as in the previous year.

With the rise in the population without corresponding increase in the quantity of water available for distribution, the number of complaints about short supply of water increased during the year. There were 16,461 complaints as against 15,711 in the previous year. 4,559 notices were issued on the owners of houses for defects in water fittings in their premises.

As the monsoon season had retarded earlier than usual, the general hours of supply had to be reduced to about 6 hours per day. The demand in the City and the Suburbs had increased considerably and as the quantity available for distribution could not be augmented, there was a gradual fall in pressure throughout the City. The early advent of hot season from the beginning of February resulted in very great increase in complaints.

With a view to checking wastage of water in private premises, periodical house inspections were made and 32,092 houses and 3,49,588 taps were inspected and 46,533 leaky taps were re-washered by the special staff appointed for this work.

7,241 meters of various sizes were maintained and the revenue derived from the supply of water by meter measurement during the year amounted to Rs. 106.67 lacs as against Rs. 94.11 lacs in the last year for the City only.

The total number of water connections in the City was 58,595 as against 57,402 during the preceding year. During the year 1,369 new connections were made, while 176 connections were cut off on account of demolition of old buildings, etc.

The Anti-waste Campaign was intensified during the year. 2,000 Litho posters in Marathi were got printed for being displayed in schools and on other public sites. Posters were also displayed in the Citytrams and buses.1,00,000 stamps were got printed by litho process for affixing to the correspondence with the various parties. The stationery forms used for official correspondence were also printed with the ' How water is wasted ' slogans. All these measures were adopted in the campaign to minimise the wastage so as to conserve water supply for useful purposes.

With a view to stopping undue wastage of water and complaints of shortage of water on upper floors, it was decided to supply meters to hotels and restaurants. Water supply to about 2,600 hotels and restaurants was metered and the total revenue derived on account of sale of water to these concerns was Rs. 3 lacs including meter higher charges. Thus, the Department was able to secure extra revenue out of a measure to check wastage.

The work of maintenance of gardens along the slopes of Gibbs and Ridge Roads (known as Hanging Gardens), Sir Pherozeshah Mehta Gardens on the top of the Malabar Hill Reservoir, Joseph Baptista Gardens, on the top of the Bhandarwada Hill Reservoir and Ladies and Children's Gardens at Ridge Road, was in the control of this department.

During the year the plot of land known as the Bishop's Lodge on Malabar Hill was converted into a well laid out park and was named as ' Kamla Nehru Park. '

**Vaterna-cum-Tansa Scheme.**

23. *Progress.*—During the year under report the work of opening the foundation was continued. The work of major excavation was completed in the first week of December 1952. The Dam has been founded for a minimum depth of 5' into solid rock with a 2 per cent. grade rising upstream to downstream. In order to consolidate the foundation rock and fill-up all fissures, cavities, etc., 9,300 R.ft. of holes were drilled and grouted with cement at 40 lbs. per sq. inch. 38 thermometers and 4 strainmeters were installed to study temperatutre gradients. Successful experiments were made to reduce cement contents in various classes of concrete and the compressive strengths were found to be higher than those required. The laying of concrete for the construction of the Dam was started in May and 46.24 lacs cubic feet of concrete cooled down to 60° F laid during the year. The maximum quantity of concrete placed in a day was about 53,500 cubic feet or about 9,07,800 cubic feet in a month. The total work done up to the end of the year measured about 47.42 lacs cubic feet.

The Municipal owned Power House was in operation. The set shifted from Tansa was also erected and put in commission. Most of the electric energy was supplied to the contractors for the construction work, the remaining being used by Municipal employees and petty establishments in the Camp.

Excavation of the remaining length of 700 feet of the tunnel was carried out and the concrete line of the whole tunnel was completed. The work of laying 126" pipe line between Tunnel Faces Nos. 2-3 and 4-5 was commenced by the contractors and an aggregate length of 99 feet was completed.The works from Tansa to Powai and Powai to Mahim were completed. About 5¼ miles of pipe shells were fabricated and about 1¼ miles were laid in position out of the total length of 20 miles. The supply of steel plates was satisfactory.

*Land Acquisition.*—Awards of compensation were declared in respect of about 1,595 acres out of 3,991 acres of land acquired for the purpose of the scheme. Moreover, 193 acres out of 214 acres acquired temporarily for camps, quarry sites, etc., have been restored to the land owners. The jungle in the water spread of the lake was cleared in the year under report.

Various amenities provided at the Vaitarna Camp functioned satisfactorily. A direct telephone line was laid at a cost of Rs. 60,000, a part of the cost being borne by the two contractors.

The work of strengthening the Tansa Dam by the 'Coyne' method was started in the month of December 1952 and some work was done in the year. Shri Andre Coyne has expressed satisfaction after inspecting the work.

*Total Expenditure.*—The total expenditure booked up to the end of 31st March 1953 for the various items of the scheme was Rs. 675.68 lacs.

**Fire Brigade.**

24. The total number of Fire Stations during the year was 11. A new Fire Station was opened at Worli in October 1952. As the newly merged suburban areas had no arrangements for protecting life and property from fire, all calls for fire in those areas were attended to by the Fire Brigade by sending fire engines from the nearest fire stations situated within the city limits. This difficulty will be removed after the work of constructing the Fire Station at Andheri is completed.

During the year, the Fire Brigade received 1,154 calls against 1,729 and 1,366 calls during the preceding two years. Out of these calls, 608 calls were for actual fires as against 634 calls during the preceding year. During the year there wre 316 false calls of which as many as 105 were due to malicious interference with fire alarms as against 362 and 140 calls, respectively, in the preceding year. 83 calls were for special services in respect of fallen buildings, etc,, as against 101 in the preceding year. Total distance travelled by fire appliances to and from calls to seat of fire was 11,470 miles as against 10,714 miles in the preceding year.

The City was served by 204 fire alarm posts (including private ones) and these were connected to 9 Fire Stations. About 57 per cent. of the total calls received for fires, etc., were transmitted through this system.

The estimated loss to property damaged or destroyed on account of fire was about Rs. 53.17 lacs as against Rs. 59.32 lacs and Rs. 31.15 lacs during the previous two years. Although there was a slight decrease in the fire loss, during the year under report, it was comparatively high in comparison with the losses in the year 1950-51. This was mainly due to a serious fire in Jam Mills, Tokersey Jivraj Road, which alone caused a damage to the extent of Rs. 25 lacs and to other fires in cinematograph film vaults. Of this loss, Rs. 20.40 lacs represented insured properties. The total value of the property involved was Rs. 36,48.26 lacs against Rs. 20,05.43 lacs in the preceding year. There were 10 major fires in which estimated loss involved in each case exceeded Rs. 75,000.

Casualties by fire, during the year under report, included 9 persons who were burnt to death, 19 persons who were severely injured and died subsequently in hospitals and 61 persons who received minor injuries or burns recovered ultimately. Corresponding figures of the last two years were 6, 15 and 73 and 8, 12 and 43, respectively.

The approximate quantity of water used in extinguishing fires was 32.47 lacs gallons of which 27.53 lacs gallons were drawn from Municipal mains as against 32.54 lacs gallons and 25.75 lacs gallons, respectively, for the preceding year and the rest from the sea, tanks and wells.

The issue of licences for storage of cinematograph films with nitrate base continued to be controlled by the Government of India but all cases of such storages, however, continued

to be referred to this department to ascertain the suitability or otherwise of premises for the proposed storages. This department had also to inspect storages of dangerous petroleum before licences were issued by the Explosive Department. 108 such storages were inspected before licences were issued by the department during the year.

During the year under report three candidates deputed by semi-Government institutions were entertained for training in fire-fighting, one of whom was deputed for a full term course of three months.

**Ambulance Service.**

The total number of calls within the limits of Greater Bombay received during the year was 1,360 for accidents, 2,053 for maternity cases and 3,311 for hire cases, removing in all 6,640 persons as against the corresponding figures of 1,442, 1,824, 3,268 and 6,394 in the preceding year.

The total mileage covered by ambulance vehicles during the year was 46,790 as against 47,271 in the previous year. The total receipts on account of hire cases amounted to Rs. 18,778 including the arrears of the previous year as against Rs. 18,296 and Rs. 17,221 in the preceding two years.

**Public Gardens.**

25. During the year under report the Department maintained 90 sites for public recreation, etc., consisting of 19 Gardens, 4 Fountains, 3 Band-stands, 7 Traffic Islands, 4 Open Spaces, 49 Recreation Grounds, 1 Statue and 3 Ornamental Box Hedges. During the year one playground situated opposite the Y.M.C.A. Proctor Branch, Byculla, and a Box Hedge at Mahim Causeway were placed under the charge of the department. A large number of music programmes for the entertainment of the public was arranged during the year as in the past. There were 27 Band Programmes, 30 Indian Vocal Music programmes, 22 Orchestra programmes and 234 Radiogram music programmes at different places. Directed games, as in the previous years, continued to be popular at the different centres in the City. The play centre at 2nd Peerkhan Street, which was resumed last year under the supervision of the Nagpada Neighbourhood House, proved to be very popular.

*Victoria Gardens.*—During the year the number of visitors to the Gardens increased to 55,12,299 as against 32,83,277 in the previous year. The appreciable increase in the visitors is due to the additions of several new varieties of birds and animals, daily Radio music programmes, etc., and the addition of a Rhinoceros to the Zoo. This shows an average of 15,102 visitors per day during the year under report. In addition to the Rhinoceros, the Hullock Gibbon presented by Shri Peter Rhiner proved to be a great attraction to visitors. One King Hornbill was also purchased during the year under report.

During the year, the animal stock in the Zoo increased by about 26 per cent. which included new births, purchases or exchanges made and presents received.

1,347 Road-side trees were planted and maintained on the roads and in the Gardens during the year.

Some important discoveries of parasitic infestation of the pythons and the Rhino were made and these are still under investigation. These discoveries have created great intrerest among international workers. Various schemes for the improvement of the present Zoo and also for starting a bigger Zoo garden in the Suburbs are still under consideration.

Maintenance of the laboratory animals in the Victoria Gardens for medical research purposes proved highly satisfactory. Being encouraged by the results, the Dean, G. S. M. College intends to expand the Section so as to meet the increased demand for these animals for research work undertaken by the various departments of Municipal Medical Colleges.

The expenditure on the Garden Department amounted during the year to Rs. 4.79 lacs as against Rs. 6.02 lacs during the last year, while the income by sale of flowers and plants etc., was Rs. 25,356-12-9 as against Rs. 19,683-2-3 during the last year.

**Victoria and Albert Museum.**

26. The Museum was kept open to the public for 305 days as against 299 and 301 days in the preceding two years.

The total number and the daily average of visitors during the year was 10.51 lacs and 3,444, respectively, against 9.01 lacs and 3,014 of the prceeding year. During the year 15,520 pupils from Primary and Secondary Schools in the City visited the Museum as against 11,565 during the preceding year. The practice of keeping the Museum open on Wednesdays, for ladies, children and parties of students only, was continued during the year.

Reference service to scholars, Museums and business men on an average of 35 per month was rendered by the Curator with the help of the specimens and the books in the Museum. Useful information was supplied to some Indian Shipping Companies for the Railway Centenary Exhibition held at New Delhi.

The amounts realized by the levy of an admission fee of half anna per visitor above 12 years of age on Fridays, Sundays and public holidays (except Wednesdays) and by sale of the Victoria and Albert Museum Brochure were Rs. 9,233-5-6 and Rs. 406-4-0, respectively, which were credited to the Special Fund called Victoria and Albert Museum Fund.

**Municipal Free Reading Rooms and Libraries.**

27. During the year under report, 14 Libraries and Reading Rooms were maintained. In all 521 books on various subjects and in different languages were purchased at an aggregate cost of Rs. 1,572-4-0 during the year with the approval of the Books Selection Committee as against 721 books at a cost of Rs. 2,048-11-0 during the previous year. More books could not be purchased for want of accommodation and also because only a few good books were available. The total number of visitors to the Reading Rooms and Libraries during the year was 2.49 lacs as against 2.56 lacs during the preceding year.

The cost of running the libraries during the year amounted to about Rs. 48,003 and the income was about Rs. 1,890 as against Rs. 42,077 and Rs. 1,425 during the preceding year.

**Central Stores.**

28. Tenders were invited for the purchase of stores during the year in 169 cases as against 157 and 145 cases in the previous two years. The number of contracts entered into for the various scheduled articles was 141 against 143 and 135 in the preceding two years. Besides these contracts, materials, which could only be acquired under licences granted by Government, were secured at controlled rates from authorized stockists. The value of stores and other materials purchased by the department during the year amounted to Rs. 68.30 lacs against Rs. 59.15 lacs and Rs. 57.21 lacs during the previous two years. The increase was mainly due to the purchase of G. I. pipes, iron material, cement, etc., from the Contractors and the Government, during the period under report. Of the total purchases made, stock of the value of Rs. 63.28 lacs was of Indian manufacture and the balance of Rs. 5.02 lacs represented the value of foreign goods.

Against these purchases and stock, on hand, the consuming departments submitted 44,418 indents and sales mema, as against 46,061 in the preceding year. 5,279 orders for the purchase of stores were placed with the Contractors and other dealers against 5,311 and 5,440 in the preceding two years. The total turnover of the deparment, *viz.*, receipts and issue of stores during the year was Rs. 125 lacs against Rs. 114.35 lacs and Rs. 114.71 lacs in the preceding two years. At the close of the year, the department had on hand stores of the value of Rs. 38.49 lacs against Rs. 26.88 lacs in the preceding year.

Mixed scrap received from different departments was sold by public auction and cast iron scrap was retained, being under control and had to be reserved for the new foundry at the Municipal Workshop. Brass and other non-ferrous scraps were also reserved for the Municipal Foundry. Other unserviceable articles including mixed scrap were disposed of by the department by public auction and the total amount realized therefrom came to Rs. 0.34 lac as against Rs. 0.49 lac and Rs. 0.27 lac in the last two years.

Apart from the scarcity of materials, and the cancellation of schedules due to high rates, the various control orders aggravated the difficulties of the deparment and increased its work enormously.

This department is under reorganization by Messrs. Ibcons, Ltd. According to their recommendations the potential reduction in the staff comes to 32 per cent. of which a reduction of about 7 per cent. has already been given effect to.

**Licences.**

29. Licences and permits issued and transferred during the year numbered 36,649 against 34,946 in the previous year showing an increase of 1,703 over the figure of the last year. Fees realized therefrom amounted to Rs. 10.25 lacs during the year under report as against Rs. 9.75 lacs in the preceding year. At the end of the year, an amount of Rs. 1,20,310 was outstanding in respect of 1,959 notices of demand against an outstanding of Rs. 9,177 for 274 notices for the previous year. The loss of revenue incidental to disuse or demolition of old licensed places amounted to Rs. 0.52 lac as against Rs. 0.38 lac in the preceding year.

The total number of permits issued for exhibiting sky-signs and advertisements was 2,908 which realized Rs. 2.91 lacs as revenue while the corresponding figures for the last year were 3,358 and Rs. 4.13 lacs.

The number of squatters and hawkers licences issued during the year was 35,985 and the earnings from fees amounted to Rs. 3.89 lacs. Corresponding figures for the preceding year were 43,761 and Rs. 3.47 lacs, respectively.

During the year the Licence Department instituted 2,535 prosecutions for offences under Sections 328, 328-A, 394 and 412-A of the Bombay Municipal Corporation Act as against 2,802 during the last year. The total amount of fines inflicted was Rs. 27.914 as against Rs. 83,728 in the previous year.

The total revenue of the Department during the year was Rs. 18.89 lacs against Rs. 18.92 lacs in the previous year.

On going through the report it is observed that the amount outstanding as licence fees on 31st March 1953 was more than a lac of rupees and the loss of revenue incidental to the disuse or demolition of old licensed places, etc., was Rs. 52,028. It is expected that necessary steps will be taken early to recover the outstandings.

**Adminstration of Shops and Establishments Act of 1948.**

30. The Shops and Establishments Section under the control of the Chief Inspector, Shops and Establishments continued to work as an independent unit as before during the year.

During the year 2,385 complaints were received in addition to 104 pending from the preceding year, out of which 2,379 were investigated, leaving 110 pending at the close of the year. 270 mass raids against 185 in the preceding year were carried out up to the end of the year. The number of visits and revisits paid to different types of establishments was 67,894 of which 50,285 were to shops, 9,590 to commercial establishments, 7,538 to restaurants, 324 to residential hotels and 157 to theatres, etc.

At the beginning of the year there were 502 prosecutions pending. During the year, 2,888 new prosecutions were instituted, making up a total of 3,390. In all 2,369 cases were disposed of, out of which 2,282 resulted in convictions, 7 were withdrawn and 80 resulted in acquittals. The number of cases pending at the end of the year was 1,021. The total amount of fines realised was Rs. 85,414-8-0 giving an approximate average of Rs. 37-7-0 per case.

The total expenditure incurred in administering the Act in 1951-52 was Rs. 2,78,374, against which the Government grant-in-aid was Rs. 79,862. Government had been approached to give an increased grant-in-aid to the Department in view of the strained finances of the Corporation. They have, however, intimated that in view of the amendments to Sections 60 and 61 of the Act, the Municipality will be able to launch more prosecutions, thereby becoming eligible for larger grants-in-aid. It is doubtful whether prosecutions will increase for the reasons advanced by Government. The total income from the Registration fees and fines realised during the year under report was Rs. 15,564 and Rs. 85,414-8-0, respectively.

**Theatre Tax.**

The Theatre Tax section continued to function under the control and supervision of the Chief Inspector, Shops and Establishments for purposes of recovery of the Theatre Tax.

The rates sanctioned by the Corporation for the levy of Theatre Tax for the year 1952-53 were the same as for the previous year. A rebate of 12½ per cent. and 20 per cent. for Class I and Class II Cinema Theatres, respectively, was allowed on certain conditions, as before. Similarly, the tax was recovered in respect of Dramas, Dances, Variety entertainment programmes, etc., held at different Halls, Theatres, etc., where admissions were on payments. The total income derived during the year was Rs. 6.89 lacs against Rs. 4.66 lacs in the previous year.

**Markets.**

31. The total receipts of the department during the year amounted to Rs. 36.16 lacs against Rs. 34.12 lacs in the previous year, which showed an increase of Rs. 2.04 lacs. This was mainly due to increase in receipts in slaughter and removal fees, squatter fees, Arthur Crawford Scale-shed fees, etc.

The number of Municipal Markets during the year was 21 including three squatters' areas at Sandhurst Road, Nowroji Hill Road and Parel Village. The net receipts from the above amounted to Rs. 17.98 lacs as against Rs. 16.95 lacs in the preceding year, thus showing an increase of Rs. 1.02 lacs. The average percentage of vacant stalls per quarter was 7.07 against 6.45 in the preceding year. The total receipts from stallage charges, squatter fees, licence fees, etc., in respect of all the Municipal Markets amounted to Rs. 25.23 lacs as against Rs. 23.24 lacs in the preceding year. During the year under report works of repairs, improvements, extensions, etc., to the several Municipal Markets were carried out. The work of collecting fees at the Arthur Crawford Market Scale-shed was carried out departmentally and the revenue collected therefrom amounted to Rs. 4.66 lacs as against Rs. 3.25 lacs realized in the preceding year by sale of the right.

The number of private markets during the year was 21 including the newly opened full-fledged private market at Grant Road and one Private Slaughter House and the licence fees realised therefrom was Rs. 72,860-6-0 as against Rs. 77,605-11-0, in the preceding year.

The number of outside meat shops was 185 as against 186 in the previous year. An amount of Rs. 11,984 was realized by way of fees. The previous year's fiugures were 186 and Rs. 12,006, respectively.

During the year unwholesome articles of food, such as, meat, fish, fruits, vegetables, etc., including contraband meat seized and destroyed was 6,81,088 lbs. as against 6,36,451 lbs. in the previous year.

The total number of animals brought to the fair ground at the Bandra Slaughter Houses during the year was 14,31,403 as against 14,65,911 in the previous year. Of these animals, 9,605 against 8,027 in the last year were rejected as unfit on *anti-mortem* examination.

The approximate weight of dressed meat of buffaloes, cows and bullocks was 8,064½ tons as against 7,275 tons in the previous year, while that of sheep and goats was 8,947½ tons as against 8,800 tons in the last year. Of these 20½ tons and 14 tons, respectively, against 20 tons and 11 tons in the previous year were condemned, giving percentage of 0.25 and 0.15, respectively, against 0.21 and 0.127 of the previous year.

The total amount of slaughter and removal fees realized was Rs. 5.96 lacs as against Rs. 6.02 lacs and Rs. 5.81 lacs during the previous two years.

The total number of animals slaughtered during the year was 13.27 lacs against 13.47 lacs and 13.14 lacs in the previous two years.

**Public Health.**

32. During the year under report the work of reorganisation of this Department was completed and a potential reduction of 65 persons from the reference period staff of 1,467 persons was indicated. Eight new free Family Planning Clinics were added during the year bringing the total number of such clinics in the City to 15.

*Births and birth Rate.*—The number of live-births recorded during the year was 66,125 which was more by 446 than the number for the previous year (65,679) and 1,233 above the average of the decennium (1942-1951). Of these registered births, 34,255 were males and 31,870 females, giving a proportion of 107 males to 100 females. The birth rate was 28.2 per 1,000 of the population as against 28.2 in the preceding year. The number of still-births was 3,151 or 4.7 of live-births.

*Deaths and death Rate.*—The total number of deaths registered from all causes during the year was 34,337 as against 33,841 in the previous year. It was less by 2,278 than the average annual mortality of the last ten years and by 2,352 than the mean mortality of the preceding five years. According to the Census population, the death rate per 1,000 living persons worked out to 14.8 against 14.5 in the last year. Of the total 34,337 deaths, 19,185 were among males and 15,152 among females. The death rate among females was, however, actually higher than among males, the male death rate being 13.0 and the female death rate 17.8 as against 12.5 and 18, respectively, in the preceding year. As in the previous years the diseases of the Respiratory system were responsible for the highest death rate of 3.5 per 1,000 of the population. A large proportion of deaths from respiratory diseases occurred among children and infants under 5 years of age. Congenital debility and diseases of early infancy constituted the nest most fatal group giving a rate of 2.2. The causes coming next on the list for the year were Tuberculosis (1.1) and old age (1.3).

Mortality amongst infants (under 1 year of age) was 9,335 as against 9,746 in the preceding year and the rate per 1,000 live-births was 141.2 which was the lowest ever recorded for this City, as against 148.1 in the previous year. Diseases of the respiratory system, infantile debility and premature births caused 7,392 or nearly 79.2 per cent. of the total deaths amongst infants, as against 7,768 deaths or 79.7 per cent. in the previous year.

*Maternity and Child Welfare.*—During the year under report, the Maternal and the Child Welfare Services were continued in all their aspects at the Municipal Maternity Homes with the help of the Health Visitors attached to 5 main clinics and 10 subsidiary ones. Relief to the poor and needy women during confinements was rendered. The number of cases admitted in these Homes was 10,697 against 10,189 in the preceding year, while the number of confinements was 9,188 as against 8,895 in the previous year. Of the confined cases 1,709 were *prima parae*, against 1,823 in the last year.

Ten subsidiary Maternity and Children Welfare Clinics in addition to the main clinics at the 5 Municipal Maternity Homes were conducted by the Municipal Medical Officers of those Homes. The Maternity Unit at Dharavi was conducted as before by two trained Health Visitors under the Supervision of one of the Medical Officers.

Ante and Post Natal Clinics started by the Corporation in 1939 were conducted by the Medical Officers in charge of the Maternity Homes, assisted by Health Visitors, who during the year paid 58,072 visits in various districts against 72,647 in the previous year. They also attended 50 cases of confinements at homes while the Medical Officers personally visited 3,430 cases.

With a view to saving maternal and infant mortality, advice and instructions in spacing births were given free by qualified lady Doctors to married women strictly on medical grounds at the 15 Family Planning Clinics. The total number of attendance at the Clinics was 4,306 as against 2,074 in the preceding year and in all 1939 women as against 783 women in the preceding year were supplied with appliances free.

The Maternal mortality rate recorded during the year was 1.3 as in the previous year.

*Infectious Diseases.*—The total number of cases of infectious diseases reported during the year was 4,925 as against 5,024 in the previous year. Of these 4,774 (96.9) were from the District Registrars and 151 (3.1) from Medical Practitioners. 2 Cases of Plague were reported which proved fatal. Cholera caused 14 attacks (including 12 imported) and 6 deaths. Small-pox caused 378 attacks (including 53 imported) and 120 deaths and Enteric fever caused 1,567 attacks (including 102 imported) and 428 deaths. Diphtheria caused 698 attacks and 101 deaths. Acute Anterior Poliomyelitis caused 116 attacks (22 imported) and 19 deaths.

During the year 32,338 persons were inoculated against Plague, 14,167 against Cholera and 3,30,859 against Enteric Fever. Primary Vaccination and revaccination against small-pox done during the year were 71,885 and 4,26,351, respectively, as against 74,434 and 6,49,353, respectively, in the preceding year.

*General Sanitation.*—the principal causes contributing towards the insanitary conditions in some parts of the City were insufficiency of sewers and continuance of the basket privy system, high density of population per acre. There are some practical difficulties in the way of rendering adequate conservancy service both as regards removal and disposal of refuse and also of shortage of water supply. Sooner the conversion of the basket privies is made into water-closets the better it will be for the health of the citizens. The work of providing sewerage in the North of the Island has not yet been completed. The routine inspection of dwellings with sanitary defects was made by the Medical Assistants and Inspectors under the general supervision of the Assistant Health Officers. During the year under report 2,923 insanitary huts were demolished.

*Rat Destruction.*—During the year rat killing operations were intensified. Different methods like trapping by 'Wonder' traps, flooding rat-holes with water and killing them when they come out, etc., were employed. Live rats were sent to the Haffkine Institute for examination. With a view to intensifying rat destruction work and to educate the public, anti-rat campaigns were organised in B, F and G Wards, where special "Anti-Rat exhibitions" were put up. There were displays of posters, distribution of leaflets, processions of gangs carrying rat destruction placards and special anti-rat film shows. It is reported that the total number of rats caught and destroyed during the year was 11,25,200 and rats examined were 5,802. Three rats were found infected with Plague during the year.

*Control of Stray Dogs.*—Improved and humane methods were introduced in catching and destroying stray and ownerless dogs. The work of destroying stray dogs and licensing of dogs was carried out as in the previous year. 11,114 stray dogs were caught as against 8,072 in the previous year. Out of those stray and ownerless dogs caught 8,532 were destroyed, 730 were returned to the owners, 81 sent to Hospitals for experimental purposes, 160 escaped and 23 detained at the Kennel at the Mahalaxmi Refuse siding. 10,380 dogbite cases were reported during the year as against 8,146 in the preceding year. 7,893 dogs were licensed under the Dog Licensing Act, as against 7,978 in the preceding year. The total income by way of dog licensing fees, etc., was Rs. 44,655-4-0. No reason has been given in the report for a reduction in the number of dogs licensed during the year.

*Health Education and Propaganda.*—Health Education was carried out among children by Medical Officers and School Health Nurses which aimed at inculcating healthy habits among children. Routine health talks on simple personal hygiene were often given to the children in schools. Regular health education procedure was formulated and teachers were

trained in Health Education, while the children were instructed by the school Health Nurses so that after some time the teachers themselves could manage Health Education work efficiently in their schools. During the year, 366 talks were given by Medical Officers and 996 by School Health Nurses.

Ailing children were visited and revisited at their homes by the School Health Nurses as per directions of the Medical Officers, when they imparted some instructions to the parents of the children as regards their care and diet. In this way the possibility of recurrence of the diseases was minimised.

*Conservancy.*—Roads, footpaths, and house gutters were swept daily. Some of the main roads were attended to more frequently as was found necessary. The house gullies were flushed and the main roads were washed periodically. Refuse gathered by sweeping roads, foot-paths and house gullies was collected in cane baskets or hand carts and either carried to the nearest dust-bin shed or removed in travelling carts or lorries to the place of disposal at least twice daily.

Domestic refuse was collected in galvanised iron receptacles with proper covers provided by the owners. The owners were called upon to arrange for removal of refuse from their premises through their private servants either to the Municipal travelling carts, lorries or to the nearest dust-bin sheds. The system of house to house collection of refuse was continued in A, D, F and G Wards.

*Insecticidal Service.*—Due to vigorous steps taken to control fly-nuisance by regular spraying and dusting of the actual and potential fly-breeding places, the nuisance from flies was reduced to a great extent. The use of 'Tifa' Unit was continued during the year and the insecticide fogging operations were carried out in about 2,257 lanes and by-lanes in the City. Insecticides worth Rs. 74,799-11-0 were purchased during the year as against Rs. 67,858-9-9 during the last year.

*Malaria.*—Malaria was registered as the cause of 41 deaths as against 59 in the preceding year. 18 deaths were ascribed to Ague and Remittent fevers. The number of cases treated at the Municipal dispensaries was 276 as against 474 in the previous year. Out of 2,143 wells in the City, 5 were filled in and 3 were covered completely. Campaign against stegomyia mosquitoes, the vector of Yellow Fever, was continued throughout the year, on account of heavy rains. The stegomyia index was continuously kept far below the fixed safety standard of 2 per cent.

**Dispensaries.**

33. The 22 Municipal Free Dispensaries (excluding those at Worli and at Chembur) were open throughout the year to render, as before, free medical relief to the sick poor in the City. The number of new cases treated at these dispensaries was 2,88,047 (1,66,872 males and 1,21,175 females) as against 2,55,835 in the previous year. In addition to the above dispensary work, Women's and Children's Clinics were conducted by three part-time lady doctors at 6 Municipal Dispensaries in the City, thrice a week. The number of new cases treated at these dispensaries was 31,473 (24,832 women and 6,641 children) as against 28,109 in the previous year.

The Municipal Eye Dispensary and Hospital at Kamathipura were kept under two Honorary Medical Surgeons by turn. The Hospital has an accommodation of 6 beds each for males and females with an operation theatre. The total attendance of patients was 84,430 as against 83,350 in the preceding year. The total number of new cases treated was 11,704 as against 10,703 in the previous year. The number of indoor patients treated was 210. The Hospital had a full time Resident Nurse.

*Leprosy.*—The control of Leprosy in the City was exercised as before through the Acworth Leprosy Home, Matunga. In the absence of a Municipal institution for the isolation and treatment of cases suffering from this disease, this Home has been doing invaluable work for over 50 years. In addition to this, the institution conducts a well equipped out-patients clinic. Almost the whole cost of the maintenance of the clinic is borne by the Corporation. The Corporation pays an annuity of Rs. 10,000 for giving sulphone treatment to the patients.

The average daily attendance of patients was 214 and the total number of new cases treated at the clinic was 1812. The Home has an accommodation of 396 beds (284 for males and 112 for females) for the isolation of leprosy patients.

**Tuberculosis.**

34. There were three T. B. Clinics for outdoor patients and a group of T. B. Hospitals at Sewri where cases in primary and advanced stages received institutional treatment. The total number of beds at these Hospitals was 299. The staff at each clinic was qualified. Besides the indoor staff, Health Visitors paid domiciliary visits. Well equipped X—Ray installations were provided at the Princess Street and the

Foras Road Clinics. Patients from Municipal T. B. Clinic at Lalbaug were referred to either of these clinics for radiography and screening. After a careful diagnosis at the clinics, patients were directed to the group of Tuberculosis Hospitals at Sewri for hospitalization. The sputum examination of specimens sent by the medical practitioners was undertaken free of charge at the Municipal Laboratory. These hospitals and its various departments were almost completely equipped with the most modern and up-to-date apparata and equipments. There were 3 X—Ray plants in this department, *viz.*, one portable machine for taking X—Ray of freshly operated cases, as well as acute cases, one screening machine for routine screening of in-patients and out-patients coming for A. P. and P. P. Refills and a third high powered machine for Radiography with facilities for Tomography.

The follow up of discharged patients and giving them A. P. and P. P. Refills were continued as before. The total number of such A. P. and P. P. refills given were 4,073 and 24,047, respectively. Patients had attended the hospitals for follow up continuously for over 3 years in some cases. There were 859 new admissions to the out-door A. P. and P. P. Refill Department during the year. 1956 patients suffering from Pulmonary Tuberculosis in various stages of the disease were treated at the Group of Hospitals for Tuberculosis. Total Skiagrams taken during the year was 3,066 and the total number of screening done was 25,340.

**Venereal Diseases.**

35. For combating Venereal Diseases, free medical facilities both preventive and curative were continued as in the preceding year at the Clinic at Bellasis Road. During the year 17,838 cases were treated at the Clinics as against 16,072 in the previous year. Of these 15,160 were males and 2,678 females. For prophylaxis 16,457 attended the Clinic as against 15,567 in the previous year. The average daily attendance at the Clinic was 671.3 as against 683.7 in the previous year.

Propaganda through posters, leaflets, lectures, etc., emphasizing the importance of avoiding exposure to infection, similarly, the free service available at the Prophylactic treatment centres in different parts of the city was vigorously published by the Propaganda Section. One room was specially reserved for exhibiting educative pictures which were specially prepared through the Publicity Section.

Under the advice and guidance of the World Health Organization expectant mothers attending the Municipal Ante-Natal Clinics were subjected to the Kahn or Meinick's blood tests for syphilis and out of 613 blood specimens examined, 94 gave positive results, and out of these 94 cases, 63 attended the clinic for treatment during the year.

Men, women and children were treated by modern methods. The examination and treatment of the patients at the clinics were carried out very secretly. Results of treatment were assessed from time to time by the latest laboratory methods.

Medical persons who attended the clinic were given training in diagnosis and treatment of venereal diseases.

**Health Propaganda.**

36. The Health Propaganda drive was intensified both in the City and the Suburbs under the Expansion Scheme. During the year Health Exhibition activity was continued vigorously and 16 Health Exhibitions and Talks, and 263 Health Education film shows on various health subjects were arranged in the City. Special features of the year were (1) expansion and reconstruction of the Public Health Museum at the Bombay Sanitary Institute Hall at Princess Street and (2) Ward-wise anti-rat campaign and intensification of rat destruction work by the Conservancy Branch. Besides these activities, the section arranged 15 lectures, 142 sanitation campaigns, 3 special anti-rat exhibitions, meetings and talks on environmental sanitation and preventive aspects of some communicable diseases. The unique feature was the arrangement of mass vaccination, mass T. A. B .Innoculation and anti-plague campaign with the help of the propaganda vans in different localities in the City and the Suburbs. Besides, the section aided several welfare organisations in organising Health weeks, co-operated with the Government in the celebration of the world Health Day, arranged group visits to the Public Health Museum and prepared a special propaganda room at the Municipal Anti-Venereal Diseases Clinic.

**School Health Work.**

37. In all 39,383 children (24,680 boys and 14,703 girls) attending Municipal Schools and Classes were medically examined of which 31,495 were found suffering from one or more physical ailments and reports about their ailments were sent to their parents or guardians. The number of new children treated at the School Clinic at the K. E. M. Hospital was 778 along with 5,789 old cases, while those treated at the schools for minor skin diseases, such as, scabies, ring-worm, etc., numbered 706. Out of 113 children suspected to have been infected with Leprosy, 12 were found positive and, therefore, were prevented from attending any of the Municipal Schools and 3 were kept under observation. Over 32,640 under-nourished children were given each 6 ounces of pasteurised toned milk daily except on Sundays, holidays and half holidays at 301 centres.

For the first time in the history of the school clinic 'Blalock and Tanssiq' operation for Fallots Tetrology on the heart of a Municipal school girl aged 7 years was successfully carried out at the K. E. M. Hospital. She is quite hale and hearty now.

**City Fever Hospitals.**

38. The Hospitals have a total accommodation for 314 beds, of which 172 are in the small-pox unit, 128 in the general unit, while 14 constructed mosquito proof are reserved for Yellow Fever cases. Except Tuberculosis and Leprosy, patients suffering from other infectious diseases are admitted to the Hospitals. The total number of patients admitted during the year was 6,883 as against 6,726 in the preceding year, the daily average admission being 229 as against 218 in the preceding year. Of the total number of patients, 1,554, 394 and 756, respectively, suffered from Enteric fever, Small-pox and Diphtheria. The cost per patient per day was Rs. 9-7-2.

Looking to the present population of the City, the present bed accommodation and other facilities at these Hospitals fell far too short of the demand. Sooner the number of beds is increased the better it will be in the interest of the public. The Commissioner is requested to take into consideration the paucity of beds in these Hospitals and to try to do the needful in the matter very early. It is also suggested that the Commissioner should consider the desirability of establishing one more Hospital on this line in the Suburban areas for the use of the people residing in the merged parts of Greater Bombay.

The Commissioner is also further requested to find out ways and means to equip and expand the Hospital Laboratory suitably so as to avoid delay in getting results of the materials sent for investigation to the Haffkine Institute.

**Group of Hospitals for Tuberculosis.**

39. The three units, *viz.*, Turner Sanatorium, Ramesh Premchand Tuberculosis Hospital and the extension blocks worked as one unit of T. B. hospitals at Sewri designated as the Group of Hospitals for Tuberculosis. The total bed accommodation was 295. The Princess Street Tuberculosis Clinic which is regularly attended by Honoraries of this group of Hospitals serves as the Out-patients' Department of this Group. The number of new cases admitted during the year was 1956 of which 1,152 were males and 804 females as against 1,960 of which 1,158 were males and 802 females in the preceding year. The largest number of admissions was from the age group 20-25 years. The number of in-patients treated at the Hospitals during the year was 2,208. Of these 1,642 patients were discharged, 280 died and 286 remained in the Hospital at the end of the year as against 1662, 311 and 252, respectively, in the preceding year. 895 discharged cases attended the Hospital for A. P. and P. P. treatment and in all 28,120 A. P. and P. P. refills were given to discharged patients during the year under report. The Poor Box Collections including fees for medical certificates during the year amounted to Rs. 6,704-13-9 and a sum of Rs. 2,040-15-6 was spent on medicines, injections, etc. The total expenditure incurred on this Group of Hospitals amounted to Rs. 8.16 lacs as against Rs. 8.84 lacs in the preceding year.

**K. E. M. Hospital.**

40. The Hospital has an accommodation of 510 beds distributed amongst men, women and children patients as 325,145 and 40, respectively. The accommodation was fully occupied during the year. The construction of an additional Ward out of the donation received from the Reserve Bank of India was completed but could not be utilised for want of equipment. The total number of in-patients admitted during the year was 19,674 against 19,148 and 19,792 in the previous two years. The daily average number of in-patients was 610.25 against 603.16 and 582.50 of the previous two years. The maximum number of in-patients on a single day was 663. The average number of days each patient was resident was 11.02 against 11.50 and 10.65 in the last two years. The total number of operations performed on in-patients was 8,955 against 8,874 and 9,717 in the previous two years. The total number of in-patients treated during the year was 20,264 including the balance of 590 of the previous year as against 19,706 including the balance of 558 in the previous year. Of these in-patients, 7,247 were cured, 7,353 were discharged as relieved, 3,187 left the hospital against medical advice or were otherwise discharged and 1,863 died (exclusive of 2 still born) leaving a balance of 614 at the end of the year. The average cost per in-patient per day rose to Rs. 8-15-11 as against Rs. 8-4-11 in the previous year. Similarly, the average cost per in-patient admission also showed a rise, being Rs. 102-1-2 as against Rs. 95-12-4 in the preceding year.

The total number of new out-patients treated was 1,66,812 against 1,56,888 of the preceding year showing an increase of 9,924 patients. The daily average number of new out-patients was 620.5 against 590.2 in the previous year, while the daily average number of out-patients attendance worked out to 1919.3 against 1890.2 in the previous year. The total number of out-patients attendance including casualty patients during the year came to 5,70,742 against 5,59,901 in the previous year. The highest number of out-patients attendance on any one day was 2,601 as against 2,649 in the previous year while new out-patients admitted on a

single day was 691 as against 692 in the previous year. The total number of operations on out-patients during the year was 23,147 against 20,347 in the previous year. The average cost per out-patient attendance during the year was Rs. 1-5-8 against Re. 0-14-9 in the previous year while the average cost per out-patient admission was Rs. 3-4-10 against Rs. 3-4-6 in the preceding year.

The Poor Box Charity Fund from which relief was rendered to poor patients in the form of spectacles, artificial limbs, travelling expenses, etc., received steady support from the public as well as from the patients of the Hospital. An amount of Rs. 36,547-9-0 was spent for affording relief to poor patients out of the Charity Fund. The total amount spent during the year was Rs. 38,383 while the contributions were Rs. 41,700-6-9.

The Gift Shop started for the convenience of the patients worked well. Similarly, the Occupational Therapy Centre and School, Prophylactic Immunization centre, Family Health Centre and the Co-operative Credit Society, carried on their work in their respective spheres satisfactorily.

**Municipal General Hospital, Sion.**

41. During the year under report bed accommodation in the Hospital continued to be the same as in the last year *i.e.*, 300 beds. The total number of patients admitted during the year was 12,002 as against 9,426 during the preceding year. The highest number of in-patients on a single day was 380 and the daily average number of in-patients was 339 as against 326 and 291, respectively, in the preceding year. Average number of days each patient was resident was 10.3 days as against 12.06 days in the preceding year.

The total number of in-patients treated was 12,301 including 229 of the previous year. The number of maternity and gynaec cases was 5,014 as against 4,010 in the preceding year.

The total number of operations performed on in-patients was 2,641 as against 2,139 in the preceding year. The average cost per in-patient on diet per day was Re. 0-15-6 against Re. 0-14-0 in the preceding year.

The total number of new out-patients was 62,195 with a daily average of 212.7 as against 51,431 and 164.3, respectively, in the preceding year. The total number of out-patients attendance was 2,55,000 with a daily average of 825.2 as against 1,98,572 and 634.4, respectively in the preceding year. The highest number of out-patients attendance on a single day was 1,940 as against 1,739 in the preceding year. The total number of operations performed on out-patients was 3,220 as against 2,348 in the preceding year.

Paying bed scheme started from September 1951 is working satisfactorily as more and more patients are taking advantage of the same. 921 patients were admitted in the General and Special rooms as against 390 in the previous year. 119 major and 177 minor operations were performed on paying patients, as against 60 and 69, respectively, in the previous year.

Pathological and Bacteriological investigations in respect of 17,730 in-patients and 9,784 out-patients were carried out in the Laboratory of the Hospital.

The Research Department started in 1951 was working very satisfactorily. During the year enquiries with the problem of anaemia and diabetes were taken. 4,435 patients for Anaemia and 404 patients for Diabetes were investigated.

The Hospital has a most upto date library having all the recent text books and other books on Anaesthesia and most of the Journals on the subject and Anelgesia.

The Poor Box Fund at the close of the last year was Rs. 35,337-8-6. During the year a sum of Rs. 57,823-10-3 was collected in the Charity Boxes and by way of donations, etc., and the expenditure amounted to Rs. 37,641-8-0. A balance of Rs. 55,519-10-9 remained in the Poor Box Fund at the close of the year. It can be seen that the Hospital has made very rapid progress during the last 5 years.

**Bai Yamunabai L. Nair Charitable Hospital.**

42. The Hospital has an accommodation of 330 beds distributed among men, women and children patients as 171, 126 and 33, respectively. The accommodation was fully occupied during the year. The total number of in-patients admitted was 11,450 against 10,036 in the previous year. The daily average of admissions was 295.52 against 240.41 in the previous year. The total number of in-patients treated was 11,679 including the balance of 229 of the previous year of whom 5,405 were cured, 3,779 were relieved, 647 died, 1,561 were otherwise discharged and 287 remained at the close of the year. The highest number of in-patients treated on a single day was 346 and the daily average worked out to 295.52. On an average each patient was resident for 9.25 days against 8.95 in the previous year. The average cost per in-patient per day was Rs. 8-2-10 against Rs. 8-3-6 during the preceding year.

The total number of out-patients treated was 2,15,259 against 1,86,437 in the previous year and the average number of out-patients attendance per day was 719.36 against 601.41 in the previous year. The highest out-patients attendance on a single day was 1,078 against 940 in the previous year. The average cost per out-patient per day was Rs. 1-0-10 against Re. 0-15-4 during the preceding year.

During the year 4,449 and 4,665 operations were performed, respectively, on in-patients and out-patients against 4,114 and 7,435, respectively, during the last year.

The total expenditure incurred on the maintenance of the hospital amounted approximately to Rs. 13.01 lacs against Rs. 9.75 lacs in the preceding year.

The total amount spent out of the Poor Patients' Fund in giving relief, which could not ordinarily be given out of the Municipal fund, came to Rs. 8,042-3-6 while the contributions amounted to Rs. 2,385 by way of donations and Rs. 10,511-7-9 by way of collection from the boxes kept in wards and out-door departments.

The proposal for the formation of a Blood Bank was sanctioned by the Corporation and the Blood Bank is expected to be opened in due course of time.

During the year under report a midwifery training class was started in this Hospital and 6 student nurses were undergoing training.

**Seth G. S. Medical College.**

43. During the year under report, 82 fresh admissions were made. Of the new admissions 79 students were single and 3 married. Of the 584 students on the roll against 592 in the previous year, 131 were lady students and 121 post-graduate and research students against 132 and 105, respectively in the previous year. Out of 517 students sent up for various examinations, 331 passed the whole examination against the corresponding figures of 572 and 322 of the previous year. Clinical instructions in diseases of children continued to be given at the Bai Jerbai Wadia Hospital for Children. Number of male students residing in the Hostel during the year was 147, while the number of lady students accommodated in the Lady students Hostel was 28. Income derived from the College and the Hostels by way of tuition fees, hostel rent, etc., was Rs.1.78 lacs against Rs. 1.74 lacs in the previous year, while the total expenditure amounted to Rs. 4.83 lacs (including payment of dearness allowance of Rs. 0.83 lac) against Rs. 4.41 lacs in the preceding year. The income derived from and the expenditure incurred on the Hostels were Rs. 16,142 and Rs. 21,503, respectively as against Rs 21,537 and Rs. 20,882 in the previous year. The gross and net cost per student worked out at Rs. 1,043.6 and Rs. 659.2 as against Rs. 904.9 and Rs 548.4 in the previous year. The amount of fees received from the post-graduate students was Rs. 22,110. The Co-operative Society continued to serve the needs of the students and also showed a large profit which is proposed to be utilized for helping needy patients and students.

The different departments of the college and the Hospital had in addition to their normal teaching and departmental work some investigations made under the auspices of the Indian Council of Medical Research, New Delhi.

The progress of other activities, like Library, Museum, Gymkhana, etc., was satisfactory.

**Topiwala National Medical College.**

44. The College had 367 students on the roll at the close of the year out of whom 58 were lady students. Besides, there were 34 post-graduate students including 8 lady students. Out of 306 students sent up for various examinations 164 passed during the year under report. The number of male students residing in the College Hostel was 57. For want of accommodation admissions to the Hostel had to be refused to a large number of students. Arrangements were made to accommodate the female students at the Grant Medical College Hostel as there was no Hostel for them at this College. The total expenditure incurred on the maintenance of the College amounted to Rs. 3.72 lacs against Rs. 2.71 lacs in the previous year. The total income by way of tuition fees, etc., received amounted to Rs. 1.24 lacs against Rs. 1.19 lacs in the previous year. A total sum of Rs. 2,18,631-0-9 was received from the Government as Grant-in-Aid for the year 1950-51.

**Nair Hospital Dental College.**

45. The College has 59 dental chairs, 4 well equipped laboratories, 1 Dental X—Ray unit, 1 Micro-Surgical unit, 1 Nitrous Oxide apparatus, 5 Microscopes, 1 Cinema Projector, 1 Epidioscope, 1 Infrared and 1 Ultra violet lamp and other equipment to give dental treatment on modern lines and also provides facilities for teaching dentistry. There were 123 students including 21 lady students on the roll. 20 students including 5 lady students appeared and passed the Diploma Examination. The admission standard for the students is Inter Science (B Group) Examination of the Bombay University or an examination equivalent to it and the course extends over four years

The College also runs a Dental Clinic which treats patients at a nominal cost and supplies artificial teeth. During the year 51,247 patients were treated as against 31,183 in the preceding year. The total expenditure incurred was Rs. 1,51,710 as against Rs. 1,40,379 in the previous year ; and the total revenue by way of fees from students and patients was Rs. 63,015 as against Rs. 48,133 during the previous year.

The College has an Academic Council to look after the Academic affairs. There is also an Advisory Board which conducts Final L.D.Sc. Diploma Examination and advises the Dean and the Municipal Commissioner in the policy to be followed by the College and in matters of administration referred to them by the Dean or the Municipal Commissioner.

**Education.**

46. At the close of the year there were 1,75,104 pupils in 444 schools and 43 classes in Greater Bombay, the number in the City being 1,48,131 pupils in 351 schools and 29 classes and in the Suburbs 26,973 pupils in 93 schools and 14 classes. The corresponding figures for the previous year were 1,70,089 pupils in 458 schools and 25 classes in Greater Bombay, representing 1,44,680 pupils in 357 schools and 23 classes in the City and 25,409 pupils in 101 schools and 2 classes in the Suburbs. Thus there was a net increase of 5,015 pupils in Municipal Schools during the year. The highest number on roll in Municipal schools in Greater Bombay was 1,90,990 at the end of July 1952. The number fell down to 1,75,104 at the end of March 1953. The total number of teachers in Greater Bombay at the end of the year was 4,879 of whom 4,050 were permanent, 650 were non-permanent and 179 were special teachers including part-timers. The percentage of trained teachers was 88 in the City and 79.3 in the Suburbs.

The Byculla Educational Centre was opened in the year 1949 with a view to devote entirely to find out ways and means of keeping the Municipal Primary teachers acquainted with the latest methods and thoughts in the field of education and with the new teaching devices, Instruction in method of Education, Geography and Science were imparted at this centre. The Centre organized about 50 lectures on various educational topics for the benefit of the Municipal teachers with the help of eminent educationists in the City. 62 programmes of film shows were also arranged by the centre for the benefit of school children.

The two schools converted into Basic schools in 1949 continued to work as before and imparted education in spinning and weaving as the Basic craft with kitchen gardening as an additional subject. From the experience it is found that the conversion of Primary Schools into Basic schools will not be of any practical use in the City like Bombay.

Besides the education in 3 Rs the Municipality also imparts vocational education. There are 22 Municipal Vocational Upper Primary Schools which prepare pupils for the Primary School Certificate Examination with the subject of craft as one of the compulsory subjects. Carpentry and tailoring is also taught in these schools. Other subjects taught in these schools are Sewing, Embroidery, Tailoring, Printing and Binding, Clock repairing, sign-board painting and card board modelling.

At present there are 61 Municipal owned school buildings in Greater Bombay. One school building at Andheri was constructed during the year partly out of donations from the public and partly from the Corporation funds. The programme of constructing new school buildings is taken in hand by the Commissioner earnestly. During the year under report loan of Rs. 5 lacs was raised for constructing new school buildings.

At the close of the year there were 283 Aided Schools in Greater Bombay (224 in the City and 59 in the Suburbs) as against 285 in the previous year. The number of pupils in these schools was 69,552 as against 69,100 in the previous year. The number of recognized schools not receiving grant-in-aids was 31 with 4,805 pupils as against 23 with 3,179 pupils in the previous year.

The total number of teachers in Aided Schools including special and part-time teachers was 2,663 as against 2,721 in the previous year. The total amount of grants recommended for payment to Aided Schools was Rs. 3,57,793 for City Schools and Rs. 1,06,829 for the Suburban Schools. The grants were paid after applying varying cuts between 20 and 85 per cent. to the assessed grants. The average cost per pupil calculated on the total number of pupils on the rolls in the Aided Schools worked out to Rs. 67.2 in the City and Rs. 59.9 in the Suburbs. The average cost per pupil to the Corporation by way of grant was Rs. 6.5 and Rs. 7.7 for the City and Suburbs, respectively.

The census of non-attending children taken in the year under report revealed that 16,820 and 5,414 children of Compulsory Age were not attending schools in the City and Suburbs, respectively. Of these. 12,932 and 3,265 children were enrolled in the City and Suburban Schools, respectively. The system of holding the schools in two sessions was continued during the year on account of shortage of housing accommodation.

Physical Education was imparted in almost all the schools on the lines of the curriculum laid down by Government. Three mass drill displays were held in Greater Bombay in which more than 8,200 children from 101 schools took part.

The Municipal Boy Scout and Girl Guide Associations continued their activities vigorously as before. The usual activities, such as Week-end Camps, Social Work, help at all departmental and public functions, etc., were carried out during the year. It is to be noted that during the year under report the Municipal Scouts and Clubs took part in the Grand Provincial State Rally held under the auspices of the Bharat Scouts and Guides Bombay State at the Brabourne Stadium on the 24th February 1953. The Municipal Boy Scouts and Girl Guides had staged certain items and they were highly appreciated by the guests who were present at the function.

This activity is very much appreciated by the public as well as the guests who attended the functions.

The School Health Service under the Executive Health Officer was continued as before for the benefit of the children of the Municipal Primary Schools. Detailed medical examination of 38,383 children reading in standards I and III was taken by the medical inspection department. Free medical treatment was given to the pupils at the Municipal Dispensaries and the Central School Clinic at the K. E. M. Hospital and the various Vaccination Centres. Free milk was supplied to about 32,640 under—nourished children, in the year.

The unique feature of the department is a Central Library specially meant for teachers only. The library contains over 17,418 books in different languages and a good number of teachers on all sides take advantage of the library.

Various extra-curricular activities were carried on as usual during the year under report, such as, Vacation Libraries in the Summer Vacation, Sharad Utsav, School Anniversaries, Vana Mahotsav, Social Education Week, Excursions, Co-operative Stores and Exhibitions.

The average cost per pupil in the City schools calculated on the number of pupils on rolls was Rs. 74.9 as against Rs. 72.2 in the previous year and the average cost per pupil in the Suburban Schools was 60.4 as against 43.9 in the previous year.

The review will not be complete unless a reference is made to the item of Finance. The income side of the Education Fund consists of Municipal Contribution, Government Grant, Fees from Municipal Schools and miscellaneous receipts. As compared to the expenditure incurred on this department the income derived from the last two items is very meagre. The Corporation's Contribution is restricted and so also the Government Grant, as it is based on the Shroff Committee's Report. On account of these restrictions it is very difficult to meet the demands of the ever growing department like this. With the ever-increasing number of pupils in Municipal schools and the higher cost of educational aids, unless some sort of agreement is made with Government in connection with the conduct of Upper Primary Schools, there will be no alternative but to go in for the Educational Cess.

**Municipal Printing Press.**

47. The Printing Press was, since its inception, under the Test Audit Officer, upto 31st July 1952. From 1st August 1952 the press was given exclusively in charge of a Manager assisted by two Deputy Managers and two Assistant Managers.

The difficulty in obtaining paper experienced in the previous years continued during the year under report and out of 200 tons of both the bleached and unbleached paper for which orders were placed with the Government, only 108¾ tons were received from the mills with the result that to make up the shortage, 62¼ tons of foreign bleached paper had to be purchased locally at high rates in order to cope up with the increased requirements of the Municipal Departments including those in Greater Bombay the work in respect of which was undertaken and carried out at the Press during the year. Over and above this the Budget Estimates and Establishment Schedules and several other jobs from the B.E. S. & T. Undertaking were also printed at the Press. Total quantity of paper consumed was 153¾ tons against 142 tons in the previous year.

The transactions of the Press for the year closed with a surplus of Rs. 2,895 on the total turnover of Rs. 8.12 lacs against the surplus of Rs. 4,437 over the turnover of Rs. 7.35 lacs for the previous year. The labour staff at the close of the year consisted of 223 workers against 234 and 165 in the previous two years.

During the year under review the Government of Bombay as well as that of Saurashtra State requested the Corporation to allow them to entrust the work of printing of their District Census Handbooks which were urgently required and which could not be carried out by their

press—to the Municipal Printing Press. It is very gratifying to note that the work was carried out satisfactorily and an amount of Rs. 14,175 was credited to the Press account.

**Legal Department.**

48. During the year under report the department continued to attend to contested matters and other proceedings in the High Court, City Civil Court, Small Causes Court and Police Courts and also to other legal matters. During the year, the department received 6,945 files, addressed 1,719 letters to outside parties or their legal advisers and gave opinions on different departmental matters and advices on 165 documents. Corresponding figures in the preceding year were 5,904 files, 891 letters and 90 documents. The report contains figures of High Court suits, as well as number of documents such as, conveyances, etc., that were completed.

The income by way of costs recovered amounted to Rs. 41,971-15-6 and the expenditure to Rs. 70,162-15-3 as against Rs. 26,404-6-9 and Rs. 65,194-4-6, respectively, for the preceding year.

Thus, it will be seen from the increasing work that the necessity of this department is very keenly felt by all the departments of the Corporation.

**Labour Department.**

49. During the year under report there were 10 Unions of Municipal employees of which 8 were registered with a total membership of 8,953 and 3 unregistered. The total number of labour staff employed in 11 main departments was 27,182 persons.

In consonance with the Trade Union Movement the Municipal Commissioner was kind enough to establish Joint Councils on the lines of the Whitley Councils in Great Britain. In all 9 Joint Councils were functioning during the year under report. The scope of the work of these councils was elastic enough to allow discussions and recommendations on all matters pertaining to conditions of services. They helped to promote cordial relations between the employers and the employees.

The Labour Officer dealt with among other things complaints regarding Service conditions, promotions, transfers, etc. During the year under report 1,434 such complaints were received by the Labour Officer out of which 143 were not genuine, 157 were found unjustified. The grievances of 1,021 cases were redressed by the Labour Officer and 113 were kept pending without taking any decision.

The recreational, educational and other cultural activities organized by the Welfare Branch of the Department for the benefit of the Municipal Workers and their dependents continued more vigorously in the year under report. The maternity unit attached to the Chembur Welfare Centre continued to do its useful work under a qualified lady Doctor and medical treatment, wherever necessary, was given by the Welfare Organisation.

**Labour Relations.**

50. Labour relations during the year were smooth and there was no dislocation of work. The staff of the Nair Hospital was a little restive and the Bombay Municipal Hospital Employees' Union had served a notice of strike on their behalf. The matter was, however, settled amicably and the strike notice was withdrawn.

**Ward Officers.**

51. The two Ward Officers (one for the South and the other for the North) during the year under report, attended to and dealt with complaints pertaining to drainage, conservancy, water supply, buildings, sanitation as also other complaints in connection with encroachments, makets, gardens, fires, etc. On their usual rounds the complaints were verified and the needful done and also sanitary and other defects noticed by them in the course of their rounds were reported to the respective heads of departments for necessary action. The number of such references in respect of buildings was 1,405 drainage 359, sanitation 2,106, water supply 1,562 and miscellaneous 239, the corresponding figures for the preceding year being 1,478,398, 1,871 1,767 and 319.

**Audit.**

52. This year also the Municipal Chief Auditor's Report has not been included in the Municipal Commissioner's Administration Report, as required by Section 137 (4) of the Bombay Municipal Corporation Act as it was not received in time. The Municipal Chief Auditor's Report would have been of much help to the Standing Committee while studying the report of the Municipal Commissioner. The report will be forwarded to the Corporation separately when received.

V. N. DESAI,
Chairman,
Standing Committee.

MUNICIPAL CORPORATION OFFICE,
BOMBAY, *24th February 1954.*

# Administration Report of the Municipal Commissioner for Greater Bombay for the Year 1952-53

## CORPORATION, STANDING COMMITTEE, IMPROVEMENTS COMMITTEE AND THE EDUCATION COMMITTEE

### CORPORATION

1. Shri Ganpatishanker N. Desai, J.P., was elected Mayor at the meeting of the Corporation, held on the 2nd April 1952 and held that office throughout the year.

2. One hundred and thirty-three meetings of the Corporation including fifteen special and adjourned special meetings, seventy-seven meetings of the Committees and eleven meetings of the sub-committees other than those of the Standing Committee, the Improvements Committee and the Education Committee were held during the year. Councillors also attended six civic receptions accorded to (*i*) Dr. Franck Buchman and other members of the International Moral Re-Armament Team; (*ii*) The Delegates of the Third International Conference on Planned Parenthood; (*iii*) The Delegates of the First International Study Conference on Child Welfare; (*iv*) The Delegates of the UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific; (*v*) Dr. Ralph Bunche, American Leader and Nobel Peace Prize Winner, and (*vi*) The Visiting Team of Medical Scientists sponsored by the World Health Organisation and the Unitarian Service Committee inc., U.S.A.

3. There was no change in the personnel of the Corporation during the year.

### STANDING COMMITTEE

4. Shri N. C. Pupala, J.P., was elected Chairman of the Standing Committee at their meeting held on the 9th April 1952, and held that office throughout the year.

5. There was no change in the personnel of the Standing Committee during the year.

6. Shri R. K. Achrekar, J.P., Chairman, Education Committee, became an *ex-officio* member from 18th April 1952, under the amended Section 43 of the Bombay Municipal Corporation Act.

7. Fifty-five regular meetings including adjourned meetings and twenty-two special meetings and three meetings of the sub-committee of the Standing Committee were held during the year.

8. There were fifty-two attendances of the members of the said Committee for audit of the Municipal accounts and one hundred and thirty-six for the signing of cheques.

### IMPROVEMENTS COMMITTEE

9. Dr. N. N. Shah, L.C.P.S. (Bom). J.P., was elected Chairman of the Improvements Committee at their meeting held on the 22nd April 1952, and held that office throughout the year.

10. There was no change in the personnel of the Improvements Committee during the year.

11. Twenty-five ordinary meetings including adjourned meetings of the Committee and two Special Meetings and four meetings of the sub-committee thereof were held during the year.

### EDUCATION COMMITTEE

12. Shri R. K. Achrekar, J.P., was elected Chairman of the Education Committee at their meeting held on the 18th April 1952, and held that office throughout the year.

13. The changes that took place in the personnel of the Education Committee were as follows :—

Shri S. S. Desnavi resigned his seat on the Committee on the 29th July 1952 and in the vacancy thus caused Shri Ram Joshi was appointed as a member of the Committee on 11th August 1952.

14. Fourteen regular meetings including adjourned meetings and ten Special Meetings of the Education Committee and one meeting of the sub-committee thereof were held during the year.

## CORPORATION AND STANDING COMMITTEE OFFICE

15. (*a*) Shri C. F. D'Souza, continued to hold the office of Municipal Secretary during the year.

(*b*) No circumstances arose in this department in which it was necessary to invoke the Provisions of the Municipal Servants Act, 1890.

(*c*) There was no award of any adjudication during 1952-53.

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## LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31st MARCH 1953

SHRI GANPATISHANKER N. DSEAI, J.P., *Mayor.*
SHRI N. C. PUPALA, J.P., *Chairman, Standing Committee.*
DR. N. N. SHAH, L.C.P.S. (Bom.), J.P., *Chairman, Improvements Committee.*
SHRI R. K. ACHREKAR, J.P., *Chairman, Education Committee.*

ANANDE, DR. D. L. J.P.
BAGWE, SHRI G. S., B.A., LL.B.
BAMJI, MAJOR S. R., A.I.R.O., F.C.R.A., F.R.S.A., F.C.I., M.B.E. (Retired) J.P.
BANDUKVALA, SHRI N. Y.
BHANDARE, SHRI R. D., M.A., LL.B.
BHARUCHA, SHRI NAUSHIR C., M.A., LL.B., M.L.A.
BHOSLE, SHRI D. G.
BORICHA, SHRI P. H., B.A., L.S.G.D.
BORKAR, SHRI K. L.
BROKER, SHRI K. M.
CHARI, SHRI K. R.
CHEMBURKAR, SHRI R. H.
CHIPLUNKAR, SHRI S. D.
CHOKSY, SHRI M. D.
CHOUGULE, SHRI K. M.
DAFTARY, DR. P. D., L.C.P.S. (Bom.)
DARUVALA, SHRI JEHANGIR D., M.SOC.C.E. (France), ASSOC, M.Inst. C.E., F.I.S.E., M.I.E. (India), M.R. (San).I.
DESAI, SHRI DINKAR D., M.A., LL.B.
DESAI, SHRI K. G.
DESAI, SMT. MANIBEN N., G.A., J.P.
DESAI, SHRI V. N., B.A.
DESNAVI, SHRI S. S., B.SC., B.T.
DEVRUKHKAR, SHRI D. D. J.P.
DHARIA, SHRI K. S., B.A., LL.B. (Hons)., (Lond)., BARRISTER-AT-LAW.
DHORAJIWALA, SHRI M. A.
DHURANDHAR, SHRI S. A., B.A., LL.B.
DIAS, DR. P. A., L.M.&S.
DINA, SHRI A. S.
DONDE, SHRI M. V., B.A., M.L.C.
D'SOUZA, DR. J. LEON, M.B., B.S.
D'SOUZA DR. MENINO, M.D., B.SC., (Bom).
FERNANDES, DR. SIMON C., M.B., B.S.
GANATRA, SHRI R. K.
GANJI, SHRI N. B.
GAONKAR, SHRI H. D., M.SC., (Bom)., T.D. (Lond).
GIANI, SHRI KEHARSINGH DAYALSINGH.
GOAD, SHRI Y. S.
GULAM NABI HAJI ABDUL REHMAN, SHRI
HAFIZKA, SHRI A. M.
HARDIKAR, SHRI R. K. J.P.
HARRIS, SHRI M.
ISMAIL KHWAJA HUSAIN, SHRI
JADHAV, SHRI R. A.
JOSHI, SHRI H. K., BARRISTER-AT-LAW.
JOSHI, SHRI J. K.
JOSHI, SRHI RAM, M.A.
KADAM, SHRI N. D.
KANHERE, SHRI L. H. J.P.
KANTHI, SHRI G. S. J.P.
KHATAL, SHRI M. A.
KHER, SHRI P. G., B.A., LL.B.
KHOPKAR, SHRI M. S.
KHWAJA, SHRI GULAM JILANI SADRUDDIN.
KOTHARI, SHRI J. K.
KOTHARI, DR. V. A., L.M. (Dublin).
KUNDER, SHRI Y. B.
LATHI, SHRI JAYANTILAL L.
LATIF, SHRI FATEHMOHAMED.
MADHAVAN, SHRI M.
MAHAJANI, SHRI D. G.
MAHASHABDE, SHRI G. B., J.P.
MAHIMTURA, DR. M. G.
MALLA, SHRI T. M.
MANAY, SHRI G. K.
MANDLIK, DR. P. V., M.B., B.S.
MANKAR, DR. USHAKANT J., L.C.P.S.
MATKAR, DR. W. S., L.C.P.S.
MEHDI RAJABALLY, SHRI J.P.
MEHER, SHRI J. S.
MEHTA, SHRI P. V., L.T.C.
MEMON, SHRI A. U.
MERCHANT, SHRI IBRAHIM M.
MISRA, SHRI H. D.
MODI, SMT. SULOCHANA M., M.A., J.P.
MORE, SHRI PRABHAKAR H.
MORE, DR. R. B., M.B., B.S.
MOTWANE, SHRI NANIK G.
MUNAGEKAR, DR. D. S.
MUNSHI, SHRI M. N.
NANDI, DR. B. K., M.SC. (Cal)., PH.D.Tech. (Manch)., AR.I.C. (Lond).
PADHYE, SMT. KAMALABAI P., B.A. (Hons).
PALEKAR, SHRI S. D.
PARALKAR, SHRI P. S., B.SC., LL.B.
PARIKH, SHRI M. P.
PATEL, DR. C. P., M.D. (Bom)., D.T.M. &H. (Lond).
PATEL, SHRI DAHYABHAI V., J.P.
PATEL, DR. S. G., M.B., B.S.
PATIL, DR. B. S., M.B., B.S.
PATIL, SHRI G. L.
PATIL, DR. K. G., B.H.SC.
PAWAR, SHRI S. B.
PEERBHOY, SHRI YUSUF S.
PODDAR, SHRI G. S., J.P.
POHUJA, SHRI D. C.
PRABHOO, SHRI M. S.
PRATAPSINGH LAKSHMIDAS, SHRI
PUPALA, SHRI P. S., J.P.
RANGNEKAR, DR. A. R., M.B., B.S.
SHAH, SHRI JIVRAJ, B.
SHAIKH, SHRI A. V.
SHANKARSHET, SHRI B. R., B.A.
SHARMA, SHRI J. S., J.P.
SHENOY, SHRI V. A.
SHIGVAN, SHRI P. D.
SHROFF, SMT. VASANTI N., B.A.
SIKANDER, SHRI M. F., B.A., LL.B.
SINGH, SHRI DUDHNATH.
SOWANI, SHRI H. K.
TAMMAL, SHRI B. D.
TEMBE, SHRI V. K., F.C.A., LL.B.
THAKARE, SHRI S. M.
UPADHYAYA, SHRI P. U.
VAKHARIA, SHRI N. D., B.COM., LL.B.
VANIA, SHRI D. D., B.A., LL.B.
VELINKAR, SHRI V. S., B.A., BARRISTER-AT-LAW.
VORA, SHRI P. H., M.A., LL.B.
WADIA, DR. S. R., M.B., B.S.
WORLIKAR, SHRI V. B.
YADAV, SHRI R. R.
ZAVERI, SHRI SHANTILAL P.

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## LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1953

SHRI N. C. PUPALA, (*Chairman*).
SHRI R. D. BHANDARE.
DR. P. D. DAFTARY.
SMT. MANIBEN N. DESAI.
SHRI M. V. DONDE.
SHRI A. M. HAFIZKA.
SHRI M. HARRIS.
SHRI G. S. KANTHI.
SHRI P. G. KHER.
SHRI G. B. MAHASHABDE.
DR. M. G. MAHIMTURA.
DR. W. S. MATKAR.
SMT. SULOCHANA M. MODI.
SHRI M. P. PARIKH.
SHRI V. K. TEMBE.
SHRI V. S. VELINKAR.

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## LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1953

DR. N. N. SHAH, (*Chairman.*)
SHRI G. S. BAGVE.
SHRI P. H. BORICHA.
SHRI JEHANGIR D. DARUVALA.
DR. SIMON C. FERNANDES.
SHRI R. K. GANATRA.
SHRI R. K. HARDIKAR.
SHRI ISMAIL KHWAJA HUSEIN.
SHRI M. MADHAVAN.
SHRI P. V. MEHTA.
SHRI I. M. MERCHANT.
SHRI H. K. SOWANI.
SHRI S. M. THAKARE.
SHRI P. U. UPADHYAYA.
SHRI V. B. WORLIKAR.
SHRI S. P. ZAVERI.

## LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1953

SHRI R. K. ACHREKAR, (*Chairman*).
MAJOR SOHRAB RUSTOMJI BAMJI.
SHRI M. V. DONDE.
SHRI H. D. GAONKAR.
DR. B. G. GOKHALE.
SHRI RAM JOSHI.
SHRI M. S. KHOPKAR.
SHRI GULAM JILANI S. KHAWJA.
SHRI G. K. MANAY.
SMT. ANUSAYA M. NADKARNI.
SHRI B. R. SHANKARSHET.
SMT. VASANTI N. SHROFF.
SHRI DUDNATH SINGH.
SMT. LILAVATI V. VELINKAR.
SHRI B. B. VYAS.
DR. S. R. WADIA.

Shri B. K. Patel, B.A. (Cantab.), I.C.S., held the office of the Municipal Commissioner upto 20th September 1952, except for the period from 3rd September 1952 to 20th September 1952, when he was on leave. Shri P. R. Nayak, I.C.S., who acted as Municipal Commissioner during the period of Shri Patel's absence on leave, was appointed to hold the post of Municipal Commissioner for a period of three years under Bombay Government Resolution No. S/20 (15) of 4th August 1952 (Local Self Government and Public Health Department).

Shri B. V. Mody, B.A. (Hons.), J.P., Deputy Municipal Commissioner, was on leave preparatory to retirement from 11th January 1952 to 30th April 1952.

Shri J. K. Daruvala B.A. (Hons.) A.S.A.A., held the post of the Deputy Municipal Commissioner (General), throughout the year except for the periods from 20th May 1952 to 7th June 1952 and 13th October 1952 to 1st November 1952, when he was on leave.

Shri A. H. K. Shaikh, B.A., was appointed as Deputy Municipal Commissioner (Suburbs) from 11th June 1952, and he held the post during the year.

Shri L. S. Kagal B.A. (Hons.) LL.B., held the Office of the Deputy Municipal Commissioner (Improvements) throughout the year.

Shri S. M. Y. Sastry, M.A., B.L., held the office of the Assistant Municipal Commissioner (Suburbs) throughout the year, except for the period from 21st July 1952, to 20th January, 1953, when he was appointed as Special Officer in connection with the revision of the Bombay Municipal Corporation Act. Shri K. R. Kelkar, B.A., Election and Town Duty Officer, acted in his place during the above period.

Shri S. R. Guru held the office of the Ward Officer (North) throughout the year, except for the period from 5th May 1952, to 4th June 1952, when he was on leave. Shri G. E. Pereira Ward Officer (South) looked after his work in addition to his own during the period of his absence.

Shri G. E. Pereira, B.A., LL.B., held the office of the Ward Officer (South) throughout the year, except for the periods from 3rd October 1952, to 31st October 1952, and 4th November 1952, to 27th November 1952, when he was on leave. Shri S. R. Guru Ward Officer (North) looked after his work in addition to his own during the period of his absence.

## II.—HEADS OF DEPARTMENTS

Shri A. H. K. Shaikh B.A. who held the post of the Superintendent of Licences, continued to be on deputation to Government as Electoral Officer up to 30th April 1952, and then proceeded on leave from 1st May 1952. He resumed duty as Deputy Municipal Commissioner (Suburbs) on 11th June 1952. Dr. G. R. Pradhan B.A., Ph.D. continued to act in the same post up to the end of the year.

Shri C. T. Shah B.A. (Hons.) B.E. A.M.I.E. (India), continued to hold the post of Estate Agent and Land Manager till 30th April 1952, when he proceeded on leave for two months and twenty-six days prior to retirement. Shri N. D. Baria, who was appointed in his place, continued to hold the post till the end of the year.

Shri N. D. Baria, B.E., A.M.I.E. (India) held the post of Deputy Estate Agent and Land Manager till 30th April 1952 and Shri V. L. Ghangurde B.Sc. B.E., LL.B., was appointed as Deputy Estate Agent and Land Manager from 12th May 1952.

Dr. S. C. Upadyaya M.A.LL.B., Ph.D., held the post of the Curator, Victoria and Albert Museum and that of the Chief Librarian throughout the year, except for the period from 26th December 1952 to 2nd January 1953, when he attended the annual meeting of Museums Association of India at Gwaliar. Shri B. V. Mahajan, a Senior Clerk in the Library Department, looked after his work during the period of his absence.

Shri K. R. Kelkar held the post of the Election and Town Duty Officer throughout the year, except during the period from 21st July 1952 to 20th January 1953, when Shri S. G. Redkar officiated for him.

Shri D. I. Ahmadi. B.Ag. continued to be in charge of the Gardens Department, except for a period from 26th December 1952, to 3rd January 1953, when Shri J. N. Barowa, Assistant Superintendent (Zoological), was in charge of the Superintendent's duties in addition to his own.

Dr. S. G. Vengsarkar M.D., F.C.P.S., was permitted to avail himself of the W.H.O. Fellowship to proceed to U.S.A. and U.K. to study modern trends in medical education from 14th February to 31st May 1952, and was granted earned leave from 1st June 1952 to 16th July 1952, and Dr. L. Monteiro, M.D., Professor of Pathology and Bacteriology, was asked to look after the duties of the Dean.

Shri T. V. Doraiswamy, B.Com., held the post of Chief Accountant throughout the year, exceept for a short period from 1st May 1952 to 23rd June 1952, when he was on leave and Shri G. V. Damle acted for him from 13th May 1952.

Shri G. V. Damle, G.D.A., held the post of Test Audit Officer, throughout the year, except for the period from 13th May 1952 to 23rd June 1952, when he officiated as Chief Accountant. Shri N. V. Naik, Acting Deputy Accountant, acted for him during the period.

Shri S. G. Redkar, B.Sc., LL.B., held the post of Chief Inspector, Shops and Establishment, throughout the year, except for the period from 21st July 1952 to 20th January 1953, when he was promoted as the Acting Election and Town Duty Officer.

Shri M. K. Batliwala, B.E. (Civil), A.M.I.E., continued to hold the post of Deputy City Engineer, except for the period from 22nd September 1952 to 19th November 1952, when he was on leave.

Shri N. R. Junnarkar, B.E. (Mech.), (Bom.), certified I.E.S.C. (Bangalore), A.M.I.E. (London), continued to hold the post of Mechanical Engineer, except from 6th December 1952 to 5th February 1953, when he was on leave.

Shri S. G. Tolat B.A. (Hons.), was appointed as Manager of Municipal Printing Press from 1st August 1952. and he held the post during the year.

The following Officers continued in their respective appointments, throughout the year :—

Dr. V. V. Puri, M.B., (Pb.), D.P.H. (Lond.), D.T.M. (Lond.), as the Executive Health Officer.

Dr. R. G. Dhayagude, M.D. (Bom.), as Dean, K. E. M. Hospital, and Seth G. S. Medical College.

Dr. V. M. Desai, D.D.S., F.D.S.R.C.S. (Eng. and Edin), F.I.C.D., F.A.I.D., as Dean, Nair Hospital Dental College.

Dr. S. V. Joglekar, M.S., F.C.P.S. (Bom.), as Medical Superintendent, Municipal Group of Hospitals, Sion.

Shri N. V. Modak, C.I.E., B.E., M.I.C.E., M.I.E. (India), F.R.San., J.P., as Special Engineer.

Shri K. B. Carnac, A.M.I.C.E. (Lond.), A.M.I.E. (India), as Hydraulic Engineer.

Shri M. A. Lokhande, B.E.(Civil), as Assistant Engineer, 1st Grade, (Drainage).

Shri N. K. Gandhi, B.E. (Civil), A.M.I.E. (India), as Assistant Engineer, 1st Grade (Suburbs).

Shri V. N. Ambdekar, A.R.I.B.A., A.I.A.A., as Architect for Greater Bombay.

Shri P. P. Dani, B.E., A.M.I.E., as Construction Engineer (Dams and Tunnels) on Vaitarna-*Cum*-Tansa Scheme.

Shri N. F. J. Bilia, B.E. (Civil), as Assistant Engineer, 1st Grade, (Maintenance).

Shri D. S. Thakur, B.E. (Civil), as Assistant Engineer, 1st Grade, (Buildings).

Shri R. C. Mehta, F.S., A.A., R.A., as Municipal Chief Auditor.

Shri V. V. Shaligram, B.A., G.D.A., as Chief Accountant, Vaitarna-*Cum*-Tansa Scheme.

Smt. K. T. Khandwala, B.A., B.T. (Bom.), M.A. (U.S.A.), J.P., as Education Officer.

Shri M. G. Pradhan, B.Sc., as Chief Officer, Fire Brigade.

Shri J. P. Pereira, G.B.V.C., as Superintendent of Markets and Slaughter Houses.

Shri B. G. Desai, B.A., LL.B., as Solicitor to the Corporation.

Smt. F. A. Irani, B.A. (Hons.), as Labour Officer.

Shri F. D'Souza, B.E. (Civil), as Controller of Stores.

## III.—FINANCIAL

(000 *omitted*)

**Estimates and Actuals of Income and Expenditure.**

According to the Budget Estimates the normal income,* expenditure and deficit for the year were estimated at Rs. 8,22,08 (inclusive of Rs. 28,94 transfers from B. E. S. & T. Fund), Rs. 8,80,86 and Rs. 58,78 respectively. However, the actual income realised was Rs. 8,45,82 (including transfer of Rs. 28,76 from B. E. S. & T. Fund) and the expenditure incurred was Rs. 8,22,86 resulting in a surplus of Rs. 22,96 at the end of the year.

The actual income during the year, *viz.*, Rs. 8,17,06 (exclusive of Rs. 28,76 transfers from B. E. S. & T. Fund) shows an increase of Rs. 78,61 with that of the previous year *viz.* Rs. 7,38,45 (exclusive of transfers from B. E. S. & T. and Post War Reconstruction Funds). There are increases amounting to Rs. 97,45 in aggregate, counterbalanced by decreases amounting to Rs. 18,84. The main increases were under General Tax Rs. 64,93,† Town Duties Rs. 141 Interest and Profit on investment of Surplus, etc., balances Rs. 2,37 Miscellaneous Rs. 1,28, Water Works Rs. 15,39, Medical Relief and Education Rs. 1,16, Street Cleansing, etc., Rs. 2,41, Buildings Rs. 1,90, Licensing, etc., Rs. 4,69, Markets, etc., Rs. 1,51 and certain other heads Rs. 40. The decreases amounting to Rs. 18,84 are accounted for as under :—

Grant-in-aid in respect of fines for offences against the law Rs. 2,46, Education Primary Rs. 14,37,‡ Roads Drains and Sewers, etc., Rs. 1,44, Gardens and Open Spaces Rs. 27 and Rebate from Government on account of collection of U.I.P. Tax Rs. 22 and certain other heads Rs. 8.

**Details of Expenditure**

The actual expenditure for the year *viz.* Rs. 8,22,86 shows an increase of Rs. 30,06 over that of the previous year *viz.*, Rs. 7,92,80. There were increases in expenditure under certain heads, the gross increases for the year being Rs. 60,74 counterbalanced by decreases of Rs. 30,68. The main increases were under Water Works Rs. 13,78, Public Health Rs. 7,09 Medical Relief, etc., Rs. 7,52, Street Cleansing, etc., Rs. 14,93, Roads, etc., 1,96, Markets Rs. 1,97, Dearness Allowance Rs. 5,50 Contribution to Budget 'D' Rs. 2,96, Cyclone Damage Rs. 3,13 and minor increases under certain other heads Rs. 1,90. The main decreases were under Education (Primary) Rs. 23,41,§ Mechanical Rs. 4,94 and under certain other heads Rs. 2,33.

**Incidence of Taxation**

The incidence of taxation per head for the year was Rs. 30-4-1 as against Rs. 26-6-2 for the preceeding year.

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* Exclusive of recoupment of Advances for the purchase of capital stores.

† Due to increase in the rate of General Tax by 3 per cent.

‡ Due to contributions from Government having been transferred to Budget 'E.'

§ Due to the contributions for Primary Education having been fixed on the basis of five times, the net realisations of General Tax divided by the rate fixed for the General Tax.

**Surplus Cash Balance**

The net unhypothecated Surplus Cash Balance on 31st March 1953 (including the minimum required by law) was Rs. 52,82 against Rs. 15,75 on 31st March 1952.

**Stores in hand**

The balance of stock, including surplus and obsolete on 31st March 1953 was valued at Rs. 1,01,99 against Rs. 88,36 at the close of 1951-52 showing an increase of Rs. 13,63.

**Expenditure grants**

The total amount of grants (including Renewed and Additional grants) was Rs. 9,58,63 while the expenditure amounted to Rs. 8,22,86 leaving an unexpended balance of Rs. 1,35,77. Out of this, grants aggregating to Rs. 48,61 are reserved for being renewed for expenditure in 1953-54 while Rs. 87,16 are treated as savings.

Additional grants sanctioned during the year aggregated to Rs. 30,77 against Rs.34,64 in 1951-52.

**Loan Works Expenditure**

The expenditure on Capital Works during the year amounted to Rs. 3,53,53 against Rs. 5,46,79 provided for in the Revised Estimates under this head.

**Loans floated during the year**

During the year Loans amounting to Rs. 3,74,83 were raised viz Rs. 2,79,14 from the public at 4 per cent. with 12 years' currency, Rs. 69,00 internally at 4 per cent. with 15 years' currency and Rs. 26,69 were taken from Special Funds to finance the expenditure on Plant and Machinery and for the Renewal of Road Surfaces for which no provision existed in the Fund.

**Loan liabilities**

Reduction of Debt during the year amounted to Rs. 1,04,54. The Loan liabilities of the Corporation at the close of the year stood at Rs. 20,08,83. The total Sinking Fund required upto 31st March 1953 was Rs. 4,31,42 but the actual value was Rs. 4,55,20 as under :—

| | Rs. |
|---|---|
| Public securities of the Market value of ... | 4,53,14 |
| Interest accrued on the above securities upto 31st March 1953 | 2,06 |
| Total Rs. ... | 4,55,20 |

A comparison of the net revenue and net expenditure for 1951-52 and 1952-53 is made below in accordance with the Standing Committee Resolution No. 12212, dated the 3rd February 1892 :—

| Particulars | 1951-52 | 1952-53 |
|---|---|---|
| | Rs. | Rs. |
| Net revenue after deducting refunds draw-backs and charges in respect of assessment and collection and granting of refunds— | | |
| General Tax ... | 2,49,98,329 | 3,14,68,266 |
| Town Duties ... | 66,09,252 | 67,17,245 |
| Music, etc. Licences ... | 8,708 | 9,506 |
| Returns from Property and Miscellaneous ... | 25,32,482 | 26,83,306 |
| Water Works ... | 44,64,920 | 46,18,646 |
| Street Cleansing and Conservancy, Road Watering and Halalkhore Service. | *Dr.* 11,69,195 | *Dr.* 51,27,296‡‡ |
| Wheel Tax and Tolls ... | 40,69,323 | 41,08,243 |
| Fire Tax ... | 2,43,240 | 2,80,262 |
| Markets and Slaughter Houses ... | 18,79,637 | 18,29,345 |
| Licensing and Removal of Encroachments, etc., and Theatre-Tax. | 18,27,340 | 22,32,375 |
| Contribution from Capital Funds to Revenue on account of Loan Works Staff. | 2,16,430 | 2,20,548 |
| Extra-ordinary Receipts— | | |
| Interest on Net Premia Fund and excess on Sinking Fund. | 1,57,480 | 1,54,184 |
| Rebate from Government on account of collection of the Urban Immovable Property Tax in the City. | 2,45,700 | 2,23,956 |
| Transfer from Post War Reconstruction Fund ... | 7,29,946 | ... |
| Transfers from the B. E. S. & T. Fund under Section 460KK(2)(*b*) and LL(1)(*d*) of the Bombay Municipal Corporation Act. | 25,75,611 | 28,75,682 |
| | 4,93,89,203 | 5,22,94,268 |

§§ Variation due to reallocation of Budget heads under VII, VIII, and IX as approved under S.C.R. No. 357 of 25-5-1951.

| Particulars | | 1951-52 | 1952-53 |
|---|---|---|---|
| | | Rs. | Rs. |
| Net Expenditure after deducting receipts— | | | |
| General Superintendence | ... | 10,14,608 | 11,16,612 |
| Education (Primary) | ... | 93,75,081 | 84,71,478 |
| Education (Secondary) | ... | 68,439 | 73,976 |
| Public Health | ... | 21,87,111 | 29,14,763 |
| Medical, Relief and Education | ... | 70,96,919 | 77,91,279 |
| Roads, S. W. Drains (including Public Lighting) | ... | 81,06,282 | 75,16,933 |
| Mechanical | ... | 26,96,277 | 3,74,830‡‡ |
| Buildings, Land Acquisition and Management | ... | 19,35,103 | 18,03,577 |
| Gardens and Open Spaces | ... | 6,98,008 | 7,17,790 |
| Miscellaneous | ... | 8,94,251 | 7,96,007 |
| Contribution towards Improvement Schemes | ... | 36,28,232 | 35,83,626 |
| Provident Fund, Pensions, Gratuities and Compassionate Allowances | ... | 20,13,925 | 19,18,354 |
| Urban Immovable Property Tax on Municipal Properties. | | 55,479 | 53,925 |
| Dearness Allowance | ... | 96,76,924 | 1,02,27,308 |
| Grants-in-aid to Public Institutions | ... | 10,49,028 | 9,97,872 |
| Rent of Buildings, requisitioned for housing Municipal employees of essential services, since derequisitioned by Government. | ... | 22,747 | 30,452 |
| Contribution to Budget 'D' | ... | 10,00,000 | 12,96,074 |
| Damage caused by cyclone of 1948 | ... | ... | 3,13,298 |
| Total | ... | 5,15,18,414 | 4,99,98,154 |
| Deficit | ... | 21,29,211 | Surplus 22,96,114 |
| Total | ... | 4,93,89,203 | 5,22,94,268 |

## IMPROVEMENT SCHEMES

### General Account

(000 *omitted*)

**Estimates and actuals of Income and Expenditure**

The income, expenditure and deficit for the year as per Budget Estimates 'B' were Rs. 1,19,86, Rs. 1,20,86 and Rs. 1,00 respectively, the corresponding actuals being Income Rs. 1,12,89 Expenditure Rs. 1,18,79 and deficit Rs. 5,90.

**Variation in Income**

The actual income for the year *viz.*, Rs. 1,12,89 shows a net decrease of Rs. 60 over that of the preceding year *viz.*, Rs. 1,13,49. This is made up of decreases in contribution from Municipal Corporation Rs. 45, Receipts on account of Tobacco Duty Rs. 2,58 and Interest and Profit on Investments Rs. 47 counterbalanced by increases in Rents and other proceeds of properties Rs .2,83 and Miscellaneous Receipts Rs. 7.

‡‡ Variation due to reallocation of Budget heads under VII, VIII, and IX as approved under S.C.R. No. 357 of 25-5-1951.

Details of Expenditure

The actual expenditure for the year *viz.*, Rs. 1,18,79 shows an increase of Rs. 7,88 on that of the previous year *viz.*, Rs. 1,10,91. This is due to increase *viz.*, Rs. 8,46, under Maintenance of Properties and Streets and decrease of Rs. 58 under Debt Charges.

## Capital Account

Expenditure on Schemes, Loan floated in the year

The expenditure on Capital Works during the year amounted to Rs. 21,86. There was no fresh borrowing during year. Reduction of Debt during the year amounted to Rs. 6,86. The liabilities of the Improvement Schemes at the close of the year stood at Rs. 15,33,60. The total Sinking Fund required upto 31st March 1953 was Rs. 4,58,13, but the actual value was Rs. 4,94,01 as under :—

| | | Rs. |
|---|---|---|
| Public Securities of the Market Value of | ... | 4,92,90 |
| Interest accrued on the above securities upto 31st March 1953 | ... | 1,11 |
| Total | ... | 4,94,01 |

## Education Fund

Income and Expenditure

The income for the year was Rs. 1,36,41 made up of Rs. 89,59 and Rs. 9,79 being contributions from Budgets 'A' and 'D' respectively and Rs. 25,09 and Rs. 5,50 being Grants-in-aid from Government for Primary Education for the City and Suburbs and Rs. 6,44 miscellaneous receipts. The expenditure was Rs. 1,32,88 (City Rs. 1,16,49 and Suburbs Rs. 16,39).

# IV.—ASSESSMENT AND COLLECTION

Taxation Demand Collection and Outstandings.

The rate of General tax was increased from 14¾ to 17¾ per cent. but the rate of water and halalkhore taxes remained the same as in the preceding year. The total number of properties during the year was 54,079 against 53,865 in the previous year showing an increase of 214. Out of these properties 46,190 were assessed to General tax, 1,812 were exempted, 1,109 were Municipal properties exempted from General tax, 2,408 were not taxed being small plots and 2,560 were Municipal plots. The number of single room tenements, double room tenements and flats was 2,73,704; 69,288 and 47,346 respectively, against 2,49,403; 57,198 and 42,734 in the preceding year.

The rateable value of all properties on 31st March 1953 was Rs. 21,99,08,994 against Rs. 21,00,54,130 and Rs. 20,35,42,227 in the previous two years. This gave a rate of Rs. 94-8-0 per head of the population for the City, against Rs. 90-5-0 in the preceding year.

The total number of vehicles and animals taxed during the year (including those taxed under the public Conveyance Act, *viz.*, 2412) was 37,224.

For property and wheel tax 1,11,437 and 1,38,504 bills were issued respectively during the year. The amounts collected against gross total demands of Rs. 673.10 and Rs. 52.33 lacs were Rs. 567.71 lacs and Rs. 38.63 lacs which worked out to 84.34 and 73.82 per cent. of the net demand, respectively. The percentage of the total recovery to the total gross demand worked out to 83.58. The total outstanding at the end of the year was Rs. 119.09 lacs. Outstandings against private ratepayers at the end of the year stood at Rs. 54.26 lacs. This figure is exclusive of the amount of Rs. 23.15, lacs. involved in complaints against rateable values which were pending at the end of the year and Rs. 23.52 lacs being taxes for new proposals for revision under Section 167, issued in the last month of the year due to new constructions, additions, alterations, etc.

The total amount of exemption from General tax allowed in respect of different properties during the year came to Rs. 28.58 lacs, against Rs. 23.44 lacs in the preceding year. The increase was mainly due to exemption allowed to Government Hospital and Central Government properties.

The number of claims received for drawback and refund was 21 and 2,972 respectively against 18 and 2,462 in the previous year. Of these only 2,377 refund claims were admitted invoving an amount of Rs. 3.50 lacs. 2 drawback claims were admitted during the year.

1,977 complaints were received against change of assessment during the currency of the year and 1,914 against the original assessment. There were 56 appeals against rateable values.

## V—TOWN DUTIES AND ELECTIONS

**Town Duties.**

The gross realizations from Town Duties amounted to Rs. 92.95 lacs as against Rs. 96.23 lacs in the previous year. The net revenue during the year under report amounted to Rs. 72.76 lacs as against Rs. 71.71 lacs in the preceding year, and refund being Rs. 20.19 lacs as against Rs. 24.52 lacs in the preceding year. The decrease in refunds was due to the fact that no arrears of old claims were disposed of during the year, as compared with the preceding year. The fees for stamping sugar bags, tea cases etc., amounted to Rs. 1,00,547 as against Rs. 83,272 in the preceding year.

**Elections.**

Out of the four appeals filed by defeated candidates challenging the result of the General Elections held in 1952, two were allowed to be withdrawn and two were dismissed by the Chief Judge, Small Causes Court.

Supplementary Municipal Election Roll was prepared by enrolling 96 voters in accordance with the provisions of Section 21-B of the Bombay Municipal Corporation Act.

## VI—PUBLIC WORKS

Under the Re-organisation Scheme of the Special Engineer's Department sanctioned under Corporation Resolution No. 1147, dated the 13th December 1951 the former Works and Architectural Branches were amalgamated in one compact unit which now consists of two branches, *viz.* Maintenance and Construction. These two branches were placed under the control of the Deputy City Engineer.

### II—MAINTENANCE BRANCH

For the purposes of repairs and maintenance of Roads and Buildings including those belonging to the *ex*-Trust, the City was divided into 4 divisions. for maintenance.

**Repairs and Maintenance of Municipal and Ex-Trust properties.**

The total number of properties maintained during the year under report was 3,156.

The upkeep and maintenance of the buildings were carried out partly by contract and partly by departmental agency.

For purposes of repairs works by contract, the City was divided into two divisions each of which was entrusted to a separate contractor.

New Works and Special Repairs Works were carried out and the expenditure booked against them during the year amounted to Rs. 4,02,492.

The work on the Five Years' programme of heavy repairs and improvements to water supply at the *ex*-Trust Chawls as sanctioned under Corporation Resolution No. 2080, dated the 13th March 1950 was continued. Quotations for the work of gunite treatment to Mandvi Koliwada Chawls Nos. 1, 2 and 5 and Chandanwadi Chawl No. 1 were invited during the year.

Works of oil painting, colour washing and white washing were carried out against a provision of Rs. 60,000. As the provision was small, no separate 'C' Schedule was prepared but works were carried out under "Special Repairs."

The cost of maintenance kept up an upward trend. On account of the old age of these properties great difficulties were experienced in maintaining them.

### B—Construction Section

**Construction of buildings (other than Housing).**

On account of paucity of Loan funds, the programme of construction of new buildings was much restricted.

The following major works were completed during the year :—

(1) Fire Brigade Station at Worli.

(2) Additional floor over Ward Pavilion No. 2 at the K.E.M. Hospital at Parel.

(3) Additional floor over the school building at DeLisle Road.

The works of constructing a building for electrically operated Crematorium at Chandanwadi and a school building at Laxminarayan Lane, Matunga, were undertaken during the year and were in progress at the end of the year.

## B—Housing

There was no relief from the housing shortage in the City during the year. On account of unsatisfactory condition of Loan funds, the Municipal activities for providing housing accommodation were restricted to 140 tenements, 6 godowns and shops which were completed during the year. The work of constructing another 170 tenements was also taken in hand during the year and was nearing completion at the end of the year.

During the year under review, the following new works were carried out :—

(*i*) Squatters' Colony at Jogeshwari.
(*ii*) Extension of Squatters' Colony at Mankhurd.
(*iii*) 48 out of the total 114 tenements approved at Rajwadkar Street, Colaba.
(*iv*) Construction of 3rd Chawl at Palton Road.
(*v*) 64 temporary tenements on Municipal land at Dharavi.
(*vi*) Temporary tenements at Wadala (commenced at the end of the year).

Owing to the financial stringency, no progress could be made in respect of the following proposals :—

(*i*) Tardeo Flats at Mahalaxmi.
(*ii*) 144 tenements at Bapty Road Yard.
(*iii*) Staff quarters at D. P. Works.
(*iv*) Staff quarters at the Sewage Pumping Stations and Compressor Stations.
(*v*) Quarters for menials at the Municipal General Hospital, Sion.

No experimental houses were constructed during the year.

## III—PRIVATE BUILDING CONSTRUCTION

### (Including Setbacks)

**Private building construction.**

The total number of applications received for the construction of new buildings and for alterations to the existing buildings was 5,437 as against 4,391 during the previous year.

The number of buildings actually dealt with was 1,689 as against 1,990 during the previous year.

**Setbacks.**

Rs. 6,40,600-8-0 were spent on the acquisition of setbacks. The area of setbacks added to the roads during the year was 5,590 square yards at a cost of Rs. 99,475-9-0.

**Enforcement of Building Regulations.**

In all 10,111 notices under different sections of the Bombay Municipal Corporation Act were issued. Prosecutions were launched in 3,939 cases for non-compliance with the requisitions.

**Repairs to or removal of unsafe structures.**

4,509 notices under Section 354 of the Bombay Municipal Corporation Act were issued for repairs to or removal of unsafe structures, 3,288 of which were complied with and the remaining 1,221 were pending at the close of the year.

**Building collapses.**

The total number of building collapses during the year was 94 resulting in 42 persons being injured and one killed.

**Removal of huts or walls of inflammable materials.**

Action under Section 349 of the Bombay Municipal Corporation Act for removal of huts or walls of inflammable materials was taken in 305 cases. Out of these, 264 were complied with and the remaining 41 were pending at the close of the year.

**Sanction of the Standing Committee for the removal of unauthorised works.**

Sanction of the Standing Committee was obtained in 156 cases for removal of unauthorised works. The unauthorised works in 32 cases were removed by the parties and in 18 cases the works were removed departmentally. Out of the remaining 106 cases, in 4 cases the works were regularised and 102 cases were pending at the close of the year.

Removal of unauthorised projections.

The Corporation have under their Resolution No. 1809, dated the 20th March 1952 sanctioned enhanced rates of fees from 1st April 1952 charging the stall board projections on roads without footpaths at double the rates existing before 1st April 1952 with a proviso to double the fees every year thereafter and the cupboard etc., projection on cubical measurements. There was great agitation on the enhanced fees among the stall holders due to depression in trade who represented their case through their Association for revising the fees and the matter was under consideration.

Building activities.

1,413 buildings were inspected by Ward Staff in connection with the construction of new buildings, additions and alterations or repairs to existing buildings etc.

The total number of buildings constructed during the year was 520 (158 being residential and 343 being non-residential buildings constructed by private enterprise ; 15 by Co-operative Housing Societies and 4 by employers for their employees).

Cement Authorisation.

3,220 applications were received and authorisations aggregating to 3,051 tons and 14 cwts. of cement were issued.

Complaints from public.

4,085 complaints regarding structural defects, etc., were received. In 4,049 cases necessary action was taken and 36 cases remained pending at the close of the year.

House Numbering.

Plans in respect of properties, in A, B and C Wards have been approved by the Works Committee. The work of fixing number plates in A Ward is complete, that in B Ward is in progress and that of C Ward will be taken in hand shortly. The work of surveying the properties in D and E Wards is over and that of F and G is in progress.

R. C. C. and R. S. Codes.

The R. C. C. and R. S. Codes were approved by the Government under the Resolution No. 4311/33, dated the 17th April 1952 and the same would be available to the public at Rs. 4-8-0.

Traffic.

The construction of a foot-overbridge at Marine Drive in front of Mafatlal Swimming Pool was approved by the Corporation *vide* Corporation Resolution No. 1687, of 21st February 1952. The bridge will be thrown open to the public shortly after it is completed.

Zoning

The declaration prepared under the new Section 354 AA of the Bombay Municipal Corporation Act could not be published as Messrs. Crawford Bayley & Co., Solicitors advised amendment of the Section. The revised draft section has been forwarded to Government and as per Government's instructions, opinion of the Counsel General as to the legality of the proposed draft section *visa-a-vis* the Indian Constitution, is being obtained.

General Acute shortage of Housing Accommodation.

There was no improvement in the acute shortage of housing accommodation as there was no response from private enterprise for the construction of one or two room tenements required for low income groups. Unless this problem is tackled by Government and the Municipality there will be no change in the present position.

Dilapidated Houses in the City.

The owners were reluctant to comply with the Municipal requisitions on the ground of heavy cost involved on the repairs which could not be recouped under any circumstances under the Rent Act. The Municipality had, therefore, to be satisfied with the issue of notices, launching of prosecutions for non-compliance with the requisitions and authorising the tenants under Section 499 of the Bombay Municipal Corporation Act wherever they came forward to do so. In some cases departmental action had to be taken under Section 489 of the Bombay Municipal Corporation for pulling down dangerous portions or structures meeting the cost from the provision of Rs. 50,000 pending recoveries from the house owners concerned. In most of the cases contractors' bills were paid by the owners direct, but only in one case contractor's bill amounting to Rs. 2,100 was paid from the grant and efforts are being made to recover the amount. A further provision of Rs. 10,000 was sanctioned under the Municipal Commissioner's Discretional Contingencies to cover irrecoverable expenditure incurred on demolition and removal work. No expenditure was incurred from this grant during the year under reference.

Necessity of providing alternative accommodation for persons affected by acquisitions of setbacks and by pulling down the dilapidated buildings.

The acute housing shortage hampered the improvement and widening of narrow streets in congested localities. The setback lines were prescribed on majority of such streets but the setbacks could not be demanded for want of alternative accommodation to the dishoused persons. Unless this is done no effective action can be taken in this direction.

## DADAR PURIFICATION WORKS

The Sewage Purification Works at Dadar functioned satisfactorily throughout the year.

The total volume of sewage received at the Works, during the year, amounted to 4,073.53 million gallons *i.e.*, an average of 11.16 million gallons per day.

Activated Sludge Plant. This Plant functioned quite satisfactorily.

Digestion Tanks. The total quantity of sludge gas generated in the two digestion tanks during the year, was 38.8456 m. cubic feet. New gas distribution connections were given to 5 Hotels and Restaurants in the Dadar Bazar Area, 60 new tenements of the Dadar Co-operative Housing Society, 4 kitchens of the Male Students' Hostel of the G. S. M. College and to the newly opened Cancer Research laboratory.

The revenue realised by sale of gas, during the year, amounted to Rs. 78,490.

Gas engines. The two engines ran for an aggregate of 3,000 hours and generated 141,731 K.W.H. resulting in a reduction of Rs. 5,869-1-6 in the power bill of the B. E. S. T. Undertaking.

Sewage Works Laboratory. The sewage works laboratory examined about 7,000 samples during the year. In addition to the routine work, the Laboratory continued its research work on animal dung digestion. In view of the increasing activity of gas supply for domestic consumption, a new section of the laboratory was opened for testing gas meters according to standard specifications.

The work of filling the low lying land round about the 3rd extension Plant has considerably progressed.

A small Repairs Workshop shed is under construction. The machinery was purchased and will be installed shortly.

The total expenditure on power, stores, Laboratory establishment etc., for the Purification Plant, Sewage Pumping Station, Digestion Tanks and other gas utilization systems amounted to Rs. 2,30,780.

Sewage Purification Works—Dharavi. Messrs. Duncan Stratton & Co., Ltd., completed the civil and Mechanical work of the Sewage Purification Works, Dharavi. The plant was taken over by the Municipality. The plant will be brought into commission shortly.

## IV—DRAINAGE SCHEME

Dharavi Purification Works. All the remaining machinery was received during the year and duly installed. New Pumps were installed at Mahim Pumping Station for pumping sewage to Dharavi Works. This plant was ready for operation.

Love Grove Pumping Station. The two Sulzar pumps worked satisfactorily. R. C. C. ducts for conveying sewage to the steam pump were completed. Tenders were invited for the construction of detritus tanks and the duct following it.

## MECHANICAL BRANCH

### I—Pumping Stations

Lovegrove Pumping Station. The installation worked satisfactorily throughout the year. The average quantity of sewage pumped during the year, amounted to 57.95 million gallons daily. The total expenditure on the maintenance of this station was Rs. 2,46,138 as against Rs. 1,84,220 incurred during the previous year. The rate per million gallons of sewage pumped was about Rs. 9.7 as against that of Rs. 14 in the preceding year.

The average height of sewage in the detritus chamber was maintained at 71.5 T.H.D. The detritus removed was 1,280 tons as against 1,400 tons during the previous year.

**Dadar Pumping Station.**

This pumping station worked satisfactorily, during the year. The total quantity of sewage pumped amounted to 1175.48 million gallons or an average of 3.22 million gallons per day. The expenditure incurred in maintaining this station amounted to Rs. 2,30,780. The 4 new pumps already ordered out have arrived and the erection work will be taken in hand during the course of the next year.

**Matunga Pumping Station.**

This station worked satisfactorily during the year. The quantity of sewage pumped amounted to 3095.2 million gallons and the total expenditure incurred on its maintenance amounted to Rs. 43,272.

The work on the extension of this pump house progressed satisfactorily. The Civil Engineering Works have since been completed. The two new pumps, one of 6 million gallons per day capacity and the other of 3 million gallons per day capacity, on order, have been received and will be erected during the course of the next year.

**Mahim Pumping Station.**

This station worked satisfactorily during the year. The quantity of sewage pumped amounted to 1,168 million gallons and the total expenditure incurred on its maintenance amounted to Rs. 25,418. The two new pumps of 4.3 million gallons per day capacity for which an order was placed are under erection and will be ready for service, early next year.

**Jacob Circle Pumping Station.**

This pumping station worked satisfactorily throughout the year. The total quantity of sewage pumped was 2.525 million gallons. The expenditure incurred on its maintenance amounted to Rs. 43,708.

**The other eight minor pumping stations.**

These pumping stations continued to work satisfactorily. The total quantity of sewage pumped amounted to 879.65 million gallons and the total expenditure amounted to Rs. 52,043.

**Air Compressor Stations.**

The Air Compressor Stations at Victoria Gardens, Fergusson Road and Colaba worked satisfactorily.

The Warden Road Air Compressor and Auxiliary pumping station also worked satisfactorily. The new Slow Speed Rotary Air Compressor ordered for the Warden Road Air Compressor Station was received and installed.

**Ejector Installations.**

The 21 underground ejector installations, serving the Southern, Central and Northern areas of the city, continued to operate for lifting sewage from the low lying areas. These installations work on compressed air supplied by the four Air Compressor Stations detailed above. These ejectors have by now served their useful life. Further, most of the old stations were found to be inadequate to cope with the peak load flows of sewage reaching them. A programme has therefore, been prepared to replace some of the old ejector installations by electrically driven pumping stations, wherever feasible.

The total expenditure incurred on the maintenance of Air Compressor Stations and ejector installations amounted to Rs. 2,34,071.

**Floodgates.**

There are three floodgates and five dropgates at Love Grove, two floodgates with eight needlegates at Cleveland Bunder and three wooden needlegates at Dharavi.

The cost of maintenance of the floodgates during the year amounted to Rs. 5,092.

**Inspection of Factories.**

The total number of cases, for permits and licence, inspected and disposed of during the year was 352. 19 nuisance cases were also attended to.

**Motor Traction.**

The expenditure incurred under this head amounted to Rs. 10,57,514. There were 454 vehicles in commission during the year. Several new vehicles were purchased, during the year, to meet the growing requirements of transport. The construction of a central garage, near Worli, for garaging all vehicles at one place was deferred, due to financial stringency.

**Workshops.** The expenditure on the upkeep and overhead charges of the workshops amounted to Rs. 1,26,795, which worked out to 21.83 per cent. on the expenditure incurred on labour and stores used in the execution of works, during the year, as against 17.03 per cent. of the previous year.

Most of the work in connection with the installation of a Ferrous and Non-ferrous foundry in the Municipal Workshops has been completed and the foundry put into commission. The foundry is now turning out ferrous and non-ferrous castings at very competitive rates.

## SEWERS

**Roads, Drains and Sewers.** Road and Drainage works costing Rs. 13,04,891 were carried out during the year.

The work of main gravitation sewer in Sewri Wadala was completed during the year except 300 R.ft. of Ovoid Sewer. The work on improving the Sewage system in the City was continued during the year. The work of laying the Sewer along Grant Road was in progress.

## S. W. DRAINS

The work on Schemes for providing S. W. Drains as approved by the Corporation was continued during the year.

## ROADS

The permanent construction of Sleater Road was the only work carried out during the year under 'A' Budget. Similar works carried out under Budget 'B' are detailed in Appendix ' M '.

The works on (1) Sea Wall at Worli ; (2) Cutting of Section one of Worli Hill and (3) Swimming Pool at Shivaji Park to commemorate the memory of Mahatma Gandhi were completed during the year.

**Traffic Island.** Traffic islands were provided at important intersections during the year and total number of these traffic islands during the year was 94.

**Maintenance of roads and footpaths.** The total mileage of roads in the City at the close of the year was 280.891. 7.37 lacs of sq. yds. of road surfaces of different types were improved during the year. In addition to this, 657 works for other Municipal Departments and 411 works for private parties were carried out at a cost of Rs. 6.84 and 1.15 lacs respectively.

An expenditure of Rs. 0.21 lacs was incurred on the maintenance of different types of footpaths in the City. An area of 46,148 sq. yds. of footpaths was asphalted during the year.

**Benches, Street name boards, and public monuments.** Benches, Street name boards and public monuments were maintained satisfactorily during the year under report. The question of removal of the Statue of H. M. Queen Victoria was under consideration of the Government.

**Transport of Road material.** The Municipal fleet of lorries employed for the transport of road materials being inadequate, lorries were hired on contract upto a maximum requirements of about 35 to 40 vehicles per day.

**Income from fees for permits and ground rent, etc.** A sum of Rs. 1,39,656 was realised as road opening fees, ground rents or fees for temporary occupation of roads and footpaths as shown below :—

| | | Rs. |
|---|---|---|
| (*i*) Road opening fees | ... | 22,506 |
| (*ii*) Fees for stacking building materials, etc. | ... | 48,006 |
| (*iii*) Other permits | ... | 11,420 |
| (*iv*) Ground rent for miscellaneous occupation | ... | 57,724 |
| Total | ... | 1,39,656 |

**Tramways.** No additions were made to the total length of the tram tracks during the year. The B. E. S. & T. held a rolling stock of 360 single deck and double deck trams and trailers with total seating capacity of 29,946 persons.

**Street Lighting.** The total number of street lamps in the City at the end of the year was 11,638 showing an increase of 19 Nos. over these existing during the previous year. These lamps consisted of Gas, Electric and Incandescent Oil Lamps. The candle power consumed together with the expenditure incurred on street lighting is given below :—

| Kind of Lighting. | Candle power. | Expenditure. |
|---|---|---|
| | Rs. | Rs. |
| (1) Gas ... | 19,77,760 | 10,83,485 |
| (2) Electric ... | 8,09,162 | 6,06,704 |
| (3) Incandescent Oil Lamps ... | 41,600 | ... 41,825 |

As usual, Rs. 1,60,550 and Rs. 43,680 were paid to the Bombay Port Trust for lighting of wharves and roads in their charge by adjustment.

**Asphalt Plant.** During the year under report the Hot Mix Asphalt Plant continued to work by contract labour but the Pegson Asphalt Mixer was not worked owing to reduction in work. 1.39 lakhs of sq. yds. were treated with different methods of which 0.22 lakhs sq. yds. were renewed with 3" sheet asphalt.

**Crushers.** The Crushers at Sewri and Worli worked satisfactorily during the year. The total output of crushed metal during the year was 10,076 brass as against 10,276 brass during the previous year. The labour required for running the Crushers was obtained through contract.

**Private Streets.** Out of the 19 actions reported to be in progress during the previous year, 1 action under Section 377 (1A) was complete and 1 was dropped. 4 new actions [ 2 each under Section 305 and 377 (1A) ] were started during the year.

## DRAINAGE BRANCH

**Maintenance of Drains and Sewers.** The work of repairs and alterations to drains and sewers including the removal and replacement of manhole frames and covers, water entrances etc., was carried out as usual. The total mileage of pipe sewers and Ovoid sewers at the close of the year was 212.37 and 17.37 respectively of which 85.6 and 12.6 miles were cleaned during the year. The total length of storm water drains was 213.17 of which 13.18 miles were cleaned during the year.

**Water courses, catchpits, water entrances and street connections.** Water courses, catchpits, 20,795 water entrances and 61,004 street connections were cleaned during the year.

**Biological Installation at Banganga.** The installation was kept in working order at a cost of Rs. 3,773.

**Vent-shafts.** All the ventshafts which were 1,007 in number were maintained and kept in working order.

**Cleaning and Maintenance of open storm water drains.** The cleaning and maintenance of these channels were carried out at a total cost of Rs. 9,713 and the silt removed therefrom was 4,150.8 tons.

**Relieving arches at Falkland Road.** This work had to be held in abeyance during the year for want of funds.

**Sluices.** 27 sluices on sewers and S. W. drains were operated and maintained.

**Common House drains and House drains in private properties.** The work of cleaning these drains was continued during the year, particular attention being given to long common house gulleys in congested localities.

**Departmental and private works.** Departmental and private works amounting to Rs. 94,118-13-0 were carried out during the year.

**House connection.**

During the year, the work of issuing requisitions against the house owners for rectifying the defects in house drain fittings was continued as usual Prosecutions were launched for non-compliance with these requisitions. The total number of prosecutions launched was 478 of which 270 resulted in conviction of the parties concerned, the total amount of fines was Rs. 3,889-11-0.

The subvention scheme sanctioned under Corporation Resolution No. 257, dated the 21st June 1951 was continued during the year under review. This scheme, however, was deferred in respect of premises covered by the Town Planning Scheme for Mahim woods. During the year under review, conversion of 30 privies was effected.

## KURLA DEONAR RAILWAY WORKS

**Removal of Town refuse to Deonar.**

A quantity of 4,49,361 tons of refuse was transported to Deonar at a cost of Rs. 8,90,049 during the year under review. The increase in cost was partly due to the increased quantity transported.

**Unloading of refuse.**

The work of unloading refuse at Deonar continued to be in charge of Messrs. Anderson Dawn & Co.

**Rolling stock.**

The position of rolling stock was not satisfactory. A provision of Rs. 3,00,000 made in the Budget for purchase of new wagons could not be availed of for want of underframes of the wagons. It was decided to construct 20 refuse wagons by contract. The draft tender for this work was under preparation.

**General.**

No further area could be reclaimed during the year. The refuse was dumped over already reclaimed area to fill up the depressions caused by fire and rain. The total income realised from various sources was Rs. 76,660.

## CENTRAL PLANNING BRANCH

The Master Plan, approved by the Corporation under their Resolution No. 413, dated the 26th July 1948, was under consideration of the State Government and their decision thereon was awaited.

The work of the aerial survey of the Greater Bombay Region was carried out through the agency of the Surveyor General of Government of India as per Standing Committee Resolution No. 434, dated the 13th June 1952. A part of the work was completed and two sets of contact prints were received, delivery of the remaining prints etc., was awaited.

A thorough inventory with all details of the various industries in the Suburbs was made in order to evolve a workable Zoning Plan so as to check the unplanned and sporadic establishment of industries in the Suburban area. Each case was considered as regards possibility of its retention at the original site subject to certain conditions so as to cause as little inconvenience as possible to the industrialists. Wherever this was not possible, it was proposed to give sufficient time within which to shift to some industrial zone. This proposal was explained to the factory owners at a number of meetings held for this purpose. The matter is being investigated further.

The data for the planning of the Municipal Slaughter House to be established at Deonar was collected from various sources abroad and the preliminary scheme is under preparation. It was also proposed to shift the existing tanneries at Dharavi to a site near Deonar. No co-operation was forthcoming from the owners of the tanneries and further attempts were being made to induce them to supply the required information.

Estimates for the proposed road which involved a bridge over the harbour branch of the Central Railway leading to the two oil Refineries to be established in Trombay were prepared and sent to the Central and State Governments. The cost of the road construction is proposed to be shared equally between the three parties, *viz.*, the Central Government, Bombay Government and the Bombay Municipal Corporation.

The question of determining the alignment of the Railway Siding extending from the Refinery site to Kurla was taken up with the Railway Authorities and a number of meetings were also held. It was suggested to them that the Railway Siding should run above the road so as to cause no disturbance to the vehicular traffic. The matter is still under investigation and consideration of the Central Railway authorities and the Bombay P. W. D.

The total expenditure booked for the preparation of the Master Plan from the commencement, *i.e.*, 1st June 1947 upto the period ending 31st March 1953 amounted to Rs. 2,15,238. About 46 copies of the Report known as 'Master Plan Outlines, (at Rs. 7-8-0 per copy) and 41 copies of the Master Plan (at Rs. 2 each) were sold. Total amount from the sale of these copies came to Rs. 427 during the year.

## X.—SLUM SERVICE AND CLEARANCE

No progress was made during the year in respect of Slum Clearance Schemes as the draft Bill was not passed by the State Legislature.

The foot-overbridge in Kelewadi extension scheme was completed in February 1952.

The work of cutting a portion of Golanji Hill was carried out by the Contractor.

The work of arbitration proceedings in respect of Mandvi Town Planning Scheme was taken up *de novo* under the new Arbitrator. The whole area was kept under vigilant control to prevent contravention of the provisions of the Town Planning Act.

## XI.—PROPOSED TOWN PLANNING SCHEME FOR THE DEVELOPMENT OF MAHIM AREA

The Mahim Area covered by the provisions of the Bombay Town Planning Act, 1915, has been divided into three Schemes, *viz.*, Scheme Nos. 2, 3 and 4.

The work of carrying out Civic Surveys of the area was continued during the year.

*Town Planning Schemes (Bombay City) Nos. 2, 3 and 4*

The draft Scheme in respect of Scheme No. 2, as prepared in consultation with the owners and finally approved by the Corporation, was forwarded to Government for sanction. The draft Scheme in respect of Scheme No. 3 could not be published within the stipulated period of twelve months from 14th February 1952 owing to the magnitude of the work. The draft Scheme was almost ready and will be shortly submitted to the Corporation for their approval and submission to the State Government. The draft Scheme in respect of Scheme No. 4 was discussed with the Consultative Committee duly nominated by property owners falling in the area and the tentative draft Scheme was amended in accordance with the decision arrived at. As the area under the Scheme was large and the detailed work to be done was voluminous, the Government of Bombay have been approached to extend the period by six months.

312 Commencement Certificates, under Section 15 of the Bombay Town Planning Act, 1915 were issued for all the three Schemes during the year under report.

The total expenditure incurred in connection with the Schemes from the commencement of the preliminary work upto the end of the year under report amounted to Rs. 2,92,900 and that during the year under report amounted to Rs. 98,499.

## VAITARNA-CUM-TANSA SCHEME

### Major works in progress

*Vaitarna Dam*

(*a*) *Excavation.*—The work of major excavation was completed on 7th December 1952.

(*b*) *Drilling and Grouting.*—In order to consolidate the foundation rock and fill up all fissures, cavities, etc. 9,300 R.ft. of holes were drilled and grouted with cement at 40 lbs. per Sq. Inch.

(*c*) *Concreting.*—46,24,000 C.ft. of concrete was laid during the year.

(*d*) *Instruments in the body of the Dam.*—In order to study temperature gradients, 38 thermometers and 4 strainmeters have been installed.

*Concrete Testing Laboratory.*—Successful experiments were made to reduce cement contents in various classes of concrete and the compressive strengths were found to be higher than those required. Control was exericised on the quality of concrete laid from day to day. The laboratory carried out other works mentioned in the report.

**Power House.**

The Municipal-owned Power House of total installed capacity of 3,117 Kw. was in operation. The "Enterprise Elliot" Set shifted from Tansa was also erected and put in commission.

Most of the electrical energy was supplied to the Contractors for construction work, the remaining being used by Municipal Employees and petty establishments in the Camp.

The performance of the engines and alternators in the Power House wsa found to be satisfactory.

**Tunnels.**

Excavation of the remaining length of 700 feet of the tunnel was carried out and the concrete lining of the whole tunnel was completed. The excavation for the Tail Channel at Bel Nalla was continued. Grouting under pressure was done behind the concrete lining of the tunnels for a length of 19,970 R. ft.

The work of laying of 126″ pipe line between Tunnel Faces Nos. 2-3 and 4-5 was commenced by the contractors and an aggregate length of 99 feet was completed.

**Embankment and Pipe Line.**

The work of formation for laying 120″ dia. Pipe Line and road from Tunnel face No. 6 to Tansa was continued. The works from Tansa to Powai and Powai to Mahim were completed during the year.

Three out of four piers and one out of two abutments of the Bandra Bridge were completed.

About 5¼ mlies of pipe shells were fabricated and about 1¼ miles were laid in position out of the total length of 20 miles. The supply of steel plates was satisfactory.

A number of works were also carried out departmentally.

**Land Acquisition.**

Awards of compensation were declared in respect of about 1,595 acres out of 3,991 acres of land acquired. Moreover 193 acres out of 214 acres acquired temporarily tor camps, quarry sites, etc., have been restored to the land owners. The jungle in the water spread of the lake was also cleared. Proceedings for the acquisition and transfer of land for laying 96″ dia. pipe line from Powai to Mahim are in progress.

**General.**

Various amenities provided at Vaitarna Camp functioned satisfactorily. A direct telephone line was laid at a cost of Rs. 60,000, a part of the cost being borne by two contractors.

Data was collected with a view to future augmentation of water supply by river gauging and recording the rainfall.

The work of preparing a contour map was taken in hand by Messrs. Air Survey Co., of India Ltd., who checked some of the triangulation and ground survey points.

Eleven rain-gauging stations were established in the catchment area to collect data on rainfall.

**Tansa Dam.**

The work of strengthening the Tansa Dam by the "Coyne" method was started on 22nd December 1952 and some work done is shown in the report. Mr. A. Coyne has expressed satisfaction after inspecting the work.

## VII.—IMPROVEMENT TRUST AND MUNICIPAL SECTION

### 1.—ACQUISITION OF LAND

Acquisition proceedings were completed and vacant possession of the properties was obtained in respect of :—

(*i*) Scheme 77, Government land in C.S. No. 1/1505 and 2/1505 of Mahim Division for Housing Fishermen at Mahim Foreshore.

(*ii*) Scheme 6, Sion-Matunga Estate, Government land in C.S. No. 1/36 of Sion-Division for housing purposes.

(*iii*) Land at Khar bearing Survey No. 353 and 354A, Bandra Division for a sewage purification works.

(*iv*) Land at Bunderwadi for a Pumping Station at Bandra.

Acquisition proceedings in respect of the following properties required for Municipal purposes were in progress :—

(1) Land bearing C.S. No. 18 and 1/18 of Mahim Division for the extension of Hindu Cemetery No. 74 at Worli.

(2) Properties bearing C.S. No. 654 of Malbar and Cumbala Hill Division for a Municipal School Building, office and quarters.

(3) Land bearing C.S. No. 113, 69 part and 3/69 part of Colaba Division for a Municipal School and Fire Brigade Station.

(4) Land bearing C.S. No. 23 of Sion Division for a Municipal combined market at King's Circle.

(5) Land bearing C.S. No. 31 part of Sion Division for a municipal sewerage station.

(6) Property bearing C.S. No. 1/760 and 2/760 of Mazagaon Division for a Municipal Pumping Station for Chinch Pokli Area.

(7) Land bearing C.S. No. 1598 of Byculla Division for the extension of B. Y. L. Nair Hospital and Topiwalla National Medical College.

(8) Plots 371A and 371B at Chembur for Ward Office.

(9) 9 Acres of land near Chembur Station on Ghatkopar Mahul Road for Sewage Purification Works.

(10) Land at Versova road for a sewage purification works.

(11) 58 acres of land at Manbudruk Village which were already requisitioned for squatters colony at Mankhurd.

(12) 37½ Acres of land from Shri Jijeebhoy Byramji and 15¼ acres of land from Smt. Gomes at Mogra and Maja villages for squatters colony at Jogeshwari.

*Land occupied by Milch Cattle Stables in the City of Bombay for Public Municipal Purposes.*—In all, 30 properties were notified for acquisition. In two cases, awards were declared and in 14 cases awards were awaited. One property was withdrawn from acquisition as the area was found to be small and proceedings in the remaining cases were in progress.

*The following two properties were withdrawn from acquisition proceedings.*

(1) Part of C.S. No. 1/338 of Mahim Division admeasuring about 300 sq. yds. falling within the proposed 60' Road in the Mahim Development Scheme, since it came within the Town Planning Scheme Area.

(2) Parts of properties bearing Survey No. 297(1) and 298(1) on Bombay Agra Road near its junction with Begrami Road for purposes of a pumping station as it would be a costly proposition. It was therefore proposed to take over the Government land in the rear.

*Acquisition of Municipal Land by Government of India Departments*

(*a*) *Plots 103 and 140, Agripada West Estate acquired for Bombay Telephone Workshop.*—The Chief Judge, Small Causes Court who was appointed as arbitrator by Government awarded sum of Rs. 6,23,000 and Rs. 26,000 as lessor's interest to the Municipality with interest at 4 per cent. thereon from the date of acquisition *i.e.*, from 24th November 1943 to the date of payment and also costs amounting to Rs. 6,500.

(*b*) *Plots 113-114, Sion Matunga Estate (East).*—Government were still considering to acquire the reversionary interest of the Municipality as lessor.

(c) *Proposed acquisition by the Government of India of requisitioned Municipal plots in Sewri Wadala Estate Scheme 57, Plot Nos. 223-231; 238-246, 264-269, 275-284 and 296-299.*—The Municipal claim for the full value of the land was under consideration of the Additional Special Acquisition Officer.

(d) *A strip of land about 100 ft. in width in C.S. No. 6. of Sion Division* for the express Highways leading to the new oil refineries.

(e) *School property in Survey No. 104, Mahul for the oil refinery.*—Alternate site in Survey No. 90 with a building constructed thereon of like dimensions agreed to be given to the Municipality.

Plots Nos. 96, 117 and 118 part in Nowroji Hill Estate, Scheme 29 were requisitioned by the Government of Bombay for the State Transport Corporation.

## PROGRESS OF DEVELOPMENT SCHEMES

### Existing Schemes

*Scheme 57, Sewri Wadala South Estate.*—The revised layout of a portion of Roads No. 16, 17A, 18 and 33A with a proposed traffic island around Wadala Church and Plot Nos. 177 to 184 and the proposed straight bridge of 100' width over the Railway Lines in continuation of Road No. 16 of the same width was approved by the Corporation.

## CHANGES IN LAYOUTS

*Revised layout of Haji Ali Park, Hornby Vellard.*—Government sanction to the revised layout for Haji Ali Park Area for allotting a few plots for building purposes and reserving some area for housing middle and working classes and for the construction of a hostel and staff quarters for Topiwala National Medical College and for a public park was awaited.

*Layout of municipal land at the junction of Tulsi Pipe Line and Fitwala Roads.*—The proposal to extend Fitwala Road at right angles to Tulsi Pipe Road westawards upto Drainage channel was dropped. Instead, the area of the proposed extension was reserved for a public garden and to layout four plots for building purposes to the south of the proposed garden.

*Municipal land at Arthur Road.*—The proposal for the extension of Chaktachiwadi and diversion of Arthur Road to meet the lane at right angles for facilitating the flow of traffic and also the municipal land admeasuring 33.40 sq. yds. at their junction being laid out into four plots for building purposes was in view.

## CHANGES IN THE EX-TRUST AND MUNICIPAL ESTATES

The area of the permanently leased land increased during the year from 57.43 lacs sq. yds. to 57.58 lacs sq. yds. and the rent in respect thereof increased from Rs. 41.94 lacs to Rs. 42.12 lacs. The area of the developed land which remained to be leased was 2.18 lacs sq. yds. as against 2.23. lacs sq. yds. in the preceding year.

The area of undeveloped land was same as in the preceding year *viz.*, 52.15 lacs sq. yds.

Out of the total of 2,879 acres (acquired by the *ex*-Trust) about 37.4 per cent remained to be developed and out of the develped area 3.5 per cent. remained to be leased which included an area of 1,69,332 sq. yds. reserved for Municipal purposes.

## SLUM CLEARANCE

In Scheme 56, Dharavi, 64 S. P. Sheds were constructed during the year for accommodating the temporary tenants of the area marked for slum clearance.

## DIS-HOUSING AND RE-HOUSING

New residential accommodation made available by the lessees of the *Ex*-Turst Estate, Police Accommodation Scheme and housing schemes undertaken by the Corporation and Government during the year aggregated 254 tenements. The total number of tenements provided upto date in all the Trust Estates including those erected by the Development Department and the several Mill Company exceeded the total number of tenements demolished by 34216.

*Housing of squatters.*—The colony at Mankhurd was extended by requisitioning a further 7 acres of land and about 1,600 additional squatter families from the City were shifted to the Colony. Additional sanitary convenancies, roads and passages were also constructed during the year.

On account of acute unemployment among the squatters, some families left the colony and it was found necessary to give relief in rent by reducing it from Rs. 5 to Rs. 3-4-0 per month per site. A further relief of As. 4 per month by way of rebate was granted to those who paid the rents before the 15th of the following month to ensure regular payment.

Another colony at Jogeshwari was established during the year by requisitioning about 52 acres of land belonging to private persons. About 1,500 sites for accommodating 1,500 squatters families were laid out. The rent of Rs. 3-4-0 per site per month with a rebate of As. 4 per month for regular payment was fixed as at Mankhurd. A twenty feet main road along with 12 feet passages between rows of hutments was laid out. Lighting of the roads, construction of sanitary conveniences and water taps were arranged. Further amenties such as grain shops, school, hair-cutting saloon, milk shop restaurant etc., were also provided. Arrangements were made for a mobile dispensary to visit this colony twice a week as at Mankhurd.

Sanitation of both the colonies was well looked after and the areas kept free from malaria etc., by spraying D. D. T. etc.

## DISPOSAL OF LANDS

### Long Leases

The number of plots let out during the year was 11 admeasuring 14,923 sq. yds. and valued at Rs. 5,87,155. The total number of plots disposed of up to 31st March 1953 was 4,213 admeasuring 59,53, 705 sq. yds. and valued at Rs. 12,24,29,870.

### Short Leases

During the year under review, the demand from vacant land tenancies was Rs.7,31,134 and the recovery was Rs. 5,17,038. The Military Authorities did not pay the rentals in respect of certain areas as they had not received the awaited sanction from Government. The Collector of Bombay deferred the payment in respect of plots requisitioned by him on the ground that he claimed the same rentals as were charged to the Defence Department and disputed higher rates demanded on the basis of higher rentals obtainable from the permanent lessees of those plots.

For want of provision the Municipal General Hospital, Sion, did not pay the ground rent and the proposal for the payment of capital value of land to Budget 'B' was being finalised.

## 8.—MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE

### A.—Trust Section

*Ex-Trust Permanent Chawls.*—During the year a new chawl at Palton Road was constructed and let out to municipal staff who were shifted from the requisitioned buildings. The gross demand for the year was Rs. 10,64,154. The net demand excluding the amount of vacancies and concessions granted to public bodies and associations was Rs. 10,33,570. The amount actually collected came to Rs. 11,18,937 which was equivalent to 91.84 per cent. of the total amount recoverable including the arrears.

*Semi Permanent Sheds.*—64 rooms at Dharavi were newly constructed and let out during the year. The gross demand for the year in respect of 4003 rooms in S. P. Sheds including these new rooms was Rs. 4,08,639 and the net demand after making allowance for vacancies and concessions was Rs. 3,98,160. The actual collection came to Rs. 3,94,895 which was equivalent to 89.17 of the total recoverable amounts including the arrears. A major portion of the arrears was due from the tenants who had been allowed to occupy the newly constructed 70 rooms and 64 rooms at Sion and Dharavi respectively at a monthly rent of Rs. 20 per room. These tenants were shifted from old S. P. rooms where the rents were low. Legal action was being taken against defaulting tenants. The percentage of outgoings in respect of chawls and S. P. Sheds worked out to 78.69 and 71.84 respectively of the annual demand. The collection of rent in chawls amounted to Rs. 11,18,937. Deducting therefrom the expenses on account of outgoings amounting

to Rs, 8,13,316, the net income came to Rs. 3,05,621. The capital expenditure incurred on these chawls including the value of land amounted to Rs. 151.53 lacs. The Corporation are required to pay annually the interest and sinking fund charges aggregating to Rs. 8.8 lacs at the rate of 4.61 per cent. on the capital expenditure incurred prior to 1919-20 and 6.35 per cent. on the expenditure incurred thereafter. The net income after deducting outgoings was insufficient to meet this expenditure and thus there was a loss of Rs. 6,60,780 under the permanent chawls for the year under review.

### Salient Features

Bye-laws for maintaining sanitation etc., in municipal chawls and buildings were enforced and fines aggregating Rs. 1,128 were imposed and collected from the tenants for breaches of these rules. During the year First Aid Sets and Sick Room Requisities such as thermometers, Ice-bags, etc., were provid d at Mankhurd Colony for squatters. Two radio sets for Bombay Station with 15 watts amplifier with loud speaker arrangement were installed at Love Lane and Imamwada and the installation of a third set at Bellasis Road Chawls was awaiting a licence from the Police.

Prizes of Rs. 50 and Rs. 20 for maintaining the best sanitation in the chawls were awarded for the year 1951-52 to the best chawl Superintendent and the mukadam during the year. In order to encourage the sweepers to co-operate in the maintenance of sanitation, 10 prizes of Rs. 10 each for the best sweeper in each of the different groups of chawls were also awarded.

The requisitioned building known as Patel Mansion at Mint Road was released to the landlord during the year. The municipal tenants there were shifted to the newly constructed chawl at Palton Road.

486 plots agreed to be leased could not be handed over on account of temporary lettings and occupations thereon. Action was in progress to remove the same. The number of plots handed over but not built upon was 440.

Rules regarding construction of additional floors were further liberalised. During the year 32 lessees were granted permission for the construction of motor garages in the compulsory open spaces and additional floors were sanctioned in 45 cases. 498 cases of encroachments were detected. Construction of Dust Bins of the size of $2\frac{1}{2}' \times 2\frac{1}{2}' \times 2\frac{1}{2}'$ and watchmen's cabins $3' \times 3'$ (moveable wooden cabins for watchman) in the Compulsory open space of the plots of *Ex*-Trust and Shivaji Park Estates was permitted without charging extra rent or premium.

## VIII—WATER WORKS

**Water Supply.**

1. The total quantity of water supplied to the City and Suburbs during the year from the various sources was 43,553.00 million gallons, of which 30,792.40 million gallons were supplied from the 72" Tansa Mains, (84.36 million gallons per day), 5,256.00 million gallons from Vehar (14.40 million gallons per day) and 1,459.00 million gallons from Tulsi (3.99 million gallons per day). In addition to the above-mentioned quantity of water from Tansa, 6,045.60 million gallons were brought through the duct line from the same source (16.56 million gallons per day). The average supply per day was 119.31 million gallons, *i.e.*, 0.67 million gallons per day less than the supply of the previous year. The rainfall this year was normal but the monsoon was practically over by the beginning of September, and as such, the lake levels on 1st October 1952 were lower than the normal, thus extending the dry season by almost a month.

In addition to the total supply for the City and Suburbs, 156.60 million gallons were supplied to the Thana Municipality and 309.00 million gallons were supplied to other bodies outside the limits of Greater Bombay. The population as per 1951 census figures for the City and Sububrs was 28,42,116 and this worked out to a quota of 41.87 gallons per head per day for all purposes. The approximate quantity of water used for various purposes on percentage basis was 7.30 for mills, 4.03 for railways and Port Trust, 2.18 for industries, 56.45 for domestic supply, 7.21 for other purposes such as drainage and sewage, milch cattle and old stables, 16.33 for gymkhanas play-grounds, race-course, laundries, lodging and boarding houses, restaurants, hotels, fire purposes, road watering, gully flushing, etc.; and 6.60 was wasted due to leaks and other unaccountable losses.

**Bursts and leaks on Trunk Mains.**

2. There were no major bursts on the trunk mains. There were 18 heavy leaks and 1,222 minor leaks on the trunk mains and 19 leaks on the duct and syphon lines. All leaks were promptly repaired.

3. Out of 118 miles of steel mains, 13 miles 1,598 feet were painted during the current year.

**Painting of Steel Mains.**

4. 118 miles of embankment and cutting including the trolley track were maintained during the year. The work included repairs to 14 culverts, 8,601 square feet of stone pitching, and 49,025 cubic feet of earth filling.

**Embankment and culverts.**

5. Rolling stock consisting of 2 locos, 6 heavy-type and 8 light-type motor trolleys were maintained during the year.

**Rolling Stock.**

6. The work of providing concrete blocks under the steel mains was being carried out under two separate contracts and was nearing completion. Under these contracts, a length of 9 miles of pipe-line would be brought on blocks, bringing the total length of steel mains on blocks to-date to 13 miles.

**Providing Concrete Blocks under Steel Mains.**

7. The entire supply through the Tansa 72" mains and the Vehar mains was sterilized by Chloramine Treatment (ammonia sulphate and liquid chlorine at the Chlorination Plant at Powai). The rest of the Tansa Supply through the duct was chlorinated at Ghatkopar, while the Tulsi supply was treated with liquid chlorine and alum at the head works in addition to filtration. The total cost of chlorination was about Rs. 2,75,000.

**Sterilization of Water Supply.**

8. Six venturi meters for recording discharges of water through the mains were maintained in working condition.

**Venturi Meters.**

9. The number of visitors to Tansa and Vehar lake gardens were approximately 5,000 and 80,000 respectively. About 15 rustic pattern umbrellas with seating accommodation were constructed at various sites, adjoining the dam and the waste-weir. Besides this, circular concrete plinths were provided at the bases of large sized trees to serve as resting places. Two old structures were remodelled into dak bungalows and two summer houses were constructed. Two pedestral-type basins were also provided at convenient places to serve as additional drinking facilities.

**Visitors to the Lakes.**

10. As stated last year, the generating set for Tansa was ready for delivery with the firm and the same will be erected shortly, after the swtich-board is ready.

**Lighting Set.**

A new accumulator set of 60 cells of batteries recently purchased for Tansa was installed and put into commission.

11. Five dispensaries were maintained with the help of one Medical Officer and four compounders. During the year, 12,943 patients were treated as against 11,747 during the last year.

**Medical Aid.**

Malaria, anaemia, worms, diarrhoea, dysentry, bronchitis, skin diseases and accidental injuries were the common diseases for which the employees were treated. A few unsuspected cases of leprosy detected by the Medical Officer were referred to the Ackworth Leper Home for treatment. Strong anti-malarial measures were being taken and it was found that the incidence of the disease had largely decreased. All the municipal employees were given prophylactic doses of paludrine tablets against malaria, especially during the months of September to January.

The travelling dispensary was also in use. During the year, as an epidemic of small-pox was raging in the suburbs, all the municipal employees in the northern division were vaccinated against it. A microscope, dental instruments, steel cupboard, steel cots were added to the dispensary equipment during the year.

11-A. The Labour Welfare Centres which were opened at Delisle Road for inside city and at Ghatkopar for outside city continued during the year. Both the centres were equipped for indoor and outdoor games and amenities. Educational film were also shown at the meetings. Annual functions were held at both these centres and were well attended by the staff.

**Welfare Centres.**

**Distribution of Water in the City.**

12. For distribution purposes, the City is divided into three main divisions, *viz.*, (1) south and part of west supplied from Malabar Hill Reservoir (2) part of east of Bombay supplied from Bhandarwada Hill Reservoir and (3) north of Bombay supplied directly from the trunk mains.

Though the rainfall was satisfactory at the beginning of the monsoon, it stopped early, with the result that the water in the lakes had to be made to last through a longer dry season than usual. The general supply hours had, therefore, to be reduced to about six hours per day (from 5 to 7-30 A.M. ; 5 to 5-30 P.M. and 8 P.M. to 11 P.M.). The demand in the City and Suburbs increased considerably and as the quantity available for distribution remained the same, there was a gradual fall of pressures throughout the city. The early advent of the hot season, from the beginning of February, aggravated matters further. Extraordinary operations to regulate the supply had to be resorted to in order to afford some relief to the localities that suffered most.

**Short supply complaints.**

13. Short supply complaints received and attended to during the year were 16,461 as against 15,711 during the previous year. The increase was due to low level in the lakes and the curtailment of supply. As meters have been provided to all new and some of the existing residential buildings, frequent choking of meter strainers was also one of the causes of the increase in complaints.

Suggestions for improvement of supply were made in 1,580 cases and Municipal Commissioner's notices under section 271(2) and 274(1) were issued in 511 cases. 441 prosecutions were launched during the year and fines amounting to Rs. 3,424 were recovered. Besides the notices under section 271(2) and 274(1), 4,177 notices were served on the owners for defects in water fittings on private premises and 462 notices for infringement of the provisions of the Municipal Act. Arising out of these notices 462 prosecutions were launhed and the number of convictions obtained was 313 and the amount of fines recovered was Rs. 4,303.

**Amalgamation of Meter and Ordinary Branches as per Ibcon's Report.**

14. As advised in Ibcon's Report, the meter branch was being gradually amalgamated with the distribution branch. In 5 Wards, amalgamation had taken place completely. The administration work of the distribution and meter branches continued to be under three Assistant Engineers, *viz.*, the Assistant Engineer Distribution, the Assistant Engineer Waste Prevention and the Assistant Engineer Meters. The Assistant Engineer Distribution continues to be in charge of the regulation and distribution of water supply to the whole of the City.

**Checking wastage of water.**

15. The total length of mains below 9" tested by Deacon meters was 307 miles as against 272 miles during the previous year. The number of defect notices issued was 4,559.

The number of leaky taps rewashered by the staff of this department was 46,553.

**The anti-waste campaign.**

16. The Anti-waste Campaign was intensified during the year. 2,000 litho posters in Marathi were got printed for distribution to public institutions and display in schools, etc. A number of posters were prepared by the screenography process for display in the City's trams and buses. 1,00,000 stamps were also printed by litho process for affixing correspondence to various parties. The stationery forms used for official correspondence were also printed with the "How Water is wasted" slogan.

The local station of the All India Radio arranged for special documentaries in English, Marathi and Gujarati, calling for public co-operation in the matter of water care.

Educational and technical films were screened for the members of the staff by courtesy of the British Information Services.

**Meters.**

17. 7,241 meters of sizes varying from ½" to 8" were maintained during the year and the revenue derived from water supplied by meter measurement was about Rs. 1,06,67,420 for the City, the revenue during the previous year being Rs. 94,11,278.

217 new properties were metered during this year.

**Water connections.**

18. 1,369 new connections were made during the year and 176 connections were cut off on account of demolition of old buildings and for other reasons, bringing the total number of connections in the City to 58,595.

**Maintenance of Water Mains and Hydrants.**

19. 409.57 miles of water mains were maintained during the year. 32 bursts on various mains were promptly repaired. 25,627 works pertaining to communication pipes, fire hydrants, road surface boxes, clearing of chokes in service pipes, etc., were attended to.

**Testing of meters and water fittings.**

20. During the year 6,313 municipal meters of different sizes and 416 private meters were tested. The revenue derived from testing of water meters amounted to Rs. 5,322.

The total number of pipes and fittings tested during the year was 2,75,207 out of which 1,91,968 were for private parties.

The revenue derived from the testing of pipes, fittings, etc., sent by private parties amounted to Rs. 26,943-13-0.

**Purchase and Repairs of Meters.**

21. 1,983 new meters, of sizes varying from ½" to 8" were purchased during the year.

During the year, 7,398 repair jobs pertaining to meters were carried out.

**Cleaning of communication pipes and consumers' pipes and fittings.**

22. 1,195 communication pipes in F and G Wards were cleaned during the year. Also 841 connections aggregating 2,09,066 feet length of consumers' pipes were also cleaned in the Dadar-Matunga areas during the year.

**Cleaning of Meter Strainers.**

23. 2,107 meter strainers were cleaned during the year by the staff specially maintained for the purpose.

**Cleaning of Service Reservoirs.**

24. During the year, all compartments of the Malabar Hill Reservoir were cleaned at a cost of Rs. 3,500.

**Kamala Nehru Park.**

25. A new park named Kamala Nehru Park (named after the departed wife of our beloved Prime Minister) was laid out on the plot of land formerly comprising the Bishop's Lodge at Malabar Hill. The park has novel features particularly for children in the form of an aviary, a summer house, an aquarium, a playing fountain and a large structure representing an 'Old Woman's Shoe'. The garden was opened by Sir Girja Shankar Bajpai, Governor of Bombay, on 23rd December 1952 before a large gathering of prominent citizens, officials etc. India's Prime Minister, Pandit Nehru, visited the Garden on 13th January 1953.

**Loan Works.**

26. About 11,721 feet of mains of different sizes varying from 3" to 36" were laid during the year. In addition, 23 stand post hydrants, and 6 pressure gauge boxes were erected and 166 house connections were transferred.

**Works for private parties and sister departments.**

27. Private works aggregating to a laying of 1,111 R. ft. of mains of sizes varying from 3" to 12" were executed during the year mostly for industrial purposes. Miscellaneous works for sister departments were also carried out.

**Building Repair Works.**

28. 93 structures belonging to this department inside the city were attended to and maintained out of the grant for repairs and paintings to water works buildings in Bombay.

**Works out of the provision under II.—Extra-ordinary.**

29. The following works were carried out from the provision under II.—Water Works, A.—Maintenance, IV.—Repairs and Maintenance (*b*) Extra-ordinary; (1) Structural alterations in the Souter Street quarters; (2) Structural alterations to Babula Tank quarters; (3) Alterations to the sanitary block at Babula Tank Office; (4) Providing additional accommodation in the chaviwalla's quarters at Babula Tank.

**Survey and Design Branch.**

30. Several proposals for the improvement of the City's Water Supply were made. In this connection 80 estimates, 117 drawings and 3,300 blue prints were made. The total cost of works involved was estimated at Rs. 29,01,464. 934 cases of compounded water charges were framed resulting in a total revenue of about Rs. 1,52,000 as against 1,98,800 in the preceding year. A library consisting of engineering and other technical books was maintained. Various records pertaining to the Water Works department were also maintained by this branch.

**Standards Branch.**

31. The Standards Branch created for the purpose of implementation of the report of Messrs. Ibcon Ltd., for the re-organisation of the departments continued its work. The total reduction effected so far is of 465 men both superior and sub-ordinate amounting to a saving of Rs. 4,25,040 per annum approximately.

**Repairs to Kasheli Bridge (South).**

32. The work of repairing New Kasheli Bridge (South) was taken in hand during the year. 14 central piers of the bridge, whose condition under water was found to be unsatisfactory due to tidal action, were repaired by providing a one foot thick protective coat of concrete around the surface of each pier. Holes were drilled at staggered intervals and one inch steel rods were grouted in the existing piers to serve as binding keys for the new concrete. For further security, a circular cage of concrete with steel mesh reinforcement was provided on the periphery of the protective coat for the full depth of the pier. The work will be completed before the monsoon.

**Repairs to Tansa Duct.**

33. After completion of the extensive repairs to the Duct Line at badly affected places in the previous year, it was decided to do some additiona work in miles 5 to 7 where minor leaks had developed badly. As the duct could not be isolated for a long period, 50 masons working night and day were engaged by the contractors, to complete the work within a short period of five days. This being an additionl work, the cost of the same was met from contingencies of the sanctioned estimate.

**Burying the 57" Tansa and 24" Tulsi Main at Santacruz Aerodrome and diversion of trolley track.**

34. The work of diverting and burying the two 57" Tansa Mains and 24" Tulsi Mains for a length of 4,320 R. ft. which had become necessary on account of the Government Programme of expansion of the Santa-Cruz Aerodrome to bring it upto International Standards was in progress.

One new 24" hume steel main and one new 57" hume steel main were laid in this new alignment approximately 100 feet to the west of the old alignment and parallel to it and joined to the existing pipes at the two ends. Then the old 57" pipe line was removed and after guiniting, laid in the new alignment as the second 57" main.

The work also included the laying of 4,320 R.ft. of 96" diameter steel main in connection with the Vaiterna-*cum*-Tansa Scheme. Of this length 3,800 R.ft. were laid by the end of March 1953.

The work of the diversion of the trolley track around the western boundary of the Aerodrome was carried out by the Government under municipal supervision during the year.

**Extension of Workshop in the Maintenance Yard.**

35. From the provision of Rs. 30,610 provided in the loan works budget, the work of extension of the municipal workshop at DeLisle Road was completed. A high level tank for meter testing was also constructed.

**Repairs to leaky water fittings in private premises.**

36. During the year, about 1,338 cases of repairs to private water fittings were carried at a cost of Rs. 17,266.

**Guiniting the steel mains inside the City.**

37. A length of 2,670 feet of the mains were gunited during the year under review, thus making the total length of the portion gunited 3,670 feet.

**Kalbadevi and Fort Outlets.**

38. The work of laying the two 48" outlets from Malabar Hill Reservoir to the Kalbadevi and Fort areas was continued during the year under report. 3,640 feet of 48" main, 387 feet of 36" main and 31,255 feet of 30 main were laid departmentally during the year under review.

2,740 feet of 48" mains were laid by contract in Chowpatty sands.

For the above works, quota certificates for the full quantity of steel required *viz.*, 1,700 tons were received from the Iron and Steel Controller, Calcutta.

Extension of Control Room at Malabar Hill Reservoir.

39. The work of extending the Control room at the Malabar Hill Reservoir was in progress and was nearing completion.

## IX—BOMBAY FIRE BRIGADE

Fire Brigade:

During the year, the total number of Fire Stations continued to be 10 till October when a new fire station was opened at Worli. No new stations were opened in the newly added suburban area, but the work of constructing a Fire Station at Andheri was started in January.

The Fire Brigade Department had 19 motor pumps (all fitted with first Aid appliances), 5 trailer pumps, 2 turntable ladders, 1 motor emergency tender, 50 ladders of various types with other special gears for fire-fighting and attending to special services.

The number of calls received was 1,154, of which 838 calls were for 608 actual fires, as against 1,729 calls, of which, 1,266 calls were for 634 actual fires, during the last year. The estimated loss caused to properties damaged by fire was Rs. 53.17 lacs as against Rs. 59.32 lacs in the previous year. Of this loss, Rs. 20.40 lacs was covered by insurance. The total value of the properties involved in fires was Rs. 36,48.25 lacs as against 20,65.42 lacs in the preceeding year.

The total number of Fire Alarm Posts including Private Fire Alarms in the City was 204 and 57 per cent. of the total calls were received through this system.

Ambulance Service

The ambulances attended 1,360 calls for accident, 2,053 for maternity and 3,311 for hire, removing a total number of 6,640 persons as against 1,442, 1,824 and 3,268 calls respectively, removing 6,394 persons, in the previous year. The receipts for the year through hire amounted to Rs. 18,778 as against Rs. 18,296 last year. First aid was renderd by Ambulance Staff on 117 occassions as against 229 in the previous year.

## X—PUBLIC GARDENS

During the year under report the department maintained 90 sites consisting of 19 gardens, 4 fountains, 3 band-stands, 7 traffic islands, 4 open spaces, 49 recreation grounds, 1 statue and 3 box hedges. It also maintained and planted 1,347 new trees on the roads and in the gardens. One more playground situated opposite the Bombay Young Men's Christian Association, Proctor Branch, Byculla, and a box hedge at Mahim Causeway were taken over under the charge of this Department during the year.

There was an appreciable increase in the number of visitors to the Victoria Gardens due to additions of several new varieties of birds and animals, daily radio music programmes, and several amenities introduced in the children's corner which was fitted with playing apparata.

There were 27 band programmes, 30 Indian vocal music programmes, 22 orchestra programmes and 234 radiogram music programmes at different gardens and band-stands. The directed games at Master Tank, the Wellingdon Memorial Playground, the Reynolds Road Playground and at the 2nd Peerkhan Street continued to be popular.

Botanical specimens were supplied to educational institutions as usual. The Grow More Food Campaign was discontinued this year.

Breeding of animals, birds and reptiles, was gradually increasing due to many improvements effected in housing arrangements. By way of profitable exchanges with the Foreign and Indian Zoos, interesting specimens were added to the Zoo. In addition to the Rhinoceros, the Hullock Gibbon presented by Shri Peter Rhiner was a great attraction.

Breeding and maintenance of Laboratory animals for the Municipal Medical Colleges was being regularly done.

The expenditure of the Garden Department during the year under report was Rs. 4.79 lacs, as against Rs. 6.01 lacs last year, and the income was Rs. 25,356-12-9 as against Rs. 19,683-2-3 during the preceding year.

## XI—VICTORIA AND ALBERT MUSEUM

The Museum remained open for 305 days as against 299 days during the previous year. 10 5 lakhs visitors visited the Museum as against 9.02 lakhs during the previous year. The daily average was 3,444 as agaist 3,014 during the previous year. 15,520 students of Primary Schools visited the Museum during the year as against 11,565 during the preceding year. The total amount realised by sale of 2,95,467 tickets was Rs. 9,233-5-6 as against Rs. 8,329-11-6 by sale of 2,66,551 during the previous year. 22 books were added to the Museum Library, out of which 3 were presented. 18 specimens were added to the collection at a cost of Rs. 651.

## XII—MUNICIPAL LIBRARIES

The total number of books purchased during the year under report was 521 as against 721 during the previous year, and the amount spent thereon was Rs. 1,572 as against Rs. 2,048-11-0 in the previous year.

All books purchased were accessioned, classified and catalogued.

The number of visitors during the year was 2.49 lakhs against 2.66 lakhs during the previous year. Income and expenditure over the 14 libraries during the year under report were Rs. 1,841 and Rs. 48,003 as against Rs. 1,525 and Rs. 42,077, respectively, during the previous year.

## XIII—CENTRAL STORES

Tenders were invited for the purchase of stores during the year 1952-53 in 169 cases as against 157 in the preceding year. During the year about 10,674 tons of cement worth about Rs. 11.08 lakhs; 3,81,580 R.ft. Black and Galvanized iron pipes worth about Rs. 3.67 lakhs ; 1,13,326 R.ft. Cast Iron and Hume Pipes worth about Rs. 8.96 lakhs, 1541 tons of iron materials worth about Rs. 7.09 lakhs, 3,19,372 yards of cloth worth about Rs. 3.85 lakhs, and 7,860 Bengal Maunds of grain for the Head Supervisor and Superintendent of Gardens, worth about Rs. 1,46,041 were purchased. Most of the materials were controlled articles, which could only be acquired under licences granted by the various Government Departments.

The total purchase effected during the year including the articles received on Return Stores Mema from the Municipal Departments amounted to Rs. 68.30 lakhs as against Rs. 59.15 lakhs in the preceding year. The increase was due to the higher demand for the supply of the materials. The balance of stock on hand on 31st March 1953 was worth Rs. 38.49 lakhs as against Rs. 26.88 lakhs in the preceding year.

The total number of orders placed with the contractors and other dealers was 5,279 as against 5,311 in the preceding year. The number of indents, inclusive of Sales Mema received from the departments was 44,418 as against 46,061 in the preceding year.

Most of the articles purchased during the year were of Indian manufacture and the value thereof amounted to about Rs. 63.28 lakhs. The value of foreign goods purchased amounted to about Rs. 5.02 lakhs. As in the previous years no dust bins were issued to the public.

The total turn-over of the department, *viz.*, Receipts and Issues of stores came to Rs. 125 lakhs as against Rs. 114.35 lakhs in the preceding year.

The stock of stores was verified but no case of any appreciable difference in stock was noticed. The abnormal conditions created by the war reacted sharply on the department during the year as before. The rates quoted in the annual tenders for the year 1953-54 invited in the months of November and December 1952 were considerably higher than the market rates and some of the tenders had to be rejected.

Apart from the scarcity of materials, the various control orders aggravated the difficulties of the department and increased its work enormously.

The department, however, successfully encountered these difficulties.

## XIV—LICENCES

**Licences**

The number of Permits and Licences, *viz.*, 36,649 issued and transferred during the year exceeded by 1,703 those issued and transferred during the previous year. These permits an licences realised fees of Rs. 10.25 lacs as against Rs. 9.75 lacs in the preceding year. 1,959 Notices of Demand were outstanding at the end of the year and fees therefrom amounted to Rs. 1,20,310. The corresponding figures for the previous year were 274 notices and Rs. 9,177 respectively. This year the loss of revenue incidental to disuse or demolition of old licensed places amounted to Rs. 0.52 lac as against Rs. 0.38 lac in the previous year.

**Sky-Signs and advertisement**

The total number of permits issued for exhibiting sky-signs and advertisements was 2,908 which realised Rs. 2,91,400 as revenue while the corresponding figures for the years 1950-51 and 1951-52 were 2,563 and 3,358 and Rs. 2.46 lacs and 4.13 lacs respectively.

**Hawkers and squatters**

The total number of hawkers and squatters licences issued during the year was 35,985 as aginst 44,635 and 43,761 in the years 1950-51 and 1951-52 respectively. The fees realised were Rs. 3.89 lacs aginst Rs. 3.51 lacs and Rs. 3.47 lacs in the years 1950-51 and 1951-52 respectively.

**Prosecutions**

During the year, the Licence Department instituted 2,535 prosecutions for offences under Sections 328, 328A, 394 and 412-A of the Municipal Act as against 2,802 in the previous year. The total amount of fines inflicte was Rs. 27,914 as against Rs. 83,728 of the previous year.

## XV—SHOPS AND ESTABLISHMENTS

*Registration.*—The total number of establishments as on 31st March 1953 stood at 78,805 as against 75,682 on 31st March 1952. The Registration Fees, etc., this year amounted to Rs. 15,564-0-0 as against Rs. 15,231-14-0 for the preceding year. Government were requested to enact suitable amendments requiring employers to notify changes only once a month or so instead of within 7 days as laid down under Section 8 of the Act. Government by their notification, extended the period to 30 days. The necessity of annual registration was also stressed but nothing had been done with regard to this.

*Inspection and Prosecution.*—During the year under report, 67,894 visits were paid to various establishments and 2,385 complaints were received in addition to 104 pending from the preceding year. For checking of large areas 270 mass-raids were carried out. In all 2,888 prosecutions were instituted during the year in addition to 502 cases pending from the last year. Of these, 2,369 cases were disposed of realising an amount of Rs. 85,414-8-0 as fines, 7 cases were withdrawn, and 80 resulted in acquittals leaving 1,021 cases pending at the close of the year. Out of 80 acquittals, 77 cases resulted in acquittals as they were time-barred. The Municipal Commissioner has been authorised to sanction prosecutions under Section 60(1) of the Bombay Shops and Establishments Act, 1948 as per the Bombay Shops and Establishments (Amendment) Act, 1952.

*Grant-in-aid.*—The Grant-in-aid received from Government for the year 1951-52 was Rs. 79,862-0-0 and an amount of Rs. 15,231-14-0 was realised by way of Registration Fees, etc., during the same year. The total expenditure incurred on the administration of the Act during the year 1951-52 was Rs. 2,78,374-0-0.

*Theatre Tax.*—The Theatre Tax Section continued to function under the supervision and control of the Chief Inspector, Shops and Establishments for the purpose of recovery of the Theatre Tax. The Corporation sanctioned the levy of Theatre Tax for the year 1952-53 at the rates as per Schedule which were the same as in the preceding year. The Municipal Commissioner allowed for the year under report also a rebate of 12½ per cent. and 20 per cent. for Class I and Class II Cinema Theatres respectively, subject to their paying the Tax in advance for the full month on/or before the 5th of the month.

There were in all 22 Class I and 34 Class II Cinema Theatres in the City. The Tax was also recovered in respect of Dramas, Dances and Variety Entertainment programmes where admission was on payment. Exemption from payment of the Tax was granted to the performances that were exempted from payment of Entertainment Duty.

The total income realised during the year 1952-53 was Rs. 6,89,366.

## XVI—MARKETS AND SLAUGHTER HOUSES

**Receipts.**

The revenue from the Markets and Slaughter Houses was Rs. 36.16 lakhs as against Rs . 34.12 lakhs in the preceding year, showing an increase of Rs. 2.04 lakhs which was due to the increase in receipts from stallage charges, squatter fees and Arthur Crawford Scale-Shed fees.

**Municipal Markets.**

The number of Municipal Markets in the year was 21 *i.e.*, same as in the preceding year, including three squatters' areas at Sandhurst Road, Nowroji Hill Road and Parel Village and the net receipts from them amounted to Rs. 17.98 lakhs as against Rs. 16.95 lakhs in the preceding year showing an increase of Rs. 1.02 lakhs. The average percentage of vacant stalls per quarter was 7.07 as against 6.0, 8.13 and 6.45 respectively in the preceding three years. The total receipts from stallage charges, squatter fees, scale-shed fees and licence fees, etc., amounted to Rs. 25.23 lakhs, as against Rs. 23. 24 lakhs in the preceding year.

**Private Markets and Slaughter Houses and Outside Meat Shops.**

The number of Private Markets during the year was 21 and that of Private Slaughter Houses, one. The licence fee realized from them was Rs. 72,860-6-0 as against Rs. 77,605-11-0 in the preceding year.

The number of outside meat shops during the year under report was 185 as against 186 in the preceding year and the fees realized in respect of them were Rs. 11,984 as against Rs. 12,006 in the previous year.

**Unwholesome articles of food and contraband meat, etc.**

The total quantity of unwholesome articles of food such as meat, fish, fruits, vegetables, etc., and the contraband meat seized and destroyed was 6,81,088 lbs. as against 6,36,451 lbs. in the previous year. In all 181 seizures were effected for contraband meat and 176 prosecutions instituted with the result that 176 persons were convicted. In all 489 raids were carried out by the special staff to detect unauthorized slaughter of animals in the City. The number of animals seized was 235 and the amount realized by selling the animals by auction was Rs. 10,861-2-0.

**Municipal Slaughter Houses.**

The total number of animals slaughtered at the Bandra Municipal Slaughter House was 13,26,639 as against 13,46,875 in the preceding year.

The slaughter and removal fees realized at the Bandra Slaughter Houses together with the slaughter fees at the DeLisle Road Sheep Market and the Pig Slaughter House amounted to Rs. 5.96 lakhs, as against Rs. 6.02 lakhs in the previous year. During the year under report, the work of collecting fees at the Arthur Crawford Scale-Shed was carried out departmentally and the revenue collected therefrom amounted to Rs. 4.66 lakhs as against 3.25 lakhs realized last year by the sale of the right.

## XVII—K. E. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE

The Hospital was visited by a large number of foreign distinguished visitors during the year 1952. The number of beds for men, women and children at the Hospital was 510 as last year. The construction of a ward out of the donation from the Reserve Bank of India was completed but could not be opened for want of equipment.

The total number of in-patients admitted during the year 1952 was 19,674 as against 19,148 and 19,792 in the previous two years. Out of the total number of 20,264 in-patients, including 590 patients of the previous year, 7,247 were cured, 7,353 were discharged as relieved, 3,187 either prematurely left the Hospital or were otherwise discharged and 1,863 died (exclusive of 2 still born) leaving abalance of 614 at the end of the year.

The maximum number of in-patients on any single day was 663 and the daily average worked out to 610.25. The average number of days each patient was resident was 11.02 as against 11.50 days in the previous year. The total number of 1,66,812 new out-patients treated during the year as against 1,56,888, showed an increase of 9,924

patients. The total out-patients attendance including casualty patients during the year was 570,742 as against 559,901 which gave a daily average of 1919.3 as against 1,890.2 of the previous year. The highest out-patient attendance on any one day was 2,601 as against 2,649 in the previous year, while the corresponding figures for new out-patients, indoor admissions and casualty cases was 691,80 and 186 respectively. During the year 8,955 operations were performed on indoor patients and 23,147 on outdoor patients as against 8,874 and 20.347 during the previous year.

The average cost per in-patient per day was Rs. 8-15-11 as against Rs. 8-4-11 and Rs. 7-12-0 during the previous two years. Similarly the average cost per inpatient admission was Rs. 102-1-2 as against Rs. 95-12-4 and Rs. 85-0-10 in the previous two years.

An amount of Rs. 36,547-9-0 as against Rs. 29,576-6-0 of the previous year, was spent for affording relief to poor patients out of the Poor Box Charity Fund for expensive drugs, injections, blood transfusions etc., and Rs. 2,984 for appliances. This amount was not taken into account while working out the average cost of patients. The Fund continued to give deserving patients the relief which ordinarily could not be given out of the Municipal Fund. The total amount spent out of this Fund came to Rs. 38,383 while contributions during the year by way of collections from the outpatients and ward boxes and donations etc., amounted to Rs. 41,700-6-9.

The Blood Bank worked satisfactorily and 1,489 cases were given blood transfusions. The demand for blood showed a tendency to increase on account of complicated operations etc.

The Nurses Welfare Fund continued to provide amenities for recreation etc., to the nursing staff as usual.

The School Clinic at the Hospital treated in different departments 7,523 children during the year under report as against 8,542 in the previous year. The total cost of the Clinic was Rs. 17,156-8-0 as against Rs. 16,500 in the previous year.

The extension of the X-Ray and Electro-therapy department was started in September 1952 and the work is nearing completion. New X-Ray and Diathermy machines are being installed.

The Gift Shop started for the convenience of the patients worked well along with the Library for the patients.

The Prophylactic Immunization and Family Health Centres continued their work satisfactorily in their respective spheres.

Two new units, *viz.*, Neuro-surgical and Neurological, were sanctioned by the Corporation and will start working shortly.

Rehabilitation of patients was looked after by the Physiotherapy Centre at the Hospital and many patients took advantage of the treatment. The Physiotherapy School will start working when the equipment is received.

The Occupational Therapy Centre and School has been doing good work and Diplomas were given for the first time to successful students by Shri Shantilal Shah, Minister of Health, Government of Bombay.

The Pharmaceutical Laboratory is working satisfactorily and is a great help to the institution.

Several members of the Honorary staff undertook foreign tours to attend conferences etc., in their specialities.

The working of the Hospital and College Employees Co-operative Credit Society was satisfactory.

For bringing patients to the Hospital and taking the discharged patients home, a new Ambulance was purchased. The Soviet Embassy in India presented to the Hospital one modern ambulance as a gift.

## SETH G. S. MEDICAL COLLEGE

Of the 82 fresh admissions in the College in June 1952, 79 were single and 3 married. Of the 584 students on the roll at the close of the year, 131 were lady students

and 124 post-graduate and research students as against 132 and 105, respectively, at the end of the previous year, when the total was 592. Out of 517 students sent up for Various examinations 331 passed the whole examination against the corresponding figures of 572 and 322 of the previous year.

Expenditure of Rs. 4.83 lacs (including payment of dearness allowance of Rs. 0.83 lac) as against Rs. 4.41 and Rs. 4.39 lacs in the previous two years, respectively, was incurred on the College and the Hostels attached to it while the revenue derived by way of tuition fees, hostel rent, etc., was Rs. 1.78 lacs as against Rs. 1.74 lacs and Rs. 1.77 lacs in the previous two years, respectively. The gross cost and the net cost per student worked out at Rs. 1043.6 and Rs. 659.2, respectively, as against Rs. 904.9 and Rs. 548.4 in the previous year. The amount of fees received from the post-graduate students was Rs. 22,110 as against Rs. 19,890 and Rs. 16,839 in the preceding two years.

The number of male students residing in the hostel during the year was 147. The number of lady students residing in the lady students' hostel was 28 during the year

The income derived from and expenditure incurred on the Hostels were Rs. 16,142. and Rs. 21,503 respectively, as against Rs. 21,537 and Rs. 20,882 in the previous year.

## XVIII—BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL, BOMBAY

(1) The number of beds for men, women and children at the Hospital was increased from 250 to 330 during the year. The total number of in-patients admitted during the year was 11,450 against 10,036 and 8,125 in the two previous years respectively. Out of the total number of 11,679 in-patients including the balance of 229 patients of the previous year 5,405 were cured, 3,779 were relieved, 1,561 either left the hospital against medical advice or were otherwise discharged and 647 died, leaving a balance of 287 patients at the end of the year. The maximum number of in-patients on any one single day was 346 and the daily average worked out to 295.52. The average number of days each patient was resident was 9.25 days against 8.95 in the previous year. The average cost per in-patient per day was Rs. 8-2-10 against Rs. 8-3-6 and Rs. 6-1-4 during the previous two years.

(2) The total out-patient attendance excluding casualty patients during the year was 2,15,259 as against 1,86,437 which gave a daily average of 719.36 against 601.41 in the previous year. The highest out-patient attendance on any one day was 1,078 against 940 in the previous year.

(3) The total number of operations on in-patients and out-patients performed during the year was 4,494 and 4,665 respectively against 4,114 and 1,435 in the previous year.

(4) The Poor Patient's Fund continued to give deserving patients such needed relief which could not ordinarily be given out of the Municipal Fund. The total amount of collections was Rs. 17,893-4-0 out of which the amount spent was Rs. 8,042-3-6 while contribution during the year by way of collections from out-patients boxes and Ward boxes amounted to Rs. 10,511-7-9.

## TOPIWALA NATIONAL MEDICAL COLLEGE

(1) The College had 367 undergraduate students on the roll at the close of the year out of whom 58 were lady students. Besides, there were 34 post graduate students including 8 post-graduate lady students. Sixty students were admitted in June 1952 including 6 lady students. In addition to this, 7 students were admitted for the Condensed M.B.B.S. Course. Out of 306 students sent up for various examinations, 164 passed during the year.

(2) A total expenditure of Rs. 3.71 lacs was incurred during the year under report as against Rs. 2.71 lacs in the previous year. The total income received on account of fees, etc., from the students during the year under report amounted to Rs. 1.24 lacs as against Rs. 1.19 lacs during the preceding year. A sum of Rs. 2,18,631-0-9 was received from the Government as Grant-in-Aid for the year 1950-51.

(3) The total number of male students residing in the Hostel was 57. For want of accommodation admissions to the Hostel had to be refused to a large number of students. Arrangements were made to accommodate the female students at the Grant Medical College Hostel as there is no Hostel for them at this College.

## XIX—THE NAIR HOSPITAL DENTAL COLLEGE, BOMBAY, 8

The College had 59 Dental Chairs, 4 well equipped Laboratories, 1 Dental X-Ray Unit, 1 Micro-Surgical Unit, 1 Nitrous Oxide Apparatus, 5 Microscopes, 1 Cinema Projector, 1 Epidioscope, 1 Infra red and 1 Ultra Violet lamp, and other equipment to give dental treatment on modern lines.

There were 123 students including 21 ladies on the roll. 20 students including 5 ladies passed the Diploma Examination during the year under report.

The College also runs a Dental Clinic which treats patients in the morning and the evening at a nominal charge. During the year under report 51,247 patients were treated as against 31,183 in the preceding year. The total expenditure incurred was Rs. 1,51,710 as against Rs. 1,40,379 during the preceding year, and the total revenue by way of fees from students and patients was Rs. 63,015 as against Rs. 48,133 during the previous year.

## XX—MUNICIPAL GENERAL HOSPITAL, SION

During the year under report, bed accommodation in the hospital was 300. The total number of patients admitted during the year was 12,002 as against 9,426 during the preceding year. The highest number of in-patients on a single day was 380 and the daily average number of in-patients was 339 as against 326 and 291 respectively in the preceding year. Average number of days each patient was resident was 10.3 days as against 12.6 days in the preceding year.

The total number of in-patients treated was 12,301 including 229 of the previous year's balance. The number of Maternity and Gynaec cases were 5,014 as against 4,010 in the preceding year.

The total number of operations performed on in-patients was 2,641 as against 2,139 in the previous year. The average cost per in-patient on diet per day was Rs. 0-15-6 as against Rs. 0-14-10 in the previous year.

The total number of new out-patients was 62,195 with a daily average of 212.7 as against 51,431 and 164.3 respectively in the preceding year. The highest number of out-patients attendance on a single day was 1,940 as against 1,739 in the preceding year. The number of operations performed on out-patients was 3,220 as against 2,348 in the preceding year.

*Paying Patients.*—The number of paying patients admitted during the year under report was 921.

The number of operations performed on the paying patients was :—

| | |
|---|---|
| Major Operations | ... 119 |
| Minor Operations | ... 117 |

## XXI—EDUCATION

### Primary Education Department

Smt. K. Khandvala, B.A., B.T. (Bom.), M.A. (U.S.A.), J.P., continued to hold the post of the Education Officer throughout the year.

**The Education Officer**

**Municipal Schools and Teachers.**

At the close of the year there were 1,75,104 pupils in 444 schools and 43 classes in Greater Bombay, the number in the City being 1,48,131 pupils in 351 schools and 29 classes and in the Suburbs 26,973 pupils in 93 schools and 14 classes. The corresponding figures for the previous year were 1,70,089 pupils in 458 schools and 25 classes in Greater Bombay representing 1,44,680 pupils in 357 schools and 23 classes in the City and 25,409 pupils in 101 schools and 2 classes in the Suburbs. Thus there was a net increase of 5,015 pupils in Municipal schools during the year. The highest number on rolls in Municipal Schools in Greater Bombay was 1,90,090 at the end of July 1952. The number fell down to 1,75,104 at the end of March 1953. The fall in the number of pupils at the end of the year was mainly due to (*i*) restriction of admission from 15th September 1952; (*ii*) striking out the names of pupils on account of their continuous absence from Schools; (*iii*) the migratory nature of the labour population and (*iv*) the change in the commencement of the academic year from April to February whereby a large number of pupils of Standards IV to VII left Municipal Schools on passing their examinations.

The total number of teachers in Greater Bombay at the end of the year was 4,879 of whom 4,050 were permanent, 650 were non-permanent and 179 were special teachers including part-timers. 326 additional teachers were recruited during the year on account of the increase in the number of pupils. The percentage of trained teachers was 88 in the City and 79.3 in the Suburbs.

**Visits to Schools**

The Education Officer and the Supervising Officers under her paid frequent visits to schools for the purpose of effective supervision or inquiry. The Municipal Schools were also visited by members of the Education Committee, Councillors and Government Inspecting Officers.

**Pupils' Progress**

Out of 1,62,277 pupils from Standards I to VII who appeared for the annual examination, 1,33,087 were promoted to higher standards giving a percentage of 83. In the Primary School Certificate Examination 3,625 pupils were successful out of 7,780 who appeared giving a percentage of 46. The Vocational Schools prepared students for Government Carpentry and Tailoring Examinations. A lesser number of pupils joined these Clsses as Government have imposed examination fees for the Carpentry and Tailoring Examinations. 90 out of 244 (37 per cent.) pupils were successful at the Carpentry Examinations and 99 pupils out of 259 (38 per cent.) were successful at the Tailoring Examinations. Some of the factors that came in the way of the progress of the pupils were (1) a top-heavy curriculum which imposed a heavy burden on the pupils and which even trained teachers found difficult to cope with in the time at their disposal; (2) the introduction of three terms in the academic year which has broken up the continuity of studies; (3) the largeness of certain classes; (4) lack of suitable and adequate accommodation resulting in the introduction of double sessions and (5) the abolition of Infant Classes and the reduction of the curriculum from 5 to 4 years resulted in weak grounding of the pupils in the early stages. The question of simplifying the curriculum in consultation with the Government is engaging attention.

**Text Books**

Government have under Section 62BB of the Corporation Act given directions (Government Resolution Education Department, No. TBK 1051 of 11th January 1952) regarding the specification of text-books for use in the Municipal schools for the period 1952-54 and the specified text-books have been introduced in our schools from March 1952.

**Basic Schools**

With a view to exploring the possibilities of implementing the Basic Education Scheme in a City like Bombay two of our schools were converted into Basic Schools in 1949 with Spinning and Weaving as the Basic Craft. The schools continued as Basic Schools during the year with Kitchen Gardening as an additional subject. The conversion of other schools could not be given effect to due to various handicaps. The experience gained in the schools run by the Department since last four years showed that Basic Education is not workable in a City like Bombay. The need for special implements, accessories and special trained teachers would invariably make the Basic School a very expensive institution. Moreover, Bombay is a highly industrialised City and its progress would be on the lines of further industrialisation whereas the scheme of Basic Education with its emphasis on Spinning, Weaving, Agriculture etc., would do well for rural and mofussil areas where it can work successfully. Even if the scheme could be modified to suit urban areas it would not be possible for the Corporation to convert Municipal Schools into Basic Schools unless the Government offer separate special grants for the purpose. The practical and financial difficulties lead one to suggest that instead of converting ordinary schools into Basic Schools some of the principles of Basic Education should be adopted by introducing the teaching of Craft as a distinct Craft and by organising studies on practical lines.

**Byculla Education Centre**

The Byculla Education Centre organised about 50 lectures on various educational topics for the benefit of our teachers with the help of eminent educationists of the City. The Centre also arranged 62 programmes of film shows for the benefit of pupils attending Municipal Schools with the help of the Propaganda Officer, and the Government.

**Rahimtulla Currimbhoy Urdu Training Institute.**

There were 65 pupils receiving instruction in the Institute—35 in the First Year and 30 in the Second Year Class—during the year. Out of the 30 Trainees in the Second Year Class who appeared for the Primary Teachers' Certificate Examination 8 were successful.

**Scholarships and Freeships**

The amount of interest accrued on the various Trust Funds and Endowment Funds were distributed among the students as per the terms and conditions of the Trusts. No cash Scholarships were given during the year out of the Education Fund in view of the large number of freeships and half freeships awarded during the year. It was decided to utilise the budget

provision for scholarships for giving free text-books to deserving pupils of all standards. All Harijan children were given free studentships in Municipal schools. The children of the employees of the Corporation including the B. E. S. T. Undertaking drawing salary upto Rs. 240 were also granted freeships. The general rule of granting concession in fees to the extent of 40 per cent. of the total number of pupils attending Upper Primary Schools continued in force.

**Furniture and Equipment**

Orders were placed for equipment worth Rs. 11,921 (approximate) and furniture worth Rs. 96,525 (approximate) for the Municipal Schools during the year. Larger amounts could not be spared for these items due to financial limitations.

**School Buildings**

The total number of Municipal owned school buildings in Greater Bombay was 61 at the end of the year. One school building at Andheri—Suren Marathi School Building—was constructed during the year partly out of donations from the public and partly at the Corporation's cost. Additional floors over two of the existing Municipal school buildings in the City were raised and one school building was under construction, during the year under review. Only about 36,000 pupils out of 1,75,104 pupils attending Municipal schools were housed in Municipal owned and rent free school buildings and the remaining were housed in rented school buildings. With a view to increasing the number of Municipal owned school buildings and reducing the amount of rent a loan of Rs. 5 lakhs for constructing school buildings were raised during the year.

**Municipal Aided and Recognised Schools**

There were 283 Aided Schools in Greater Bombay (224 in the City and 59 in the Suburbs) as against 285 (226 in the City and 59 in the Suburbs) at the beginning of the year. The number of pupils was 69,552 as against 69,100 of the previous year. The number of recognised schools not receiving grant-in-aid was 31 with 4,805 pupils as against 23 with 3,179 pupils of the previous year. The total number of teachers in Aided Schools including special and part-time teachers was 2,663 as against 2,721 of the previous year. The total amount of grants recommended for payment to Aided Schools for the year 1952-53 was Rs. 3,57,793 for City Schools and Rs. 1,06,829 for the Suburban Schools. The grants have been recommended after applying varying cuts of 20 per cent., 33⅓ per cent., 50 per cent., 66⅔ per cent., 80 per cent. and 85 per cent. to the assessed grants after taking into consideration the income and other resources of the Institutions and the funds available for the purpose. The total expenditure incurred by the City Aided Schools was Rs. 36,78,927 and that by the Suburban Aided Schools was Rs. 8,25,892. The average cost per pupil calculated on the total number of pupils on the rolls in the Aided Schools worked out to 67.2 in the City and Rs. 59.9 in the Suburbs. The average cost per pupil to the Corporation by way of grant would be Rs. 6.5 for the City and 7.7 for the Suburbs.

**Free and Compulsory Education**

The Census of non-attending children in Greater Bombay taken in the months of March to July 1952 revealed that 16,820 and 5,414 children of Compulsory Age were not attending schools in the City and the Suburbs respectively. Of these, 12,932 and 3,265 children of Compulsory Age were enrolled in the City and Suburban Schools respectively. There were 1,13,202 pupils of Compulsory age attending Municipal schools at the end of the year as against 1,13,133 at the beginning of the year. The system of holding the schools in two sessions had to be continued on account of acute shortage of housing accommodation.

**Physical Education**

Physical Education was imparted as per the Syllabus mostly based on the curriculum laid down by the Government. The number of pupils taking physical education was 1,71,506 out of 1,75,104. Mass Drill Displays were held at 3 Centres—two in the City and one in the Suburbs—in which more than 8,200 pupils from 101 schools took part. The delegates to the International Study Conference on Child Welfare and the UNESCO Regional Conference on Free and Compulsory Education (which were held in the City in December 1952) were the Guests of Honour at two of the Displays. The delegates were delighted with the discipline and rhythm in movement achieved by the "tiny tots". Annual Sports were held in November 1952 and the Prize Distribution Ceremony was held on 7th February 1953 under the Presidentship of Shri M. D. Bhansali, I.C.S., Chief Secretary to the Government of Bombay.

**The Scout Movement**

The number of Scout Troops and Cub Packs at the end of the year was respectively 73 and 80 and that of Scouts and Cub in them was 1,868 and 1,866 respectively. The total number of girl scouts companies and Flocks were 65 and 143 respectively with 1,416 Guides and 2,664 Bulbuls

in them. The Annual Rally of Boy and Girl Scouts was held under the Presidentship of Shri P. R. Nayak, I.C.S., Municipal Commissioner for Greater Bombay. Besides their usual activities the Scouts and Guides rendered useful services at the various departmental and public functions.

**Finance**

The accounts of the Education Fund were kept under a separate heading in the Municipal Accounts, as laid down under Section 123-C of the Municipal Corporation Act. The income side of the Education Fund consists of Contribution from the Corporation, Government Grant towards Primary Education, Fees from Municipal Schools and other Miscellaneous Receipts. The Corporation's Contribution to the Education Fund is now restricted to a sum equal to five times the amount of the net estimated realisations of the General Tax divided by the rate of General Tax. Although the income side is thus limited, the expenditure side is not, as the number of pupils in the Schools has been ever on the increase. The total amount at the disposal of the Education Committee was Rs. 1,30,34,008-15-10 for the City and Rs. 19,73,558-3-6 for the Suburbs, including the Closing Balance of Rs. 13,66,921-14-10. The Grant paid by the Government was Rs. 25,08,875 for the City Schools and Rs. 5,50,000 for the Suburban Schools. The Average cost per pupil calculated on the number of pupils on rolls was Rs. 74.9 as against Rs. 72.2 of the previous year for the City schools and Rs. 60.4 as against Rs. 43.9 of the previous year for the Suburban Schools.

With the ever-increasing number of pupils in Municipal Schools and the higher cost of educational aids, we would be compelled to go in for the Education Cess at no distant future if Government does not give us more and adequate grants as they should. The Government Grant is based on the Shroff Committee's Report of 1948, which lays down that " Grant for Primary Education should be equal to 25 per cent. of the Approved Expenditure subject to a maximum of Rs. 25,00,000". At the time of the Committee's Report English was being taught in Secondary Schools and 10,000 pupils were attending Upper Primary Classes of Municipal Schools as against 37,194 attending now, thus adding substantially to the expenditure.

**General**

(A) *School Health Service.*—Detailed medical examination of 38,383 pupils reading in Standards I and III was taken during the year by the Medical Inspection Department working under the Executive Health Officer. Free medical treatment was given to the pupils at the Municipal Dispensaries and the Central School Clinic at the K. E. M. Hospital and the various Vaccination Centres. Routine Health Talks were given in different Schools by the Medical Officers and the Nurses. Nearly 32,640 under-nourished pupils were supplied with free milk in the schools.

(B) *Municipal Teachers' Library.*—There were 15,929 books (different languages) in the Library at the beginning of the year. 1,489 new books were purchased during the year. Thus the Library had 17,418 books at the end of the year. The daily attendance in the Library was fairly satisfactory. A branch of the Library was proposed to be opened in the Suburbs for the benefit of the teachers in the Suburban Schools.

(C) *Free use of School Premises.*—The Municipal school premises were allowed to be used gratis for the Government Milk Distribution Centres, for Hindi, Hindustani, and Social Education Classes and Night Schools conducted by recognised Institutions outside school hours.

(D) *Donations.*—(*i*) The Municipal Marathi Primary Teachers' Fund donated an amount of Rs. 2,000 in the form of National Savings Certificate (valued at Rs. 2,400 at present) for the purpose of constituting a fund known as " Shikshak Fund " out of which prizes known as Shikshak Fund Prizes" are to be given to the children of Marathi Teachers. This donation was accepted with the sanction of the Corporation.

(*ii*) *Donation of Shields.*—Four Silver Shields were donated by Shri Ganpatishankar N. Desai, Mayor of Greater Bombay, Dr. N. N. Shah, Municipal Councillor, Shri R. K. Achrekar, Chairman, Education Committee and Shri Premchandbhai V. Mehta, Municipal Councillor for being awarded to the cleanest and best conducted Municipal Schools. The donations were accepted with thanks.

(*iii*) *Donation of Steel Cup-boards.*—Shri Nanik G. Motwane, Municipal Councillor who presided over the Shared Utsav Function of the Chembur Group of Municipal Schools donated five steel cupboards for the use of the schools of the area. The donation was accepted with thanks.

(E) *International Conferences.*—Two International Conferences having direct connection with Primary Education were held in the City during the year under report.

(*i*) *The International Study Conference on Child Welfare.*—The International Study Conference on Child Welfare was held in the City in the second week of December 1952, at which problems relating to Child Welfare such as pre-natal and post-natal care of the child, Child Education, Parental Education, Education of mentally-deficient, under-developed, crippled and criminal children were discussed and important resolutions were adopted thereon. The Education Officer of the Corporation read out at the Conference a highly instructive and interesting paper on " The Contribution of Educational Services and Organizations towards the Education of Parents and the Improvement of Child Welfare ".

(*ii*) *The UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific.*—The UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific was held in Bombay from 12th December 1952 to 22nd December 1952. The Conference discussed important subjects like Child Labour Legislation, Legislation on Compulsory Education, Text Books and Curricula, Status and Training of Teachers, School Health Service and other problems relating to Compulsory Education. As a result of the deliberations, a number of important Resolutions were adopted for the benefit of member Nations. The Officers of the Primary Education Department were greatly benefitted by attending the Conference. Besides displaying the educational exhibits at the Central Exhibition arranged at the Council Hall on the occasion, a special Exhibition was set up at the Municipal Valibai Upper Primary Gujarati School with a view to enabling the distinguished educationists to have an idea of the ways and means adopted by the Corporation for imparting education in Municipal Schools. Side by side with the Exhibition a cultural programme was also arranged in honour of the Delegates.The Delegates spent over three hours at the school in studying the various exhibits. They were also the guests of honour at the Mass Drill Display of Municipal School pupils at Shivaji Park on 17th December 1952. held under the Presidentship of Shri Dinkarrao N. Desai, M.A., LL.B., Minister of Education, Government of Bombay. The Delegates visited a number of Municipal Schools in Greater Bombay with the Education Officer. Mr. H. Lionel Elwin, Director of the Department of Education, UNESCO and Mr. Mata Akravi, Officer in Charge of the Department for Extention of Compulsory Education, UNESCO were also kind enough to meet the Officers and teachers of the Primary Education Department and to discuss various aspects of Primary Education.

(E) *Extra-curricular Activities.*—Various activities were carried on during the year such as opening of Vacation Libraries in the Summer Vacation, Independence Day and Republic Day Celebrations, Sharad Utsav, School Anniversaries, Vana Mahotsav, Social Education Week, Excursions, Co-operative Stores and Exhibitions.

**Staff Meetings**

Staff Meetings of Supervising Officers continued to be held during the year under the Chairmanship of the Education Officer for discussing improvements in schools, curriculum, problems of day to day administration, etc. On some occasions meetings of Head-teachers of Municipal Schools were also convened to discuss the working of schools. The Supervising Officers gave interesting and instructive talks on some important educational programmes in the Study Circle meetings held every month.

## XXII—PUBLIC HEALTH DEPARTMENT

### Outstanding activities of the year

(1) Reorganisation of the Public Health Department.—Messrs. Ibcon Ltd., completed their studies in the Malaria and Insecticide Sections, the Vaccination Branch, the Sanitation Branch and the Head Office of the department. A potential reduction of 658 persons from the reference period staff of 1,467 persons was indicated.

Implementation of the recommendations resulted in a reduction of 316 person till the end of December 1952. The resulting cumulative net saving amounted to Rs. 4,57,113, the monthly rate of saving being Rs. 25,466 during December 1952.

(2) Anti-rat Week was observed when wardwise anti-rat campaigns comprising propaganda drive and intensification of rat-destruction work were held in B, F and G

(3) Eight new free family planning clinics were started in 1952 bringing the number of such clinics in the city to 15. Instruction regarding spacing of births is given to married necessitous women by qualified lady doctors on medical grounds.

**Area and Population.**—According to the Census of 1951, the population of the City was provisionally placed at 23.25,945. The vital statistical rates in this report are calculated on this figure. The Mid-year estimated population was calculated to be 24,41,000 provisionally. The area of the city is 26.189 sq. miles (16761.5762 acres). The density of the population was 139 per acre.

**Birth Registration.**—66 125 live births were registered during the year as against 65,679 in the previous year and 13,233 in excess of the average of the decennium (1942-51). Still births totalled 3,151 *i.e.* 4.7 per cent. of live births.

**Death Registration.**—Registered deaths numbered 34,337 (19,185 males and 15,152 females) as against 33,841 in the previous year. It was less by 2,278 than the annual average mortality of the preceding 10 years and by 2,352 than the mean mortality for the previous five years.

**Birth and Death rates.**—These were 28.4 and 14.8 respectively per 1,000 of census population and 27.0 and 14.0 per 1,000 of the mid year estimated population.

**Infant Mortality.**—Deaths among infants (under one year of age) during the year numbered 9,334 which was 412 less than in the preceding year. The infantile death the rate (per 1000 live births registered) was 141.1 as against 148.4 in the previous year. If the number of deaths of infants born outside the City is excluded from the total number of deaths among infants, the rate of infant mortality would be 104.8. Diseases of the respiratory system, infantile debility and premature births caused 7,392 or 79.2 per cent. of the infantile deaths as against 7,768 deaths or 79.7 per cent. in the previous year.

**Maternity and Child Welfare Service.**—Maternity and Child Welfare Service was rendered by the Medical Officers in charge of the Municipal Maternity Homes with the help of the Health Visitors attached to 5 main clinics and ten subsidiary clinics. Each of these clinics worked two days every week. The Maternity and Child Welfare Centre at Dharavi was conducted by 2 Resident Health Visitors under the Supervision of the Medical Officer, Cadell Road Maternity Home.

The Health Visitors paid 58,072 visits in several districts and attended 50 confinements at homes during the year, while the Medical Officers personally visited 3,430 cases.

The number of confinements that took place in the five Municipal Maternity Homes was 9,188 as against 8,895 in the previous year. Of the confined cases 1,709 were prima-parae as against 1,823 in the last year.

B. C. G. vaccination was given to 709 new-born babies at the 5 Maternity Homes.

The Maternal mortality rate recorded during the year was 1.3 which was the same as in the previous year.

**Birth Spacing on Medical Grounds.**—The total attendance at the 15 Family Planning Clinics was 4,306. 1,939 women were given advice and supplied with appliances. A lady Supervising Medical Officer (Maternity) was appointed from 1st March 1952 for supervising the Family Planning, Maternity and Child Welfare Activities.

**Infectious Diseases.**—During the year 4,924 cases of infectious diseases were reported as against 5,024 in the previous year. 2 cases of plague including one imported were reported. Both died. Cholera caused 14 attacks (including 12 imported) and 6 deaths. Small-pox caused 378 attacks (including 53 imported) and 120 deaths and Enteric fever caused 1,567 attacks (including 102 imported) and 428 deaths. Diphtheria caused 608 attacks and 101 deaths.

**Immunization.**—During the year 32,338 persons were inoculated against Plague, 14,167 against Cholera and 3,30,859 against Enteric Fever. Primary Vaccination and Re-vaccination against smallpox done during the year were 71,885 and 4,26,351 respectively as against 74,434 and 6,49,353 respectively in the preceding year.

**Hospitalization.**—The total number of patients admitted at the City Fever Hospital at Arthur Road during the year was 6,883 as against 6,726 in the previous year, the daily average number being 229.

**Leprosy.**—The control of Leprosy in the City is exercised through the Acworth Leprosy Home, Matunga. This also includes an out-patient clinic, the cost of which is chiefly borne by this Municipality. The Home provides in-patient treatment to 396 patients, 284 males and 112 females.

The average daily attendance of patients at the Leprosy out-patient Clinic was 214 and the number of new patients treated during the year was 1,812. 1,669 contacts were examined in their homes and 381 brought to the clinic for examination. 50 were discovered as Leprosy patients by examination of contacts and 556 who had interrupted treatment at the clinic were persuaded to resume treatment. In all 6,018 domiciliary visits (first 1,174 and "subsequent" 4,844) were paid by the Health Visitors during the year.

**Malaria.**—Malaria was registered as the cause of 41 deaths as against 59 in the previous year and the number of persons treated for Malaria at the Municipal Dispensaries was 276 as against 474 in the preceding year.

**Tuberculosis.**—Patients of tuberculosis in various stages were admitted for treatment in the Group of Hospitals for Tuberculosis.

The number of in-patients treated during the year was 1,956. Of these 280 patients died and 1,642 were discharged. The total number of out-patients suffering from Tuberculosis treated at the three T. B. Clinics at Princess Street, Foras Road and Lalbaug was 13,645 as against 13,085 during the previous year.

**Veneral Diseases.**—17,838 cases of Venereal Diseases (15,160 males and 2,678 females) were treated during the year, as against 16,072 in the previous year. During the year 13,213 persons attended for prophylactic treatment at the Venereal Diseases Clinic and 3,244 at other Municipal Prophylaxis Centres the average daily attendance for treatment and prophylaxis being 671.3 as against 683.7 in the preceding year.

**Medical Relief.**—Free Medical Relief was rendered to the out-patients at the 23 Municipal General Dispensaries. The number of new cases treated at the dispensaries during the year was 2.88 lacs as against 2.56 lacs in the previous year. The total attendance numbered 12.98 lacs as against 12.36 lacs in the previous year. In addition to this, Dispensaries for women and children were conducted by three part-time Lady Doctors at 6 Municipal Free Dispensaries in the City, thrice a week. The number of new cases treated at these dispensaries was 31,473 as against 28,109 in the preceding year. The total attendance was 1,51,526.

The Bai Lingubai Eye Dispensary was conducted at Kamathipura along with the Bhoomayya Poshety Ashanol Free Ophthalmic Hospital. The hospital has an accommodation of 12 beds, 6 for males and 6 for females and also a modest yet well equipped operation theatre. The total number of new cases treated during the year was 11,704 as against 10,703 in the previous year. The number of in-patients treated being 210 as against 213 in the preceding year. The total attendance of patients was 84,430.

**Health Education and Propaganda.**—16 Health Exhibitions and 263 Health Education Film shows on various health subjects were arranged in the City. The propaganda Van fitted with a Public Address system aided anti-cholera, anti-small-pox anti-typhoid and anti-plague campaigns in various localities of the City and several thousand persons were inoculated or vaccinated on the spot. The Public Health Museum, at the Bombay Sanitary Institute at Princess Street, was expanded. Anti-rat campaigns were carried out in B, F and G Wards. A film on prevention of Typhoid entitled "A Novel Story" was prepared and 8 films on various Health subjects were purchased. Posters, Health Charts, Placards, etc., were prepared.

**Conservancy.**—The daily average in square miles of roads and house-gullies cleaned regularly throughout the day was 270.7, 280.4 and 104.0 respectively. The total refuse collected and removed through the Municipal Agency was 7·81 lacs tons (inclusive of house, trade and market refuse) as against 7.75 lacs tons in the previous year.

Roads and Foot-paths and house-gullies were as usual swept, and washed. An aggregate area of 49,81,914 square yards of roads was swept, 18,255 tons of scrappings removed, 1,27,896 square yards of gullies flushed, and 62,77,945 gallons of cess-pool contents removed. The system of house to house collection of refuse was continued in A, D, F and G Wards.

**Control of Rat Pest.**—The total number of rats caught and destroyed during the year was 11.25 lacs as against 10.26 lacs in the preceding year. 3 rats were found infected with Plague from 3 different localities.

**Control of Stray Dogs.**—During the year, 11,114 stray dogs were caught as against 8,072 in the previous year. Out of these 8,532 were destroyed, 730 returned to their respective owners, 81 sent to the Hospitals for experimental purposes, 160 escaped and 23 detained in the Kennel Chamber at Mahalaxmi Refuse Siding. 10,380 dog bite cases were reported during the year.

**Dog Licensing.**—During the year 7,893 dogs were licensed under the Dog Licensing Act, as against 7,978 in the previous year. The total income by way of dog licensing fees, etc., amounted to Rs. 44,655-4-0 as against Rs. 41,770-13-0 in the previous year.

With a view to abating the nuisance caused by stray cattle in the City, the Police caught and impounded 7,673 animals. The work of immunizing milch cattle against Rinderpest was continued. The total number of inoculations done during the year was 24,450 as against 24,993 in the previous year. This year 35 cases of Rinderpest were reported as against 35 last year.

In addition to the above activities the Conservancy Branch rendered special conservancy and halalkhore services to various circuses, exhibitions, etc., for which amounts of Rs. 37,728-5-0 and Rs. 8,880-8-0 respectively were realised. The annual income derived by auction sale of certain Health Department rights amounted to Rs. 7,872.

**School Health Work.**—In all 39,383 children (24,680 boys and 14,703 girls) were medically examined. Of these 31,495 were found suffering from one or more physical ailments. The total number of ailments detected was 64,122 of which 38.12 per cent. were general debility, 23.51 percent. Dental, 12.66 per cent. throat, 11.60 per cent. enlarged Lymphatic Glands, 7.3 per cent. skin diseases, 5.29 per cent. Eyes (External) and a small percentage of Eyes (vision), nose, etc.

The number of new school children treated at the School Clinic at the K. E. M. Hospital was 778 along with 5,789 old cases.

Each Municipal School was supplied with a First Aid out fit. 44 poor pupils with errors of refraction were supplied with appropriate pairs of spectacles free of charge. Out of 113 pupils suspected to have Leprosy, 15 were prevented from attending Municipal Schools and 3 kept under observation. 706 children suffering from minor skin diseases such as scabies, ringworm, etc., were treated in schools and others at the Municipal dispensaries. 996 talks on different health subjects were given by the School Medical Officers as against 971 in the previous year.

A daily free milk feed of 8 ounces of toned milk was given to over 32,640 weak and undernourished children except on Sundays and Holidays.

**Food Sanitation.**—The number of inspections made during the year by the Inspectorial staff of the Health Department at the premises of Milch Cattle Stables, Dairies and Milkshops, Eating Houses, Aerated Water-works and other premises where food was sold was 2,702 ; 8,399 ; 26,090 ; 6,507 and 10,929 respectively. 7,739 hawkers importing milk by train were inspected out of whom 278 were found to have no licenses and 887 were found carrying milk in open cans without covers. Besides, the number of hawkers found with grass rings in their milk vessels was 1,236.

Prosecutions were instituted in 773 cases of hawkers found selling milk in streets without licenses. The total number of persons prosecuted for the sale of milk without a license and those for breaches of the milk shop license conditions was 240 as against 228 in the previous year.

**Municipal Laboratory.**—34,928 samples were examined during the year as against 27,954 in the previous year. Of these 26,910 were examined chemically and 8,018 bacteriologically. The samples examined chemically included 18,761 of milk, 1,022 of ghee, 711 of butter, 213 of vegetable products and 1,386 of other articles of food. Out of these 1,910 samples of milk, 159 of ghee and 228 of butter were found to be spurious and led to prosecutions being launched against the offenders.

## XXIII—MUNICIPAL PRINTING PRESS

The total number of jobs executed at the Press during the year was 7,820 as against 6,391 of the previous year. The number of pages for the Corporation and its various Committees, including Record, printed at the Press amounted to 31,915 as against 34,214 of the previous year.

During the year under review, the Governments of Bombay as well as of Saurashtra requested the Corporation to allow them to entrust the printing of their Districts Census Handbooks—which were urgently required and which could not be carried out at their respective Government Presses—to the Municipal Printing Press. As a result, 5 Census Handbooks comprising of 1,575 pages were printed by the Municipal Press for the two Governments at a cost of Rs. 14,175.

The difficulty of obtaining paper under Government release continued during the year.

Out of 200 tons of Bleached and Unbleached paper for which release orders were issued by Government, only 108¾ tons were received from the Mills. 62¼ tons of foreign bleached paper had to be purchased locally in order to cope with the increased printing requirements of the various Departments.

The consumption of paper is on an upward spiral as is shown by the fact that during the year under review the tonnage consumed was approximately 154 as against 142 of the previous year and 116 of the year before that.

The working of the Press showed a surplus of Rs. 2,895* on the total turnover of Rs. 8.11 lacs during the year as against a surplus of Rs. 4,437 on the total turnover of Rs. 7.35 lacs in the previous year.

The labour staff as on 28th February 1953 consisted of 223 workers as against 234 workers on 29th February 1952.

The expenditure so far incurred on the conversion of the Crusher Building for accommodating the Press amounted to Rs. 3,14,392.

## XXIV—LEGAL DEPARTMENT

During the year under report the department continued to attend to contested matters and other proceedings in the High Court, City Civil Court, Small Causes Court and Police Courts. During the year the department received 6,945 files, addressed 1,719 letters to outside parties or their legal advisers and gave advice on 165 documents. Corresponding figures for the preceding year were 5,904 files, 891 letters and 90 documents. The report contains figures of High Court Suits as well as number of documents such as conveyances, etc., that were completed.

The income by way of costs recovered amounted to about Rs. 41,971-15-6 and the expenditure to Rs. 70,162-15-3.

## XXV—LABOUR DEPARTMENT

**Labour Department.**

During the year under report there were 10 unions of Municipal labourers of whom 8 were registered with a total membership of 8,953 and 2 unregistered. The total number of labour staff employed in eleven main departments was 27,182 persons. Labour relations remained quite normal. A Joint Council for Peons, etc., staff was established during the year under report thus bringing the total number of joint councils to nine. They helped to create harmonious relations between the Administration and the labour. The Labour Officer dealt with among other things 1,434 individual grievances of the Labour Staff of the various Municipal departments.

**Welfare Branch.**

The Welfare Branch of the Department organised recreational, educational and other cultural activities for the benefit of about 6,000 Municipal workers and their dependents. A small maternity home was also conducted for the benefit of the employees living at the Chembur Labour Camp.

## XXVI—WARD OFFICERS

The Ward Officers (South and North) dealt with complaints received in the Municipal Commissioner's Office as well as with those received directly in the departments in respect of Building, Drainage, Sanitation, Water Supply and other complaints in connection with Encroachments, Markets, Gardens, Fire, etc.

Complaints received from the public in most cases pertained to different departments. Relevant extracts were, therefore, taken and sent to the Heads of Departments concerned for necessary action and report. Similarly, references as regards sanitary defects noticed by the Ward Officers during the course of inspection were also made to the respective heads of departments for necessary action and report. A record of the

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* The figure indicates working surplus. The work is charged on the basis of actual cost. The Press does not work with a view to making a profit.

references so made was kept in the Register maintained by the Ward Officers' department. Particulars of the complaints received by the two Ward Officers during the year under report, under different heads were as under :—

| Head | Ward Officer (South) | Ward Officer (North) | Total |
|---|---|---|---|
| Building ... | 779 | 626 | 1,405 |
| Drainage ... | 163 | 196 | 359 |
| Sanitation ... | 1,156 | 950 | 2,106 |
| Water Supply ... | 883 | 679 | 1,562 |
| Miscellaneous (complaints in connection with Encroachments, Markets, Gardens, Fire, etc.). | 99 | 140 | 239 |
| Total ... | 3,080 | 2,591 | 5,671 |

## XXVII—MUNICIPAL SERVANTS ACT

**Labour Relations**—Labour relations during the year were smooth and there was no dislocation of work. The staff of the Nair Hospital was a little restive and the Bombay Municipal Hospital Employees' Union had served a notice of strike on their behalf. The matter was, however, settled amicably and the strike notice was withdrawn.

P. R. NAYAK,
*Municipal Commissioner*
*for Greater Bombay.*

# FINANCIAL

**No. A.E./O/153 of 14-8-53**

Report from the Chief Accountant on the accounts of the Municipality, the Improvement Schemes and the Education Fund for the year 1952-53.

## MUNICIPAL (PROPER)

The following statement summarises the transactions for the year pertaining to Revenue and the actuals for the preceding year :—

| | 1952-53 | | | Actuals for 1951-52 |
|---|---|---|---|---|
| | Budget Estimates | Revised Estimates | Actuals | |
| | Rs. | Rs. | Rs. | Rs. |
| Opening Balance ... | 35,88,000 | 15,75,202 | 15,75,202 | 53,49,429 |
| Transfer from P. W. R. Fund ... | ... | ... | ... | 7,29,946 |
| Recoupment of Advance for purchase of Capital Stores. | 34,85,000 | 64,75,000 | 64,74,310 | ... |
| Income ... | 8,22,07,843 | 8,48,58,421 | 8,45,81,775 | 7,64,20,768 |
| Total ... | 8,56,92,843 | 9,13,33,421 | 9,10,56,085 | 7,71,50,714 |
| Expenditure ... | 8,80,85,824 | 8,58,99,447 | 8,22,85,661 | 7,92,79,925 |
| | 23,92,981 (Deficit) | 54,33,974 (Surplus) | 87,70,424 (Surplus) | 21,29,211 (Deficit) |
| Balance ... | 11,95,019 | 70,09,176 | 1,03,45,626 | 32,20,218 |
| Reservation for Advances, *vide* Para. 2 ... | ... | +7,58,797 | —50,63,563 | —16,45,016 |
| Closing Balance ... | 11,95,019 | 77,67,973 | 52,82,063 | 15,75,202 |

2. The details of the reservation for Advances, etc., are :—

| | | |
|---|---|---|
| *Increase in*— | Rs. | Rs. |
| Reserve Stores Balances (including line suspense Account) ... | 8,06,192 | |
| Capital Stores Balances (still to be recouped) ... | 5,56,785 | |
| Advance from Surplus Cash Balance for financing capital expenditure pending raising of the fresh Loan ... | 45,64,287 | |
| Total ... | | 59,27,264 |
| *Decrease in*— | | |
| Contribution towards Improvement Schemes ... | 1,06,595 | |
| Renewed Grants ... | 4,75,573 | |
| Miscellaneous Advances outstanding ... | 2,81,533 | |
| Total ... | | 8,63,701 |
| Net Increase ... | | 50,63,563 |

3. The net unhypothecated Surplus Cash Balance on 31st March 1953 was as under :—

| Liabilities | Rs. | Assets | Rs. |
|---|---|---|---|
| Reserve Stock (including line suspence) | 31,67,976 | Surplus Revenue Fund as per Appendix No. 2. | 1,79,27,789 |
| Capital Stores (to be recouped) ... | 5,56,785 | | |
| Advance for Plant and Machinery ... | 25,22,644 | | |
| Miscellaneous Advances ... | 18,34,034 | | |
| Advance from Surplus Cash Balance for financing Capital Expenditure | 45,64,287 | | |
| Minimum required by law ... | 1,00,000 | | |
| Surplus Cash Balance ... | 51,82,063 | | |
| Total ... | 1,79,27,789 | Total ... | 1,79,27,789 |

4. The opening and closing Reserves Stores (including Capital Stores) Balances for the year 1952-53 are compared below :—

| | Opening Balance | Closing Balance | + Increase — Decrease |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Serviceable Stores | | | |
| Reserve Stores | 22,91,946 | 30,99,860 | + 8,07,914 |
| Line Suspense Account | 69,838 | 68,116 | — 1,722 |
| Capital Stores | 64,74,310 | 70,31,095 | + 5,56,785 |

5. The Loan liabilities at the beginning and at the end of the year were as under :—

| Outstanding debt 1st April 1952 | Loans raised during the year | Repayment during the year | Outstanding debt on 31st March 1953 |
|---|---|---|---|
| Rs. | Rs. | Rs. | Rs. |
| 17,38,54,303 | 3,74,83,409 | 1,04,54,508 | 20,08,83,204 |

The details of the Loans raised are as below :—

| | | |
|---|---|---|
| (1) Rs. | 2,44,14,500 | Being the loan of Rs. 2,20 lakhs issued at discount of Rs. 2-4-0 with currency of 12 years at 4 per cent. interest raised by public subscriptions out of Rs. 450, lakhs loan sanctioned under Corporation Resolution No. 436, dated the 19th June 1952 and G. R. No. 2000/33, dated the 19th August 1952. |
| (2) ,, | 35,00,000 | Being the loan of Rs. 35 lakhs issued at par out of Rs. 4.50 lakhs loan raised by private negotiations at 4 per cent. interest with a currency of 12 years sanctioned under C. R. No. 436, dated the 19-6-1952 and G. R. No. 2000/33, dated 19-8-1952. |
| (3) ,, | 69,00,000 | Being the loan of Rs. 69 lakhs issued at par at 4 per cent. interest with a currency of 15 years raised internally as sanctioned under C. R. No. 436, dated 19-6-1952 and G.R. No. 2000/33, dated the 19th August 1952. |
| (4) ,, | 1,24,962 | Being advance from the Net Premia Fund for the Renewal of Road Surfaces for which no provision exists in the Renewal Fund, repayable in 15 years based on the life of the surface as sanctio ned under C. R. No. 21, dated the 13th April 1939. |
| (5) ,, | 25,43,947 | Being advances from Special Funds for purchase of Plant and Machinery repayable by annual equated instalments in five years at 4 per cent. interest per annum. |
| Total Rs. | 3,74,83,409 | |

The amounts of Rs. 2,44,14,500 and Rs. 35,00,000 under (1) and (2) above were raised from the public. The amount of Rs. 69,00,000 under (3) was raised by reserving the amounts for investment of the Municipal Sinking, Special and Surplus Funds.

The repayments during the year were as under :—

| | | |
|---|---|---|
| (1) Rs. | 51,17,027 | Repaid to Government on the basis of equated payments from revenue in respect of advances taken from them. |
| (2) ,, | 40,30,500 | Repaid to Debenture Holders out of Sinking Fund Investments. |
| (3) ,, | 13,06,981 | Repaid to different Special Funds out of Revenue on the basis of equated payments. |
| Total Rs. | 1,04,54,508 | |

The position of the Sinking Fund is shown below :—

| Amount of Fund on 1st April 1952 | Interest etc. realisation | Sinking Fund instalments | Total | Withdrawn for payment of Loans | Amount of Fund on 31st March 1953 |
|---|---|---|---|---|---|
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 4,24,22,631 | 16,22,010 | 52,01,598 | 4,92,46,239 | 40,30,500 | 4,52,15,739 |

The value of securities, held in the Sinking Fund Account on the basis of market rates prevailing on 31st March 1953 including accrued interest and cash, exceeded the actual amount of the Sinking Fund by Rs. 23,77,928 which is held in the Sinking Fund Account.

## INCOME

6. A detailed comparison between the Budget and Revised Estimates and the Actuals will be found in Appendix No. 3. The estimated income for the year was Rs. 8,22,07,843 and Revised Estimate was

Rs. 8,48,58,421. The actuals amounted to Rs.8,45,81,775 resulting in an increase of Rs.23,73,932 on the Budget Estimate and a decrease of Rs. 2,76,646 on the revised estimate. The details of increases and decreases are given in Statement 'A'.

7. The position as regards income from General Tax, Water Tax and Halalkhore Tax will be seen from the sub-joined statement :—

| | 1952-53 | 1951-52 | Increase |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| (1) General Tax at 17½ per cent. (including Fire Tax)— | | | |
| Total Collections booked ... | 3,37,37,807 | 2,72,54,481 | |
| *Deduct*—Recoveries for previous years ... | * 41,90,763 | 40,02,389 | |
| | 2,95,47,044 | † 2,32,52,092 | |
| *Add*—Outstanding for year at the close of the year ... | *68,05,661 | 60,20,238 | |
| Total ... | 3,63,52,705 | 2,92,72,330 | |
| (2) Water Tax at 3½ per cent. and water charges by measurement and at compounded rates— | | | |
| Total Collection booked ... | 1,75,90,001 | 1,60,59,149 | |
| *Deduct*—Recoveries for previous years ... | 24,22,390 | * 33,08,699 | |
| | 1,51,67,611 | 1,27,50,450 | |
| *Add*—Outstanding for the year at the close of the year ... | *23,81,719 | 28,40,685 | |
| Total ... | 1,75,49,330 | 1,55,91,135 | |
| (3) Halalkhore Tax at 3 per cent. and for special service— | | | |
| Total Collection booked ... | 61,20,440 | 58,12,908 | |
| *Deduct*—Recoveries for previous years ... | *8,81,212 | 9,24,364 | |
| | 52,39,228 | 48,88,544 | |
| *Add*—Outstanding for the year at the close of the year ... | *13,51,653 | 14,00,541 | |
| Total ... | 65,90,881 | 62,89,085 | |
| Net demand on account of Property Taxes inclusive of refunds | 6,04,92,916 | 5,11,52,550 | 93,40,366 |

* As supplied by A. and C.
† At 14¼%

## TOWN DUTIES

8. The various articles on which duty was levied at the time of import under the provisions of Sections 192(*i*) of the Bombay Municipal Corporation Act, the amount levied and refunds allowed thereon under Section 195 on their export are shown in Appendix No. 17.

The gross collection for the year were estimated at Rs. 92,00,000, the refunds and commission charges at Rs. 22,00,000 and the net revenue at Rs. 70,00,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 90,11,622 and after deducting the amount of Rs. 20,19,274 on account of refund, the net receipt amounted Rs. 69,92,348 showing an increase of Rs. 1,41,014 as compared with the actuals of the previous years.

## SALE PROCEEDS OF LAND

9. There was no balance to the credit of the Land Sales Reserve Fund as on 1-4-1952. The sale proceeds of surplus land during the year amounted to Rs. 4,12,758. This amount being less than Rs. 10 lakhs transfer to the Fund was not made. The area of surplus municipal land available for sale at the end of the year was about 1,150 square yards of the approximate value of Rs. 46,000.

## REVENUE EXPENDITURE

10. The final sanctioned grants amounted in the aggregate to Rs. 9,58,62,694 as follows :—

| | Rs. |
|---|---|
| Budget Grants ... | 8,80,85,824 |
| Unexpended Grants for previous years renewed for expenditure ... | 46,99,741 |
| Additional Grants ... | 30,77,129 |
| Final sanctioned grants ... | 9,58,62,694 |

The transfers from one Budget head to another, without affecting the total Budget provision for the year amounted to Rs. 13,59,567.

11. Against the final grants for the year aggregating to Rs. 9,58,62,694 as stated above the actuals amounted to Rs. 8,22,85,661 leaving an unexpended balance of Rs. 1,35,77,033 at the close of the year. Of this a sum of Rs. 48,61,304 is being renewed for expenditure during 1953-54 against Rs.53,36,877 in 1952-53 and the balance *viz.*, Rs. 87,15,729 being allowed to lapse as detailed in Appendix No. 4.

In Statment 'B' details of proposed renewals and savings will be found classified according to the nature of work.

12. The percentage of Establishment proper and of Labour to the total expenditure for 1952-53 and the previous year are given below :—

| | Percentage to Total Expenditure during | |
|---|---|---|
| | 1952-53 | 1951-52 |
| | Rs. | Rs. |
| (1) Establishment proper including supervision ... | 11.16% | 10.93% |
| (2) Labour ... | 11.70% | 11.44% |

## LOAN FUNDS

13. The amount of new loan proposed in the Budget for 1952-53 was Rs. 3 Crores. The Loan Works Programme was later revised in view of the market conditions. The 1st instalment of loan raised was Rs. 2,44,14,500. However, as this amount was found insufficient, further loans of Rs. 35 lakhs, and Rs. 69 lakhs were raised during the year. The amount actually raised to finance the Capital Expenditure including purchase of Plant and Machinery, Renewal of surfaces of Roads for which no Renewal Fund exists and roads taken over from *Ex*-Trust, etc., was Rs. 3,74,83,409 as detailed in paragraph 5 above.

Balance out of the loan of Rs. 5 Crores sanctioned for the year 1951-52 for Budget 'A' was allowed to lapse. Out of the fresh loan of Rs. 3 Crores sanctioned for the year 1952-53, a loan of Rs. 2,79,14,500 was raised by public subscription.

## LOAN WORKS EXPENDITURE

14. The opening balance on 1st April 1952 on account of Loan Funds but excluding the Trust Fund was Rs. 5,98,600. Loans aggregating to Rs. 3,74,83,409 were raised during the year. The total Loan funds available for expenditure during the year were Rs. 3,80,82,009. Out of this an amount of Rs. 64,74,310 has been reserved for purchase of Capital Stock, thus the net amount available for expenditure during the year was Rs. 3,16,07,699. The total expenditure incurred during the year amounted to Rs. 3,61,71,986. The expenditure of Rs. 45,64,287 incurred in excess of funds available, was met out of an advance of an equivalent amount from the Surplus monies pending adjustment against the proceeds of new Loan to be raised during 1953-54 as approved under C.R. No. 1509 of 17-3-53.

15. The following statement contrasts the expenditure on Capital Works with the Budget and Revised Estimates during the last five years :—

| Year | Loan and Trust Funds | | | Percentage by which actuals fell short of Budget Estimates | Percentage by which actuals fell short of Revised Estimates |
|---|---|---|---|---|---|
| | Budget Estimates | Revised Estimates | Actuals | | |
| | Rs. | Rs. | Rs. | % | % |
| 1948-49 ... | 2,52,77,963 | 2,46,52,804 | 74,59,815 | 74 | 69 |
| 1949-50 ... | 4,27,99,565 | 2,71,34,279 | 1,90,17,308 | 56 | 30 |
| 1950-51 ... | 4,45,66,015 | 3,91,66,198 | 2,72,06,716 | 39 | 31 |
| 1951-52 ... | 5,72,13,481 | 5,25,97,837 | 2,84,62,281 | 50 | 46 |
| 1952-53 ... | 5,64,18,718 | 5,46,79,091 | 3,53,53,204 | 37 | 35 |

The above figures do not include the amount on account of subvention, discount and other charges on the new loans and advances for purchases of Capital Stores, Stock and Purchases.

The Revised Estimates for 1952-53 adopted by the Corporation were Rs. 5,58,08,611 including Rs. 25,000 on account of subvention, Rs. 11,04,520 on account of charges for raising the new loan, and Rs. 5,46,847 on account of estimated expenditure under the Trust Fund but excluding Rs. 70,11,000 for purchase of Capital Stores, stock and purchases. The amount of Rs. 3,53,53,204 shown as the actual expenditure is arrived at as follows :—

| | Rs. |
|---|---|
| Expenditure as shown in the summary of Appendix No. 8 including expenditure under— | |
| Trust Fund and credit on account of assets written of ... | 3,54,89,671 |
| *Deduct*—Expenditure for raising the New Loans ... | 11,03,858 |
| | 3,43,85,813 |
| *Add*—Assets written of ... | 9,67,391 |
| Total ... | 3,53,53,204 |

16. The following table gives the classification of all the Loan Works under distinctive groups for the purpose of apparising the distinctive character and value to the City in relation to the outlay, the allocation of outstanding debt as on 31st March 1953 and the debt charges involved during 1952-53.

| Particulars of City Services. | Amount of loan out standing on 31st March 1953 | Debt Charges for 1952-53. | | | | Total Debt. Charges. |
|---|---|---|---|---|---|---|
| | | Debt Interest. | Interest accrued but not paid | Sinking Fund and repayments. | Bank's Com. and Misc Loan charges | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | |
| General Services ... | 8,48,99,868 | 29,94,030 | 2,25,734 | 60,20,467 | 6,681 | 92,46,912 |
| Self Supporting Services Water Works ... | 11,34,54,349 | 38,50,269 | 1,06,447 | 52,71,466 | 13,960 | 92,42,142 |
| Fire Brigade ... | 7,38,909 | 36,169 | 3,796 | 67,967 | 56 | 1,07,988 |
| Markets and Slaughter Houses ... | 17,90,078 | 72,888 | 6,448 | 1,72,376 | 118 | 2,51,830 |
| Total ... | 11,59,83,336 | 39,59,326 | 1,16,691 | 55,11,809 | 14,134 | 96,01,960 |
| Grand Total ... | 20,08,83,204 | 69,53,356 | 3,42,425 | 1,15,32,276 | 20,815 | 1,88,48,872 |

## SINKING FUND

17. From Appendix No. 10 it will be seen that the book value of investments of the Sinking Funds as on 31st March 1953 amounted to Rs. 4,52,15,739 made up of Rs. 4,52,15,653 being the book value of securities and Rs. 86 in cash with the Imperial Bank of India. Valuing the Municipal and Improvements Trust Debentures at par, the market value of Sinking Fund investments held on 31st March 1953 comes to Rs. 4,53,13,495, as shown in Appendix No. 16A. This together with the amount of interest accrued upto 31st March 1953, *viz.*, Rs. 2,06,101 and cash with the Imperial Bank of India of Rs. 86 brings the total amounts of Sinking Fund to Rs. 4,55,19,682 and more than covers the amount, *viz.*, Rs. 4,31,41,754 to which the Sinking Fund should have accumulated upto 31st March 1953. The excess in the Sinking Fund Investments account was thus Rs. 23,77,928.

## INVESTMENTS AND INVESTED BALANCES

18. The details of investments made during the year are as follows :—

| | Amount | Average No. of days |
|---|---|---|
| | Rs. | |
| (1) Current Account Deposits ... ... ... ... | 1,09,00,000 | 33.51 |
| (2) Fixed Deposits ... ... ... ... ... | 6,42,00,000 | 119.10 |
| (3) Call Deposits ... ... ... ... ... | 2,56,00,000 | 75.32 |
| Total ... | 10,07,00,000 | 98.72 |

The interest earned during the year amounted to Rs. 11,36,688 and the details are as follows :—

| | Rs. |
|---|---|
| (1) On Current Account Deposits ... | 8,353 |
| (2) On Fixed Deposits ... | 6,43,164 |
| (3) On Call Deposits ... | 1,53,021 |
| (4) On Investments in Public—Securities etc. ... | 3,32,150 |
| Total ... | 11,36,688 |

The average rate of interest on Current Account Deposits was 0.83 per cent. as against 0.85 per cent. in the preceding year. The average rate of interest on Call Deposits was 2.90 per cent. as against 2.24 per cent. in the preceding year. The rate realized on Call Deposits ranged from 2 per cent. to 3 per cent. The maximum rate realised on Call Deposits in the preceding year was 3 per cent. The average rate of interest on Fixed Deposits was 3.07 per cent. as against 2.29 per cent. in the preceding year. The rate realised on fixed deposits ranged from 2¾ per cent. to 3 3/8 per cent. The maximum rate realised on Fixed Deposits in the preceding year was 3 1/4 per cent.

The average rate of interest on all deposits was 2.95 per cent. as against 2.20 per cent. in the preceding year.

## RESERVE STOCK

19. The opening balance and the receipts of General Stores during the year as per books maintained in this Office were Rs. 22,91,946 and Rs. 26,61,166 respectively and the issues amounted to Rs. 18,53,252. The closing balance of General Stores was, therefore, Rs. 30,99,860 *i.e.*, more by Rs. 8,07,914 than the opening balance.

The balances of General Serviceable Stores in charge of the Controller of Stores are compared below for the last five years :—

| | Rs. |
|---|---|
| Balance at the close of 1948-49 ... | 15,49,850 |
| Do. 1949-50 ... | 18,38,214 |
| Do. 1950-51 ... | 18,58,223 |
| Do. 1951-52 ... | 22,91,946 |
| Do. 1952-53 ... | 30,99,860 |

The outstanding balance on 31st March 1953 according to Controller of Stores is Rs. 10,93,337. The difference of Rs. 20,06,523 is due to adjustments in respect of stores etc., issued by the Controller of Stores to the departments not having been returned by them to this office in time for being adjusted in the accounts of 1952-53.

## CAPITAL STORES

The opening balance of Rs. 64,74,310 together with receipts of capital stores during the year aggregate to Rs. 1,01,51,823 and the issues to Rs. 31,20,728 thus resulting in an increase of Rs. 5,56,785 in the closing balance of capital stores *viz*, Rs. 70,31,095 compared with the opening balance.

## DEPARTMENTAL STOCK VERIFICATION.

20. Detailed verification of the Reserve stores including capital stores at the central stores and the two sub-depots at Foras Road and Bellasis bridge Pipe depot for the year 1952-53 was carried out during the year as usual.

Verification of all consumable stores including stationery etc., dead-stock and Plant and machinery was continued during the year. Proposals for writing off unserviceable articles in all the Municipal Schools were scrutinized. The Programme of verification has been so arranged since December 1952 so as to pay at least one visit to each department once a year. Visits were paid during the year to 196 offices, ward chowkies, and sub-offices for verification of stores, dead-stock etc. and Plant and Machinery. The pipe Fabricating Factory and the A. E. (M. P.)'s office at Mulund were also visited and accounts of stores were teste checked.

## STREET IMPROVEMENTS

21. The provision made in the Revised Loan Works Budget for meeting claims on account of acquisition of set backs was Rs. 7,49,000 (ex-cluding Rs. 76,000 earmarked for adding set back land to the roads) the expenditure being Rs. 6,66,799. This leaves a balance of Rs. 82,201. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1953 in regard to set-backs already acquired and sanctioned to be acquired amount to Rs. 16,54,278 against which we have a provision of Rs. 6,00,000 (excluding Rs. 50,000 ear-marked for adding set-back land to the roads) in the Budget for 1953-54. In addition to this, further liabilities may be expected on account of further acquisition of set-backs that will be sanctioned during 1953-54.

## LEVELLING, METALLING, ETC., PRIVATE STREETS

22. The expenditure on the improvement of private streets is financed in the first instance from the Plant and Machinery Depreciation Fund pending recovery from the house owners.

The following statement shows the figures of advance sanctioned, expenditure incurred and recoveries made during the last five years :—

| Year. | Expenditure. | | | | Recoveries inclusive of interest and Supervision Charges |
|---|---|---|---|---|---|
| | Actual expenditure on works | Supervision Charges | Interest etc. Advance | Total | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1948-49 ... | 2,890 | 321 | 327 | 3,538 | 1,834 |
| 1949-50 ... | 8,948 | ... | 460 | 9,408 | 1,314 |
| 1950-51 ... | 1,55,302 | ... | 2,370 | 1,57,672 | 1,746 |
| 1951-52 ... | 1,02,918 | ... | 9,194 | 1,12,112 | 1,958 |
| 1952-53 ... | 78,568 | ... | 11,153 | 89,721 | 3,979 |

The amount outstanding on 1st April 1948 was Rs. 7,164 Adding Rs. 3,72,451 on account of expenditure incurred during the years 1948-49 to 1952-53 and deducting Rs.10,831 recovered during the same period the amount outstanding at the close of the year 1952-53 came to Rs. 3,68,784 (*Vide* Appendix No. 6).

## MEASURES FOR CIVIL DIFENCE

23. There is a balance of Rs. 1,738 left with us out of Rs. 1/2 lakh lodged by Government towards A. R. P. Schemes. This amount is required to set-off some old outstanding Municipal Claims for which a detailed account has been submitted to Government.

## IMPROVEMENT SCHEMES

### General Account.

### INCOME

*(000 Omitted)*

24. The total income for the year amounted to Rs. 1,12.89 against Rs. 1,13.49 for the the preceding year showing a net decrease of Rs. 60 *viz*., decreases in (*i*) contributions from Municipal Corporation Rs. 45 and (*ii*) Receipts on account of Tobacco duty Rs. 2,58 and (*iii*) Interest and profits on investments Rs. 47 counter balanced by increases in (1) Rent and other proceeds of properties by Rs. 2,83 (2) Miscellaneous receipts of Rs. 7. A detailed comparison between the Budget Estimates and actuals will be found in the Appendix No. 23.

## EXPENDITURE

25. The total expenditure for the year aggregated to Rs. 1,18,79 as against Rs. 1,10,91 for the preceding year showing an increase of Rs. 7,88 This is madeup of increase of Rs. 8,46 under maintenance of properties streets after taking into account Rs. 82 being the proportionate charges on account of cost of Management and Establishment to be adjusted hereafter and excluding Rs. 1,23 already accounted for in the accounts of 1951-52) counter balanced by decrease Rs. 58 under Debt Charges. The expenditure of Rs. 1,18,79 comprises expenditure of Rs. 42,90 (Rs. 43,31 *plus* Rs. 82 to be adjusted minus Rs. 1,23 already accounted for) under Maintenance of Properties and Streets inclusive of the cost of Management and Establishment and of Rs. 75,89 under Debt charges. Appendix No. 24 gives a comparision between the final grants and the actuals for the year.

26. The net deficit for the year amounts to Rs. 5,90 as shown in the Appendix No. 22.

## LOANS

27. The loan liabilities at the beginning of the year stood at Rs. 15,40,45,705. No loan was raised during the year.

The repayment of loan during the year amounted to Rs. 6.86,057 which was repaid to Government on the basis of equated payments out of Revenue in respect of advances taken from them. The outstanding loan liabilities at the close of the year thus stood at Rs. 15,33,59,648.

Out of this, the amount outstanding on account of Government loans shown in Appendix No. 29 as Rs. 7,99,65,648 requires some explanation as the whole amount is not really due to Government. Out of the debentures held by Government, debenturs are purchased every year for the purpose of Sinking Fund investments and the debentures thus held on 31st March 1953 amount to Rs. 4,24,00,000. The liability to Government on this account is, therefore, only Rs. 3,75,65,648.

## CAPITAL ACCOUNT

28. The opening balance on 1st April 1952 was Rs. 1,40,02,711 During the year under report, receipts on account of sale proceeds of lands and buildings amounted to Rs. 12,28,150. The total funds available were thus Rs. 1,52,30,861. Against this, the expenditure incurred on works amounted to Rs. 21,85,564. The deficit in the General Account for the year amounted to Rs. 5,89,824 and was transferred to the Capital Account. The unspent balance at the close of the year stood at Rs. 1,24,55,473.

## EXPENDITURE ON SCHEMES

29. The actual Expenditure incurred during the year on Schemes amounted to Rs. 21,85,564 as against the Revised Estimates of Rs. 61,95,628 (including Rs. 5,74,006 on account of Cost of Management and Establishment). The total expenditure on Schemes upto 31st March 1953 amounted to Rs. 20,36,38,560 of which Rs. 14,65,586 represent discount and other charges on loans.

## SINKING FUNDS

30. The position of the Sinking Fund is shown below:—

| Amount of Fund on 1st April 1952 | Interest etc., realisations | Sinking Fund Instalments | Deduct withdrawn for payment | Amount of Fund on 31st March 1953 |
|---|---|---|---|---|
| Rs. | Rs. | Rs. | Rs. | Rs. |
| 4,65,64,237 | 20,95,879 | 5,70,495 | *Nil.* | 4,92,30,611 |

From Appendix No. 28, it will be seen that in the books of accounts, the Sinking Fund as on 31st March 1953 amounts to Rs. 4,92,30,611 of which Rs. 4,92,30,400 represent the book value of the securities and Rs. 211 in cash with the Imperial Bank of India. Valuing the Bombay Improvement Trust and Municipal Debenture at par, the market value of the Sinking Fund Investments held on 31st March 1953 comes to Rs. 4,92,90,486 as shown in Appendix No. 30. This together with the amount of interest accrued upto 31st March 1953 *viz.*, Rs. 1,10,889 and cash with the Imperial Bank of India, *viz.*, Rs. 211 brings the total amount of Sinking Fund to Rs. 4,94,01,586 against Rs. 4,58,12,835 the amount to which the Sinking Fund should have accumulated upto 31st March 1953. The excess in the Sinking Fund Investment account is thus Rs. 35,88,751.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1953 comes to Rs. 15,34 lakhs. Out of this Rs. 3.24 lakhs are borrowed from Government, the repayment of which is arranged on the basis of half-yearly equated payments. The balance of Rs. 12.10 lakhs represents loans raised by issue of debentures. Out of this Rs. 4.76 lakhs are borrowed from Government and Rs. 7,34 lakhs from the public.

## LIABILITIES AND ASSETS

31. The gross Capital liabilities of the Improvement Schemes stood at Rs. 15,81,18,138 at the close of the year and the assets at Rs. 27,55,75,945 including the book value of lands comprised in Scheduled 'W' and 'K' resulting in a surplus of Rs. 11,34,57,807 the details whereof are shown in Appendix No. 25.

## EDUCATION FUND.

*(000 Omitted)*

32. The total income for the year amounted to Rs. 1,36,41 (including Rs. 99,38 being the contribution from Budgets 'A' and 'D') against the Budget Estimates of Rs. 1,45,97 and the Revised Estimates of Rs. 1,36,54 showing a decrease of Rs. 9,56 on Budget Estimate and of Rs. 13 on the Revised Estimate. The decrease of Rs. 9,56 is made up of a decrease of Rs. 9,80 in contribution from Budgets 'A' and 'D' and Rs. 1,17 in contribution from Government on account of grants on Expenditure on Sindhi Schools counterbalanced by an increase of Rs. 1,01 in Fees from Municipal Schools and of Rs. 40 in other Miscellaneous revenue. The details of income are shown in Appendix No. 32.

The final sanctioned grants amount in aggregate to Rs. 1,59,36,825 as under:—

| | Rs. |
|---|---|
| Budget Grants ... ... ... ... ... ... | 1,46,36,686 |
| Unexpended grant for previous years renewed for expenditure ... ... | 12,34,055 |
| Additional Grants ... ... ... ... ... ... | 66,084 |
| Total Rs.... | 1,59,36,825 |

The total expenditure booked was Rs. 1,32,88,368 and the total unexpended grants amounted to Rs. 26,48,457. Out of this, grants to be renewed in 1953-54 aggregate to Rs. 9,42,688 leaving a balance of Rs. 17,05,769 to be lapsed as savings. The heavy amount that has lapsed was due to curtailment of expenditure to the barest minimum on account of large deficit in the revenue.

The details of expenditure on different heads will be found in Appendix No. 33.

The assets and liabilities of the Education Fund are shown in Appendix No. 34. The liability on account of Provident Fund of the employees paid out of Education Fund as on 31st March 1953 was Rs. 1,38,02,443 (Rs. 1,33,18,890 of city employees, Rs. 4,83,553 of suburban employees). This amount is invested along with that of other employees of the Corporation and is shown in Appendix No. 6 of Budgets 'A' and 'D' Accounts.

The Endowment Funds administered by the Corporation for Primary Education are given in Appendix No. 41. Seven of the funds formerly shown in Budgets 'A' and 'D' Accounts have been transferred to Budget 'E' accounts during the year.

A loan of Rs. 10 lakhs was raised during the year as under:—

(1) Rs. 5,00,000 being the loan of Rs. 5 lakhs issued at Rs. 97-12-0 with a currency of 12 years at 4 per cent. interest raised by Public subscriptions out of Rs. 12 lakhs loan sanctioned under Corporation Resolution No. 203, dated the 19th June 1952 andG.R.F.D. No. 2000/33, dated the 19th August 1952.

(2) Rs. 5,00,000 being the loan of Rs. 5 lakhs issued at par at 4 per cent. interest with a currency of 15 years raised internally as sanctioned under Corporation Resolution No. 203, dated the 19th June 1952 and G.R.F.D. No. 2000/133, dated the 19th August 1952.

Rs. 10,00,000

The expenditure booked during the year on Capital Works amounted to Rs. 1,34,884 and that on discount and other charges on the new loan amounted to Rs. 28,012 leaving a balance of Rs. 8,37,104 to be carried forward for the ensuing year. The details of Capital Expenditure are shown in Appendix No. 36.

The opening balance of the Education Fund at the beginning of the year was Rs. 13,66,922. The transactions for the year resulted in a surplus of Rs. 3,52,277. Thus the balance at the close of the year stood at Rs. 17,19,199. Out of this, an amount of Rs. 9,42,688 is reserved for meeting the revenue expenditure for 1952-53 and the previous years to be incurred during 1953-54.The balance at the close of the year stood at Rs. 7,76,511.

The net unhypothecated Surplus Cash Balance of the Education Fund on 31st March 1953 amounted to Rs. 7,32,800 as under:—

| | Rs. |
|---|---|
| Surplus Revenue Fund as per Appendix No. 31 ... | 7,76,511 |
| *Less*—Miscellaneous Advances ... ... ... | 23,711 |
| Rs. | 7,52,800 |
| Minimum required by law ... ... | 20,000 |
| Rs. | 7,32,800 |

## STANDARD BRANCH

33. The management control indices furnished below indicate the progress of implementation of Messrs. Ibcon's recommendations on the re-organization of this department.

| Period | Actual Staff | Standard Staff | Index. |
|---|---|---|---|
| Reference prior to implementation... | 338 | 231 | 68.4 |
| March 1951 ... | 316 | 231 | 73.1 |
| March 1952 ... | 308 | 231 | 75.0 |
| March 1953 ... | 294 | 244 | 82.9 |

Staff drawn in pool have been absorbed in the department in the vacancies that arose due to transfers to and vacant posts in suburban office and also due to resignations retirement, etc.

The standard staff was revised in consultation with Messrs. Ibcon Ltd., as the workload in the billing sections increased.

From March 1953, the Standard Officer of this Department took up reorganation of the E. A. L. M.'s Department, in addition to his duties in this Department.

## GENERAL REMARKS

*(000 Omitted).*

### City (Proper)

34. At the outset it is necessary to mention one or two changes effected in the Budget.

Consequent on the passing of Bombay Act XLVIII of 1950, a separate Budget for Primary Education is prepared, *i.e.* Budget 'E' and accordingly, the Government contribution is directly credited to that Budget and contribution at 5 times the amount of the net estimated realisations of the Corporation in the financial year under General Tax divided by the rate fixed for General Tax of the financial current year, is paid from Budget 'A'

The cost of capital stores such as cement, steel etc., (primarily required for capital works) which was hitherto being met by taking advances from the Surplus Cash Balances has now been transferred to the Loan Works Budget, as it was found that due to heavy capital works programme, large amounts were locked up for this purpose with the result that the surplus cash balance was depleted to that extent. A sum of Rs. 64.74 has thus been recouped in this year.

The income for the year excluding the above recoupment was originally estimated at Rs. 822.08 expenditure at Rs. 8,80.86 and deficit at Rs. 58,78. On the basis of 8 months' actuals, the income was revised to Rs. 8,48,58, expenditure to Rs. 8,58,99 and deficit Rs. 10,41. The actual income realised was Rs. 8,45,82 (including transfer of Rs. 28,76 from B. E. S. T. Fund) and expenditure aggregated to Rs. 8,22,86 resulting in a surplus of Rs. 22,96.

The net increase of Rs. 23,74 in income compared with the original estimates, comprises of gross increases amounting to Rs. 42,72 coounterbalanced by decreases to the extent of Rs. 18,98. The main increases were under I.—General etc., Interest etc., Rs. 3,78, Miscellaneous Rs. 1,75, Water Works Rs. 18,43, Education Primary Rs. 4,88 (arrears for last year) Mechanical Rs. 1,05, Buildings Rs. 1,54, Licensing etc., Rs. 5.92, Markets etc., Rs. 3,39 and minor increases under certain other heads Rs. 198.

The main decreases in income are under General Tax Rs. 13,40, Grant-in-aid for fines Rs. 1,23, Roads etc., Rs. 86, Contribution from capital funds Rs. 2,80 and miscellaneous decreases under certain other heads Rs. 69.

As regards expenditure, the final sanctioned grants (including Renewed grants etc.,) aggregated to Rs. 9,58,63 against which the actual expenditure was Rs. 822,86, leaving an unexpended balance of Rs. 1,35,77 out of which a sum of Rs. 48,61 is being renewed for expenditure in 1953-54 and the remaining amount of Rs. 87,16 allowed to lapse as saving.

The expenditure for the year *i.e.* Rs. 822,86 compared with the previous year Rs. 792,80 shows a net increase of Rs. 30,06, *i.e.* gross increases Rs.60,74 less decreases Rs.30,68, the main increases being under Water Works Rs. 13,78, Public Health Rs. 7,09, Medical Relief and Education Rs. 7,52, Street Cleansing etc., Rs. 14,93, Roads, etc., Rs. 1,96 Markets etc., Rs. 1,97, Dearness Allowance Rs. 5,50, Contribution to Budget D Rs. 2,96, Cyclone Damage Rs. 3,13 and minor increases under certain other heads Rs. 1,90, the main decreases being under Education (Primary) Rs. 23,41 (as explained earlier), Mechanical Rs. 4,94 and under certain other heads Rs. 2,33.

Against the Departmental requirements of about Rs. 62,00, a sum of Rs. 48,61 is proposed to be renewed providing for only such grants as could be possibly spent by 1st October next. It is to be hoped that the departments would take timely steps to spend the provisions within the financial year, instead of carrying indefinite liabilities to future years.

The net unhypotecated surplus cash balance (including minimum required by law) at the beginning of the year was Rs. 15,75. The transactions for the year resulted in a revenue surplus of Rs. 22,96 and after recouping the sum of Rs. 64,74 on account of capital stores (as explained earlier) and taking into account the amount advanced for capital expenditure (Rs. 45.64) and the increase in reservation for other advances the closing surplus cash balance stood at Rs. 52,82. It may be added that the sum of Rs. 45,64 and Rs. 5,57 advanced for capital expenditure and purchase of capital stores respectively will be recouped on the raising of the new Loan in 1953-54.

The expenditure estimated for the year on loan works as detailed in para. No. 15 was Rs. 5,64,19 revised Rs. 5,46,79 against which actuals amounted to Rs. 3,53,53. Thus the actuals fell short of the Budget and Revised Estimates by 37 per cent. and 35 per cent. respectively.

The position regarding Sinking Fund is satisfactory, as there is still an excess accumulation of Rs. 23,78 on 31st March 1953. In addition to this, a sum of Rs. 52.51 is to the credit of Net Premia Fund which is intended as a reserve for making good any deficit in the market value of Sinking Fund Investments.

### Improvement Schemes

The total income amounted to Rs. 1,12,89 and expenditure Rs. 1,18,79, resulting in a deficit of Rs. 5,90. The position of this Sinking Fund is also satisfactory, as there is still an excess accumulation of Rs. 35,89.

### Education Fund

The income was Rs. 1,36,41 made up of Rs. 89,59 and Rs. 9,79 being contributions from Budgets A and D and Rs. 25.09 and Rs. 5.50 grants-in-aid from Government for the City and Suburbs and Rs. 6.44 Miscellaneous Receipts. The expenditure was Rs. 1.32.88 (City Rs. 1.16.49 and Suburbs Rs. 16.39).

## General

In the recent years, the financial position of the Corporation has given rise to considerable anxiety due to income not keeping pace with mounting expenditure with the result that the Corporation have had to increase the rate of General Tax at one stroke by 3 per cent this year (so as to yield an estimated extra income of Rs. 60.00) and also to resort to the expedient of transferring advances for the cost of capital stores to the Loan Works Budget to give relief to the S. C. B. The income from General Tax is a major source of Municipal Revenue and the rate of this tax now stands at 17 per cent. against the statutory maximum of 21 per cent. leaving a bare margin of 4 per cent. only. It is a matter of some satisfaction that, after 3 continuous years of deficits, this year has ended with a surplus. This has been the result not so much of any indiscriminate pruning of schemes as of a determined policy of rigidly controlling the expenditure on staff and keeping down demands for additional grants. The situation, however, is not one for any complacency; for improvements in the present level of services and the provisions of better amenities, both make pressing demands. If these are to be met to a reasonable degree, as they must, the need for augmenting the sources of income remains as important as ever.

Before conclusion I would like to add that the staff have done their duties with commendable zeal.

T. V. DORAISWAMY,
*Chief Accountant.*

*Statement 'A' showing main items contributing to the increases and decreases in Income for 1952-53 (Actuals compared with Original Estimates):—*

| Budget Head. | Amount of Increase. | Amount of Decrease. | REMARKS. |
|---|---|---|---|
| | Rs. | Rs. | |
| 1. General Tax, Indirect Taxation and Miscellaneous Revenue— | | | |
| A.—General Tax ... ... | | 13,40,054 | Main decrease under tax from the Public *i.e.*, Rs. 10,63,516 and from Port Trust Rs. 5,78,006 due to non-finalisation of assessment of B.P.T. properties from the quinquinmiu 1944-49 counterbalanced by increase under tax from Mills Rs. 2,28,049 and from Improvement schemes Rs. 1,11,028. |
| D.—Grant-in-aid in respect of Fines for offences against the law. | ... | 1,23,272 | Due partly to decrease in the number of cases and partly to decrease in the amount of fines levied for offences against the Law. |
| E.—Interest and profit on investments of surplus Loan and other balances | 3,77,704 | ... | Due to larger balances available for investments and larger amounts held in securities. |
| F.—Interest and profit on Plant and Machinery Depreciation Fund. | 43,489 | ... | Due to more balances being available for investment. |
| G.—Miscellaneous ... | 1,75,486 | ... | Mainly under Miscellaneous receipts (Rs. 1,73,269 and miscellaneous fees 11,546) counterbalanced by decrease under Rent of Buildings and lands (Rs. 9,948). |
| 2 Water Works and other Miscellaneous Water Works Revenue. | 18,43,452 | ... | Increase mainly under water tax by measurement Rs. 18,47,684 and compounded Tax Rs. 1,50,471, counterbalanced by decrease of Rs. 2,59,904 under rateable value. |
| 3. Education (Primary) ... | 4,87,586 | ... | Due to arrears for 1951-52 having been received in 1952-53. |
| 5. Public Health Department ... | 37,510 | ... | Increase mainly under Miscellaneous Receipts. and miscellanous fees. |
| 6. Medical Relief and Education. | 38,900 | ... | Main in-crease under Receipts from G. S. M. College (Rs. 18,860), Receipts from K. E. M. Hospital (Rs. 8979). Grant in from Government in respect of excise duty etc,fors pirituous articles (Rs. 25,685) Receipts from Nair Hospital Dental College (Rs. 10,550) Receipts from M. G. H-Sion (Rs. 34,468) counterbalanced a by decrease s of Rs. 86,369 under Grant-in-aid from Govt. for the T.N.M. College. |
| 7. Street Cleansing Conservancy Road Watering, etc. | 42,456 | ... | Mainly under sale of rights and Rent of Buildings. |
| 8. Roads, S. W. Drains & Public lighting— | | | |
| A.—Wheel Tax and Government Contribution in lieu of Tolls. | ... | 1,73,757 | Decrease under wheel Tax for Private conveyances (Rs. 1,48,924). and Rs. 24,833 under Public conveyances due to reduced number of private and Public Vehicles especially Hack Victorias. |
| B.—Ground Rent ... | 11,886 | ... | Increase due to the arrears of the last year having been recovered during this year. |
| C.—Miscellaneous ... | 76,473 | ... | Mainly under Miscellaneous Receipts, Fees, and rent of Buildings. |
| 9. Mechanical ... | 1,05,138 | ... | Increase is mainly under Miscellaneous receipts due to more recovery of sale of sludge Gas. |

*Statement 'A' showing main items contributing to the increases and decreases in Income for 1952-53 (Actuals compared with Original Estimates):—*

| Budget Head. | Amount of Increase. | Amount of Decrease. | Remarks. |
|---|---|---|---|
| | Rs. | Rs. | |
| 10. Buildings, Land Acquisition and Management. | 1,53,553 | ... | Increase under Sale proceeds of surplus land and Indemnity for raising additional floor, (Rs. 2,12,758), Rent of Buildings Rs. 5,305 Miscellaneous receipts Rs. 1,86,35 counter-balanced by decrease of Rs. 26,114 under Ground Rent and Rs. 57,031 under miscellaneous fees. |
| 11. Fire Brigade ... | 27,482 | ... | Mainly under miscellaneous receipts. |
| 12. Licensing, Removal of Encroachments on Public Streets, etc. | 5,91,988 | ... | Net increase is made up of Rs. 2,73,553 under Licences for dangerous and Offensive trades and Rs. 1,11,213 under Licences for Squatters and Hawkers, Rs. 564 under registration fees, Rs. 632 under Miscellaneous Receipts, Rs. 47,322 under advertisements, Rs. 2,69,366 under receipts from Theatre Tax counterbalanced by decrease of Rs. 1,10,138 under Grant-in-aid from Government for the Administration of Shops and Establishment Act due to lesser receipts on account of fines for prosecutions for infringement of the provisions of the Shops and Establishment Act and Rs. 524 under Miscellaneous recipts |
| 13. Gardens and Open Spaces ... | ... | 21,761 | Mainly under Rent of Buildings and land on account of non-recovery of rent due from Royal Western India Turf Club for January, February and March 1953. |
| 14. Markets and Slaughter Houses | 3,38,808 | ... | Net increase is made up of Rs. 40,895 under stallage charges due to increased demand for stalls, Rs. 1,20,282 under squatters fees due to increased demand for squatters spaces resulting in obtaining high bids, Rs. 20,184 under fair ground and feeding fees, Rs. 18,527 under slughter fees, Rs. 6,950 under rent of buildings and land Rs. 1,43,983 under Miscellaneous receipts counter-balanced by decrease of Rs. 2,118 under cold storagerent and Rs. 9,895 under licence fees from Private Market owners. |
| 15. Contribution from Capital Funds to Revenue on account of Loan Works Staff. | ... | 2,80,352 | Due to less expenditure on Capital Works. |
| 16. Extra-ordinary Receipts ... | 4,184 | ... | Due to larger amounts being available for investments in securities. |
| 17. Rebate from Government on account of collection of U.I.P. Tax in the City. | ... | 21,044 | Based on actual realisation of U.I.P. Tax, due to reduction in the rate of U.I.P. Tax from 1-10-1952 from 7 per cent. to 5 per cent. in the case of properties whose rateable value is above Rs. 2,000 and from 3½ per cent. to 2½ per cent. in the case of properties having a rateable value upto Rs. 2,000. |
| 18. Transfer from B. E. S. & T. Fund. | ... | 17,918 | Decrease due to less realizations of receipts under section 460LL (1)(*d*) of the Act. |

**Summary of Increases and Decreases in Income compared with the Budget Estimates**

(000 *Omitted*).

| | | Increase. | Decrease. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| General Tax— | | | |
| From Public | — 1,064 ... | | |
| From Government | — 19 ... | | |
| From Port Trust | — 578 ... | | |
| From Central Railway | — 8 ... | | |
| From Western Railway | — 10 ... | | |
| | — 1,679 | | |
| From Improvement Schemes Properties | + 111 ... | | |
| From Mills | + 228 ... | | |
| | + 339 ... | | 13,40 |
| Town Duties | ... | | 8 |
| Grant-in-aid of the fees for Land Conveyance etc. | ... | 2 | |
| Grant-in-aid in respect of fines for offences against the law | ... | | 1,23 |
| Interest and profit on investments of surplus loans and other balances | ... | 3,78 | |
| Interest on Plant and Machinery Depreciation Fund | ... | 43 | |
| Miscellaneous | ... | 1,75 | |
| Water Works | ... | 18,43 | |
| Education Primary | ... | 4,88 | |
| Education Secondary | ... | 2 | |
| Public Health | ... | 38 | |
| Medical Relief and Education | ... | 39 | |
| Street Cleansing and Conservancy | ... | 43 | |
| Roads, S. W. Drains and Public lighting | ... | ... | 86 |
| Mechanical | ... | 1,05 | |
| Building Land Acquisition and Management | ... | 154 | |
| Fire Brigade | ... | 27 | |
| Licensing and Removal of Encroachments | ... | 5,92 | |
| Gardens and Open spaces | ... | ... | 22 |
| Markets and Slaughter Houses | ... | 339 | |
| Contribution from Capital Funds to Revenue on account of Loan Work Staff | ... | ... | 2,80 |
| Extra-ordinary Receipts | ... | 4 | |
| Rebate from Government on account of Collection of Urban Immoveable Property Tax | ... | | 21 |
| Transfer from B. E. S. & T. Fund | ... | ... | 18 |
| Total | ... | 42,72 | 18,98 |
| Gross increases Rs. | ... | 42,72 | |
| Gross decreases Rs. | ... | ... | 18,98 |
| Net increase Rs. | ... | 23,74 | ... |

*Statement 'B' showing the analysis of amounts to be renewed for expenditure in 1953-5 and amounts of savings out of the grants for 1952-53 after allowing for renewal under different Service Heads.*

*(000 Omitted)*

| Budget Head. | | Establishment and Labour. | Stores and Materials. | New Works, works from P.W.R., Special Repairs, etc. | Debt Charges. | Specific Items. | Miscellaneous. | Total. | | Grand Total. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | A | B | |
| | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I.—General Supervision, Collection of Revenue, etc. | A | 10 | ... | 63 | ... | ... | *159 | 232 | ... | |
| | B | 220 | ... | 30 | 27 | ... | *203 | ... | 480 | 712 |
| II.—Water Works ... | A | 25 | ... | 273 | 343 | ... | 93 | 734 | ... | |
| | B | 53 | ... | 187 | 446 | ... | 62 | ... | 748 | 14,82 |
| III.—Contribution to Education Fund under Section 126(c) of the Bombay Municipal Corporation Act. | A | ... | ... | ... | ... | ... | ... | ... | ... | |
| | B | ... | ... | ... | ... | 10,86 | ... | ... | 10,86 | 10,86 |
| IV.—Education, Secondary ... | A | ... | ... | 4 | ... | ... | ... | 4 | ... | |
| | B | 7 | ... | ... | ... | ... | 6 | ... | 13 | 17 |
| V.—Public Health Department. | A | 39 | 43 | 29 | 4 | ... | 279 | 394 | ... | |
| | B | 291 | 54 | 14 | 65 | ... | 232 | ... | 656 | 10,50 |
| VI.—Medical Relief & Education | A | 26 | 133 | 226 | 3 | ... | 377 | 765 | ... | |
| | B | 133 | 136 | 96 | 113 | ... | 264 | ... | 742 | 15,07 |
| VII.—Street Cleansing and Conservancy, etc. | A | 75 | 111 | 411 | 26 | ... | 434 | 10,57 | .... | |
| | B | 411 | 94 | 488 | 485 | ... | 452 | ... | 1930 | 29,87 |
| VIII.—Roads, S. W. Drains and Public Lighting | A | 1 | ... | 365 | 17 | ... | 307 | 690 | ... | |
| | B | 138 | ... | 337 | 293 | ... | 122 | ... | 890 | 15,80 |
| IX.—Mechanical ... | A | 1 | ... | 36 | ... | ... | 17 | 54 | ... | |
| | B | 53 | 2 | 37 | 2 | ... | 7 | ... | 101 | 155 |
| X.—Buildings, Land Acquisition and Management. | A | 6 | ... | 10 | 7 | ... | 18 | 41 | ... | |
| | B | 150 | ... | 13 | 12 | ... | Cr. * 87 | ... | 88 | 129 |
| XI.—Fire Brigade ... | A | ... | 27 | 51 | ... | ... | 47 | 125 | ... | |
| | B | 11 | ... | 6 | 19 | ... | 17 | ... | 53 | 178 |
| XII.—Licensing, Removal of Encroachment, etc. | A | 2 | ... | 11 | ... | ... | 5 | 18 | ... | |
| | B | 30 | ... | 1 | | | 6 | ... | 37 | 55 |
| XIII.—Gardens and Open Spaces | A | 1 | ... | 81 | ... | ... | 24 | 106 | ... | |
| | B | 6 | ... | 28 | 3 | ... | 3 | ... | 40 | 146 |
| XIV.—Markets and Slaughter Houses. | A | 4 | 13 | 116 | ... | ... | 58 | 191 | ... | |
| | B | 51 | 1 | 27 | 15 | | 17 | ... | 111 | 302 |
| XV.—Contribution towards Improvement Schemes. | A | ... | ... | ... | ... | ... | ... | ... | ... | |
| | B | ... | ... | ... | ... | 434 | ... | ... | 434 | 434 |
| XVI.—Provident Fund, Pensions etc. (including P. F. under II, XI and XIV). | A | ... | ... | ... | ... | 32 | ... | 32 | ... | |
| | B | ... | ... | ... | ... | 215 | ... | ... | 215 | 247 |
| XVII.—U. I. P. Tax ... | A | ... | ... | ... | ... | 1 | ... | 1 | ... | |
| | B | ... | ... | ... | ... | 6 | ... | ... | 6 | 7 |
| XVIII—Dearness Allowance (including D. A. under II, XI and XIV). | A | ... | ... | ... | ... | 30 | ... | 30 | ... | |
| | B | ... | ... | ... | ... | 806 | ... | ... | 806 | 836 |
| XIX.—Grants-in-Aid ... | A | ... | ... | ... | ... | 338 | ... | 338 | ... | |
| | B | ... | ... | ... | ... | 52 | ... | ... | 52 | 390 |
| XX.—Contribution to Budget 'D' | A | ... | ... | ... | ... | ... | ... | ... | ... | |
| | B | ... | ... | ... | ... | 104 | ... | ... | 104 | 104 |
| XXI.—Rent of Buildings ... | A | ... | ... | ... | ... | 29 | ... | 29 | ... | |
| | B | ... | ... | ... | ... | 59 | ... | ... | 59 | 88 |
| XXII.—Damage caused by cyclone in 1948 | A | ... | ... | ... | ... | 20 | ... | 20 | ... | |
| | B | ... | ... | ... | ... | 65 | ... | ... | 65 | 85 |
| Total A ... | | 190 | 327 | 16,76 | 400 | 450 | 18,18 | 48,61 | ... | |
| Tatol B ... | | 15,54 | 2,87 | 12,64 | 14,80 | 28,27 | 13,04 | ... | 87,16 | ... |
| Grand Total ... | | 17,44 | 6,14 | 29,40 | 18,80 | 32,77 | 31,22 | 48,61 | 87,16 | 1,35,77 |

* Proportion chargeable to Improvement Schemes Account has been deducted from this.

A—Renewals.

B—Savings.

# APPENDICES

## Municipal Account.

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No. 2.—Statement of Surplus Revenue Fund for 1952-53.
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No. 8.—Block Account, showing details of Capital Expenditure upto 31st March 1953.
No. 9.—Statement showing (1) the total amount of Municipal loans raised,(2) the expenditure incurred there against and (3) the invested balance of the loans on 31st March 1953.
No. 10.—Statement showing the actual investiment on account of the Sinking Fund of different Municipal Loans upto 31st March 1953 compared with the amounts which should have accumulated upto that date on the basis of the fixed instalments and the sums set aside as Sinking Fund as at 31st March 1953.
No. 11.—Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1952 on the different loans, the amount payable for the year 1952-53, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1953.
No. 12.—Water Works, Income and Expenditure Account, including statement of income realizations for 1952-53 and preceeding 5 years from Water supply through meters.
No. Supplimentary to No. 12 Statement showing the quantity of water by meter supplied during 1946-47 to 1952-53.
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No. 14.—Municipal Printing Press, Income and Expenditure for the year 1952-53.
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No. 14D.—Statement of Reserve Strores Stock Accounts for 1952-53.
No. 14E.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1953.
No. 15.—Statement of amounts of receipts and expenditure respectively, credited and debited to the Municipal Fund during the year 1952-53 and the balane at the credit of the fund at the close of the year 1952-53 (*i.e.*, 31st March 1953).
No. 16.—Comparison of Face, Purchase and Market values at 31st March 1953 of the different securities held in the Special Funds.
No. 16A.—Comparison of Face, Purchase and Market values at 31st March 1953 of the different securities held in the Sinking Funds.
No. 16B.—Statement showing the amount of and the object for which the donations held under Public Monuments Maintenance Fund were received from different parties upto 31st March 1953.
No. 16C.—Statement showing the amount of and the object for which the endowments held under Endowments Fund were received from different parties upto 31st March 1953.
No. 17.—Statement of Town Duties collected and refunds allowed in 1952-53.
No. 18.—Statement of the Income of the Bombay Municipality from 1932-33 to the close of the financial year 1952-53.
No. 19.—Statement of the Expenditure of the Bombay Municipality from 1932-33 to the close of the financial year 1952-53.
No. 20.—Contracted statement of Income and Expenditure from the year 1932-33 to the financial year 1952-53.

## Improvement Schemes Account.

No. 21.—General Financial Statistics.
No. 22.—General Account for the year 1952-53.
No. 23.—General Account for 1952-53—Details of Income.
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No. 26.—Block Account showing Capital Expenditure upto 31st March 1953.
No. 27.—Statement showing scheduled lands as specified in the Schedules W to Z annexed to Act XIII of 1933.
No. 28.—Statement showing the actual investments on account of the Sinking Fund of different Improvement Trust Loans upto 31st March 1953 compared with the amounts which should have accumulated upto that date on the basis of the fixed instalments and the sums set aside as Sinking Fund, as at 31st March 1953.
No. 29.—Statement showng outstanding loans of the Bombay Improvement Trust due by the Municipality, the interest outstanding on 1st April 1952 on the different loans, the amount payable for the year 1952-53, the amount paid during the year and the balances outstanding on 31st March 1953.
No. 30.—Comparison of Face, Purchase and Market values at 31st March 1953 of the different securities held in the Sinking Fund.,

## Education Fund.

No. 31.—Revenue Account for the year ended 31st March 1953.
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No. 35.—Capital Fund Balance Sheet as at 31st March 1953.
No. 36.—Block Account showing details of Capital Expenditure upto 31st March 1953.
No. 37.—Statement showing oustanding loan due by the Municipality, the interest outstanding on 1st April 1952 on different loans, the amount payable for the year 1952-53, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1953.
No. 38.—Statement of Advances for 1952-53.
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No. 40.—Statement showing the amounts of receipts and Expenditure respectively credited and debited to the Education Fund during the year 1952-53 and the balance at the credit of the fund at the close of the year 1952-53 (*i.e.*, 31st March 1953).
No. 41.—Statement showing the amount of and object for which the endowments held under the Endowment Fund were received from different parties upto 31st March 1953.

## APPENDIX No. 1

### *General Financial Statistics*

| —— | 1948-49. | 1949-50. | 1950-51 | 1951-52. | 1952-53. |
|---|---|---|---|---|---|
| *General.* | | | | | |
| 1. Area of the City (acres) | 16,761 | 16,761 | 16,761 | 16,761 | 16,761 |
| 2. Population ... | 14,89,883 A<br>27,40,933 B | 14,89,883 A<br>27,71,282 B | * 23,25,945 | * 23,25,945 | * 23,25,945 |
| *Rates and Assessments.* | | | | | |
| 3. Rateable value Rs. | 19,38,46,730 | 20,17,48,106 | 20,35,42,407 | 21,00,54,130 | 21,99,08,994 |
| 4. Rateable value per head of population. | Rs. 130-1-9 A<br>„ 70-11-7 B | Rs. 135-6-7 A<br>72-12-9 B | *Rs. 87-8-11 | *Rs. 90-4-11 | *Rs. 94-8-8 |
| 5. Properties registered in the Assessment Book | 51,890 | 52,360 | 53,280 | 53,865 | 54,079 |
| *Income.* | Rs. | Rs. | Rs. | Rs. | Rs. |
| | at 14 per cent. | at 14 per cent. | at 14 per cent. | at 14 per cent. | at 17 per cent. |
| 6. General Tax ... | 2,37,30,441 | 2,50,40,901 | 2,61,90,737 | 2,57,58,248 | 3,22,51,699 |
| 7 Income from other sources ... | 4,76,55,916† | 4,54,41,227†† | 4,57,92,903††† | 5,13,92,466†††† | 5,23,30,076 |
| Total Income Rs. | 7,13,86,357 | 7,04,82,128 | 7,19,83,640 | 7,71,50,714 | 8,45,81,775 |
| 8. Incidence of Taxation per head ... | Rs. 35-8-1 A<br>„ 19-4-9 B | Rs. 38-5-1 A<br>Rs. 20-9-7 B | Rs. 24-13-3 | Rs. 26-6-2 | Rs. 30-4-1 |
| *Loans.* | Rs. | Rs. | Rs. | Rs. | Rs. |
| 9. Debt outstanding ... | 12,66,56,653 | 13,05,85,993 | 15,17,18,690 | 17,38,54,303 | 20,08,83,204 |
| 10. Redemption and Sinking Funds in hand or invested ... | 4,09,37,068 | 3,90,70,382 | 3,73,87,994 | 4,24,22,631 | 4,52,15,739 |
| 11. Net Loan Debt ... | 8,57,19,585 | 9,15,15,611 | 11,43,30,696 | 13,14,31,672 | 15,56,67,465 |
| 12. Net Debt per head of population ... | Rs. 57-8-7 A<br>„ 31-4-5 B | Rs. 61-6-9 A<br>Rs. 33-0-4 B | Rs. 49-2-5 | Rs. 56-8-1 | Rs. 66-14-9 |
| *Expenditure.* | Rs. | Rs. | Rs. | Rs. | Rs. |
| 13. *Water Works*—Maintenance ... | 40,24,388 | 39,12,384 | 37,79,918 | 38,87,841 | 41,06,288 |
| Debt Charges ... | 59,87,670 | 60,18,011 | 66,57,676 | 79,86,078 | 92,42,142 |
| 14. Primary Education ... | 99,05,847 | 97,00,196 | 1,02,14,754 | 1,13,00,121 | 89,59,064 |
| 15. Medical Relief and Education ... | 48,01,853 | 54,94,644 | 63,36,012 | 71,09,192 | 78,65,585 |
| 16. Other City services ... | 3,65,94,392 | 3,67,75,439 | 3,94,66,563 | 4,07,51,554 | 4,22,07,879 |
| 17. Works out of P.W.R. Fund ... | 4,33,715 | 19,57,719 | 10,90,324 | 5,04,689 | 2,97,972 |
| 18. Debt Charges—excluding Water Works... | 71,31,363 | 71,63,885 | 72,87,488 | 77,40,450 | 96,06,731 |
| Total Expenditure Rs. ... | 6,88,79,228 | 7,10,22,278 | 7,48,32,735 | 7,92,79,925 | 8,22,85,661 |

* As per Census 1951.
A :—As per Census.
B :—As per Rationing Authority.
† Includes transfer of Rs. 28,88,151 from P. W. R. Fund, Rs. 50 lacs grant in aid
†† Includes transfer of Rs. 19,69,564 from P.W. R. Fund.
††† Includes transfer of Rs. 7,75,700 from P.W.R. Fund.
†††† Includes transfer of Rs. 7,29,946 from P.W.R. Fund.

T. V. DORAISWAMY,
*Chief Accountant,*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 2

*Revenue Account for the year ended 31st March 1953*

| Particulars | | | Total | Particulars | | | Total |
|---|---|---|---|---|---|---|---|
| | | | Rs. a. p. | | | | Rs. a. p. |
| To Revenue Expenditure as per Appendix No. 4 ... | | ... | 8,22,85,660 10 10 | By Revenue Receipts as per Appendix No. 3 | | ... | 8,45,81,775 4 5 |
| „ Balance being Surplus for the year ... | | ... | 22,96,114 9 7 | | | | |
| | | | 8,45,81,775 4 5 | | | | 8,45,81,775 4 5 |
| | Rs. a. p. | | | | Rs. a. p. | | |
| To Contribution towards Improvement Schemes during 1953-54 ... | 39,11,482 0 0 | | | By Surplus Revenue Fund as at 1st April 1952 ... | | | 1,50,49,507 0 7 |
| „ Revenue Expenditure to be incurred in 1953-54 and provided for as renewed grants ... | 48,61,304 0 0 | | | „ Surplus for the year ... | | | 22,96,114 9 7 |
| | | 87,72,786 0 0 | | „ Revenue of previous year renewed for payment of contribution towards Improvement Schemes during 1952-53 ... | 40,18,077 0 0 | | |
| „ Balance being Surplus Revenue Fund as at 31st March 1953 as per Appendix No. 5 ... | | 1,79,27,789 10 2 | | „ Revenue of previous years reserved for the year 1952-53 ... | 53,36,877 0 0 | | 93,54,954 0 0 |
| | | 2,67,00,575 10 2 | | | | | 2,67,00,575 10 2 |

T. V. DORAISWAMY,
*Chief Accountant,*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 3

## INCOME

*Statement showing the Net Receipts during the Financial Year 1952-53 from all sources as contrasted with the Original and Revised Budget Estimates*

| Particulars. | Budget Estimate for 1952-53. | Revised Estimate for 1952-53. | Actuals for 1952-53. | Actuals for 1951-52. | Compared with Budget Estimate. + Increase —Decrease. | Compared with Revised Estimate. +Increase —Decrease. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **1.—General Tax, Indirect Taxation and Miscellaneous Revenue.** | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| A.—General Tax at 17 per cent.— | | | | | | |
| (1) From the Public ... | 2,81,22,036 | 2,83,97,250 | 2,70,58,520 | 2,15,88,023 | — 10,63,516 | — 13,38,730 |
| (2) From Government ... | 3,07,443 | 4,67,632 | 2,88,275 | 2,43,212 | — 19,168 | — 1,79,357 |
| (3) From Port Trust ... | 19,38,888 | 19,38,883 | 13,60,882 | 11,22,174 | — 5,78,006 | — 5,78,001 |
| (4) For Improvement Schemes Properties ... | 5,30,108 | 5,30,167 | 6,41,196 | 4,19,257 | + 1,11,028 | + 1,11,029 |
| (5) From Mills ... | 20,74,577 | 19,60,014 | 23,02,626 | 18,76,082 | + 2,28,049 | + 3,42,612 |
| (6) From Central Railway ... | 3,50,790 | 3,50,789 | 3,42,722 | 2,88,887 | — 8,068 | — 8,067 |
| (7) From Western Railway ... | 2,67,851 | 2,67,854 | 2,57,478 | 2,20,583 | — 10,373 | — 10,376 |
| | 3,35,91,753 | 3,39,12,589 | 3,22,51,699 | 2,57,58,248 | — 13,40,054 | — 16,60,890 |
| B.—Town Duties— | | | | | | |
| (1) Through Port Trust ... | 35,00,000 | 30,00,000 | 27,21,758 | 35,65,558 | — 7,78,242 | — 2,78,242 |
| (2) Through Central Railway ... | 35,00,000 | 40,00,000 | 40,91,076 | 36,55,806 | + 5,91,076 | + 91,076 |
| (3) Through Western Railway ... | 15,00,000 | 15,00,000 | 14,96,657 | 13,66,322 | — 3,343 | — 3,343 |
| (4) Through T.D. Deptt. ... | 7,00,000 | 7,00,000 | 7,02,131 | 7,15,218 | + 2,131 | + 2,131 |
| | 92,00,000 | 92,00,000 | *a* 90,11,622 | 93,02,904 | — 1,88,378 | — 1,88,378 |
| *Deduct*—Refunds and Commission charges ... | 22,00,000 | 22,00,000 | *b* 20,19,274 | 24,51,570 | — 1,80,726 | — 1,80,726 |
| | 70,00,000 | 70,00,000 | 69,92,348 | 68,51,334 | — 7,652 | — 7,652 |
| C.—Grant-in-aid of the fees for Land, Conveyance, Music etc, Licences ... | 8,000 | 9,600 | 9,506 | 8,708 | + 1,506 | — 94 |
| D.—Grant-in-aid in respect of fines for offences against the Law ... | 4,30,000 | 4,50,000 | 3,06,728 | 5,52,394 | — 1,23,272 | — 1,43,272 |
| E.—Interest and Profit on Investments of Surplus Loan and other Balances ... | 5,75,000 | 7,00,000 | 9,52,704 | 7,15,691 | + 3,77,704 | + 2,52,704 |
| F.—Interest and Profit on Plant and Machinery Depreciation Fund ... | 1,00,000 | 1,50,000 | 1,43,489 | 1,40,077 | + 43,489 | — 6,511 |
| G.—Miscellaneous | | | | | | |
| (1) Contribution from Municipal servants towards Pensions etc., Fund ... | 16,000 | 16,000 | 16,619 | 19,610 | + 619 | + 619 |
| (2) Miscellaneous receipts ... | 1,20,000 | 1,10,000 | 2,93,269 | 1,69,755 | + 1,73,269 | + 1,83,269 |
| (3) Miscellaneous fees ... | 19,500 | 20,000 | 31,046 | 22,962 | + 11,546 | + 11,046 |
| (4) Rent of buildings and lands ... | 1,13,440 | 1,02,955 | 1,03,492 | 1,05,468 | — 9,948 | + 537 |
| | 2,68,940 | 2,48,955 | 4,44,426 | 3,16,795 | + 1,75,486 | + 1,95,471 |
| | 4,19,73,693 | 4,24,71,144 | 4,11,00,900 | 3,43,43,247 | — 8,72,793 | — 13,70,244 |
| **2.—Water Works.**—Water Tax and other Miscellaneous Water Works Revenue— | | | | | | |
| A—On Ratable Value at 3¾ percent ... | 56,15,000 | 56,01,447 | 53,55,096 | 53,30,629 | — 2,59,904 | — 2,46,351 |
| B—By Measurement per 1,000 gallons ... | 98,97,750 | 1,07,86,703 | 1,17,45,434 | 1,02,73,354 | + 18,47,684 | + 9,58,731 |
| C—Rent of Water Meters ... | 1,07,000 | 1,20,165 | 1,25,375 | 1,08,364 | + 18,375 | + 5,210 |
| D—Compounded Tax ... | 3,39,000 | 4,97,980 | 4,89,471 | 4,55,166 | + 1,50,471 | — 8,509 |
| E—Rent of Buildings and Lands ... | 18,500 | 24,680 | 29,925 | 22,210 | + 11,425 | + 5,245 |
| | 1,59,77,250 | 1,70,30,975 | 1,77,45,301 | 1,61,89,663 | + 17,68,051 | + 7,14,326 |
| F—Miscellaneous— Miscellaneous receipts ... | 84,850 | 1,14,763 | 1,60,038 | 1,84,312 | + 75,188 | + 45,275 |
| G—Fees for water connections ... | 1,08,000 | 1,08,000 | 1,08,213 | 1,00,370 | + 213 | + 213 |
| | 1,61,70,100 | 1,72,53,738 | 1,80,13,552 | 1,64,74,345 | + 18,43,452 | + 7,59,814 |
| **3.—Education (Primary).** | | | | | | |
| Contribution from Government ... | * | 4,87,500 | 4,87,586 | 19,24,525 | + 4,87,586 | + 86 |
| Miscellaneous receipts ... | ... | ... | ... | 515 | ... | ... |
| | * | 4,87,500 | 4,87,586 | 19,25,040 | + 4,87,586 | + 86 |
| **4.—Education (Secondary).** | | | | | | |
| Miscellaneous— Miscellaneous receipts ... | 1,800 | 1,350 | 3,959 | 2,085 | + 2,159 | + 2,609 |
| **5.—Public Health Department.** | | | | | | |
| A.—Interest realised on Donations ... | 75 | 75 | 75 | 75 | ... | ... |
| B.—Miscellaneous— | | | | | | |
| (1) Miscellaneous receipts ... | 12,600 | 12,185 | 27,102 | 35,108 | + 14,502 | + 14,917 |
| (2) Miscellaneous fees ... | 1,30,000 | 1,42,440 | 1,44,744 | 1,27,824 | + 14,744 | + 2,304 |
| (3) Rent of Buildings and Lands ... | 93,000 | 94,830 | 97,448 | 95,023 | + 4,448 | + 2,618 |
| (4) Sale of rights ... | 785 | 785 | 785 | 765 | ... | ... |
| (5) Receipts from the Mahatma Gandhi Memorial Olympic Swimming Pool ... | ... | 15,000 | ... | ... | ... | — *15,000 |
| | 2,36,385 | 2,65,240 | 2,70,079 | 2,58,720 | + 33,694 | + 4,839 |
| C.—Grant-in-aid from Government for the duty free supply of Spirituous Medical Preparations for the use of Hospitals and Dispensaries ... | 6,000 | 8,100 | 6,796 | 3,884 | + 796 | — 1,304 |
| D.—Tax on Dogs ... | 40,700 | 41,715 | 43,720 | 40,993 | + 3,020 | + 2,005 |
| | 2,83,160 | 3,15,130 | 3,20,670 | 3,03,672 | + 37,510 | + 5,540 |
| Carried forward Rs. ... | 5,84,28,753 | 6,05,28,862 | 5,99,26,667 | 5,30,48,389 | + 14,97,914 | — 6,02,195 |

(*a*) These are net receipts after deducting Commission charges amounting to Rs. 2,71,675.
(*b*) This is exclusive of Commission charges amounting to Rs. 2,71,675.
* Provisions transferred to Budget 'E'.

## Appendix No. 3—(*Contd.*)

## INCOME

*Statement showing the Net Receipts during the Financial year 1952-53 from all sources as contrasted with the Original and Revised Budget Estimates*

| Particulars. | Budget Estimate for 1952-53. | Revised Estimate for 1952-53. | Actuals for 1952-53. | Actuals for 1951-52. | Compared with Budget Estimate. +Increase —Decrease | Compared with Revised Estimate. +Increase —Decrease |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought over ... | 5,84,28,753 | 6,05,28,862 | 5,99,26,667 | 5,30,48,389 | +14,97,914 | —6,02,195 |
| **6.—Medical Relief and Education.** | | | | | | |
| A.—Interest realised on donations from the Public ... | 4,300 | 4,300 | 4,118 | 4,118 | — 182 | — 182 |
| B.—Miscellaneous— | | | | | | |
| (1) Miscellaneous receipts ... | 6,000 | 6,000 | 8,405 | 23,980 | + 2,405 | + 2,405 |
| (2) Miscellaneous fees ... | 3,000 | 12,000 | 8,839 | 8,380 | + 5,839 | — 3,161 |
| (3) Rent of Buildings and Lands ... | 1,900 | 2,800 | 3,475 | 2,417 | + 1,575 | + 675 |
| | 10,900 | 20,800 | 20,719 | 34,777 | + 9,819 | — 81 |
| C.—Receipts from Gordhandas Sunderdas Medical College ... | 1,79,582 | 1,85,690 | 1,98,442 | 2,10,607 | + 18,860 | + 12,752 |
| D.—Receipts from King Edward Memorial Hospital ... | 10,800 | 20,465 | 19,779 | 13,076 | + 8,979 | — 686 |
| E.—Interest realised on Hospital Fund (for Veneral Ward at King Edward Memorial Hospital) ... | 45,000 | 45,000 | 52,077 | 44,063 | + 7,077 | + 7,077 |
| F.—Interest on K. E. M. Hospital and G. S. Medical College Equipment Fund ... | 5,600 | 6,000 | 6,360 | 6,170 | + 760 | + 360 |
| G.—Grant-in-aid from Government in respect of Excise Duty etc., for spirituous articles ... | 7,000 | 16,000 | 32,685 | 8,372 | + 25,685 | + 16,685 |
| H.—Receipts from— | | | | | | |
| (a) The Topiwalla National Medical College ... | 1,08,125 | 1,27,662 | 1,13,862 | 1,19,354 | + 5,737 | — 13,800 |
| (b) Nair Hospital Dental College ... | 52,465 | 61,257 | 63,015 | 48,133 | + 10,550 | + 1,758 |
| (c) Bai Yamunabai L. Nair Hospital ... | 7,498 | 11,915 | 11,014 | 6,097 | + 3,516 | — 901 |
| (d) Grant-in-aid from Government for the T.N.M. College | 3,05,000 | 2,54,850 | 2,18,631 | 2,22,631 | — 86,369 | — 36,219 |
| | 4,73,088 | 4,55,684 | 4,06,522 | 3,96,215 | — 66,566 | — 49,162 |
| I.—Receipts from M. G. H. Sion ... | 69,905 | 89,015 | 1,04,373 | 12,006 | + 34,468 | + 15,358 |
| | 8,06,175 | 8,42,954 | 8,45,075 | 7,29,404 | + 38,900 | + 2,121 |
| **7.—Street Cleansing and Conservancy, Road Watering and Halalkhore service.** | | | | | | |
| A.—Halalkhore Tax—at 3 per cent. | | | | | | |
| (1) On Ratable Value ... | 57,56,000 | 58,29,177 | 57,31,057 | 54,32,783 | — 24,943 | — 98,120 |
| (2) For Special Service ... | 3,70,000 | 3,91,400 | 3,89,383 | 3,80,125 | + 19,383 | — 2,017 |
| | 61,26,000 | 62,20,577 | 61,20,440 | 58,12,908 | — 5,560 | — 1,00,137 |
| B.—Miscellaneous | | | | | | |
| (1) Sale of Rights ... | 50,000 | 50,000 | 74,913 | 1,20,839 | + 24,913 | + 24,913 |
| (2) Miscellaneous receipts ... | 20,000 | 20,000 | 33,432 | 59,842 | + 13,432 | + 13,432 |
| (3) Miscellaneous fees ... | 52,000 | 52,000 | 37,266 | 50,784 | — 14,734 | — 14,734 |
| (4) Rent of Buildings and Lands ... | 12,000 | 22,000 | 36,405 | 16,631 | + 24,405 | + 14,405 |
| | 1,34,000 | 1,44,000 | 1,82,016 | 2,48,096 | + 48,016 | + 38,016 |
| | 62,60,000 | 63,64,577 | 63,02,456 | 60,61,004 | + 42,456 | — 62,121 |
| **8.—Roads, S. W. Drains and Public Lighting.** | | | | | | |
| A.—Wheel Tax and Government contribution in lieu of Tolls— | | | | | | |
| (1) Private conveyances ... | 40,00,000 | 39,69,654 | 38,51,076 | 38,24,662 | — 1,48,924 | — 1,18,578 |
| (2) Public conveyances ... | 2,57,000 | 2,57,000 | 2,32,167 | 2,19,661 | — 24,833 | — 24,833 |
| (3) Contribution from Government in lieu of Tolls ... | 25,000 | 25,000 | 25,000 | 25,000 | ... | ... |
| | 42,82,000 | 42,51,654 | 41,08,243 | 40,69,323 | — 1,73,757 | — 1,43,411 |
| C.—Ground Rent— | | | | | | |
| (1) From Private Parties ... | 25,600 | 28,230 | 37,486 | 50,777 | + 11,886 | + 9,256 |
| D.—Miscellaneous— | | | | | | |
| (1) Miscellaneous receipts ... | 3,00,000 | 3,00,000 | 3,20,262 | 5,30,215 | + 20,262 | + 20,262 |
| (2) Miscellaneous fees ... | 93,000 | 1,08,525 | 1,10,184 | 1,00,375 | + 17,184 | + 1,659 |
| (3) Rent of Buildings and Lands ... | 96,000 | 1,00,800 | 1,35,027 | 1,04,830 | + 39,027 | + 34,227 |
| | 4,89,000 | 5,09,325 | 5,65,473 | 7,35,420 | + 76,473 | + 56,148 |
| E.—Interest realised on donations ... | 1,900 | 2,000 | 1,882 | 1,953 | — 18 | — 118 |
| | 47,98,500 | 47,91,209 | 47,13,084 | 48,57,473 | — 85,416 | — 78,125 |
| **9.—Mechanical.** | | | | | | |
| Miscellaneous— | | | | | | |
| Miscellaneous receipts ... | 91,100 | 1,37,750 | 1,96,238 | 1,84,602 | + 1,05,138 | + 58,488 |
| **10.—Buildings, Land Acquisition and Management.** | | | | | | |
| A.—Sale proceeds of Surplus Land ... | 2,00,000 | 3,00,000 | 4,12,758 | 1,29,806 | + 2,12,758 | + 1,12,758 |
| B.—Rent of Buildings ... | 42,979 | 43,310 | 48,284 | 46,169 | + 5,305 | + 4,974 |
| C.—Ground Rent ... | 2,50,270 | 2,63,750 | 2,24,156 | 2,56,488 | — 26,114 | — 39,594 |
| D.—Miscellaneous— | | | | | | |
| (1) Miscellaneous Receipts ... | 5,196 | 8,000 | 23,831 | 33,192 | + 18,635 | + 15,831 |
| (2) Miscellaneous fees ... | 4,40,000 | 4,15,300 | 3,82,969 | 4,35,949 | — 57,031 | — 32,331 |
| | 4,45,196 | 4,23,300 | 4,06,800 | 4,69,141 | — 38,396 | — 16,500 |
| | 9,38,445 | 10,30,360 | 10,91,998 | 9,01,604 | + 1,53,553 | + 61,638 |
| Carried forward Rs. ... | 7,13,22,973 | 7,36,95,712 | 7,30,75,518 | 6,57,82,476 | +17,52,545 | — 6,20,194 |

## Appendix No. 3—(*Concld.*)

# INCOME

*Statement showing the Net Receipts during the financial year 1952-53 from all sources as contrasted with the Original and Revised Budget Estimates*

| Particulars. | Budget Estimate for 1952-53. | Revised Estimate for 1952-53. | Actuals for 1952-53. | Actuals for 1951-52. | Compared with Budget Estimate | Compared with revised Estimates |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | + Increase — Decrease 6 | + Increase — Decrease 7 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought over ... | 7,13,22,973 | 7,36,95,712 | 7 30,75,518 | 6,57,82,476 | +17,52,545 | — 6,20,194 |
| **11.—Fire Brigade.** | | | | | | |
| A.—Fire Tax at ¾ per cent.— | | | | | | |
| (1) From the Public ... | 12,40,678 | 12,52,903 | 11,90,821 | 12,72,797 | —49,857 | —62,082 |
| (2) From Government ... | 13,564 | 20,632 | 74,266 | 13,031 | +60,702 | + 53634 |
| (3) From Port Trust ... | 85,540 | 85,545 | 61,875 | 60,116 | —23,665 | —23,670 |
| (4) For Improvement Schemes Properties ... | 23,390 | 23,391 | 30,801 | 22,491 | +7,411 | +7,410 |
| (5) From Mills ... | 91,525 | 86,477 | 1,01,864 | 1,00,505 | +10,339 | +15,387 |
| (6) From Central Railway ... | 15,476 | 15,477 | 15,121 | 15,476 | —355 | —356 |
| (7) From Western Railway ... | 11,817 | 11,814 | 11,360 | 11,817 | —457 | —454 |
| | 14,81,990 | 14,96,239 | 14,86,108 | 14,96,233 | +4,118 | —10,131 |
| B.—Miscellaneous— | | | | | | |
| Miscellaneous receipts ... | 25,000 | 25,000 | 48,364 | 41,970 | +23,364 | +23,364 |
| | 15,06,990 | 15,21,239 | 15,34,472 | 15,38,203 | +27,482 | +13,233 |
| **12.—Licensing, Removal of Encroachments on Public Streets, administration of Shops & Est. Act 1948 and Theatre Tax** | | | | | | |
| A.—Licence for Dangerous and Offensive Trades ... | 8,48,000 | 9,01,160 | 11,21,553 | 9,96,453 | +2,73,553 | +2,20,393 |
| B.—Removal of encroachment on Public Streets— | | | | | | |
| (*a*) Licences for Squatters and Hawkers and fees for Removal of Encroachments ... | 4,80,090 | 5,57,080 | 5,91,303 | 5,27,398 | +1,11,213 | +34,223 |
| C.—Receipts from the administration of Shops and Establishment Act— | | | | | | |
| (*a*) Grant-in-aid from Government for the Administration of Shops and Establishment Act of 1948 ... | 1,90,000 | 79,860 | 79,862 | 1,46,235 | —1,10,138 | + 2 |
| (*b*) Registration etc., fees ... | 15,000 | 15,000 | 15,564 | 15,324 | +564 | +564 |
| (*c*) Miscellaneous Receipts. ... | 1,000 | 1,500 | 1,632 | 1,781 | +632 | +132 |
| | 2,06,000 | 96,360 | 97,058 | 1,63,340 | —1,08,942 | +698 |
| D.—Miscellaneous— | | | | | | |
| (1) Miscellaneous receipts ... | 3,500 | 1,800 | 2,976 | 4,600 | —524 | +1,176 |
| (2) Advertisements ... | 2,40,000 | 3,00,000 | 2,87,322 | 3,07,948 | +47,322 | —12,678 |
| | 2,43,500 | 3,01,800 | 2,90,298 | 3,12,548 | +46,798 | —11,502 |
| E.—Receipts from the Theatre Tax ... | 4,20,000 | 5,59,818 | 6,89,366 | 3,20,854 | +2,69,366 | +1,29,548 |
| | 21,97,590 | 24,16,218 | 27,89,578 | 23,20,593 | +5,91,983 | +3,73,360 |
| **13.—Gardens and Open Spaces.** | | | | | | |
| Miscellaneous— | | | | | | |
| (1) Miscellaneous receipts ... | 2,457 | 5,250 | 6,318 | 4,183 | +3,891 | + 1,098 |
| (2) Rent of Buildings and Lands ... | 1,18,333 | 1,22,340 | 92,681 | 1,22,184 | —25,652 | —29,659 |
| | 1,20,790 | 1,27,590 | 99,029 | 1,26,367 | —21,761 | —28,561 |
| **14.—Markets and Slaughter Houses.** | | | | | | |
| Miscellaneous— | | | | | | |
| (1) Stallage charges ... | 10,50,000 | 10,50,000 | 10,90,895 | 10,81,469 | +40,895 | +40,895 |
| (2) Squatters, fees ... | 7,50,000 | 8,10,000 | 8,70,282 | 8,37,716 | +1,20,282 | +60,282 |
| (3) Fair ground and feeding fees ... | 3,10,000 | 3,10,000 | 3,30,184 | 3,28,238 | +20,184 | +20,184 |
| (4) Slaughter fees ... | 5,60,000 | 5,70,000 | 5,78,527 | 6,25,560 | +18,527 | + 8,527 |
| (5) Miscellaneous receipts ... | 4,40,000 | 4,60,000 | 5,83,983 | 4,29,605 | +1,43,983 | +1,23,983 |
| (6) Rent of Buildngs and Lands ... | 27,000 | 33,000 | 33,950 | 26,120 | +6,950 | —4,050 |
| (7) Cold Storage rent ... | 55,000 | 50,000 | 52,882 | 63,485 | —2,118 | +2,882 |
| (8) License etc., fees from Private Markets Owners ... | 78,000 | 78,000 | 68,105 | 65,715 | —9,895 | —9,895 |
| | 32,70,000 | 33,66,000 | 36,08,808 | 34,57,908 | +3,38,808 | + 2,42,808 |
| **15.—Contribution from Capital Funds to Revenue on account of Loan Works Staff** ... | 5,00,500 | 4,50,000 | 2,20,548 | 2,16,430 | —2,80,352 | —2,29,452 |
| **16.—Extraordinary Receipts.** | | | | | | |
| Interest on Net Premia Fund and Excess Interest on Sinking Fund | 1,50,000 | 1,60,000 | 1,54,184 | 1,57,480 | +4,184 | —5,816 |
| **17.—Rebate from Government on account of Collection of the Urban Immovable Property Tax in the City** ... | 2,45,000 | 2,21,062 | 2,23,956 | 2,45,700 | —21,044 | +2,894 |
| **18.—Transfers from the B. E. S. & T. Fund.** | | | | | | |
| (*a*) Under section 460 K.K. (2) (*b*) of the Municipal Act ... | 28,00,000 | 28,00,000 | 28,00,000 | 25,00,000 | ... | ... |
| (*b*) Under section 460 L.L. (1) (*d*) of the Municipal Act ... | 93,600 | 1,00,600 | 75,682 | 75,611 | —17,918 | —24,918 |
| | 28,93,600 | 29,00,600 | 28,75,682 | 25,75,611 | —17,918 | —24,918 |
| Total Income ... | 8,22,07,843 | 8,48,58,421 | 8,45,81,775 | 7,64,20,768 | +23,73,932 | —2,76,646 |
| **Transfer from P.W.R. Fund** ... | ... | ... | ... | 7,29,946 | ... | ... |
| Total Income including transfer from P.W.R. Fund ... | 8,22,07,843 | 8,48,58,421 | 8,45,81,775 | 7,71,50,714 | +23,73,932 | — 2,76,646 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 4

## EXPENDITURE

*Statement showing the Actuals as compared with the Final Grants for 1952-53.*

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | Actuals for 1952-53. | Final Grants compared with the Actuals | | Actuals for 1951-52. |
|---|---|---|---|---|---|
| | | | Amount required to be renewed in 1953-54 | Savings. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| **I.—General Supervision, Collection of Revenue, etc.** | Rs. | Rs. | Rs. | Rs. | Rs. |
| A.—General Superintendence | | | | | |
| (a) Corporation and Standing Committee ... | 3,56,342 | 3,35,520 | 8,962 | 11,860 | 2,97,987 |
| (b) Chief Auditor's Establishment ... | 1,61,809 | 1,45,107 | 336 | 16,366 | 1,36,206 |
| (c) Municipal Commissioner's Personal and General Office ... | 3,85,904 | 3,08,229 | 38,258 | 39,417 | 3,40,734 |
| (d) Audit and Accounts Estt. ... | 7,34,538 | 6,45,180 | 6,888 | 82,470 | 5,76,786 |
| (e) Labour Officer's Establishment ... | 23,629 | 22,052 | 273 | 1,304 | 21,026 |
| (f) Ward Officer's Establishment ... | 32,479 | 25,421 | 802 | 6,256 | 28,609 |
| | 16,94,701 | 14,81,509 | 55,519 | 1,57,673 | 14,01,348 |
| B.—Collection of Revenue— | | | | | |
| (a) Property and Wheel Tax Establishment ... | 11,66,723 | 11,03,792 | 13,777 | 49,154 | 10,65,243 |
| (b) Town Duty Establishment ... | 3,14,861 | 2,75,103 | 2,528 | 37,230 | 2,42,082 |
| | 14,81,584 | 13,78,895 | 16,305 | 86,384 | 13,07,325 |
| C.—Upkeep of Municipal Head Office ... | 1,48,260 | 1,00,574 | 35,743 | 11,943 | 84,868 |
| D.—General Stores ... | 1,74,908 | 1,59,425 | 6,924 | 8,559 | 1,37,804 |
| E.—Miscellaneous Charges ... | 4,57,332 | 3,11,762 | 93,812 | 51,758 | 3,41,713 |
| F.—Election Expenses ... | 5,84,191 | 4,06,638 | 22,090 | 1,55,463 | 5,29,134 |
| G.—New Works ... | 18,889 | 9,173 | 7,984 | 1,732 | 9,343 |
| —Works to be carried out from the amount transferred out of the P.W.R. Fund | ... | ... | ... | ... | 3,330 |
| H.—Debt Charges ... | 1,39,400 | 1,12,863 | 4 | 26,533 | 78,075 |
| | 46,99,265 | 39,60,839 | 2,38,381 | 5,00,045 | 38,92,940 |
| *Deduct*—Proportion of General Superintendence chargeable to Water Works, Fire Brigade, Markets and Improvement Schemes Account and Education Fund Account ... | 10,72,299 | 9,89,684 | 45,850 | 36,765 | 9,55,653 |
| | 36,26,966 | 29,71,155 | 1,92,531 | 4,63,280 | 29,37,287 |
| **II.—Water Works.** | | | | | |
| A—Maintenance ... | 29,12,797 | 23,25,058 | 3,39,125 | 2,48,614 | 22,08,338 |
| B—Income Tax on income derived by the Municipality for supply of water to are as outside Municipal Jurisdiction ... | 25,000 | 22,831 | 2,168 | 1 | ... |
| C—Provident Fund and Pensions etc., charges ... | 2,75,000 | 2,30,683 | 3,000 | 41,317 | 2,12,795 |
| D—Proportion of General Supervision and Collection of Revenue etc. ... | 6,48,751 | 6,04,351 | 30,722 | 13,678 | 5,88,877 |
| E—Dearness Allowance ... | 9,27,125 | 9,04,067 | 15,105 | 7,953 | 8,58,095 |
| F—New Works ... | 79,406 | 19,298 | 50,097 | 10,011 | 19,738 |
| —Works to be carried out from the amount transfered out of the P.W.R. Fund | 60,152 | 16,551 | ... | 43,601 | 1,13,296 |
| G—Debt Charges ... | 1,00,31,154 | 92,42,142 | 3,42,702 | 4,46,310 | 79,86,078 |
| | 1,49,59,385 | 1,33,64,981 | 7,82,919 | 8,11,485 | 1,19,87,215 |
| **III.—Education (Primary).** | | | | | |
| Contribution to Education Fund under Section 126C(c) of the Bombay Municipal Corporation Act ... | 1,00,45,412 | 89,59,064 | 595 | 10,85,753 | 1,13,00,121 |
| **IV.—Education (Secondary).** | | | | | |
| A.—Victoria and Albert Museum ... | 32,199 | 25,810 | 3,945 | 2,444 | 23,647 |
| B.—Municipal Free reading Rooms and Libraries ... | 61,677 | 50,949 | 570 | 10,158 | 45,701 |
| C.—Debt Charges ... | 1,179 | 1,176 | ... | 3 | 1,176 |
| | 95,055 | 77,935 | 4,515 | 12,605 | 70,524 |
| **V.—Public Health Department.** | | | | | |
| A.—General Superintendence— | | | | | |
| (a) General Supervision ... | 10,29,610 | 8,79,963 | 49,552 | 1,00,095 | 8,58,596 |
| (b) Epidemics ... | 4,72,288 | 3,27,442 | 32,151 | 1,12,695 | 3,63,468 |
| (c) Vaccination ... | 2,14,911 | 1,36,819 | 41,778 | 36,314 | 1,40,706 |
| (d) Malaria ... | 3,46,280 | 2,91,187 | 9,077 | 46,016 | 2,97,761 |
| (e) Miscellaneous ... | 3,44,838 | 2,73,276 | 38,515 | 33,047 | 2,76,312 |
| (f) Propoganda for Public Health ... | 92,968 | 71,636 | 13,020 | 8,312 | 50,912 |
| (g) Licensing of Dogs ... | 40,027 | 29,890 | 993 | 9,144 | 26,733 |
| | 25,40,922 | 20,10,213 | 1,85,086 | 3,45,623 | 20,14,488 |
| B.—Supply of Milk to undernourished needy Children attending Municipal Schools ... | 8,48,920 | 5,02,100 | 1,51,285 | 1,95,535 | 2,24,694 |
| C.—New Works ... | 21,156 | 3,258 | 17,896 | 2 | 81 |
| D.—Debt Charges ... | 6,18,981 | 5,50,044 | 3,794 | 65,143 | 1,68,697 |
| —Works to be carried out from the amount transferred out of P.W.R. Fund... | 14,225 | 12,443 | ... | 1,782 | 6,183 |
| —Expenditure other than Establishment in connection with Re-organisation Scheme ... | 68,160 | 14,535 | 35,000 | 18,625 | 6,193 |
| —Census ... | 74,469 | 45,363 | ... | 29,106 | 6,014 |
| —Cleaner Bombay Campaign ... | 29 | 29 | ... | ... | 3,036 |
| | 41,86,862 | 31,37,985 | 3,93,061 | 6,55,816 | 24,29,377 |
| Carried over ... | 3,29,13,680 | 2,85,11,120 | 13,73,621 | 30,28,939 | 2,87,24,521 |

## Appendix No. 4—(*Contd.*)

## EXPENDITURE

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | Actuals for 1952-53. | Final Grants compared with the Actuals | | Actuals for 1951-52. |
|---|---|---|---|---|---|
| | | | Amount required to be renewed in 1953-54. | Savings. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward Rs. ... | 3,29,13,680 | 2,85,11,120 | 13,73,621 | 30,28,939 | 2,87,24,526 |
| **VI.—Medical Relief and Education.** | | | | | |
| A.—Hospitals and Maternity Homes— | | | | | |
| (*a*) King Edward Memorial Hospital ... | 24,77,857 | 21,76,554 | 1,72,557 | 1,28,746 | 19,28,996 |
| (*b*) Municipal General of Hospital, Sion ... | 11,90,599 | 10,40,349 | 85,276 | 64,974 | 9,50,597 |
| (*c*) B.Y.L. Nair Charitable Hospital ... | 11,68,027 | 10,61,750 | 72,740 | 33,537 | 8,20 006 |
| (*d*) Infectious Diseases Hospitals ... | 18,44.213 | 14,81,195 | 1,85,489 | 1,77,529 | 15,59 ,479 |
| (*e*) Maternity Homes ... | 3,00,327 | 2,72,117 | 17,452 | 10,758 | 2,60 ,00 |
| (*f*) Maternity & Children Welfare Service. ... | 46,037 | 9,221 | 7,771 | 29,045 | ... |
| | 70,27,060 | 60,41,186 | 5,41,285 | 4,44,589 | 55,19,778 |
| B.—Dispensaries— | | | | | |
| (*a*) Dispensaries for out-patients ... | 2,96,157 | 2,43,535 | 13,247 | 39,375 | 2,39,444 |
| (*b*) Dispensary for combating Veneral Diseases ... | 81,473 | 72,924 | 3,914 | 4,635 | 73,146 |
| (*c*) Mobile Dispensaries in the City ... | 8,450 | 6,600 | ... | 1,850 | ... |
| | 3,86,080 | 3,23,059 | 17,161 | 45,860 | 3,12,590 |
| C.—Medical and Nursing Assistance to Poor People in their Homes ... | 1,126 | 881 | 153 | 92 | 615 |
| D.—Family Planning Clinics ... | 26,521 | 20,550 | 2,135 | 3,836 | 12,238 |
| E.—Medical Education— | | | | | |
| (*a*) Gordhandas Sunderdas Medical College ... | 5,40,221 | 4,64,252 | 37,945 | 38,024 | 3 61,673 |
| (*b*) Topiwalla National Medical College ... | 4,71,377 | 3,65,449 | 51,891 | 54,037 | 2,83,766 |
| (*c*) Nair Hospital dental College ... | 1,94,816 | 1,51,167 | 14,706 | 28,943 | 1,40,379 |
| | 12,06,414 | 9,80,868 | 1,04,542 | 1,21,004 | 7,85,818 |
| F.—Statutory Contribution to Government Medical Institutions ... | 4,14,500 | 4,14,500 | ... | ... | 4,14,500 |
| G.—Clinic for treatment of Leprosy Cases ... | 95,507 | 47,230 | 48,277 | ... | 45,534 |
| H.—New Works ... | 87,129 | 37,311 | 48,241 | 1,577 | 42,626 |
| —Works to be carried out from the amount transferred out of the P.W.R. Fund. | 33,910 | 21,288 | ... | 12,622 | 1,02,100 |
| I.—Debt Charges ... | 7,65,672 | 6,50,766 | 2,431 | 1,12,475 | 5,49,891 |
| | 1,00,43,919 | 85 37,639 | 7,64,225 | 7,42,055 | 77,85,690 |
| **VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service.** | | | | | |
| A.—Street Cleansing and Conservancy— | | | | | |
| (*a*) Superintendence and Inspection ... | 5,20,612 | 4,71,996 | 13,690 | 34,926 | 4,62,010 |
| (*b*) Veterinary ... | 52,051 | 44,680 | 1,056 | 6,315 | 44,119 |
| (*c*) Gully Flushing ... | 2,45,951 | 2,05,738 | 12,905 | 27,308 | 2,04,147 |
| | 8,18,614 | 7,22,414 | 27,651 | 68,549 | 7,10,276 |
| B.—Collection, Loading, Removal and Disposal of Town Refuse— | | | | | |
| (*i*) Collection of Town Refuse— | | | | | |
| (*a*) Scavengering ... | 28,16,689 | 25,50,672 | 79,199 | 1,86,818 | 25,28,250 |
| (*b*) Road Scraping and Road watering ... | 1,80,465 | 1,68,931 | 3,473 | 8,061 | 1,60,878 |
| (*ii*) Removal of Town Refuse to Mahalaxmi Siding— | | | | | |
| (*a*) Bullock Traction ... | 4,88,613 | 3,89,528 | 27,169 | 71,916 | 4,11,743 |
| (*b*) Motor Traction ... | 9,07,309 | 7,70,230 | 28,447 | 1,08,632 | 7,85,852 |
| (*iii*) Loading of Refuse at Mahalaxmi Siding for Transport to Deonar ... | 14,51,054 | 9,65,284 | 1,90,977 | 2,94,793 | 10,52,997 |
| (*iv*) Disposal of Town Refuse— | | | | | |
| (*a*) Incineration ... | 3,469 | 2,318 | 386 | 765 | 2,769 |
| (*b*) Transport of Refuse from Mahalaxmi Siding to Deonar by Train | 10,19,717 | 6,39,681 | 2,17,915 | 1,62,121 | 12,59,626 |
| | 68,67,316 | 54,86,644 | 5,47,566 | 8,33,106 | 62,02,115 |
| C.—Road Watering ... | 10,667 | 2,470 | 2,500 | 5,697 | 2,823 |
| D.—Halalkhore Service— | | | | | |
| (*a*) Cleansing and Sanitation ... | 6,80,901 | 5,94,476 | 36,418 | 50,007 | 6,08,167 |
| (*b*) Transport— | | | | | |
| (1) Bullock Traction ... | 81,349 | 56,389 | 8,068 | 16,892 | 62,591 |
| (2) Motor Traction ... | 86,787 | 55,172 | 14,305 | 17,310 | 48,403 |
| (*c*) Pumping Compressor Stations, Purification Works and Flood Gates ... | | | | | |
| (*a*) Inspection and Supervision ... | 44,781 | 42,404 | 649 | 1,728 | 39,913 |
| (*b*) Pumping Stations ... | 6,24,935 | 4 15,213 | 38,870 | ,70,852 | 3,57,402 |
| (*c*) Compressor Stations and Flood Gates ... | 3,10,199 | 2,28,200 | 40,334 | 41,665 | 2,51,758 |
| (*d*) Purification Works ... | 3,34,370 | 2,32,021 | 60,959 | 41,390 | 2,31,862 |
| (*d*) Cleansing of Sewers, Street Connections and House Drains ... | 12,87,736 | 10,42,761 | 1,11,201 | 1,33,774 | 9,85,393 |
| | 34,51,058 | 26,66,636 | 3,10,804 | 4,73,618 | 25,85,489 |
| E.—New Works— ... | 1,53,057 | 33,618 | 1,06,539 | 12,900 | 29,908 |
| —Works to be carried out from the amount transferred out of P.W.R. Fund ... | 1,25,490 | 39,329 | 35,546 | 50.615 | 12,331 |
| F.—Debt Charges ... | 29,53,768 | 24,42,236 | 26,157 | 4,85,375 | 3,57,339 |
| | 1,43,79,970 | 1,13,93,347 | 10,56,763 | 19,29,860 | 99,00,281 |
| Carried over Rs. ... | 5,73,37,569 | 4,84,42,106 | 31,94,609 | 57,00,854 | 4,64,10,497 |

## Appendix No. 4—(*Contd.*)

## EXPENDITURE

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | Actuals for 1952-53. | Final Grants compared with the Actuals | | Actuals for 1951-52. |
|---|---|---|---|---|---|
| | | | Amount required to be renewed in 1953-54. | Savings. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward Rs. ... | 5,73,37,569 | 4,84,42,106 | 31,94,609 | 57,00,854 | 4,64,10,497 |
| **VIII.—Roads, S. W. Drains and Public Lighting,** | | | | | |
| A.—General ... | 3,69,335 | 2,76,803 | 3,863 | 88,669 | 2,87,432 |
| B.—Maintenance of Roads ... | 29,26,624 | 21,61,536 | 3,75,476 | 3,89,612 | 18,00,423 |
| C.—Public Lighting ... | 23,85,500 | 20,40,676 | 2,67,088 | 77,736 | 19,78,756 |
| D.—Maintenance of S. W. Drains ... | 37,554 | 28,467 | 9,024 | 63 | ... |
| E.—Rebate on account of the compounded Wheel Tax ... | 59,000 | 25,790 | 3,000 | 30,210 | 23,849 |
| | 57,78,013 | 45,33,272 | 6,58,451 | 5,86,290 | 40,90,460 |
| F.—New Works ... | 57,659 | 33,229 | 14,354 | 10,076 | 20,522 |
| —Works to be carried out from the amount Transferred out of the P. W. R. Fund ... | ... | ... | ... | ... | 65,524 |
| G.—Debt Charges ... | 36,90,440 | 33,80,878 | 16,775 | 2,92,787 | 35,74,973 |
| | 95,26,112 | 79,47,379 | 6,89,580 | 8,89153 | 77,51,479 |
| **IX.—Mechanical.** | | | | | |
| A.—Mechanical Engineer's Office Establishment ... | | | | | |
| (*a*) M. E's Office Establishment ... | 3,49,194 | 2,32,416 | 41,943 | 74,835 | 1,91,151 |
| (*b*) Transport ... | 49,225 | 43,659 | 3,183 | 2,383 | 38,588 |
| | 3,98,419 | 2,76,075 | 45,126 | 77,218 | 2,29,739 |
| B.—Supervision of Factories, Workshops and Work places ... | 9,198 | 7,771 | 67 | 1,360 | 7,727 |
| C.—New Works ... | 24,055 | 1,543 | 8,272 | 14,240 | 7,627 |
| —Works to be carried out from the amount transferred out of P.W.R. Fund ... | 2,05,513 | 1,98,248 | ... | 7,265 | 41,241 |
| D.—Debt Charges ... | 89,673 | 87,431 | 164 | 2,078 | 7,78,731 |
| | 7,26,858 | 5,71,068 | 53,629 | 1,02,161 | 10,65,065 |
| **X.—Buildings, Land Acquisition and Management.** | | | | | |
| A.—City Engineer's Central Office Establishment ... | 1,64,390 | 1,48,044 | 4,832 | 11,514 | 1,49,416 |
| B.—Inspection and Supervision of Private Buildings ... | 5,71,768 | 4,38,885 | 7,786 | 1,25,097 | 4,26,937 |
| C.—Removal of Stall-Boards in the City ... | 4,366 | 1,936 | 1,863 | 567 | 2,807 |
| D.—Architectural ... | 1,82,908 | 1,50,002 | 1,898 | 31,008 | 1,51,701 |
| E.—Land Acquisition and Management ... | 1,13,152 | 89,800 | 16,873 | 6,479 | 83,203 |
| —Planning of Land Development & important Projects ... | 25 | 17 | ... | 8 | 7,793 |
| | 10,36,609 | 8,28,684 | 33,252 | 1,74,673 | 8,21,857 |
| *Deduct*—Proportionate share of cost of Establishment, and Supervision chargeable to Improvement Schemes Account | 1,47,108 | 48,494 | ... | 98,614 | 89,827 |
| | 8,89,501 | 7,80,190 | 33,252 | 76,059 | 7,32,030 |
| —New Works ... | 2,475 | 1,212 | 634 | 629 | 3,374 |
| —Works to be carried out from the amount transferred out of the P. W. R. Fund ... | ... | ... | ... | ... | 4,000 |
| F.—Debt Charges ... | 18,61,100 | 18,41,733 | 7,323 | 12,044 | 18,02,146 |
| | 27,53,076 | 26,23,135 | 41,209 | 88,732 | 25,41,550 |
| **XI.—Fire Brigade.** | | | | | |
| A.—Maintenance ... | 8,33,234 | 7,09,277 | 95,143 | 28,814 | 7,11,805 |
| B.—Provident Fund and Pensions, etc., charges ... | 1,74,555 | 1,36,027 | 18 100 | 20,428 | 1,58,400 |
| C.—Proportion of General Supervision and Collection of Revenue ... | 52,912 | 49,334 | 2,471 | 1,107 | 48,038 |
| D.—Dearness Allowance ... | 2,35,000 | 2,23,845 | 44 | 11,111 | 2,23,530 |
| E.—New Works ... | 60,299 | 23,814 | 31,067 | 5,418 | 12,487 |
| —Works to be carried out from the amount transferred out of the P. W. R. Fund ... | ... | ... | ... | ... | 60,773 |
| F.—Debt Charges ... | 1,26,996 | 1,07,988 | 117 | 18,891 | 79,930 |
| | 14,82.996 | 12,50,285 | 1,46,942 | 85,769 | 12,94,963 |
| **XII.—Licensing, Removal of Encroachments on Public Streets, and Administration of Shops & Estt. Act 1948 & Theatre Tax.** | | | | | |
| A.—Licensing Establishment ... | 2,24,457 | 2,14,784 | 2,788 | 6 895 | 1,98,282 |
| B.—Removal of Encroachments on Public Streets. ... | 1,92,000 | 1,71,053 | 9,405 | 11,542 | 1,53,126 |
| C.—Administration of Shops and Establishment Act 1948 ... | 1,72,621 | 1,55,003 | 1,396 | 16,222 | 1,51,641 |
| D.—Administration of Theatre Tax ... | 14.297 | 13,201 | 76 | 1,020 | 11,188 |
| E.—New Works ... | 7,725 | 2,756 | 4,608 | 361 | 524 |
| F.—Debt Charges ... | 602 | 406 | ... | 196 | 934 |
| | 6,11,702 | 5,57,203 | 18,273 | 36,226 | 5,15,695 |
| Carried over Rs. ... | 7,24,38,313 | 6,13,91,176 | 4144,242 | 69,02,895 | 5,95,79,249 |

## Appendix No. 4—(*Concld.*)

## EXPENDITURE

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | Actuals for 1952-53. | Final Grants compared with the Actuals | | Actuals for 1951-52. |
|---|---|---|---|---|---|
| | | | Amount required to be renewed in 1953-54. | Savings. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward Rs. ... | 7,24,38,313 | 6,13,91,176 | 41,44,242 | 69,02,895 | 5,95,79,249 |
| **XIII.—Gardens and Open Spaces.** | | | | | |
| A.—Gardens— | | | | | |
| (*a*) Victoria Gardens ... | 3,62,937 | 3,17,052 | 36,016 | 9,869 | 2,80,102 |
| (*b*) Miscellaneous Gardens, Open Spaces, Band Stands, etc. ... | 1,75,675 | 1,45,044 | 26,718 | 3,913 | 1,40,428 |
| | 5,38,612 | 4,62,096 | 62,734 | 13,782 | 4,20,530 |
| B.—New Gardens, Recreation Grounds, etc. ... | 15,305 | 8,341 | 4,998 | 1,966 | 7,205 |
| C.—Roadside Trees & Benches ... | 45,707 | 40,044 | 4,097 | 1,566 | 32,724 |
| D.—New Works ... | 74,218 | 26,571 | 34,382 | 13,265 | 39,413 |
| —Works to be carried out from the amount transferred out of the P.W.R. Fund | 14,188 | 7,706 | ... | 6,482 | 26,669 |
| E.—Debt Charges ... | 1,82,750 | 1,79,380 | ... | 3,370 | 1,75,650 |
| | 8,70,780 | 7,24,138 | 1,06,211 | 40,431 | 7,02,191 |
| **XIV.—Markets and Slaughter Houses.** | | | | | |
| A.—Markets and Slaughter Houses— | | | | | |
| (*a*) Central Office ... | 66,785 | 63,460 | 75 | 3,250 | 59,050 |
| (*b*) Municipal Markets ... | 5,36,935 | 4,11,694 | 74,407 | 50,884 | 3,79,277 |
| (*c*) Slaughter Houses ... | 5,96,274 | 5,04,778 | 55,104 | 36,392 | 4,23,734 |
| (*d*) Private Markets ... | 33,554 | 31,045 | 151 | 2,358 | 25,273 |
| (*e*) Refrigerator at A.C. Market ... | 32,859 | 19,411 | 13,369 | 79 | 17,147 |
| | 12,66,457 | 10,30,388 | 1,43,106 | 92,963 | 9,04,481 |
| B.—Provident Fund and Pensions, etc., charges ... | 66,207 | 54,313 | 1,000 | 10,894 | 51,214 |
| C.—Proportion of General Supervision ... | 69,089 | 61,727 | 5,318 | 2,044 | 62,125 |
| D.—Dearness Allowance ... | 3,22,918 | 3,21,423 | 1,000 | 495 | 2,63,402 |
| E.—New Works ... | 77,492 | 27,350 | 47,962 | 2,180 | 28,780 |
| —Works to be carried out from the amount transferred out of the P.W.R. Fund | 3,289 | 2,407 | ... | 882 | 69,243 |
| F.—Debt Charges ... | 2,67,344 | 2,51,830 | 234 | 15,280 | 1,72,906 |
| | 20,72,796 | 17,49,438 | 1,98,620 | 1,24,738 | 15,52,151 |
| **XV.—Contribution towards Improvement Schemes** ... | 40,18,077 | 35,83,626 | ... | 4,34,451 | 36,28,232 |
| **XVI.—Provident Fund, Pensions, Gratuities and Compassionate Allowances.** | | | | | |
| A.—Provident Fund ... | 14,54,000 | 13,71,792 | ... | 82,208 | 14,40,619 |
| B.—Pensions, Gratuties, etc. ... | 6,16,457 | 5,46,562 | 10,142 | 59,753 | 5,73,305 |
| | 20,70,457 | 19,18,354 | 10,142 | 1,41,961 | 20,13,924 |
| **XVII.—Urban Immovable Property Tax** on Municipal Properties in the City ... | 60,425 | 53,925 | 856 | 5,644 | 55,479 |
| **XVIII.—Dearness Allowance** ... | 1,10,27,546 | 1,02,27,308 | 14,370 | 7,85,868 | 96,76,924 |
| **XIX.—Grants-in-aid to Public Institutions** ... | 8,07,969 | 6,33,999 | 1,23,165 | 50,805 | 6,06,604 |
| A.—Obligatory ... | 5,80,120 | 3,63,873 | 2,15,010 | 1,237 | 4,42,424 |
| B.—Discretionary ... | 13,88,089 | 9,97,872 | 3,38,175 | 52,042 | 10,49,028 |
| **XX.—Contribution to Budget 'D' under Section 123 (B) (2) of the B.M.C. Act.** ... | 14,00,000 | 12,96,074 | ... | 1,03,926 | 10,00,000 |
| **XXI.—Rent of Buildings requisitioned for housing Municipal employees of essential services since derequisitioned by Government owing to close of Civil Defence measures** ... | 1,17,811 | 30,452 | 28,688 | 58,671 | 22,747 |
| **XXII.—Damage caused by the Cyclone of 1948** ... | 3,93,400 | 3,13,298 | 20,000 | 65,102 | ... |
| Total ... | 9,58,62,694 | 8,22,85,661 | 48,61,304 | 87,15,729 | 7,92,79,925 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 4-A.

*Statement showing details of Expenditure incurred on New Works during the year 1951—52 and 1952—53.*

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| **I.—General Supervision, Collection of Revenue, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 42,101 | ... | 42,101 |
| Construction of a Town Duty Chowky (semi-permanent shed) at Bhandup including lighting arrangements ... ... ... ... ... ... | 2,690 | 135 | 2,825 |
| Installation of a chowky for the use of Import Peon at Bhandup Town Duty Chowky ... | 828 | 28 | 856 |
| Conversion of an unserviceable refuse lorry to serve as a Town Duty Chowky for housing Labour Staff at Jogeshwari ... ... ... ... ... ... | 860 | 216 | 1,076 |
| Extension to the existing Canteen Shed in the compound of Municipal Head Office ... | 545 | 920 | 1,465 |
| Providing additional water entrances (4 in No.) in the open space of the Controller of Stores Yard at Delisle Road ... ... ... ... ... ... | ... | 6 | 6 |
| Concreting a portion of open spaces in the godown ... ... ... ... | ... | 326 | 326 |
| Providing an additional seat to the existing W. C. block and one W. P. on the 1st floor of the Municipal acquired property known as Byculla Terraces ... ... ... | ... | 477 | 477 |
| Provision of a water cooler in Councillor's room at Municipal Head Office ... ... | ... | 2,382 | 2,382 |
| Construction of office accommodation at Carnac Bridge ... ... ... | ... | 2,255 | 2,255 |
| Providing X.P.M. to the entrances of the central godown at the Central Stores ... ... | ... | 1,098 | 1,098 |
| Providing lights in the godowns of central office ... ... ... ... | ... | 85 | 85 |
| Levelling and hardening of strip of land between Bombay Agra Road and Bhandup ... | ... | 591 | 591 |
| Providing a water cooler in the Corporation Hall for Councillors ... ... ... | ... | 173 | 173 |
| Providing one light point and one ceiling fan for the Bhat's room at M. H. office ... | ... | 190 | 190 |
| Providing direct electric wiring for the electric clocks newly provided in the Corporation Hall. | ... | 45 | 45 |
| Providing C. I. sheet screen wall at the South-West corner compound at Central Stores ... | ... | 246 | 246 |
| Total I.—General Supervision etc. ... | 47,024 | 9,173 | 56,197 |
| **II.—Water Works.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 1,20,574 | ... | 1,20,574 |
| Providing storage tanks, drinking fountains and cattle troughs in the City ... ... | 3,876 | 109 | 3,985 |
| Providing electric lights in Joseph Baptista Garden ... ... ... | 4,654 | 3,459 | 8,113 |
| Protecting City's trunk mains by means of Magnesium Anodes ... ... ... | 1,758 | 653 | 2,411 |
| Providing dirt boxes on distributory water mains in the 'F' Ward ... ... ... | ... | 1,556 | 1,556 |
| Garage for motor lorries of Loan Works' Branch ... ... ... ... | ... | 73 | 73 |
| Providing about 15 screens at syphon head chowkies along the Duct line ... ... | ... | 2,444 | 2,444 |
| Provision of water taps at Marine Drive and Chowpatty for drinking purposes ... ... | ... | 33 | 33 |
| Providing 30 sluice valves with spur gear arrangement at Marine Drive ... ... | ... | 14 | 14 |
| Construction of an Office and Store room for Inspectors, A, B and C Wards of Maintenance Branch at Babula Tank. ... ... ... ... ... ... | ... | 14 | 14 |
| Replacement of Pumping Unit at Malbar Hill Reservoir ... ... ... ... | ... | 817 | 817 |
| Providing standby Pumping Unit for the pumping station at Parel, Government Gate Road. | ... | 5,838 | 5,838 |
| Provision for payment on account of installations of automatic internal telephone in Municipal Offices ... ... ... ... ... ... ... | ... | 4,288 | 4,288 |
| Total, II.—Water Works ... | 1,30,862 | 19,298 | 1,50,160 |
| **V.—Public Health Department.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 45,357 | ... | 45,357 |
| Provision of 8 lights on R.C.C. poles at Antop Hill Hindu Cemetery ... ... | ... | 1,738 | 1,738 |
| Construction of two pieces of playground at Mahalaxmi Welfare Centre at Tardeo Flat Chawls. | ... | 1,081 | 1,081 |
| Providing wooden cabin for A. H. O.(E.)'s Office Telephone ... ... ... | ... | 439 | 439 |
| Total, V.—Public Health Department ... | 45,357 | 3,258 | 48,615 |
| Total Carried forward ... | 2,23,243 | 31,729 | 2,54,972 |

# APPENDIX No. 4-A.—(*Contd.*)

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs | Rs. |
| Total—Brought over ... | 2,23,243 | 31,729 | 2,54,972 |
| **VI—Medical Relief and Education.** | | | |
| Works completed (as per Report for 1951-52) | 1,69,548 | ... | 1,69,548 |
| Providing a new counter with Gas and water fittings in the pathology department for teaching purposes at T. N. M. College ... ... ... ... ... | 1,002 | 110 | 1,112 |
| Constructing a toe wall of 2' in height and barbed wire fencing of 8' high on it in A. R. Hospital near Ward Nos. 14 to 16 ... ... ... ... ... ... | 1,802 | 132 | 1,934 |
| Three dozens glass tiles to be fixed in O. P. D. at M. G. H. (Sion) ... ... ... | 265 | 2 | 267 |
| Providing W.C. for the staff at B. Y. L. N. Charitable Hospital ... ... ... | ... | 1,733 | 1,733 |
| Providing and fixing galvanized iron wire netting on all sides of the verandah of Ward No. 3 of Small-pox Unit at Arthur Road Hospital ... ... ... ... | ... | 2,969 | 2,969 |
| Providing cement concrete marginal pavement around Matron's quarters at A. R. Hospital ... | ... | 591 | 591 |
| Providing and fixing 3 exhaust fans to the X-Ray Department ... ... ... | ... | 906 | 906 |
| Providing permanent tiled roofing to the pathway connecting Ward No. 19 and the main gangway at the K. E. M. Hospital ... ... ... ... ... | ... | 1,834 | 1,834 |
| Extension of E. N. T. Operation Theatre ... ... ... ... ... | ... | 5,994 | 5,994 |
| Fuming chambers for carrying out chemical investigation in the Pathology Department of T. N. M. College ... ... ... ... ... ... ... | ... | 63 | 63 |
| Rearrangement of the Registration Office to accommodate progressively increasing attendance of the patients at the O.P.D. of the B. Y. L. N. Charitable Hospital ... ... | ... | 545 | 545 |
| Converting one of the rooms at the O. P. D. into a dark room for screening purposes and providing an Electric Exhaust Fan at B. Y. L. Nair Ch. Hospital ... ... ... | ... | 144 | 144 |
| Providing sludge gas connections for kitchen with accesssory equipment in the male student's Hostel of Seth G. S. M. College ... ... ... ... ... | ... | 2,298 | 2,298 |
| Manufacturing and fixing 100 ft. chimney to the Disinfectant boiler at R. P. T. B. Hospital ... | ... | 238 | 238 |
| Construction of a shed for accommodating male and female patients for the O. P. D. in the open space in front of the Registration Office of B. Y. L. N. Charitable Hospital ... | ... | 4,434 | 4,434 |
| Providing white glazed tiles to casualty section at B. Y. L. Nair Charitable Hospital ... | ... | 840 | 840 |
| Conversion of a room on the ground floor into a kitchen at the Eye Hospital, Kamathipura ... | ... | 81 | 81 |
| Providing a collapsible iron gate at the entrance of Nurses quarters at R. P. T. B. Hospital ... | ... | 207 | 207 |
| Providing refrigeration unit for keeping dead bodies at M. G. H. (Sion) ... ... | ... | 8,713 | 8,713 |
| Putting up the existing gas lamp mounted on the name board at the entrance of the Victoria Road, 3rd Cross Lane and providing one electric light on the top of the name board at the entrance of the Victoria Road Maternity Home ... ... ... ... | ... | 29 | 29 |
| Providing a storage tank of about 200 gallons capacity for drinking water for students and staff in the College mess room at Seth G. S. M. College ... ... ... | ... | 336<br>40 | 336<br>40 |
| Providing 6 Nos. post hydrants and stop tanks with morries at M. G. H. (Sion) ... ... | ... | 1,381 | 1,381 |
| Providing electric exhaust fans and connecting one of them into a dark room at O. P. D. at B. Y. L. N. Charitable Hospital ... ... ... ... ... | ... | 290 | 290 |
| Providing counters with water fittings to Pathology Department of T. N. M. College ... | ... | 2,295 | 2,295 |
| Providing lights at Prabhadevi and Fergusson Road Dispensaries ... ... ... | ... | 404 | 404 |
| Providing additional storage tank of 800 gallons capacity and constructing a washing place for dhobies at Cadell Road Maternity Home ... ... ... ... ... | ... | 70 | 70 |
| Providing additional two rooms in O. P. D. between structures Nos. T2, T7 at M. G. H. (Sion) | ... | 346 | 346 |
| Providing electric installations in the garrage with plugs to the fans and three lights in the Victoria Maternity Home ... ... ... ... ... ... | ... | 67 | 67 |
| Manufacturing and fixing name boards at Victoria Maternity Home... ... ... | ... | 266 | 266 |
| Providing iron grills for the windows of Lady Students' Hostel at G. S. M. College ... | ... | Cr. 47 | Cr. 47 |
| Total, VI.—Medical Relief and Education ... | 1,72,617 | 37,311 | 2,09,928 |
| Total—Carried forward ... | 3,95,860 | 69,040 | 4,64,900 |

# APPENDIX No. 4 A.—(*Contd.*)

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Total—Brought over ... | 3,95,860 | 69,040 | 4,64,900 |
| **VII.—Street Cleansing and Conservany, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 1,00,257 | ... | 1,00,257 |
| Preparing 20' wide passage at Hornby Vellard ... ... ... ... | 33,652 | 376 | 34,028 |
| Restoring light for Public conservancies at Sun Mill Lane ... ... ... | 141 | 2 | 143 |
| Providing three gas lamps at public latrines in the garden at premises No. 6 at Abdul Gafarkhan Road ... ... ... ... ... ... ... | ... | 337 | 337 |
| Providing glass tiles and ventilating tiles on the roof of A and B Blocks of Arthur Road Chawls. ... ... ... ... ... ... ... ... | ... | 545 | 545 |
| Providing a chimney of G.I. sheets in the passage of 'A' block for letting out smoke at Arthur Road Chawl ... ... ... ... ... ... ... | ... | 214 | 214 |
| Providing a chimney of G. I. Plains sheet in the passage of 'B' block for letting out smoke at Arthur Road Chawl ... ... ... ... ... ... ... | ... | 175 | 175 |
| Providing raised platform 2" wide round the deteritus tank at D.P. Works ... ... | ... | 1,084 | 1,084 |
| Providing cofferdamquide arrangement at G. P. Station flood gate No. 2 ... ... | ... | 1,546 | 1,546 |
| Providing roof over public urinal at Parel Road ... ... ... ... | ... | 1,271 | 1,271 |
| Providing and fixing a wash basin with water tap and drainage arrangement and water connection in the H. S. Chamber at Annesley Road ... ... ... ... | ... | 309 | 309 |
| Providing electric lights in the quarters of the Labour Staff at D.P. Works, Love Grove Pumping Stations, etc. ... ... ... ... ... ... | ... | 4 | 4 |
| Experiment of compost preparation at D. P. Works on a moderate scale so as to gain the necessary experience ... ... ... ... ... ... | ... | 5,148 | 5,148 |
| Construction of a passage at Haines Road Cemetery off Dr. A. B. Road for dumping the refuse... | ... | 5,939 | 5,939 |
| Providing 3 lights, 2 wall plugs 2 pin type in C.T.S. wire complete with lamps and shades. in the two temples at Arthur Road ... ... ... ... ... ... | ... | 103 | 103 |
| Improving the water supply of bullockstable at Kasarwadi, Sorab Mill Lane, Dadar, G North | ... | 539 | 539 |
| Providing storage tank at Tank Bunder Pumping Station ... ... ... | ... | 44 | 44 |
| Providing covering over three transformers at Matunga Pumping Station ... ... | ... | 942 | 942 |
| Providing 4 flood lights at Mahalaxmi Siding ... ... ... ... | ... | 942 | 942 |
| Installation of a pilot plant for experimental works in connection with Drugs and Digestion at D. P. Works (1) Mental out fit ... ... ... ... ... | ... | 3,369 | 3,369 |
| Providing and fixing 1" dia. G. I. P. for improving water supply at C and D Blocks of Kasarwadi Chawl ... ... ... ... ... ... ... ... | ... | 34 | 34 |
| Improving water supply at Palton Road Stable ... ... ... ... | ... | 400 | 400 |
| Removal of square sleepers of size of country teak wood for putting into railway crossing ... | ... | 9,469 | 9,469 |
| Provision of a pair of a square flag for flood gates in the open channel at L. G. P. Station ... | ... | 476 | 476 |
| Changes in distribution system of water pipe at Bigari's chawl at Dadar Main Road ... | ... | 53 | 53 |
| Making 6"×2" connection and providing 2 hydrants in the compound of E/East Stable at Agripada ... ... ... ... ... ... ... | ... | 244 | 244 |
| Providing pumping arrangements etc., for improving water supply of H.D. Bigari's chawls at DeLisle Road ... ... ... ... ... ... | ... | 53 | 53 |
| Total IV.—Street, Cleansing, etc. ... | 1,34,050 | 33,618 | 1,67,668 |
| **VIII.—Roads, Drains and Sewers.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 90,134 | ... | 90,134 |
| Reserve or petty Drainage Works ... ... ... ... ... | 66,616 | 18,481 | 85,097 |
| Providing electric lights in rooms of Chowkidars of B to F Wards and emergency gang chawls for labourers at Souter Street 'E' Ward ... ... ... ... | 562 | 8 | 570 |
| Constructing a W.C., Urinal, W.P. with wash basin on the north side of compound of newly constructed drainage chowky of F Ward at Elphinstone Road, Parel ... ... | ... | 3,039 | 3,039 |
| Dismantling the existing stone wall of Garden, bridge and providing instead iron railings to improve visibility for fast moving traffic ... ... ... ... | ... | 3,529 | 3,529 |
| Constructing a new R.C.C. structure instead of the existing one at Frere Bridge leading to Grant Road Station ... ... ... ... ... ... | ... | 4,738 | 4,738 |
| Converting wards and other structures into residential quarters at Maratha Hospital ... | ... | 983 | 983 |
| Providing concrete slabs along Mahatma Gandhi Road ... ... ... | ... | 2,451 | 2,451 |
| Total, VIII.—Roads, Drains and Sewers ... | 1,57,312 | 33,229 | 1,90,541 |
| **IX.—Mechanical.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 66,904 | ... | 66,904 |
| Installation of a pilot plant for experimental works at Dadar Purification Works for Civil Engineering Works ... ... ... ... ... ... ... | 299 | 19 | 318 |
| Repairs to the hall below the overhead storage tank in the compound of the Municipal Workshops to accommodate temporarily the office of L. O. ... ... ... | ... | 283 | 283 |
| Converting wards and other structures into residential quarters at Maratha Hospital ... | ... | 298 | 298 |
| Incidental works for the installation of the lubricating and servicing equipment for Municipal lorries ... ... ... ... ... ... ... ... | ... | 943 | 943 |
| Total, IX.—Mechanical. ... | 67,203 | 1,543 | 68,746 |
| **X.—Buildings, Land Acquisition, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 12,260 | ... | 12,260 |
| Providing additional storage tank at the Central Bungalow ... ... ... | ... | 461 | 461 |
| Converting the ward into residential quarters in the Maratha Hospital ... ... | ... | 513 | 513 |
| Providing two lights in the room occupied by stall-board inspector, B Ward at 92, Gujar Street Junction, Chimna Butcher Street ... ... ... ... ... | ... | 62 | 62 |
| Making additions and alterations in the electric installation at Old Maratha Hospital ... | ... | 176 | 176 |
| Total X.—Buildings, Land Acquisition, etc. ... | 12,260 | 1,212 | 13,472 |
| Total—Carried forward ... | 7,66,685 | 1,38,642 | 9,05,327 |

# APPENDIX No. 4-A—(*Contd.*)

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Total—Brought over ... | 7,66,685 | 1,38,642 | 9,05,327 |
| **XI.—Fire Brigade.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 37,160 | ... | 37,160 |
| Dismantling drill tower at Babula Tank Station and refitting it at Mandvi Fire Station ... | 599 | 2,652 | 3,251 |
| Providing roof and railing to the verandah of Second Officer's quarters at Byculla ... | 1,152 | 238 | 1,390 |
| Nahanis in the rooms in the rear chawls at Gowalia Tank Fire Station ... ... | ... | 474 | 474 |
| Construction of four rooms at the Fire Brigade, Head Quarters, Byculla ... ... | ... | 91 | 91 |
| Cement concreting the passage in front of the Engine Room at Head Quarters, Byculla and the part of the passage to Fire Brigade Workshop, Byculla ... ... ... | ... | 2,922 | 2,922 |
| Raising the Compound wall at the rare of the workshop at Byculla ... ... | ... | 1,231 | 1,231 |
| Providing additional overhead storage tank to Station Officers, Pawar's quarters ... | ... | 249 | 249 |
| Purchase of an electrically driven pumping set for Fort Fire Brigade Station ... ... | ... | 1,177 | 1,177 |
| Provision for meeting excess expenditure over B. P. T. share for maintenance of Alexandra Docks Fire Station ... ... ... ... ... ... | ... | 14,780 | 14,780 |
| Total, XI.—Fire Brigade ... | 38,911 | 23,814 | 62,725 |
| **XII.—Licensing, Removal of Encroachments, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 7,988 | ... | 7,988 |
| Enclosing the verandah of F and G Ward Office at Parel, Poibavdi ... ... ... | ... | 40 | 40 |
| Installation of electric light in the compound of the encroachment ward office, at Sankli Street, Byculla ... ... ... ... ... ... ... | ... | 59 | 59 |
| Constructing a temporary shed in front of the Office of Encroachment Department at Sankli Street ... ... ... ... ... ... ... ... | ... | 2,281 | 2,281 |
| Providing six electric lights at Bellasis Road, low level reserve area ... ... ... | ... | 376 | 376 |
| Total, XII.—Licensing, etc. ... | 7,988 | 2,756 | 10,744 |
| **XIII.—Gardens and Open Spaces.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 1,08,387 | ... | 1,08,387 |
| Constructing small birds cage departmentally ... ... ... ... | 352 | 696 | 1,048 |
| Providing retaining wall and embankment to East compound wall of the Worli Top Garden... | 1,009 | 1,940 | 2,949 |
| Providing 4 wooden benches as plat-form for vocal music at Kings Circle Garden, Matunga | 36 | 338 | 374 |
| Providing a radio with accessories in Victoria Gardens ... ... ... ... | 2,886 | 569 | 3,455 |
| Providing new playing apparatus in various Municipal Gardens ... ... ... | 8,353 | 2,456 | 10,809 |
| Providing an iron gate at the recreation ground at Mutton Street ... ... ... | 3 | 407 | 410 |
| Providing 5 light points and a wall plug at Wellington Memorial Playground ... ... | ... | 279 | 279 |
| Providing and fixing one iron gate at Chowpatty Band Stand ... ... ... | ... | 275 | 275 |
| Providing Children's Corner at King's Circle Garden ... ... ... ... | ... | 181 | 181 |
| Providing sandpits at Northbrooke Garden ... ... ... ... ... | ... | 557 | 557 |
| Providing Recreation Ground at Khetwadi ... ... ... ... ... | ... | 358 | 358 |
| Providing playground at Cyrus Avenue ... ... ... ... ... | ... | 469 | 469 |
| Providing 4 Electric points in the Zoo Infirmary ... ... ... ... | ... | 133 | 133 |
| Converting the existing C. I. shed in the infirmary into two rooms—one for the dresser and the other for the dispensary ... ... ... ... ... ... | ... | 1,189 | 1,189 |
| Providing partition in the Pigeon's Cage ... ... ... ... ... | ... | 151 | 151 |
| Conversion of washing place in the ladies Cloack Room into W.C. in front of the Victoria Gardens Office ... ... ... ... ... ... ... | ... | 610 | 610 |
| Levelling the ground and renovating the lawn at Mastan Talao Recreation Ground ... | ... | 1,911 | 1,911 |
| Providing electric lights in the rooms allotted to Malis and Animal-keepers at Victoria Gardens ... ... ... ... ... ... ... | ... | 757 | 757 |
| XIII—Gardens and Open Space—Carried forward ... | 1,21,026 | 13,276 | 1,34,302 |
| Total—Carried forward ... | 8,13,584 | 1,65,212 | 9,79,796 |

# APPENDIX No. 4-A—(*Concld.*)

| | Expenditure upto 31-3-52. | Expenditure during the year. 1952-53 | Total Expenditure up to 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Total—Brought Over ... | 8,13,584 | 1,65,212 | 9,78,796 |
| **XIII—Garden—& Open Spaces—Brought Over** ... | 1,21,026 | 13,276 | 1,34,302 |
| Providing barbed wire fencing behind Ward No. 2 along Ward Nos. 1 and 2 to isolate the Nursery and its stores ... ... ... ... ... ... | ... | 245 | 245 |
| Constructing a Band Stand in Northbrooke Garden ... ... ... ... | ... | 8,766 | 8,766 |
| Fixing one additional N. P.Hydydrant at L. R. Tairsee Bhatia Baug at Bori Bunder ... | ... | 54 | 54 |
| Providing one set of Seasaw at Veer Kotwal Garden at Dadar ... ... ... | ... | 387 | 387 |
| Providing N. P. Hydrants at Bhatia Baug at Bori Bunder ... ... ... ... | ... | 153 | 153 |
| Providing gymnasium apparatus in various Municipal Gardens ... ... ... | ... | 5 | 5 |
| Providing an iron gate and turn stile ... ... ... ... ... | ... | 2 | 2 |
| Providing turn stiles with barrion walls at Victoria Gardens ... ... ... | ... | 357 | 357 |
| Providing gymnasium apparatus at Bhulabhai Desai Garden ... ... ... | ... | 1,248 | 1,248 |
| Providing portable six snake's cages at Victoria Gardens ... ... ... | ... | 438 | 438 |
| Providing fencing etc. to Recreation ground at Cadell Road next to Vanita Vishram Mahim Foreshore Garden ... ... ... ... ... ... ... | ... | 6 | 6 |
| Improving L. R. Tairsee Bhatia Baug and providing 12 new benches ... ... | ... | 681 | 681 |
| Providing R.C.C. Chowky for Watchmen at Sion ... ... ... ... | ... | 953 | 953 |
| Total, XIII.—Gardens and Open Spaces ... | 1,21,026 | 26,571 | 1,47,597 |
| **XIV.—Markets and Slaughter Houses.** | | | |
| Works completed (as per) Report for 1951-52) ... ... ... ... | 62,076 | ... | 62,076 |
| Construction of 82 temporary stalls at Gold Mohur Castle Market at Byculla ... ... | 14,787 | 4,720 | 19,507 |
| Provision of a toilet room for lady clerks in S. M.s' Office ... ... ... | ... | 378 | 378 |
| Providing X.P.M. fencing in flower, old and new Vegetable and Fish Section of Erskine Road Market ... ... ... ... ... ... | ... | 7,025 | 7,025 |
| Providing weather sheds to the windows and renewing railings to the peons' quarters at Peddar Market ... ... ... ... ... ... ... | ... | 1,035 | 1,035 |
| Constructing a screen wall and concreting the passage on the side of W.C. blocks at Peddar Market ... ... ... ... ... ... ... | ... | 918 | 918 |
| Providing Nahanis in the Labourer's quarters and connecting the same to the regular drain of Fergusson Road Market ... ... ... ... ... ... | ... | 335 | 335 |
| Closing the open channel drain by precast C. C. slabs in the Military shed at Bandra Slaughter House ... ... ... ... ... ... ... | ... | 550 | 550 |
| Providing blue stone pavement outside the temporary Fish Section at Parel Village Market ... | ... | 475 | 475 |
| Providing gas lights in the squatter shed at Elphinstone Road Market ... ... | ... | 1,392 | 1,392 |
| Providing two storage tanks of 1500 gallons in the North-West and South-E-east corner in the Fish Section at Dadar Market ... ... ... ... ... | ... | 3,726 | 3,726 |
| Providing direct connection to drain inspection chamber at 28-29 Earskine Road Market ... | ... | 125 | 125 |
| Providing 7 canopies over the inside footpath of Fruit and Vegetable Section of A. C. Market | ... | 2 | 2 |
| Providing one additional W.C. at the Prabhadevi Market ... ... ... | ... | 744 | 744 |
| Providing Old C. I. sheet fencing on the western side of G. M. C. Market ... ... | ... | 3,353 | 3,353 |
| Providing roof ventilator in Fruit Section at Fort Market ... ... ... | ... | 396 | 396 |
| Providing 3 additional lights in labour chawls at Bandra Slaughter House ... ... | ... | 52 | 52 |
| Shifting Mutton and Beef Stalls at Colaba Market ... ... ... ... | ... | 2 | 2 |
| Constructing new C. I. Sheets Compound wall at Byculla ... ... ... | ... | 2,115 | 2,115 |
| Additions and alterations at Colaba Market ... ... ... ... | ... | 7 | 7 |
| Total, XIV.—Markets, etc. ... | 76,863 | 27,350 | 1,04,213 |
| Total—New Works... | 10,11,473 | 2,19,133 | 12,30,606 |

# APPENDIX No. 4—B

*Statement showing details of Expenditure on works carried out from the amount transferred out of Post-War Reconstruction Fund.*

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| **I.—General Supervision, Collection of Revenue, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... ... | 57,850 | ... | 57,850 |
| Total—I.—General Supervision, etc. | 57,850 | ... | 57,850 |
| **II.—Water Works.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... ... | 5,59,118 | ... | 5,59,118 |
| Purchase of a weigh bridge type weighing machine for Ghatkopar Workshop ... ... | 5,453 | 1,500 | 6,953 |
| Replacement of pumping unit at Malbar Hill Reservior ... ... ... ... | 15,781 | 218 | 15,999 |
| Replacement of Hydrostats at Powai ... ... ... ... | 43,087 | 409 | 43,496 |
| Providing standby pumping unit for the Pumping Station at Parel Government Gate Road. | ... | 11,000 | 11,000 |
| Supply of Indicators showing rate of flow and loss of head for 3 rapid sand fitters at Tulsi ... | ... | 3,424 | 3,424 |
| Total—II.—Water Works ... | 6,23,439 | 16,551 | 6,39,990 |
| **V.—Public Health Department.** | | | |
| Works completed (as per Report 1951-52) ... ... ... ... ... | 14,329 | ... | 14,329 |
| Construction of an additional storey over the existing office of A.H.O. Malaria at Fort Market, Mint Road ... ... ... ... ... ... ... | ... | 12,443 | 12,443 |
| Total—V.—Public Health Department ... | 14,329 | 12,443 | 26,772 |
| **VI.—Medical Relief and Education.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 5,87,599 | ... | 5,87,599 |
| Oil painting the wood work and colour washing internally and externally the Eye Hospital at Kamathipura ... ... ... ... ... ... ... ... | 1,061 | 17 | 1,078 |
| Providing pumping arrangements with necessary water pipe fittings for improving the water supply of sanitary and domestic purposes in the Venereal Diseases Clinic at Bellasis Road ... | 4,835 | 2,535 | 7,370 |
| Additions and alterations to some of the hutments taken over from the naval authorities at R. P. T. B. Hospital, Sewree ... ... ... ... ... ... ... | 60,020 | 779 | 60,799 |
| Providing iron grills to the windows in Wards Nos. 5, 6, 7, 8, 11, 12, 13 and 15 ... | 5,988 | 616 | 6,604 |
| Providing three additional rooms for O. P. D. ... ... ... ... | ... | 4,060 | 4,060 |
| Construction of a curved pathway between the College building and the Hospital Registration Hall ... ... ... ... ... ... ... | ... | 6,017 | 6,017 |
| Provision of one additional water pump at R. P. T. B. Hospital ... ... ... | ... | 1,915 | 1,915 |
| Renewing the wiring of electric installations attached to Shroff Dispensary and Khetwadi Maternity Home ... ... ... ... ... ... ... | ... | 1 | 1 |
| Construction of W.C.s and bath-rooms in Chawl No. 9 at R. P. T. B. Hospital ... | ... | 3,409 | 3,409 |
| Purchase of centrifugal pump at Turner Sanitorium ... ... ... ... | ... | 1,649 | 1,649 |
| Polishing and Painting of the furniture and equipment at Turner Sanitorium ... ... | ... | 290 | 290 |
| Total VI.—Medical Relief and Education. ... | 6,59,503 | 21,288 | 6,80,791 |
| Total—Carried forward ... | 13,55,121 | 50,282 | 14,05,403 |

# APPENDIX No. 4-B—(*Concld.*)

| | Expenditure upto 31-3-1952. | Expenditure during the year 1952-53. | Total Expenditure upto 31-3-1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Brought over ... | 13,55,121 | 50,282 | 14,05,403 |
| **VII.—Street Cleansing and Conservancy, etc.** | | | |
| Works completed (as per report for 1951-52) ... ... ... ... | 6,83,534 | ... | 6,83,534 |
| Repairs to wood works at Palton Road H. D. Stables ... ... ... ... | ... | 13,092 | 13,092 |
| Providing overhead cross beams to facilitate the handling of pump parts etc., from sump pits at Pumping Stations at Jacob Circle etc. ... ... ... ... | ... | 874 | 874 |
| Renewing the built up dredger beam, gusset staybars of No. 2 dredger at Love Grove Pumping Station ... ... ... ... ... ... ... | ... | 2,153 | 2,153 |
| Providing additional storage tank for bathing articles at Valpakhadi ... ... | ... | 1,547 | 1,547 |
| Providing electric lights at Sweepers chawls in charge of the Conservancy Branch of H. D. at Kasarwadi Chawl ... ... ... ... ... ... | ... | 21,663 | 21,663 |
| Total, VII.—Street, Cleansing, etc. ... | 6,83,534 | 39,329 | 7,22,863 |
| **VIII—Roads, Drains and Sewers.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 4,76,715 | ... | 4,76,715 |
| Total—VIII.—Roads, Drains & Sewers ... | 4,76,715 | ... | 4,76,715 |
| **IX.—Mechanical** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 10,15,520 | ... | 10,15,520 |
| Purchase of 6 Leyland vehicles for transport of road materials ... ... ... | ... | 1,98,248 | 1,98,248 |
| Total, IX.—Mechanical ... | 10,15,520 | 1,98,248 | 12,13,768 |
| **X.—Buildings, Land and Acquisition.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 4,467 | ... | 4,467 |
| Total—X.—Buildings, Land and Acquisition ... | 4,467 | ... | 4,467 |
| **XI.—Fire Brigade.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... ... | 2,38,931 | ... | 2,38,931 |
| Total—XI.—Fire Brigade ... | 2,38,931 | ... | 2,38,931 |
| **XII.—Licensing, and Removal of Encroachments, etc.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... | 51,954 | ... | 51,954 |
| Total—XII.—Licensing, etc. ... | 51,954 | ... | 51,954 |
| **XIII.—Gardens and Open Spaces.** | | | |
| Works Completed (as per Report for 1951-52) ... | 1,79,398 | ... | 1,79,398 |
| Providing the cement parapet wall around the band stand and providing R. C. C. posts for fencing and providing R. C. C. box for electric installation at King's Circle Garden ... | 6,009 | 217 | 6,226 |
| Providing Electric Installation at Chowpaty Band Stand ... ... ... ... | 472 | 96 | 568 |
| Constructing 15' passage in Victoria Garden ... ... ... ... ... | 58 | 37 | 95 |
| Development of Nardulla Tank Maidan ... ... ... ... ... ... | 1,630 | 7,099 | 8,729 |
| Providing retaining wall and embankment to the East compound wall of Worli Top Garden | ... | 257 | 257 |
| Total.—XIII.—Gardens, etc. ... | 1,87,567 | 7,706 | 1,95,273 |
| **XIV.—Markets and Slaughter Houses.** | | | |
| Works completed (as per Report for 1951-52) ... ... ... ... ... | 2,75,058 | ... | 2,75,058 |
| Oil painting or colour washing or white-washing of Municipal Markets ... ... ... | 66,418 | 1,717 | 68,135 |
| Widening the road running through fair ground at Bandra Slaughter House ... ... | 163 | 690 | 853 |
| Total—XIV.—Markets and Slaughter Houses ... | 3,41,639 | 2,407 | 3,44,046 |
| Grand Total ... | 43,55,448 | 2,97,972 | 46,53,420 |

# Appendix No. 5

## *Revenue Account Balance Sheet as at 31st March 1953.*

| LIABILITIES. | Rs. | a. | p. |
|---|---|---|---|
| **Debts—** | | | |
| Due on Cash Bills Outstanding Account ... | 41,950 | 11 | 10 |
| ,, Cheques payable ... | 28,65,109 | 11 | 4 |
| ,, Stores purchased, Outstanding Accounts ... | 5,98,236 | 14 | 0 |
| ,, Outstanding Charges for 1952-53 and previous years ... | 48,61,304 | 0 | 0 |
| ,, Outstanding Charges on account of Interest accrued but not paid (*Vide* details shown in Appendix No. 14-E) ... | 11,41,675 | 5 | 0 |
| Interest on investments of the value of lost Municipal Debentures in Post office Savings Bank ... | 313 | 10 | 0 |
| Improvement Schemes— | | | |
| Contribution falling due in 1953-54 ... | 39,11,482 | 0 | 0 |
| Deposits in Cash and Public Securities from Contractors and private parties (*Vide* details shown in Appendix No. 14-C)... | 2,67,48,142 | 3 | 0 |
| | 4,01,68,214 | 7 | 2 |
| Public Monuments Maintenance Fund (*vide* details shown in Appendix No. 16-B) ... | 1,73,338 | 7 | 0 |
| Endowments Fund (*vide* details shown in Appendix No. 16-C) | 8,26,020 | 14 | 5 |
| | 9,99,359 | 5 | 5 |
| **Stock Account—** | | | |
| Capital Purchases Account, etc. ... | *Dr.* 15,42,441 | 12 | 3 |
| Stock Adjustment Account ... | 2,811 | 11 | 9 |
| | *Dr.* 15,39,630 | 0 | 6 |
| **Special Funds as at 31st March 1953—** | | | |
| Municipal Fire and Accident Insurance Fund ... | 16,91,563 | 2 | 8 |
| Net Premia Fund ... | 52,50,819 | 8 | 4 |
| Provident Fund ... | 4,63,81,493 | 11 | 8 |
| Fines Fund ... | 4,09,892 | 11 | 5 |
| Plant and Machinery Depreciation Fund ... | 30,55,348 | 5 | 10 |
| Renewal of Road Surfaces Fund ... | 25,28,827 | 1 | 9 |
| Garden Fund (*a*) Victoria Gardens ... | 2,37,262 | 2 | 7 |
| Garden Fund (*b*) Other Gardens ... | 52,797 | 9 | 0 |
| Hospital Fund ... | 17,05,451 | 0 | 9 |
| Slum Service Fund ... | 2,23,195 | 14 | 3 |
| K. E. M. Hospital and G. S. M. College Equipment Fund | 2,12,430 | 15 | 3 |
| G. S. M. College and K. E. M. Hospital Research Fund ... | 2,06,900 | 14 | 10 |
| Precast Concrete Slab Pavements Renewal Fund ... | 2,46,429 | 0 | 0 |
| Fidelity Guarantee Insurance Fund ... | 83,898 | 1 | 6 |
| Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund ... | 8,00,000 | 0 | 0 |
| Victoria & Albert Museum Fund ... | 29,490 | 7 | 0 |
| Welfare Fund ... | 3,04,361 | 1 | 0 |
| | 6,34,20,161 | 11 | 10 |
| **Suspense Account—** | | | |
| Balance of Proceeds of Rs. 7½ Crores Loan for taking over Combined Undertaking of the B. E. S. & T. Co. Ltd.... | 2 | 8 | 0 |
| Balance of Proceeds of Rs. 2 Crores Loan for Capital works of the B. E. S. & T. Undertaking ... ... | 16,615 | 14 | 3 |
| | 16,618 | 6 | 3 |
| Carried Forward ... | 10,30,64,723 | 14 | 2 |

| ASSETS. | Rs. | a. | p. |
|---|---|---|---|
| Cash at Bank ... | 1,02,86,238 | 12 | 11 |
| Cash in Office ... | 7,30,858 | 2 | 8 |
| Municipal Loans—Interest warrants Payable Account ... | 57,256 | 7 | 2 |
| B. I. Trust Loans—Interest warrants Payable Account ... | 13,953 | 11 | 4 |
| Interest on B. I. Trust Loans Payable Account ... | 4,998 | 15 | 4 |
| | 1,10,93,306 | 1 | 5 |
| **Debts—** | | | |
| Due for Stores sold ... | *Cr.* 15,62,991 | 15 | 3 |
| **Stock**—(*Vide* Appendix No. 14-D) | | | |
| Stock (Reserve Stores) ... | 30,99,859 | 11 | 11 |
| Line Suspense Account ... | 68,116 | 8 | 10 |
| | 31,67,976 | 4 | 9 |
| Capital Stores— | | | |
| Stock ... | 5,56,785 | 3 | 4 |
| | 37,24,761 | 8 | 1 |
| Plant and Machinery ... | 25,22,643 | 14 | 4 |
| Advance to Budget 'D' ... | 30 | 4 | 0 |
| Advance for finanacing Capital expenditure pending raising of the loan ... | 45,64,287 | 1 | 6 |
| **Advances, Recoverable**—(*Vide* Appendix No. 14-A) | | | |
| Departmental Works ... | 31,02,521 | 11 | 11 |
| Private Works ... | 8,09,591 | 8 | 5 |
| Asphalt Plant Crushers, etc. ... | 7,73,144 | 2 | 7 |
| Municipal Officers ... | 2,08,495 | 14 | 6 |
| Sundries—Miscellaneous—Advances ... | 17,02,385 | 4 | 8 |
| Municipal Tenderers, Contractors, etc. ... | 10,568 | 14 | 5 |
| Purchase of Coal ... | 685 | 10 | 0 |
| Purchase of Petrol ... | 1,71,123 | 2 | 0 |
| | 67,78,516 | 4 | 6 |
| **Advances out of Special Funds**—(*Vide* Appendix No. 14-B) | | | |
| Advances from Plant and Machinery Depreciation Fund for Purchase of Plant and Machinery ... | 7,066 | 5 | 0 |
| Levelling, Metalling etc., Private Streets ... | 3,68,783 | 6 | 10 |
| Advances to lowpaid Municipal employees out of Fines Fund ... | 303 | 8 | 0 |
| Amount advanced from Net Premia Fund for the purchase of Plant and Machinery for the Municipal Printing Press | 1,40,071 | 5 | 0 |
| Amount advanced from Net Preima fund for Indian Military Hospital at Dharavi ... | 3,35,000 | 0 | 0 |
| Advances for meeting Capital Expenditure from:— | | | |
| Municipal Fire and Accident Insurance Fund ... | 10,23,496 | 11 | 3 |
| Plant and Machinery Depreciation Fund ... | 18,87,104 | 4 | 0 |
| Renewal of Road Surfaces Fund ... | 11,46,632 | 7 | 6 |
| Net Premia Fund ... | 43,41,851 | 2 | 1 |
| Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund ... | 4,84,681 | 11 | 0 |
| K. E. M. Hospital & G.S.M. College Research Fund... | 56,781 | 15 | 0 |
| ,, ,, ,, Equipment Fund | 1,17,069 | 3 | 6 |
| Slum Service Fund ... | 70,253 | 2 | 0 |
| Hospital Fund ... | 10,18,323 | 1 | 0 |
| Precast Concrete Slabs Pavement Renewal Fund ... | 93,594 | 4 | 0 |
| Gardens Fund—(*a*) Victoria Garden ... | 76,122 | 14 | 0 |
| Amount advance from Net Premia Fund for additions and alterations to Dharavi Hospital ... | 1,023 | 11 | 0 |
| | 1,11,68,163 | 15 | 2 |
| **Deposits in Public Securities—** | | | |
| With the Imperial Bank of India ... | ‡‡57,98,400 | 0 | 0 |
| With Post Office Saving Bank for Lost M. Debentures | 22,813 | 10 | 0 |
| In Office ... | *7,45,600 | 0 | 0 |
| | 65,66,813 | 10 | 0 |
| Carried Forward ... | 4,48,55,530 | 11 | 9 |

† Includes an amount of Rs. 16,618-6-3 being the Cash in respect of B. E. S. & T. Committee.

* Includes Rs. 10,000 kept in office Treasury as securities were not received by the party, and held under Deposit Account F Paper Deposit etc.

‡‡ Securities of Rs. 6,500 sent to the Imperial Bank but not accounted by the Bank for 1952-53.

## Appendix No. 5.—(*Concld.*)

| LIABILITIES. | Rs. a. p. | ASSETS. | In securities. Rs. a. p. | Deposits in Cash, Fixed & Current a/c. Rs. a. p. | Rs. a. p. |
|---|---|---|---|---|---|
| Brought forward ... | 10,30,64,723 14 2 | Brought forward ... | | | 4,48,55,530 11 9 |
| **Surplus Revennue Fund as per Appendix No.2.** ... | 1,79,27,789 10 2 | **Investments—Special Funds.*** | | | |
| | | **Municipal Fire and Accident Insurance Fund** ... | 6,67,792 10 0 | 273 13 5 | 6,68,066 7 5 |
| | | **Net Premia, etc., on different Municipal Loans** ... | 4,32,568 8 0 | 299 14 3 | 4,32,868 6 3 |
| | | **Provident Fund** ... | 4,63,81,155 8 0 | 338 3 8 | 4,63,81,493 11 8 |
| | | **Fines Fund** ... | 4,09,357 12 0 | 231 7 5 | 4,09,589 3 5 |
| | | **Plant and Machinery Depreciation Fund** ... | 7,92,221 2 0 | 173 4 0 | 7,92,394 6 0 |
| | | **Renewal of Road Surfaces Fund** ... | 8,82,077 8 0 | 5,00,117 2 3 | 13,82,194 10 3 |
| | | **Garden Fund** (*a*) **Victoria Gardens** ... | 1,61,093 4 0 | 46 0 7 | 1,61,139 4 7 |
| | | (*b*) **Other Gardens** ... | 52,600 0 0 | 197 9 0 | 52,797 9 0 |
| | | **Hospital Fund** ... | 6,86,991 12 0 | 136 3 9 | 6,87,127 15 9 |
| | | **Slum Service Fund** ... | 1,52,800 0 0 | 142 12 3 | 1,52,942 12 3 |
| | | **K.E.M. Hospital and G.S.M. College Equipment Fund** ... | 95,195 0 0 | 166 11 9 | 95,361 11 9 |
| | | **G.S.M. College and K.E.M. Hospital Research Fund** ... | 1,49,893 0 0 | 225 15 10 | 1,50,118 15 10 |
| | | **Precast Concrete Slab Pavements Renewal Fund** ... | 1,52,600 0 0 | 234 12 0 | 1,52,834 12 0 |
| | | **Fidelity Guarantee Insurance Fund** ... | 83,700 0 0 | 198 1 6 | 83,898 1 6 |
| | | **Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund.** | 1,58,600 0 0 | 1,56,718 5 0 | 3,15,318 5 0 |
| | | **Victoria & Albert Museum Fund** ... | 29,300 0 0 | 190 7 0 | 29,490 7 0 |
| | | **Welfare Fund** ... | 2,66,500 0 0 | 37,861 1 0 | 3,04,361 1 0 |
| | | | 5,15,54,446 0 0 | 6,97,551 12 8 | 5,22,51,997 12 8 |
| | | **Investment of Surplus moneys in Public Securities.** | | | |
| | | 3% Conversion Loan 1946† ... | 34,446 6 2 | ... | 34,446 6 2 |
| | | **Public Monuments Maintenance Fund.** | | | |
| | | (*Vide* Appendix No. 16-B) ... | 1,73,246 7 0 | 92 0 0 | 1,73,338 7 0 |
| | | **Endowments Fund.** (*Vide* Appendix No. 16-C) ... | 8,25,751 10 6 | 269 3 11 | 8,26,020 14 5 |
| | | **Surplus Fund.** | Face value. | Cost. | |
| | | 4% Govt. Loan 1960-70 ... | 63,300 0 0 | 57,077 10 0 | |
| | | 4% B.I.T. Debentures ... | 16,900 0 0 | 15,740 12 0 | |
| | | 3% Municipal Debentures ... | 22,77,200 0 0 | 22,77,200 0 0 | |
| | | 3¼% Municipal Debentures ... | 2,20,600 0 0 | 2,20,600 0 0 | |
| | | 3½% Municipal Debentures ... | 400 0 0 | 400 0 0 | |
| | | 3¾% Municipal Debentures ... | 2,24,800 0 0 | 2,24,800 0 0 | |
| | | 4% Municipal Debentures ... | 24,27,800 0 0 | 24,27,800 0 0 | |
| | | 3% Conversion Loon 1946 ... | 5,73,200 0 0 | 5,76,001 0 0 | |
| | | 2¾% Loan 1962 ... | 7,61,000 0 0 | 7,61,000 0 0 | |
| | | | 65,65,200 0 0 | 65,60,619 6 0 | |
| | | In cash, fixed, call and current a/c. Deposits ... | | 1,62,90,559 14 4 | 2,28,51,179 4 4 |
| Total ... | 12,09,92,513 8 4 | Total ... | 5,91,48,509 13 8 | 1,69 88,472 14 11 | 12,09,92,513 8 4 |

* For Face, Purchase and Market Values of each kind of securities held in the Special Funds, please see Appendix No. 16.

† In respect of permanent deposits from lessees.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# APPENDIX No. 6

## Statement of Special Funds for 1952—53.

### Municipal Fire and Accident Insurance Fund.*

(Corporation Resolution No. 4572, dated the 4th October 1888, Corporation Resolution No. 4479, dated the 5th October 1914, Corporation Resolution No. 5408, dated the 21st September 1922, Standing Committee Resolution No. 3451, dated the 2nd July 1924, and Corporation Resolution No. 13888, dated the 18th February 1926).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 16,34,477 14 8 |
| Contributions for the year ... | | 4,469 11 0 |
| Interest realised during the year ... | | 59,961 8 0 |
| Expenditure incurred during the year ... | 7,345 15 0 | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5— | | |
| Rs. a. p. | | |
| Amount advanced for financing Capital Expenditure 10,23,496 11 3 | | |
| Amount held in Securities and Cash ... 6,68,066 7 5 | 16,91,563 2 8 | |
| Total ... | 16,98,909 1 8 | 16,98,909 1 8 |

* Accumulations in the fund are allowed to Rs. 16 lakhs under C. R. No. 297 of 8-7-1943. A circular has been issued for additional Plant & Machineries to be insured and Corporation's sanction will be obtained for additional accumulation.

### Net Premia Fund.

(Corporation Resolution Nos. 5294, dated the 19th November 1888, No. 9222, dated the 11th December 1893 and No. 5179, dated the 15th November 1906 and Standing Committee Resolution No. 3343, dated the 28th August 1907).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 52,52,121 10 4 |
| Sale of water-marked paper ... | | 95 6 0 |
| Expenditure incurred during the year | 1,397 8 0 | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5— | | |
| Rs. a. p. | | |
| Amount advanced for financing Capital Expenditure 43,42,879 13 1 | | |
| Amount advanced for purchase of Plant and Machinery for Municipal Printing Press pending adjustment against the provisions for depreciation in subsequent years ... 1,40,071 5 0 | | |
| Amount advanced for Dharavi Hospital ... 3,35,000 0 0 | | |
| Amount held in Securities, and Cash ... 4,32,868 6 3 | 52,50,819 8 4 | |
| Total ... | 52,52,217 0 4 | 52,52,217 0 4 |

* Out of this, Rs. 32,65,857 belong to Water Works Account.

### Fines Fund.

(Corporation Resolution No. 1217 of 12th May 1919).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 4,63,799 5 8 |
| Interest realised during the year ... | | 15,903 2 0 |
| Net Recoveries of fines during the year.... | | 27,735 9 0 |
| Expenditure during the year ... | 97,545 5 3 | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5— | | |
| Rs. a. p. | | |
| Advances to Municipal Employees as sanctioned under C.R. No. 15 of 9-4-42 ... 303 8 0 | | |
| Amount held in Securities and Cash ... 4,09,589 3 5 | 4,09,892 11 5 | |
| Total Rs. ... | 5,07,438 0 8 | 5,07,438 0 8 |

### Plant and Machinery Depreciation Fund.

(Corporation Resolution No. 5533 of 1st September 1924).

| | Dr. Rs. a. p | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 31,12,292 3 9 |
| Amount of depreciation on plant and machinery credited to Fund account during the year ... | | 33,363 7 1 |
| Expenditure on purchase of Plant and Machinery for replacement ... | 90,307 5 0 | |
| Additional contribution to the Fund ... | | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5— Rs. a. p. | | |
| Amount advanced for financing Capital Expenditure ... 18,87,104 4 0 | | |
| Amount advanced for purchase of Plant and Machinery pending adjustment against provisions for depreciation in subsequent years— Rs. a. p. | | |
| Balance on 1-4-1951 ... 9,375 5 0 | | |
| *Less*-Depreciation adjusted during the year ... 2,309 0 0 | | |
| 7,066 5 0 | | |
| Amount advanced for meeting expenditure on levelling, metalling, etc., Private Streets 3,68,783 6 10 | | |
| Amount held in Securities and Cash ... 7,92,394 6 0 | 30,55,348 5 10 | |
| Total ... | 31,45,655 10 10 | 31,45,655 10 10 |

### Depreciation Fund for replacement of Plant & Machinary purchased out Loan Funds.

(Corporation Resolution No. 1644 of 14th March 1949).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 8,00,000 0 0 |
| Balance on 31st March 1953 as per balance sheet Appendix No. 5. | | |
| Rs. a. p. | | |
| Amount advanced for financing Capital Expenditure 4,84,681 11 0 | | |
| Amount held in Fixed and Call Deposits, Cash and Securities ... 3,15,318 5 0 | 8,00,000 0 0 | |
| Total ... | 8,00,000 0 0 | 8,00,000 0 0 |

### Renewal of Road Surfaces Fund.

(Corporation Resolution No. 774 of 27th April 1925).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 25,14,181 6 9 |
| Interest realised during the year ... | | 95,975 9 0 |
| Contribution from Revenue during the year. | | 7,391 0 0 |
| Expenditure incurred during the year. ... | 88,720 14 0 | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5— | | |
| Advance for financing Capital Expenditure ... 11,46,632 7 6 Rs. a. p. | | |
| Amount held in Securities fixed deposit and Cash 13,82,194 10 3 | 25,28,827 1 9 | |
| Total Rs. ... | 26,17,547 15 9 | 26,17,547 15 9 |

### Garden Fund (a) Victoria Garden.

(Corporation Resolution No. 912, of 1st May 1930).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on April 1st 1952 ... | | 2,14,885 13 4 |
| Recoveries during the year ... | | 35,862 9 0 |
| Interest realised during the year ... | | 7,991 0 0 |
| Expenditure during the year ... | 21,477 3 9 | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | |
| Advance for financing Capital Expenditure... Rs. a. p. 76,122 14 0 | | |
| Amount held in Securities and Cash .. 1,61,139 4 7 | 2,37,262 2 7 | |
| Total Rs. ... | 2,58,739 6 4 | 2,58,739 6 4 |

### Garden Fund (b) Other Gardens.

(Corporation Resolution No. 140 of 5th May 1947).

| | Dr. Rs. a. p. | Cr. Rs. a. p. |
|---|---|---|
| Balance on 1st April 1952 ... | | 40,732 13 0 |
| Interest realised during the year ... | | 1,411 10 0 |
| Recoveries during the year ... | | 10,653 2 0 |
| Balance on 31st March 1953 as per balance Sheet, Appendix 5 | 52,797 9 0 | |
| Total ... | 52,797 9 0 | 52,797 9 0 |

# APPENDIX No. 6—(*Contd.*)

## Statement of Special Funds 1952-53.

### Levelling, Metalling, etc., Private Streets Fund.

Corporation Resolution No. 9427 of 23rd January 1922 and Corporation Resolution No. 11147 of 7th January 1926).

| | *Dr.* | *Cr.* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Expenditure incurred out of the amount advanced from Plant and Machinery Depreciation Fund as on 1st April 1952 ... | 2,83,041 10 1 | |
| Expenditure during the year ... | 78,567 15 0 | |
| Recoveries on account of expenditure during the year ... | | 3,971 1 3 |
| Interest charges during the year ... | 11,153 0 0 | 8 1 0 |
| Advance from Plant and Machinery Depreciation Fund as at 31st March 1953 ... | | 3,68,783 6 10 |
| Total Rs. ... | 3,72,762 9 1 | 3,72,762 9 1 |

### Public Monuments Maintenance Fund.

| | *Dr.* | *Cr.* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Balance on 1st April 1952 ... | | 1,73,338 7 0 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | 1,73,338 7 0 | |
| Total Rs. ... | 1,73,338 7 0 | 1,73,338 7 0 |

### Endowments Fund.

| | *Dr.* | *Cr.* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Balance on 1st April 1952 ... | | 7,77,938 12 2 |
| Interest, Bonus, etc., invested during the year and donations received ... | | 48,082 2 3 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | 8,26,020 14 5 | |
| Total Rs. ... | 8,26,020 14 5 | 8,26,020 14 5 |

### Hospital Fund.

(Corporation Resolution No. 497 of 15th November 1934).

| | *Dr.* | | *Cr.* |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Balance on 1st April 1952 ... | | | 15,66,576 8 9 |
| Donations received during the year ... | | | 1,38,874 8 0 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | | |
| Amount advanced for financing Capital Expenditure ... | 10,18,323 1 0 | | |
| Amount held in securities and cash ... | 6,87,127 15 9 | 17,05,451 0 9 | |
| Total ... | | 17,05,451 0 9 | 17,05,451 0 9 |

### Slum Service Fund.

(Corporation Resolution No. 930 of 27th February 1936).

| | *Dr.* | | *Cr.* |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Balance on 1st April 1952 ... | | | 2,16,178 14 3 |
| Interest realized during the year ... | | | 7,017 0 0 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | | |
| Amount advanced for financing Capital Expenditure | 70,253 2 0 | | |
| Amount held in securities and cash ... | 1,52,942 12 3 | 2,23,195 14 3 | |
| Total ... | | 2,23,195 14 3 | 2,23,195 14 3 |

### K.E.M. Hospital and G.S.M. College Equipment Fund.

(Corporation Resolution No. 650 of 3rd December 1935).

| | *Dr.* | | *Cr.* |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Balance on 1st April 1952 ... | | | 1,96,959 5 0 |
| Contribution from Revenue for the year ... | | | 15,688 3 3 |
| Expenditure during the year ... | 216 9 0 | | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | | |
| Amount advanced for financing Capital Expenditure ... | 1,17,069 3 6 | | |
| Amount held in Securities and cash ... | 95,361 11 9 | 2,12,430 15 3 | |
| Total ... | | 2,12,647 8 3 | 2,12,647 8 3 |

### G.S.M. College and K.E.M. Hospital Research Fund.

(Corporation Resolution No. 176 of 21st June 1937).

| | *Dr.* | | *Cr.* |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Balance on 1st April 1952 ... | | | 1,92,269 1 4 |
| Subsidy received from the C. P. Government during the year ... | | | 9,500 0 0 |
| Subsidy for reservation of Seats for the Indian Students from South & East Africa. ... | | | 9,256 0 0 |
| Received from Vanaspati Manufacturers' Association for carrying research in Vanaspati... | | | 1,000 0 0 |
| Interest realized during the year ... | | | 6,758 9 0 |
| Expenditure during the year ... | 11,882 11 6 | | |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | | |
| Amount advanced for financing Capital Expenditure ... | 56,781 15 0 | | |
| Amount held in securities and cash ... | 1,50,118 15 10 | 2,06,900 14 10 | |
| Total ... | | 2,18,783 10 4 | 2,18,783 10 4 |

### Precast Concrete Slab Pavements Renewal Fund.

(Corporation Resolution No. 612 of 23rd November 1936).

| | *Dr.* | | *Cr.* |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Balance on 1st April 1952 ... | | | 2,06,640 0 0 |
| Contribution from Revenue during the year | | | 39,789 0 0 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | | | |
| Amount advanced for financing Capital Expenditure ... | 93,594 4 0 | | |
| Amount held in securities and cash ... | 1,52,834 12 0 | 2,46,429 0 0 | |
| Total ... | | 2,46,429 0 0 | 2,46,429 0 0 |

### Fidelity Guarantee Insurance Fund.

(Corporation Resolution No. 1283 of 10th March 1941).

| | *Dr.* | *Cr.* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Balance on 1st April 1952 ... | | 68,932 12 6 |
| Net Recoveries during the year ... | | 12,684 8 0 |
| Interest realized during the year | | 2,280 13 0 |
| Balance on 31st March 1953 as per Balance Sheet, Appendix No. 5 ... | 83,898 1 6 | |
| Total ... | 83,898 1 6 | 83,898 1 6 |

### Victoria and Albert Museum Fund,

(Corporation Resolution No, 542 of 21st July 1949)

| | *Dr,* | *Cr,* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Balance on 1st April 1952 ... | | 19,421 6 0 |
| Net recoveries during the year ... | | 9,344 2 0 |
| Interest realized during the year ... | | 724 15 0 |
| Balance on 31st Mar h 1953 as per Balance Sheet, Appendix No. 5 ... | 29,490 7 0 | |
| Total ... | 29,490 7 0 | 29,490 7 0 |

### Welfare Fund.

(Constituted under Section 120A of the Bombay Municipal Corporation Act.)

| | *Dr.* | *Cr.* |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| Balance on 1st April 1952 ... | ... | 2,33,710 11 0 |
| Contribution during the year ... | ... | 1,26,136 0 0 |
| Interest during the year ... | ... | 9,337 12 0 |
| Expenditure during the year ... | 64,823 6 0 | ... |
| Amount held in securities Fixed Debosits and cash ... | 3,04,361 1 0 | ... |
| Total Rs.... | 3,69,184 7 0 | 3,69,184 7 0 |

# APPENDIX No. 6—(*Concluded.*)

## Statement of Special Funds 1952-53.

| Provident Fund. | | | | | |
|---|---|---|---|---|---|
| (Corporation Resolution No. 5598, dated the 7th September 1920) | | | | | |
| Balance on 1st April 1952 ... ... ... ... | 2,74,32,419 5 6 | | | | |
| *Add*—Transferred from Trust ... ... ... ... | 5,539 8 0 | | | | |
| Amount of Subscriber's Accounts— | | | | | |
| (1) Other than Trust and Education Committee's employees ... ... | | 2,74,37,958 13 6 | | | |
| (2) Trust employees ... ... ... ... | 26,86,198 14 10 | | 2,74,37,958 13 6 | | |
| *Deduct*—Transferred to Municipal ... ... ... | 5,539 8 0 | 26,80,659 6 10 | 26,80,659 6 10 | | |
| (3) Education Committee's Employees ... ... ... ... ... | | 1,23,83,260 10 0 | 1,23,83,260 10 0 | | |
| (4) Excess Interest, Profit on sale of Securities, etc. ... ... ... | | | 1,42,256 3 0 | | |
| Receipts on account of Subscriptions and contribution during 1952-53 in respect of employees other than Trust and Education Committee's Employees ... ... | | 47,01,711 12 0 | | | 4,26,44,135 1 4 |
| *Deduct*—Payments during the year ... ... ... ... ... | | 30,97,246 11 6 | 16,04,465 0 6 | | |
| Interest allowed on Provident Fund accounts of employees other than Trust and Education Committee's employees ... ... ... ... | | 10,16,460 3 0 | | | |
| *Deduct*—Payments during the year ... ... ... ... | | 15,521 6 0 | | | |
| Net closing balance transferred to Education fund ... ... ... ... | | | 10,00,938 13 0 | | 26,05,403 13 6 |
| Recoveries on account of Subscriptions and Contributions during 1952-53 in respect of Provident Fund Accounts of Trust Employees ... ... ... ... | | 4,08,184 5 0 | | | |
| *Deduct* —Payments during the year ... ... ... ... ... | | 3,61,355 9 0 | 46,828 12 0 | | |
| Interest allowed on Provident Fund Accounts of Trust employees ... ... | | 98,678 1 0 | | | |
| *Deduct*—Payments during the year ... ... ... ... ... | | 3,250 11 0 | 95,427 6 0 | | |
| Receipts on account of Subscriptions and Contributions during 1952-53, in respect of Provident Fund Accounts of Education Committee's Employees ... | | 13,29,074 0 0 | | | 1,42,256 2 0 |
| *Deduct*—Payments during the year ... ... ... ... ... | | 5,30,718 8 0 | 7,98,355 8 0 | | |
| Interest allowed on Provident Fund Accounts of Education Committee's Employees. | | 4,61,312 12 0 | | | |
| *Deduct*—Payments during the year ... ... ... ... ... | | 3,24,038 14 0 | 1,37,273 14 0 | | |
| Net Interest on Provident Fund Investments realized during the year ... | | | 14,94,085 12 10 | | 9,35,629 6 0 |
| *Deduct*—Interest allowed at 3¾ per cent. per annum on Provident Fund Accounts | | | | | |
| (1) Employees other than Trust and Education Committee's Employees ... ... | | 10,16,460 3 0 | | | |
| (2) Trust Employees ... ... ... ... ... | | 98,678 1 0 | | | |
| (3) Educations Committee's Employees... ... ... ... ... | | 4,61,312 12 0 | 15,76,451 0 0 | | *Dr.* 82,365 3 2 |
| Profit on account of conversion of Securities ... ... | | | | | 1,36,434 8 0 |
| Balance on 31st March 1953 as per Balance Sheet Appendix No. 5 ... ... | | | | 4,63,81,493 11 8 | |
| | | | | 4,63,81,493 11 8 | 4,63,81,493 11 8 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# APPENDIX No. 7.

## *Capital Fund Balance Sheet as at 31st March 1953.*

| LIABILITIES. | | Rs. | ASSETS. | | | Rs. |
|---|---|---|---|---|---|---|
| **Loans Outstanding:—** | | | **Block Account:—** | | | |
| **Due to Government** (*Vide* details as shown in Appendix No. (II)) | 81,55,264 3 0 | | **Loan Funds—** | | | |
| **Due to Public—** (*Vide* details as shown in Appendix No. (II)) | 18,24,11,000 0 0 | | Property and Assets at original cost as per Appendix No. 8. | Rs. 38,93,78,406 11 5 | | |
| **Advances from Special Funds—** (*Vide* details as shown in Appendix No. (II)) | 1,03,16,939 6 4 | | *Deduct*—Subventions granted for the conversion of privies into water closets, shown below | 18,33,943 4 0 | | |
| | 20,08,83,203 9 4 | | | 38,75,44,463 7 5 | | |
| **Trust Fund Account—** | | | *Add*—Subventions granted for the conversion of privies into water-closets Rs. 22,97,055 0 0 | | | |
| Donation from Sir Currimbhoy Ebrahim for the construction of a Primary School Building— | | | | | | |
| Balance on 1st April 1952 ... Rs. 66,727 6 4 | | | | | | |
| Interest ... Rs. 2,048 8 0 | | 68,775 14 4 | *Deduct*—Expenditure written off Rs. 4,63,111 12 0 | Rs. 18,33,943 4 0 | | 38,93,78,406 11 5 |
| Donation from Mr. D. M. Bahadurji. Rs. 3 11 0 | | | | | | |
| Donation from Sheth Shantilal M. Parikh for the establishment of a Blood Bank ... Rs. 16,086 7 0 | | | **Trust Fund—** | | | |
| Donation from The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the construction of Orchard House at Victoria Garden ... Rs. 1,694 8 0 | | | Expenditure as per Appendix No. 8 ... ... | | | 52,43,563 12 1 |
| Donation from The Chairman of Trustees of the Lotus Trust for the construction of electric crematorium at Chandanwadi Rs. 71 10 0 | | | **Worn-out Water Mains Renewal Fund—** | | | |
| Donation from Reserve Bank of India for construction a ward 38/40 beds for accommodating their Sick employees in K. E. M. Hospital ... Rs. 62,975 4 0 | | 80,831 8 0 | Expenditure as per Appendix No. 8 ... ... | | | 9,64,525 14 6 |
| | | 1,49,607 6 4 | **Municipal Land and Buildings Fund—** | | | |
| | | | Land purchased and Buildings erected as per Appendix No. 8 | | | 43,03,043 6 8 |
| | | | Temporary advance to Development Fund ... ... | | | 31,77,390 6 0 |
| | | | **Investments—** | | | |
| Advance from surplus Cash Balance for financing the expenditure on capital Works pending raising of the Loan ... ... | | 45,64,287 1 6 | **Sinking Fund—** | | | |
| | | | As per Appendix No. 10 ... ... ... | | | (a)4,52,15,739 4 9 |
| **Surplus—** | | | **Loan and Trust Funds—** | | | |
| CAPITAL ASSETS AT ORIGINAL COST OVER LIABILITIES:— | | | Amount reserved for capital stores— | Face Value Rs. | Rate Book Value Rs. | 64,74,309 12 8 |
| Sinking Fund on Loans ... ... ... | 4,52,15,739 4 9 | | 3% Conversion Loan 1946 ... | 1,47,800 | 101% 1,49,278 0 0 | |
| Loans Redemption Fund ... ... ... | 17,72,40,027 11 3 | | | 1,47,800 | 1,49,278 0 0 | |
| Premia on Loans ... ... ... ... | 3,20,848 11 11 | | In Cash | | 329 6 4 | * 1,49,607 6 4 |
| Contributions from Special Funds ... ... | 8,03,171 0 3 | | | | | |
| Do. Revenue for Loan Works Establishment | 17,869 15 8 | | | | | |
| Do. G. I. P. Railway ... ... | 3,74,000 0 0 | | | | | |
| Do. Port Trust ... ... | 1,56,500 0 0 | | | | | |
| Do. Government for Schools... ... | 5,00,000 0 0 | | | | | |
| Do. Government for widening the Love Grove Bridge ... ... | 91,234 0 0 | | | | | |
| Do. Worn-out Water Mains Renewal Fund | 9,64,525 14 6 | | | | | |
| Do. Land and Buildings Fund ... | 74,80,433 12 8 | | | | | |
| Do. Development Fund ... ... | 1,34,32,075 7 8 | | | | | |
| Do. Revenue towards Bai Jerbai Wadia Hospital for Children ... | 7,00,000 0 0 | | | | | |
| Do. Trust Fund ... ... ... | 52,43,563 12 1 | | | | | |
| Do. Trustees Gokuldas Tejpal Charities | 18,123 10 3 | | | | | |
| Grant in aid from Government for widening the road in Colaba division | 12,975 14 0 | | | | | |
| | 25,25,71,089 3 0 | | | | | |
| *Deduct*— Assets written off— | | | | | | |
| Amount as on 31st March 1952 Rs. 22,94,209 5 9 | | | | | | |
| Additions during the year ... ,, 9,67,391 4 0 | 32,61,600 9 9 | | | | | |
| | 24,93,09,488 9 3 | | | | | |
| Grand Total ... | 45,49,06,586 10 5 | | | | | 45,49,06,586 10 5 |

(*a*) For Face, Purchase and Market Values of Securities held in the Sinking Funds, please see Appendix No. 16-A.
* This amount represents Balance on account of Trust Funds.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 8.

### SUMMARY

| | Total Capital Expenditure upto 31st March 1952. | Expenditure During 1952-53. | | Total expenditure. | Capital Expenditure upto 31st March 1953. |
|---|---|---|---|---|---|
| | | Out of Surplus Cash balance. | Out of Loan Funds. | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| **(1) Loan Funds** | | | | | |
| I.—General upervision, Collection of Revenue, etc. ... | 25,64,680 | ... | 19,291 | 19,291 | 25,83,971 |
| II.—Water Works ... | 16,10,37,845 | 45,61,424 | 2,26,48,637 | 2,72,10,061 | 18,82,47,906 |
| III.—Education, Primary ... | 27,98,012 | ... | ... | ... | 27,98,012 |
| IV.—Education, Secondary ... | 20,704 | ... | ... | ... | 20,704 |
| V.—Public Health Department ... | 26,09,206 | ... | 10,37,027 | 10,37,027 | 36,46,233 |
| VI.—Medical Relief and Education. | 98,49,417 | ... | 2,42,544 | 2,42,544 | 1,00,91,961 |
| VII.—Street, Cleansing and Conservancy Road Watering and Halalkhore Service ... | 2,10,31,631 | ... | 20,22,232 | 20,22,232 | 2,30,53,863 |
| VIII.—Roads, Drains and Sewers ... | 8,50,72,530 | ... | 12,36,232 | 12,36,232 | 8,63,08,762 |
| IX.—Mechanical ... | 34,59,230 | ... | 37,041 | 37,041 | 34,96,271 |
| X.—Buildings, Land Acquisition and Management ... | 4,34,35,116 | ... | 2,05,713 | 2,05,713 | 4,36,40,829 |
| XI.—Fire Brigade ... | 13,81,292 | ... | 2,26,809 | 2,26,809 | 16,08,101 |
| XIII.—Gardens and Open Spaces ... | 36,99,537 | ... | 27,555 | 27,555 | 37,27,092 |
| XIV.—Markets and Slaughter Houses | 91,23,138 | ... | 52,354 | 52,354 | 91,75,492 |
| XV.—Slum Service ... | 8,52,074 | ... | 1,60,800 | 1,60,800 | 10,12,874 |
| XVI.—Measures for Civil Defence... | 1,86,639 | ... | 166 | 166 | 1,86,805 |
| XVII.—Greater Bombay ... | 2,26,809 | 2,863 | Cr.10,337 | Cr. 7,474 | 2,19,335 |
| Discount and other charges on Loans | 25,40,263 | ... | 11,03,858 | 11,03,858 | 36,44,121 |
| Plant and Machinery ... | 42,85,688 | ... | 16,30,386 | 16,30,386 | 59,16,074 |
| **(1) Loan Funds—Total.** | 35,41,73,811 | 45,64,287 | 3,06,40,308 | 3,52,04,595 | 38,93,78,406 |
| **(2) Trust Fund** | | | | | |
| Works executed ... | 49,58,488 | ... | 2,85,076 | 2,85,076 | 52,43,564 |
| **(3) Worn out Water Mains Renewal Fund** | | | | | |
| Works executed ... | 9,64,526 | ... | ... | ... | 9,64,526 |
| **(4) Land and Buildings Fund** | | | | | |
| Lands purchased and buildings erected ... | 43,03,044 | ... | ... | ... | 43,03,044 |
| Grand Total. | 36,43,99,869 | 45,64,287 | 3,09,25,384 | 3,54,89,671 | 39,98,89,540 |

# APPENDIX—No. 8

*Block Account showing details of Capital Expenditure upto 31st March 1953.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| I.—GENERAL SUPERVISION, COLLECTION OF REVENUE, ETC. | | | |
| Works completed (as per Report for 1951-52) ... ... | 20,85,164 | ... | 20,85,164 |
| Works in progress— | | | |
| Construction of a timber shed in the Central Stores at DeLisle Road ... ... ... ... ... | 18,135 | 24 | 18,159 |
| Conversion of crusher Godown Building at Carnac Bridge for accommodating Municipal Printing Press ... | 4,61,381 | 19,267 | 4,80,648 |
| Total Works in progress ... | 4,79,516 | 19,291 | 4,98,807 |
| I.—General Supervision, etc., Total ... | 25,64,680 | 19,291 | 25,83,971 |

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | | Total expenditure. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|---|---|
| | | Out of surplus cash balance. | Out of Loan Funds. | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| II.—WATER WORKS, ORDINARY. | | | | | |
| Works completed (as per Report for 1951-52) ... ... | 5,28,93,125 | | ... | | 5,28,93,125 |
| II.—Water Works completed Works Total ... | 5,28,93,125 | ... | ... | ... | 5,28,93,125 |
| Works in progress— | | | | | |
| Providing new water mains in Mahim District ... | 1,92,531 | ... | Cr. 21 | Cr. 21 | 1,92,510 |
| Providing additional inlets and outlets at Malabar Hill Reservoir ... ... ... ... ... | 4,93,675 | ... | ... | ... | 4,93,675 |
| Providing additional hydrants on 24" Tulsi main from Mori Road to Haines Road ... ... ... ... | 22,241 | ... | ... | ... | 22,241 |
| Laying 9" main in the extension of Worli Sea Face Road and 50' road parallel to it, Worli Scheme No. 58 ... | 23,400 | ... | ... | ... | 23,400 |
| Repairing and extending the Trolley Track in various syphons of the duct line outside Bombay ... ... | 1,17,981 | 5 | 107 | 112 | 1,18,093 |
| Treating further portion of the 57" Steel mains in Sleater Road from Nana's Chowk to Falkland Road with reinforced gunite ... ... ... ... ... | 3,80,383 | 683 | 13,661 | 14,344 | 3,94,727 |
| Constructing 1¼ million gallons capacity reinforced gunite elevated tank at Bhandarwada ... ... ... | 1,85,177 | ... | 1 | 1 | 1,85,178 |
| Enlarging the 4" water mains in Narayan Dhuru Street, B Ward to 9" ... ... ... ... | 27,738 | ... | ... | ... | 27,738 |
| Enlarging the existing 6" main in Girgaum Road to 12" from Thakurdwar to Charni Road, (D Ward) ... ... | 57,012 | ... | ... | ... | 57,012 |
| Laying a 6" main in Mazgaon Road (B Ward) ... ... | 13,835 | ... | ... | ... | 13,835 |
| Diverting and regrading the existing Tulsi Trolley Track ... | 3,58,883 | 350 | 5,148 | 5,498 | 3,64,381 |
| Housing accommodation for emergency gangs for the labour staff in the outside City Division ... ... | 1,89,897 | 6,509 | 44,154 | 50,663 | 2,39,560 |
| Providing 9" main in New Wadi from Zaoba's Oart to connect with the 9" main in Dadyshet Street (C Ward) ... | 15,430 | ... | ... | ... | 15,430 |
| Enlarging the existing 6" main in Pochkhanawalla Road (East) and West) to 15" and 12" (G Ward) ... ... | 1,06,834 | ... | ... | ... | 1,06,834 |
| Laying a 9" main North East footpath of Haines Road (G Ward) | 59,470 | 29 | ... | 29 | 59,499 |
| Laying water mains in Dhobi Wadi Mahalaxmi, Clerk Road. | 39,371 | ... | ... | ... | 39,371 |
| Enlarging the existing 6" main in the Southern footpath of Love Lane to 12" between Parel Road and Mount Road (E Ward). | 71,494 | ... | ... | ... | 71,494 |
| Enlarging 6" water main to 12" in Suparibaug Road East (F Ward) ... ... ... | 1,27,403 | 331 | 113 | 444 | 1,27,847 |
| Providing a 6" main in New Tank Bunder Road (E Ward) ... | 15,032 | 27 | 539 | 566 | 15,598 |
| Improving the water supply in localities in B Ward—laying water mains in Musjid Bunder Road Sandhurst Road, etc. | 1,50,414 | 3,618 | 40,395 | 44,013 | 1,94,427 |
| Enlarging and extending 6"> 4" mains in Queen's Road and New Queen's Road ... ... ... ... | 53,385 | 8 | 34 | 42 | 53,427 |
| Providing concrete blocks under steel mains outside City at places where they are badly corroded ... ... | 4,83,423 | 12,354 | 2,02,647 | 2,15,001 | 6,98,424 |
| Providing hydrants in roads where there are no hydrants or where additional hydrants are necessary ... ... | 27,976 | 2,390 | 7,677 | 10,067 | 38,043 |
| Enlarging the 5" and 3" water main in Lamington Road, enlarging the 3" mains in Topiwala Lane and Tara Temple Lane ... ... ... ... ... | 37,283 | ... | ... | ... | 37,283 |
| II.—Water Works—Works in Progress—Carried over ... | 32,49,268 | 26,304 | 3,14,455 | 3,40,759 | 35,90,027 |
| II.—Water Works—Works completed—Carried over ... | 5,28,93,125 | ... | ... | ... | 5,28,93,125 |

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | | Total expenditure. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|---|---|
| | | Out of surplus cash balance. | Out of Loan Funds. | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| II—Water Works—Works Completed Brought over ... | 5,28,93,125 | | | | 5,28,93,125 |
| II—Water Works—Works in Progress—Brought forward | 32,49,268 | 26,304 | 3,14,455 | 3,40,759 | 35,90,027 |
| Measures for preventing frequent bursts on trunk mains inside the City ... ... ... ... ... | 86,519 | 603 | 12,066 | 12,669 | 99,188 |
| Improving the water supply in Stable Street Kamathipura, E Ward ... ... ... ... ... | 10,983 | 6 | ... | 6 | 10,989 |
| Guniting the two 57" steel mains in Tulsi Pipe Line Road between Nardulla Tank Road and Elphinstone Road ... | 72,493 | ... | ... | ... | 72,493 |
| Providing 6" main in Magdala Road (A Ward) ... | 9,524 | ... | ... | ... | 9,524 |
| Additional 24" outlet at Bhandarwada Hill Reservoir from Reservoir No. III to 48" Babula Tank outlet (B Ward) ... | 20,991 | ... | ... | ... | 20,991 |
| Laying a 6" water main in Victoria Road (South Foot-path) E Ward ... | 37,244 | 77 | 1,528 | 1,605 | 38,849 |
| Providing a 6" water main in Joshi Wadi, C Ward ... | 6,078 | ... | ... | ... | 6,078 |
| Providing an additional 9" water main in Woode House Road from Colaba Road to Cuff Parade Junction—Fore-shore Road, (A Ward) ... | 65,823 | ... | ... | ... | 65,823 |
| Providing a 6" water main the Northern and Southern foot-paths King Edward Road between Parel Tank Road and Tokersi Jivraj Road, (F Ward) ... | 21,696 | ... | ... | ... | 21,696 |
| Providing venturi meters on Trunk outlets and inlets and Distributory mains in the various parts of the City ... | 1,31,658 | 1,349 | 21,130 | 22,479 | 1,54,137 |
| Additional floor over Chawkidar's quarters at G Ward at Delisle Road ... | 7,345 | ... | ... | ... | 7,345 |
| Enlarging and extending 4" water main in Souter Street (E Ward). | 46,769 | 4 | 73 | 77 | 46,846 |
| Providing water main in Falkland Road 9" Cross Lane and enlarging and extending the 4" main in Falkland Road 6th Cross Lane ... | 15,265 | ... | ... | ... | 15,265 |
| Enlarging the 5" main in Falkland Road Low level to meet 9" main in Sleater Road ... | Cr. 147 | ... | ... | ... | Cr.147 |
| Providing auxilary Sluice Valves on daily operated cross connections Valves, etc. ... | 40,380 | 28 | ... | 28 | 40,408 |
| Repairing leaks along the Tansa Duct Line ... | 15,48,508 | 46 | 3,641 | 3,687 | 15,52,195 |
| Enlarging the existing 4" main in Pitamber wadi to 9" (G Ward). | 36,527 | 3,827 | 159 | 3,981 | 40,508 |
| Providing 24" corss connections between inlets and outlet mains of Malabar Hill Reservoir at Harvey Road ... | 67,594 | 13,512 | Cr. 718 | 12,794 | 80,388 |
| Providing by-pass arrangements on large sized sluice valves on important water mains at the various parts of the City ... | 5,284 | ... | ... | ... | 5,284 |
| Providing cross connections and sluice valves for adequate Fire Service ... | 25,066 | 5 | 100 | 105 | 25,171 |
| Laying water main in Sion-Matunga Scheme No. 6 ... | 1,11,307 | 19,889 | 19,934 | 39,823 | 1,51,130 |
| Providing a 6" main in Spence Road Taj Lane off Victoria Garden Road ... | 12,359 | ... | ... | ... | 12,359 |
| Removing the dead end of 5" main in Koliwada by conecting it to 5" main in Khattar Ali 2nd Lane ... ... ... | 2,485 | 1,683 | 121 | 1,804 | 4,289 |
| Providing a 9" water main in Yadavji Patil Road and Palkhiwadi (G Ward) ... ... ... ... ... | 31,390 | 7,453 | 1,290 | 8,743 | 40,133 |
| Laying 24"> 18" for 12" water meter from 48" Tansa main near Kol-wada Station for Antop Hill Wadala Area ... | 66,426 | 15,207 | 13,784 | 28,991 | 95,417 |
| Providing a 6" 6" C. I. main with 3" C. I. blanches from 9" main in Maulana Abdul Gaffarkhan Road up to dead end of the existing 6" main in Worli Koliwada (G Ward) ... ... | 30,287 | 11,214 | 4,617 | 15,831 | 46,118 |
| Construction of a retaining wall in Hanging Gardens at Malbar Hill Reservoir ... ... | 16,575 | 30 | 596 | 626 | 17,201 |
| Laying 6" main in Paper Mill Lane ... ... ... | 11,461 | 7 | 22 | 29 | 11,490 |
| Providing a 6">3">6" water main in Bhendi Gully off Harischandra Goregaonkar Road ... ... | 4,152 | 432 | ... | 432 | 4,584 |
| Laying a 6" water main in Cinema Road behind Metro Cinema | 16,658 | 2 | ... | 2 | 16,660 |
| Extension of Dispensary at Ghatkopar ... | 9,614 | 2,285 | 350 | 2,635 | 12,249 |
| Enlarging all the 3"-4" water main in A Ward to Suitable sizes | 47,161 | 11,859 | 7,977 | 19,836 | 66,997 |
| Providing 6" water main in Tawa Lane B Ward ... ... | 2,648 | 1,986 | 1,369 | 3,355 | 6,003 |
| Enlarging the existing 4" main in Elphinstone Road Bridge (Low Level North) to 9" and converting 5 N.P. Hydrants and 6" main in low level South into S.P. ones ... ... | 13,321 | 9,498 | 2,518 | 12,016 | 25,337 |
| Measures to present frequent bursts on the 24" Vehar Main at Kurla ... ... ... ... ... | 3,730 | ... | ... | ... | 3,730 |
| Protective measures to the trunk mains and the slopes on the Eastern Side of Malbar Hill ... ... | 56,531 | 233 | 4,662 | 4,895 | 61,426 |
| Enlarging the existing 5" water main in Huzaria Street ... | 28,477 | ... | ... | ... | 28,477 |
| constructing a cattle pound near the Tansa Lake ... ... | 101 | ... | ... | ... | 101 |
| Conversion gradually of an adequate number of underground hydrants out of the existing undergound hydrants into stand post hydrants to prevent pollution of the water supply in the city | 1,00,556 | ... | ... | ... | 1,00,556 |
| Providing water mains with hydrants etc., in the layout of Road 5 in Scheme No. 57 Sewri Wadala ... ... | 1,69,941 | 81 | 1,458 | 1,539 | 1,71,480 |
| Replacement of ventury meters on 48 old Tansa main, 32" and 24" Vehar main and 24" Tulsi main ... ... | 26,963 | 1,604 | 32,072 | 33,676 | 60,639 |
| Providing a 12" water main in Dada Kumbharwala Lane ... | 8,090 | 17,483 | 3,026 | 20,509 | 28,599 |
| Enlarging the existing 3" main in Wellington Street and extending it to Lohar Street Cross Lane ... ... ... | 8,384 | 5,521 | 4,296 | 9,817 | 18,201 |
| Protection of 57" Tansa Steel mains in the City ... ... | 5,062 | 17,670 | 2,58,520 | 2,76,190 | 2,81,252 |
| II—Water Works—Works in progress—Carried forward | 62,88,547 | 1,69,893 | 7,09,046 | 8,78,939 | 71,67,486 |
| II—Water Works—Carried forward ... | 5,28,93,125 | ... | ... | ... | 5,28,93,125 |

## APPENDIX—No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. Out of Surplus Cash Balance. | Out of Loan Funds. | Total Expenditure. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | | Rs. |
| II—Water Works—Carried forward ... | 5,28,93,125 | | | | 5,28,93,125 |
| II—Water Works—Works in Progress—Brought over ... | 62,88,547 | 1,69,893 | 7,09,046 | 8,78,939 | 71,67,486 |
| Guniting the remaining portion at Tansa Dam ... ... | 1,31,857 | 47,753 | 5,31,943 | 5,79,696 | 7,11,553 |
| Laying a 30" main from the 57" West main along Globe Mill Passage Road No. 5B, Worli Road upto junction of Cadell Road and Chowney Gully ... ... ... | 1,42,887 | 1,71,751 | 1,77,878 | 3,49,629 | 4,92,516 |
| Laying water mains in the roads of the proposed layont for the Worli Neighbourhood unit at work ... ... | 11,651 | 9,629 | 9,648 | 19,277 | 30,928 |
| Taking over Plot of land occupied by Ladies Gymkhana together with the structures standing thereon ... ... | 7,03,000 | ... | ... | ... | 7,03,000 |
| Enlarging the existing 6" main in Parel Tank Road to. 9" ... | 19,162 | 29,606 | 48,149 | 77,755 | 96,917 |
| Augmentation of cilys water Supply—Survey regarding Bhivpuri Scheme ... | 3,70,057 | ... | ... | ... | 3,70,057 |
| Renovating the 6 Units chawl at Babulla Tank ... ... | 635 | 1,270 | 2,825 | 4,095 | 4,730 |
| Providing storage tank with electric Pumping Unit for the meter testing shop at DeLisle Road ... ... | 4,134 | 813 | 13,363 | 14,176 | 18,310 |
| Enlarging the 3" water main at Khara Tank Street to 12" ... | 3,963 | 3,775 | 21,871 | 25,646 | 29,609 |
| Enlarging the existing 4" main in Mathew Road to 9" from French Bridge upto New Queen's Road ... ... ... | 2,936 | 6,466 | 27,436 | 33,902 | 36,838 |
| Enlarging the existing 6" water main in Khetwadi Back Road to 12" | 13,294 | 20,011 | 72,160 | 92,171 | 1,05,465 |
| Constructing a store room for meter spare parts and a carpentry section at the Water Works Maintainance Workshops at DeLisle Road ... ... ... ... | 5,362 | 1,271 | 23,976 | 25,247 | 30,609 |
| Laying 6" water main in Khetwadi 11th Lane ... ... | 4,980 | ... | ... | ... | 4,980 |
| Providing two additional outlets at level 360 T.H.D. in the Tansa Dam ... | 14,74,941 | 402 | 10,691 | 11,093 | 14,86,034 |
| Provtding summer houses at M.H.R. and B.H.R. Gardens ... | ... | 1,625 | 14,247 | 15,872 | 15,872 |
| Enlarging the existing 2" water main to 6" in Madhavpura Street (E Ward) ... | ... | 152 | 2,156 | 2,308 | 2,308 |
| Laying out a garden at the Bishop's Lodge site at Malabar Hill. | ... | 90 | 247 | 337 | 337 |
| Strengthening the electric cables at Bhandarwada Hill Reservoir Control Room ... | ... | 979 | 14,051 | 15,030 | 15,030 |
| Providing Park for visitors on hilltops adjoining Vehar Garden... | ... | 2,545 | 13,025 | 15,570 | 15,570 |
| Relinguishment by B. B. & Cj I. Railway Administration of certain lands south east at Bandra Station payment of compensation for ... | ... | ... | 27,246 | 27,246 | 27,246 |
| Extending and remodelling of a Store house at Ghatkopar ... | ... | 4,558 | 21,827 | 26,385 | 26,385 |
| Strengthening of Tansa Dam ... | ... | 68,621 | 3,06,537 | 3,75,158 | 3,75,158 |
| Prvoiding a 6" water main in Mogul Lane (G Ward) ... | ... | 822 | 9,925 | 10,747 | 10,747 |
| Filling up with earth the Municipal land east of 48" old Tansa main at Ghatkopar ... | ... | 9 | 170 | 179 | 179 |
| Enlarging the existing 6" main in Khetwadi Main Road to 12" ... | ... | 181 | 3,200 | 3,381 | 3,381 |
| Laying a 9" main in Ripon Road from Bellasis Road to Morland Road ... | ... | 1,411 | 26,910 | 28,321 | 28,321 |
| Elnaging the 6" water main in western footpaths of Clare Road and extending it to join the 36" main ... | ... | 1,014 | 13,249 | 14,263 | 14,263 |
| Total ... | 91,77,406 | 5,44,647 | 21,01,776 | 26,46,423 | 1,18,23,829 |
| **Augmentation of the City's Water Supply—Vaitarna-*cum*-Tansa Scheme—** | | | | | |
| I.—Survey ... | 93,591 | ... | ... | ... | 93,591 |
| II.—Preliminary Works ... | 20,85,296 | 1,555 | Cr.28,673 | Cr.27,318 | 20,57,978 |
| III.—Land Acquisition ... | 6,23,149 | 6,366 | 17,142 | 23,508 | 6,46,657 |
| IV—Dam and appertenant Works ... | 1,11,18,234 | 24,47,869 | 1,09,85,392 | 1,34,33,261 | 2,45,51,495 |
| V.—Tunnels and Appartenant Works ... | 1,10,40,101 | 4,30,217 | 29,11,979 | 33,42,196 | 1,43,82,296 |
| VI—(1) 96" diam. pipe line (from Tansa to Powai) ... | 1,43,46,506 | | | | |
| (2) 96" diam. pipe line (from Tunnel fan No. 6 to Tansa) ... | 13,90,686 | 2,29,159 | 28,31,110 | 30,60,269 | 1,87,97,461 |
| VII—Quarters, Store houses, Offices ... | 6,90,843 | 857 | 14,606 | 15,463 | 7,06,306 |
| VIII.—Miscellaneous ... | 27,96,607 | 13,402 | 1,83,572 | 1,96,974 | 29,93,581 |
| IX.—Supervision Charges ... | 25,69,476 | 40,821 | 7,18,084 | 7,58,905 | 33,28,381 |
| **Improving the distribution system in the City—Inlets to Service Reservoir (for M. H. R. and B. H. R.)—** | | | | | |
| (*a*) A 72" main between Nana's Chawk and M. H. R. with its cross connection ... | 6,54,806 | 16,731 | 1,58,668 | 1,75,399 | 8,30,205 |
| (*b*) A 48" main from Sion Sluice House to B. H. R. with its cross connections ... | 10,14,026 | ... | ... | ... | 10,14,026 |
| (*c*) 96" main from Powai to Mahim ... ... | 2,76294 | 7,46,751 | 17,74,391 | 25,21,142 | 27,97,436 |
| (*d*) Laying a 48" new outlet from M.H.R. for Serving Kalbadevi area with its distributories ... | 3,21,408 | 83,049 | 9,80,790 | 10,63,839 | 13,85,247 |
| (*e*) Laying a 48" new outlet from Malbar Hill Reservoir upto Flora Fountaintn sevre the Fort Area. ... | ... | ... | ... | ... | ... |
| Total works in progress ... | 5,81,98,429 | 45,61,424 | 2,26,48,637 | 2,72,10,061 | 8,54,08,490 |
| Grand Total ... | 11,10,91,554 | 45,61,424 | 2,26,48,637 | 2,72,10,061 | 13,83,01,615 |
| Tansa Triplication works completed (as per report 1948-49) ... | 4,99,46,291 | ... | ... | ... | 4,99,46,291 |
| II.—Water Works Total ... | 16,10,37,845 | 45,61,424 | 2,26,48,637 | 2,72,10,061 | 18,82,47,906 |

## APPENDIX No. 8.—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| **III.—EDUCATION—PRIMARY.** | | | |
| School Buildings— | | | |
| Works completed (as per Report for 1951-52) ... | ‡27,98,112 | ... | 27,98,112 |
| Works in progress :— | | | |
| Construction of an additional floor over the two sides wings and the rear central portion of the existing Municipal School Buildings opposite Municipal Central Stores ... | Cr. 100 | ... | Cr. 100 |
| III.—Education—Primary—Total ... | 27,98,012 | ... | 27,98,012 |
| **IV.—EDUCATION—SECONDARY.** | | | |
| Works in progress— | | | |
| Renewing the flooring of the two front corner rooms and painting the front portion including the two rooms in Victoria and Albert Museum ... | 20,704 | ... | 20,704 |
| IV.—Education-Secondary Total ... | 20,704 | ... | 20,704 |
| **V.—PUBLIC HEALTH.** | | | |
| Works completed (as per Report 1951-52) ... | 17,27,191 | ... | 17,27,191 |
| Works in Progress— | | | |
| Constructing of an underground S.W. Drain and providing C. C. Passage at Tank Bunder Cemetery ... | 30,006 | ... | 30,006 |
| Construction of a Swimming Pool at Shivaji Park ... | 8,50,597 | 2,76,448 | 11,27,045 |
| Extension of Hindu Cemetery No. 74 at Worli ... | 61 | 402 | 463 |
| Acquisition of land occupied by Milch Cattle Stabbes in the City of Bombay ... ... ... ... | 1,351 | 6,18,654 | 6,20,005 |
| Providing a cemetery for Sinhalese Buddhist at Sewri Scheme No. 57 ... | ... | 26,145 | 26,145 |
| Construction of a Building for an electrically operated crematorium at Chandanwadi ... | ... | 1,15,378 | 1,15,378 |
| Total—Works in Progress ... | 8,82,015 | 10,37,027 | 19,19,042 |
| **V.—Public Health—Total** ... | 26,09,206 | 10,37,027 | 36,46,233 |
| **VI.—MEDICAL RELIEF AND EDUCATION.** | | | |
| Works completed (as per Report for 1951-52) ... | 82,48,060 | ... | ‡82,48,060 |
| Works in progress— | | | |
| Extension of Nurses Quarters kitchen in the Nurses Quarters and fencing over the compound wall at Arthur Road Hospital ... | 48,014 | ... | 48,014 |
| Additions and alternations to V. D. Clinic Building at Bellasis Road ... | 44,687 | ... | 44,687 |
| Construction of an out-patient Department and a gangway to connect two of the Hospital Buildings at Bai Yamunabai L. Nair Hospital ... | 7,798 | ... | 7,798 |
| Provision of a Blood Bank at K. E. M. Hospital ... | 86,610 | 1,018 | 87,628 |
| Construction of a Badminton Court and one Canteen for the students of the G. S. Medical College ... | 60,226 | 100 | 60,326 |
| Construction of a Refringeration room at the Topiwala National Medical College to provide Clinical facilities to the students ... | 12,766 | 3,650 | 16,416 |
| The work of constructing two new buildings and carrying out additions and alterations on the existing building occupied by the Powells Laboratory, etc., at the Bai Yamunabai L. Nair Hospital— | | | |
| Constructing a building with ground and 4 upper floors on the open plot of land outside the compound of the Nair Hospital for the Dental College and clinic and for the quarters for the staff of the Nair Hospital ... | 3,57,863 | 53,799 | 4,11,662 |
| Constructing a building with ground and 4 upper floors on the site of the existing godown at the Nair Hospital for the accommodation of 100 beds and quarters for the staff on the 4th floor. | 2,85,890 | 47,602 | 3,33,492 |
| Converting the existing Ward into out-patient Department at the Nair Hospital ... | 31,724 | 8,509 | 40,233 |
| Converting the existing Casulty Department into dispensary at the Nair Hospital ... | 3,162 | ... | 3,162 |
| Reconstructing the existing female block of 40 beds at the Turner Sanatorium so as to increase the accomodation to 60 beds ... | 6,193 | 28,277 | 34,470 |
| Provision of wooden counters with gas and water fittings in the laboratory of the Physiological Pathology Dept. of Topiwala National Medical College ... ... ... | 178 | ... | 178 |
| Providing an overhead storage tank with a sluice pump at Belasis Road Maternity Home ... ... ... | 16,046 | 1,262 | 17,308 |
| Works at R. P. T. B. Hospital— | | | |
| (*i*) Construction of a drying shed ... ... | 14,011 | 2,247 | 16,258 |
| (*ii*) Additions and alterations to the existing moratary | ... | ... | ... |
| (*iii*) Additions and alterations to the exisntg R.M.O.'s Quarter ... ... ... ... | ... | ... | ... |
| (*iv*) Additions and alterations to the existting Nursery Quarters ... ... ... ... | 164 | ... | 164 |
| Total—Works in Progress Carried forward ... | 9,75,332 | 1,46,464 | 11,21,796 |
| Total VI.—Medical Relief Carried forward ... | 82,48,060 | ... | 82,48,060 |

‡ Inclusive of Government Share of contribution of Rs. 5 lakhs.

† Exclusive of Rs. 30,000 expended out of the donation from Sir Ibrahim Rahimtoola, Kt., for combined School and Dispensary at Sandhurst Road and of Rs. 27,268-8-0 expended out of the amount received from Governor's Hospital Fund which was credited to the work of construction of one new ward for small-pox unit at Arthur Road Hospital.

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| VI Medical—Carried forward ... | 82,48,060 | ... | 82,48,060 |
| Works in Progress—Carried forward ... | 9,75,332 | 1,46,464 | 11,21,796 |
| Purchase of equipment and additions and alterations to Indian military Hospital at Dharavi (Municipal Group of Hospitals at Sion)— * | | | |
| (*i*) Expenditure in connection with taking over the Indian Military Hospital at Dharavi ... | Cr. 1,22,982 | Cr. 42 | Cr. 1,23,024 |
| (*ii*) Addition and alteration to the existing structures at the Municipal Group of Hospitals at Sion ... | 1,59,825 | ... | 1,59,825 |
| (*iii*) Do. to the existing structures for housing Nurses and Sisters ... | 80,852 | ... | 80,852 |
| (*iv*) Converting one ward into quarters of M.S., A.M.O. and two Casualty Officers ... | 34,471 | ... | 34,471 |
| (*v*) Laying 9" pipe sewer ... | 7,339 | ... | 7,339 |
| (*vi*) Additions and alterations to the existing structures Nos. T/66, T/67, T/19, T/75, T/76 and waiting shed for patients at Muncipal Group of Hospitals at Sion ... | 1,37,968 | ... | 1,37,968 |
| (*vii*) Additions and alterations in the existing structures Nos. T/73, T/74 for converting them into Hospital Wards so as to accommodate additional 100 beds at M. G. H. at Sion ... | 39,464 | ... | 39,464 |
| (*viii*) Additions and alterations to the existing structure Nos. T/61, T/62, T/63, T/64 and T/69 to accomodate labour staff at M. G. H. Sion ... | 1,98,436 | ... | 1,98,436 |
| (*ix*) Additions and alterations to structures No. T/81 ... | 7,125 | ... | 7,125 |
| Construction of quarters for the Medical Superintendent at Arthur Road Hospital ... ... ... ... | 126 | ... | 126 |
| Purchase of furniture for N. H. Dental College ... ... | 6,431 | 58,455 | 64,886 |
| Purchase of equipment for N. H. Dental College... ... | 74,630 | 1,267 | 75,897 |
| Improvement in Water Supply at K. E. M. Hospital ... | 2,340 | 8,187 | 10,527 |
| Additions and alterations on the ground floor and addition of 1st floor to the X-Ray Therapy Department at the K. E. M. Hospital ... | ... | 28,213 | 28,213 |
| Total Works in Progress ... | 16,01,357 | 2,42,544 | 18,43,901 |
| Total VI Medical Relief ... | 98,49,417 | 2,42,544 | 1 00,91,961 |
| VII.—STREET CLEANSING CONSERVANCY ROAD WATERING AND HALALKHORE SERVICE | | | |
| Works completed (as per Report for 1951-52) | 71,05,124 | ... | 71,05,124 |
| Works in progress— | | | |
| Conversion of insanitary basket-privies into water-closets by subsiding House-owners ... | 17,21,711 | ..... | 17,21,711 |
| Providing Public conveniences at Ghorupdeo Road ... | 903 | ..... | 903 |
| Conversion of privies on basket system into water closets by Subsidising House Owners in the northern part of the City ... | 1,70,062 | Cr. 47,431 | 1,22,631 |
| Construction of Public conveniences in different parts of the City ... | 1,23,499 | 9,458 | 1,32,957 |
| Construction of incinerator for burning the Kutchra in the City ... | 15,780 | ..... | 15,780 |
| Construction of chawls at Chinchpokli for the Labour Staff of the Conservancy Branch of the Health Department ... | 4,26,296 | 1,062 | 4,27,358 |
| Providing water connection for the supply of water to the labourers of the unloading contractors at Chembur and for domestic purposes ... ... ... ... | 734 | 14,804 | 15,538 |
| Construction of Additional Sanitary Conveniences at the Mang Garudi Camp near the Matunga Labour Camp ... | 1,17,103 | 7,529 | 1,24,632 |
| Gunite treatment and repairs to Halalkhore Chawls No. 4 at Valpakhadi. ... | 39,621 | ..... | 39,621 |
| Renewing the old air and sealed sewage mains in the City ... | 1,63,875 | 1,15,152 | 2,79,027 |
| Constructing an additional Pumping Station at Love Grove ... | 15,85,261 | 84,586 | 16,69,847 |
| Providing a pumping station in place of Ejector Station at Chinchpokli ... ... ... ... | 1,35,172 | 4,776 | 1,39,948 |
| Acquisition of land to the south of Dadar Purification Work ... | 6,50,233 | 8,244 | 6,58,477 |
| Constructing an additional floor slab to the transformer house Love Grove Pumping Station ... ... ... | 16,065 | 35,482 | 51,547 |
| Works in connection with the scheme for the seweage at Wadala, Gowari Parts of Sewri Sion and Dharavi ... ... | 2,07,463 | 1,184 | 2,08,647 |
| Works in connection with the removal of the surcharged condition of the sewers in the City ... ... ... ... | ... | ..... | ..... |
| (*i*) 33" dia Pipe Sewer at Arthur Road to Delisle Road ... | 156 | 14,792 | 14,948 |
| (*ii*) Constructing a sump well and supply and erection of a Pumping Station ... ... ... ... | 83,075 | ..... | 83,075 |
| (*iii*) Construction of 42" and 49" high level gravitation sewer in Haines Road ... ... ... ... | 1,31,031 | ..... | 1,31,031 |
| (*iv*) Laying 36" C. I. Rising main ... ... | 92,017 | ..... | 92,017 |
| (*v*) Making connection from existing sewers and S. W. drains to the sump well ... ... ... ... | 12,322 | ..... | 12,322 |
| (*vi*) Gravitation sewer in Arthur Road ... ... | 1,43,683 | ..... | 1,43,683 |
| (*vii*) Ejectors at Frgusson and DeLisle Road ... ... | 4,35,442 | ..... | 4,35,442 |
| Laying 54" Hume Pipe Sewer from the junction of the proposed 35" sewer and 48" Hume Pipe sewer to the head manhole of 57" existing sewer along the new open channel ... | 36,907 | 710 | 37,617 |
| Works in Progress—Total Carried forward ... | 63,08,411 | 2,50,348 | 65,58,759 |
| VII.—Street Cleansing—Total Carried forward ... | 71,05,124 | ..... | 71,05,124 |

* Expenditure amounting to Rs. 1,10,000 is booked under Trust Fund and that amounting to Rs. 3,35,000 is temporarily met out of Net Premia Fund.

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| VII Shreet cleansing Total Carried forward ... | 71,05,124 | ..... | 71,05,124 |
| Works in Progress—Total Carried forward ... | 63,08,411 | 2,50,348 | 65,58,759 |
| (2) Doing away with the surcharged condition of sewers draining to Arthur Road Ejector ... | ... | ..... | |
| (*i*) 33" Sewer in Kalachowki Road ... ... | 1,07,741 | 63,752 | 1,71,493 |
| (3) Doing away with the surcharged condition of the sewers draining to the ejectors at Fergusson Road and DeLisle Road. | | | |
| Laying 36" Sewer in Fergusson Road ... ... | 11,796 | 8,991 | 20,787 |
| Laying 36" hume pipe sewer from T. P. Line Road to proposed 100' Road through R. C. Cemetery at Haines Road ... ... ... ... ... | 1,345 | 27,131 | 28,476 |
| 30" in T. P. Line ... ... ... ... | 69 | 199 | 268 |
| Construction of a pump House and Sump Well ... | 11,004 | ..... | 11,004 |
| Providing and installing Pumping Sets ... ... | 1,692 | ..... | 1,692 |
| Purchasing land for Pump House ... ... | 104 | 535 | 639 |
| Additional Works at Dadar Purification Works ... ... | 59,802 | ..... | 59,802 |
| Extension of Purification Plant at Dadar ... ... | 29,09,722 | 1,19,058 | 30,28,780 |
| Laying sewers in certain roads in the City where no sewers exist... | 93,815 | 51,141 | 1,44,956 |
| Sewerage Scheme of Dharavi ... ... ... | 18,25,206 | 3,06,816 | 21,32,022 |
| Cement concrete encasing to the girdes of the Final Settlement tanks at D. P. Works and guniting the Aeration Tanks at C.T.I. Tanks, etc. ... ... ... ... | 64,666 | 19,486 | 84,152 |
| Extension of a Pumping Station at Matunga and connecting the same to the existing ovoid sewer ... ... ... | 1,88,933 | ..... | 1,88,933 |
| Improveing the exsisting sewerage system in the City ... | 19,56,195 | 8,94,633 | 28,50,828 |
| Diverting the discharge from the 16" s.s. main at the Carrol Road Ejector to 2'—2 S. W. drain along Fitwala's Road ... ... | 8,924 | Cr. 154 | 8,770 |
| Acquisition of certain plots in connection with the extension of the Labour Camp at Chembur ... ... ... | 1,28,936 | 179 | 1,29,115 |
| Reconstructing and renovating the Municipal chawls at Colaba occupied by the Conservancy Staff of the P. H. D. ... | 116 | 1,44,458 | 1,44,574 |
| Reconstruction of the damaged sea wall of the biological Installation at Banganga together with staff quarters, etc. ... | 71,524 | ..... | 71,524 |
| Works to be carried on, by the side of the open drain from Matunga to Dharavi to pick up the sewage flowing into open drain 36" gravitation sewer along the open channel drain from 1,400, south of Lady Hardinge Road to the covered drain beyond Mahim Loop Lane... | 1,76,506 | 1,12,223 | 2,38,729 |
| Sewer connections to buildings in different parts of the City ... | ... | 21,938 | 21,938 |
| Construction of 244 additional tenements for conservacy staff of the Health Department at Bapty Road Yard ... | ... | 291 | 291 |
| Acquisition of land bearing C.S. No. 37 (Part) of Sion Division situated on the west side of Duncan Causeway (Sion) for a Municipal Pumping Station in connection with sewerage system for that area ... | ... | 70 | 70 |
| Diverting the discharge from the existing sealed sewage main of Wadala Pumping Station into a new sewer proposed to be laid in Katrak Road ... | ... | 1,137 | 1,137 |
| Works in Progress—Total ... | 1,39,26,507 | 20,22,232 | 1,59,48,739 |
| VII Shreet cleansing—Total ... | 2,10,316,31 | 20,22,232 | 2,30,53,863 |
| **VIII.—ROADS, DRAINS AND SEWERS** | | | |
| Roads and Overbridges— | | | |
| Roads— | | | |
| Works completed (as per Report for 1951-52) ... | 1,09,17,624 | ... | * 1,09,17,624 |
| Works in Progress— | | | |
| Remaking Roads in accordance with demands of heavy traffic... | 66,33,340 | | 66,33,340 |
| Permanent construction of existing Kutcha footpaths ... | 12,80,527 | 3,105 | 12,83,632 |
| Constructing a pucca retaining wall at the toe of Walkeshwar Road to support the Embankment ... | 94,810 | ... | 94,810 |
| Widening 1st Marine Street ... | 3,03,438 | 1 | 3,03,439 |
| Providing cement concrete carriageway along the 50' road between Tulsi Pipe Line Road and Bhawanishankar Road, including modification of S.W. drainage arrangements ... | 32,731 | ... | 32,731 |
| Permanent construction of narrow by-lanes in the City ... | 2,40,699 | 14,191 | 2,54,890 |
| Renewal of surfaces of roads for which no renewal fund exists. | 9,48,116 | 1,24,962 | 10,73,078 |
| Providing traffic amenities such as (*a*) Subways and over-bridges (*b*) Traffic Islands (*c*) Pedestrian crossings ... | 1,55,267 | 31,537 | 1,86,804 |
| Filling in certain low lying lands ... | 62,154 | ... | 62,154 |
| Widening the bottleneck at Dharavi Road near the Municipal Sluice House ... | 61,638 | ... | 61,638 |
| Construction of footpaths where no footpaths exist ... | 2,45,073 | 25,184 | 2,70,257 |
| Renewal of Surfaces of Roads taken over from Ex-Trust— Victoria Gardens Road, etc. ... | 3,22,816 | ... | 3,22,816 |
| Widening the existing Kalewadi Lane to 20' and extending it to meet Queen's Road just in front of Charni Road Railway Station ... | 39,669 | 36 | 39,705 |
| Construction of half-width carriage way with a katcha footpath on the east-side of Tulsi Pipe Line between Dadar Main Road and Dadar Purification Works ... | 73,831 | ... | 73,831 |
| Works in progress—Total Carried forward ... | 1,04,94,109 | 1,99,016 | 1,06,93,125 |
| Total Roads Carried forward ... | 1,09,17,624 | ... | 1,09,17,624 |

* Inclusive of Rs. 1,56,500 contributed by the Port Trust for Wadi Bunder Road.

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Total—Roads Brought forward ... | 1,09,17,624 | ... | 1,09,17,624 |
| Total—Works in progress Brought forward ... | 1,04,94,109 | 1,99,016 | 1,06,93,125 |
| Works in progress— | | | |
| Acquisition of properties in connection with the construction of new 72' Road connecting Girgaum Road to Charni Road ... | 4,13,191 | ... | 4,13,191 |
| Paving footpath at Mahim Causeway from Mori Road to the bridge ... | 40,646 | ... | 40,646 |
| Widening Chowpatty Sea Face between French Road and Harve Road ... ... ... ... | 73,870 | 2,781 | 76,651 |
| Construction of ½ width Tulsi Pipe Line Road from Dadar to Mahim ... | 1,70,278 | 1,727 | 1,72,005 |
| Widening Chowpatty Road ... | 2,76,037 | 563 | 2,76,600 |
| Paving footpath at Mahatma Gandhi Road from Dhobi Talao to Churchgate Street (Cement concrete pavement in situ) ... | 93,569 | 235 | 93,804 |
| Constructing Tejpal Road West of Gowalia Tank Maidan ... | 36,278 | ... | 36,278 |
| Widening the South Approach of Bandra Causeway ... ... | 20,029 | 3,086 | 23,115 |
| Total—Works in progress ... | 1,16,18,007 | 2,07,408 | 1,18,25,415 |
| Total Roads ... | 2,25,35,631 | 2,07,408 | 2,27,43,039 |
| OVERBRIDGES— | | | |
| Works completed (as per Report for 1951-52) ... | †54,36,316 | ... | 54,36,316 |
| Works in Progress— | | | |
| Construction of an overbridge across the Harbour Branch Line of G. I. P. Railway South of Kurla Station ... | | 6,300 | 6,300 |
| Overbridges—Total ... | 54,36,316 | 6,300 | 54,42,616 |
| STREET IMPROVEMENTS— | | | |
| Street Improvements in different places—Set-backs ... | 1,69,71,104 | 6,66,799 | 1,76,37,903 |
| Adding set-backs to roads ... | 5,02,846 | 75,504 | 5,78,350 |
| Special Street Improvements ... | **19,000 | ... | 19,000 |
| Street Improvements—Total ... | 1,74,92,950 | 7,42,303 | 1,82,35,253 |
| DRAINS AND SEWERS— | | | |
| Works completed (as per Reports for 1951-52) | 3,73,56,240 | ... | 3,73,56,240 |
| Drainage connections in different parts of the City ... | 7,47,639 | 36,200 | 7,83,839 |
| Construction of water gullies on various roads in the City ... | 46,701 | ... | 46,701 |
| Providing Relief drains, etc., for preventing the flooding at Vincent Road near Poibavdi ... | 95,652 | ... | 95,652 |
| Renewing or remodelling the old subsidiary S.W. drains in the City— | | | |
| (1) Providing S. W. drain with the manhole and W.E. in portion of Cannon Road and Murzban Road ... | 4,205 | ... | 4,205 |
| (2) Extension of S. W. drain along Cannon Road, Murzban and Bastian Road. | 2,746 | ... | 2,746 |
| (3) Providing 12" pipe drain with manholes and water gullies, etc. at T. Parashram Street between Sandurst Road and Durgadevi Road ... | 6,419 | ... | 6,419 |
| (4) Providing 12" Pipe drain with manhole and water gullies at Dhabu Street between Sandhurst Road and Grant Road ... | 14,864 | ... | 14,864 |
| (5) Providing 12" pipe drain with manhole in Packmodia Street between Guzar Street and Cooper 1st Street ... | 5,349 | ... | 5,349 |
| (6) S. W. Drain in Durgadevi Street ... | 22,475 | ... | 22,475 |
| (7) S. W. Drain in Hope Street ... | 12,760 | ... | 12,760 |
| (8) S. W. drains in Khoja Street ... | 8,886 | ... | 8,886 |
| (9) S. W. drains in Garibdas Street ... | 7,333 | ... | 7,333 |
| (10) S. W. drains in Samuel Street ... | 61,919 | ... | 61,919 |
| (11) S. W. Drains in old Bengalipura Street ... | 14,692 | ... | 14,692 |
| (12) S. W. Drains in Nakhuda Street ... | 10,405 | ... | 10,405 |
| (13) S. W. drains in Bhajipala Street ... | 14,970 | ... | 14,970 |
| (14) S. W. drains in Sarang Street ... | 11,117 | ... | 11,117 |
| (15) S. W. drains in Janjikar Street ... ... ... | 116 | 12,956 | 13,072 |
| (16) S. W. Drains in Tejpal Road ... ... ... | ... | 5,280 | 5,280 |
| Providing under ground S. W. Drains in lieu of the existing open side drains in the City (1) D'Lima Street; (2) Mathar-pakhadi; (3) Bhoiwada ... | 1,81,560 | 67,427 | 2,48,987 |
| Total works in progress Carried forward ... | 12,69,808 | 1,21,863 | 13,91,671 |
| Drains and Sewers Carried forward ... | 3,73,56,240 | ... | 3,73,56,240 |

† Inclusive of Rs. 91,234 received from Government on account of contribution from Provincial share of Petrol tax and widening the bridge at Love Grove Pumping Station.

** This was paid out of Road Improvement Fund

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| Drains & Sewers—Total ... | Rs. 3,73,56,240 | Rs. ,, | Rs. 3,73,56,240 |
| Total—Works in progress ... | 12,69,808 | 1,21,863 | 13,91,671 |
| Providing Storm Water Drains in certain roads in the City where no W. Drains exist ... | 1,87,758 | 27,415 | 2,15,173 |
| Additional floor over Chowkidar's quarters at (G Ward) Office at DeLisle Road ... | 7,346 | ... | 7,346 |
| Construction of a shed at Babulla Tank Drainage Yard for garaging various Machines ... ... ... ... | 17,442 | ... | 17,442 |
| Providing 12" dia. S.W drain in lieu of existing open water course off Fitwalla Road ... ... ... | 13,264 | 108 | 13,372 |
| Measures for relieving flooding in the City ... ... | 82,841 | 15,757 | 98,598 |
| Doing away with the open side drain on the east side of Warden Road ... | 19,643 | ... | 19,643 |
| Acquisition of land for shifting cemetaries at Hains Road in connection with the proposed Love Grove out fall work ... | 3,55,297 | 337 | 3,55,634 |
| Providing storm water outlets at Chowpatty foreshore ... | 1,23,891 | *Cr.* 1,027 | 1,22,864 |
| Improving the sewerage facilities in Warden Road, Nepean Sea Road and Banganga localities ... | 104 | ... | 104 |
| Laying S. W. Drains in Mahatma Gandhi Road ... | 266 | ... | 266 |
| Permanent Construction of Sleater Road between Grant Road and Falkland Road ... | 1,67,709 | 26,147 | 1,93,856 |
| Diversion of Storm Water drains passing across the Grant Road Railway Station ... ... ... | 97 | 7,154 | 7,251 |
| Providing carriage entrances in front of completed buildings | 5,816 | 6,076 | 11,892 |
| Permanent construction of Sleater Road between Grant Road Railway Station and Nana Chowk including drainag and lighting | 111 | 51,585 | 51,696 |
| S. W. drainage connections to the buildings in different parts of the City. | ... | 14,402 | 14,402 |
| Providing baths and washing places for the workers at Worli Crushers and Asphalt Plant ... | ... | 10,404 | 10,404 |
| Total—Works in progress ... | 22,51,393 | 2,80,221 | 25,31,614 |
| Drains & Sewers ... | 3,95,07,633 | 2,80,221 | 3,98,87,854 |
| VIII—Roads Drains & Sewers ... | 8,50,72,530 | 12,36,232 | 8,63,08,762* |
| **IX.—MECHANICAL** | | | |
| Works completed (as per Report for 1951-52.) ... | 30,97,534 | ... | 30,97,534 |
| Works in progress— | | | |
| Purchase of necessary Plant and Machinery to utilise surplus sludge gas available at the Sludge Digestion Plant to run the Municipal motor lorries .... | 1,44,514 | ... | 1,44,514 |
| Renewing 15" Sealed Sewage main of the DeLisle Rd. Ejector | 43,989 | ... | 43,989 |
| Providing additional transformer at Love Grove Pumping Station | 93,509 | ... | 93,509 |
| Purchasing and erecting of a modern types slow speed air compressor at Warden Road air compressor station ... | 407 | 23,264 | 23,671 |
| Installation of a Foundary at the Muniipal Work shop ... | 21,647 | 8,333 | 29,980 |
| Repairs and alterations to the stables at Arthur Road Tardeo for converting them into Garages ... ... ... | 44,807 | 5,444 | 50,251 |
| Providing office accommodation at D. P. Works ... | 9,968 | ... | 9,968 |
| Construction of a Central Garage for accommodating the Municipal Motor Vehicles at Worli ... ... | 2,855 | ... | 2,855 |
| Works in progress—Total ... | 3,61,696 | 37,041 | 3,98,737 |
| IX.—Mechanical—Total | 34,59,230 | 37,041 | 34,96,271 |
| **X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT** | | | |
| Completed Works Transferred from— | | | |
| XII.—Building Regulations and other measures for Public Safety—(As per Report for 1945-46) ... | 17,292 | ... | 17,292 |
| Works completed— | | | |
| Mahalaxmi Overbridge ... ... ... ... | 13,75,263 | ... | 13,75,263 |
| Colanji Hill Road (Part expenditure booked under VIII.—Roads etc.) ... | 7,66,975 | ... | 7,66,975 |
| Hornby Road to Ballard Pier Road ... | 1,93,18,431 | ... | 1,93,18,431 |
| Dalal Street ... | 4,01,322 | ... | 4,01,322 |
| Mahim Park ... | 61,73,895 | *Cr.* 28 | 61,73,867 |
| Plant and Machinery ... | 20,673 | ... | 20,673 |
| X—Building, etc.—Total—Carried forward ... | 2,80,73,851 | *Cr.* 28 | 2,80,73,823 |

* This includes Rs. 15,995-1 0 met out of premia an Loans.

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952 | Expenditure During 1952-53 | Total Capital Expenditure upto 31st March 1953 |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| X—Building etc.—Total—Brought forward ... | 2,80,73,851 | *Cr.* 28 | 2,80,73,823 |
| Mahim Development Schemes— | | | |
| Scheme I.—Construction of a proposed road from Lady Jamshedji Road to Mahim Station ... | 4,68,591 | ... | 4,68,591 |
| Scheme II.—Construction of two proposed roads and a park between Nardulla Tank and Dadar Kumbharwada ... | 7,82,105 | ... | 7,82,105 |
| Scheme III.—Extension of the new DeLisle Road northwards to Lady Jamshedji Road ... | 19,10,915 | ... | 19,10,915 |
| Scheme IV.—Widening and improving Lady Jamshedji Road | 34,49,872 | ... | 34,49,872 |
| Scheme V.—Road in continuation of Mahim Bazar Cross Road to Tulsi Pipe Line Road ... | 3,21,171 | ... | 3,21,171 |
| Scheme VI.—Proposed Road between Matunga and Dadar Station connecting Lady Jamshedji Road with Tulsi Pipe Line Road (Road Marked A, B) ... | 63,485 | ... | 63,485 |
| Scheme VII.—Roads to be constructed in the area south of proposed Road between Matunga and Dadar Station as per Scheme No. VI (Roads marked B C, C D and D E) ... | 5,54,285 | ... | 5,54,285 |
| Scheme VIII.—Roads to the south and north of E. D. Sassoon Dye Works ... | 2,76,670 | ... | 2,76,670 |
| Laying mains in Mahim Development Scheme ... | 96,707 | ... | 96,707 |
| Diversion of water mains affected by the Mahim Development Works ... | 3,149 | ... | 3,149 |
| Town planning Scheme for the area near Masjid Station devasted by the explosion—Preliminary expenses, cost of Survey and acquisition ... | 2,29,080 | 1,05,949 | 3,35,029 |
| Development of the Interior portion of the Northern part of the Island at Mahim ... | 1,94,398 | 99,792 | 2,94,190 |
| Mahim Development—Total ... | 83,50,428 | 2,05,741 | 85,56,169 |
| Interest on Capital ... | 70,10,837 | ... | 70,10,837 |
| X.—Buildings, Land Acquisition and Management Total... | 4,34,35,116 | 2,05,713 | 4,36,40,829 |
| XI.—FIRE BRIGADE | | | |
| Works completed (as per Report for 1951-52) ... | 13,56,156 | ... | 13,56,156 |
| Works in Progress— | | | |
| Construction of a part of the proposed Fire Brigade Station at Worli ... ... ... ... ... | 25,136 | 2,26,739 | 2,51,875 |
| Acquisition of land bearing C.S. No. 313/69 (Part), 124 and 3/67 (Part) of Colaba Division (Old Gun Factory Site) for New Fire Brigade Station and Municipal School for serving both Colaba and Marine Drive Areas ... | ... | 70 | 70 |
| XI.—Fire Brigade—Total ... | 13,81,292 | 2,26,809 | 16,08,101 |
| XIII.—GARDENS AND OPEN SPACES | | | |
| Works completed (as per Report for 1951-52) ... | 36,76,874 | ... | 36,76,874 |
| Reconstructing a portion of a compound wall of the old Maratha Hospital premises ... ... ... ... | 13,277 | 1,100 | 14,377 |
| Construction of an orchid house at Victoria Gardens ... | 9,386 | ... | 9,386 |
| Providing new W.I. ornamental gates at the main entrance of the Victoria Gardens ... | ... | 19,416 | 19,416 |
| Constructing a retaining wall for Plot 'C' for being maintained as a playground near Mafatlal Park at Bhulabhai Desai Road... | ... | 7,039 | 7,039 |
| XIII—Gardens—Total ... | 36,99,537 | 27,555 | 37,27,092 |
| XIV.—MARKETS AND SLAUGHTER HOUSES | | | |
| Works completed (as per Report for 1951-52) ... | 82,73,269 | ... | 82,73,269 |
| Works in progress— | | | |
| Constructing a building for a new and up to date Refrigerator plant at A. C. Market ... | 1,47,473 | 19,520 | 1,66,993 |
| Extension of fish section at Arthur Crawford Market ... | 6,30,452 | 30,783 | 6,61,235 |
| Construction of a temporary Market at Gopi Tank ... ... | 49,548 | 1,974 | 51,522 |
| Converting the existing 60 wooden Stalls in Vegetable Section in the Erskine Road Market ... | 22,399 | ... | 22,399 |
| Construction of a Combined Municipal Market at Worli Chawl | *Cr.* 3 | ... | *Cr.* 3 |
| Acquisition of land bearing C.S. No. 43 of Sion Division near Kings' Circle high level station for the construction of Municipal combined market at Matunga .. | ... | 77 | 77 |
| Works in progress Total ... | 8,49,869 | 52,354 | 9,02,223 |
| XIV.—Markets and slaughter Houses—Total ... | 91,23,138 | 52,354 | 91,75,492 |

## APPENDIX No. 8—*Contd.*

| | Total Capital Expenditure upto 13st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs |
| **XV.—SLUM SERVICE.** | | | |
| Works completed (as per Annual Report for 1951-52) ... | 3,72,012 | ... | 3,72,012 |
| Works in progress— | | | |
| Construction of Drains and filling in storm water channel from Fergusson Road to Haines Road ... | 2,86,336 | 2,443 | 2,88,779 |
| Realigning and regrading open storm water channel from Dadar Pumping Plant upto Century Mill ... | 1,93,726 | 1,58,357 | 3,52,083 |
| XV—Works in Progress—Total ... | 4,80,062 | 1,60,800 | 6,40,862 |
| XV.—Slum Service—Total ... | 8,52,074 | 1,60,800 | 10,12,874 |
| **XVI.—MEASURES FOR CIVIL DEFENCE.** | | | |
| Purchase of Stores Equipment ... | 1,86,639 | 166 | 1,86,805 |
| **XVII.—GREATER BOMBAY.** | | | |
| Preliminary expenses in connection with the preparation of the Master Plan for Greater Bombay (Municipal Share) ... | 2,26,809 | *Cr.* 7,474† | 2,19,335 |
| **DISCOUNT AND OTHER CHARGES ON THE LOANS** | | | |
| Discount and other charges on the loans (as per Report for 1947-48) | *5,87,246 | ... | 5,87,246 |
| do. Rs. 54 Lakhs of 1946-47 ... | 81,000 | ... | 81,000 |
| do. Rs. 75 do. 1947-48 ... | 1,97,884 | ... | 1,97,884 |
| do. Rs. 61 do. 1948-49 ... | 91,500 | ... | 91,500 |
| do. Rs. 125 do. 1949-50 ... | 2,99,185 | ... | 2,99,185 |
| do. Rs. 290 do. 1950-51 ... | 7,51,069 | ... | 7,51,069 |
| do. Rs. 268 do. 1951-52 ... | 5,32,379 | ... | 5,32,379 |
| do. Rs. 348 do. 1952-53 ... | ... | 11,03,858 | 11,03,858 |
| Discount and other charges—Total ... | 25,40,263 | 11,03,858 | 36,44,121 |
| **PLANT AND MACHINERY.** | | | |
| Completed Items— | | | |
| Plant and Machinery purchased (as per Report for 1951-52)... | 12,61,433 | ... | 12,61,433 |
| Completed Items Total ... | 12,61,433 | ... | 12,61,433 |

* Out of this, Sum of Rs. 11,004—15—0 was met out of Premia on Loans.

† A sum of Rs. 2,863-4-7 is met out of SCB as under :—Loan Funds *Cr.* Rs. 10,337
SCB 2,863
*Cr.* Rs. 7,474

# APPENDIX No. 8.

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| *Plant and Machinery to be purchased out of Net Premia Fund.* | | | |
| II.—WATER WORKS. | | | |
| Purchrse of two light trolleys for O.C. division ... ... | ... | 28,282 | 28,282 |
| Purchase of a light van or station wagon for fire service ... ... | ... | 12,115 | 12,115 |
| Providing a travelling crane for motor repair shop at DeLisle Road ... | ... | 105 | 105 |
| Purchase of one Kilo Watt lighting set for the Maintenance Branch ... | ... | 1,458 | 1,458 |
| Purchase of 15 H.P. Motor for Maintenance Workshop ... ... | ... | 1,455 | 1,455 |
| Replacement of lighting set at Tansa ... ... ... ... | ... | 14,310 | 14,310 |
| Replacing the Pump of portable chorinating unit and providing it on chasis ... | ... | 1,891 | 1,891 |
| Replacement of Theodolites ... ... ... ... ... | ... | 3,996 | 3,996 |
| Replacement of levelling instrument ... ... ... | ... | 1,633 | 1,633 |
| Replacement of 75 H.P. Booster Pumps (2 Nos.) at Bhandarwada Hill Reservoir | ... | 2,978 | 2,978 |
| Providing screen to inlet bay at Vehar and outlet well at Tansa ... ... | 47,973 | ... | 47,973 |
| Purchase of one jeep for the outside City Division ... ... ... | 12,171 | 169 | 12,340 |
| Purchase of one multi purpose machine for carpentry Section of Maintenance Branch ... ... ... ... ... ... | 7,180 | ... | 7,180 |
| Replacement of Prismatic Compasee ... ... ... ... | 340 | ... | 340 |
| Purchase of new meters ... ... ... ... ... | 31,068 | ... | 31,068 |
| Purchase of a motor trolley for the travelling dispensary ... ... | 14,815 | 9,401 | 24,216 |
| Purchase of 2,842 new meters for replecement of old ones ... ... | 1,97,965 | 1,50,840 | 3,48,805 |
| Purchase of new meters ... ... ... ... ... | 4,999 | 1,43,336 | 1,48,335 |
| Loco for Outside City ... ... ... ... ... | 26,911 | ... | 26,911 |
| Additional Chlorinating Plant within limits of the City ... ... | 54,687 | ... | 54,687 |
| Conversion of hand operated S.V. into electrically operated one at Bhandarwada Hill Reservoir one 30' on 36' New Tansa inlet to Reservoir No. III ... | 20,219 | 343 | 20,562 |
| V.—PUBLIC HEALTH DEPARTMENT. | | | |
| Purchase of a Chevrolet Pick up for the Insecticide Branch, Health Department. | 14,708 | ... | 14,708 |
| Purchase of a Mobile Propaganda Unit consisting of— | | | |
| (1) One light chasis and construction of the body ... ... | 17,000 | ... | 17,000 |
| (2) One Public Address System with battery ... ... ... | ... | 2,052 | 2,052 |
| (3) Portable 16 m.m. equipment with loud speaker and accessories ... | ... | 4,798 | 4,798 |
| (4) Dynamo, Generator and Electrical Fittings ... ... ... | ... | 2,784 | 2,784 |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| Extension of Mortuary Cabinet at the Arthur Road Hospital ... ... | 79 | 7,783 | 7,862 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of Equipment for improving the methods of collection and transport of refuse in the City ... ... ... ... ... | ... | 3,09,059 | 3,09,059 |
| VIII.—ROADS, DRAINS AND SEWERS. | | | |
| Purchase of a portable asphalt mixer-required in connection with the work of renewing Street Asphalt Surfaces of Roads ... ... ... | 30,287 | 193 | 30,477 |
| Heavy 3 Wheels Road Rollers (No. 5) ... ... ... ... ... | 2,02,069 | 1,139 | 2,03,208 |
| Purchase of 8 Road Rollers ... ... ... ... ... ... | 1,389 | ... | 1,389 |
| Purchase of Rollers ... ... ... ... ... ... | 250 | ... | 250 |
| Purchase of one Industrial Wheel tractor 4 of 25 drawbars H.P. ... | 87 | ... | 87 |
| Purchase of a pipe laying winch No. 2 ... ... ... ... | 1,131 | ... | 1,131 |
| Purchase of a standard vibrating hand screed completed with petrol, engine, pair of handles and wooden rollers ... ... ... ... ... | 1,655 | ... | 1,655 |
| Purchase of equipment for machinisation of drainage services ... ... | 60,439 | 36,186 | 96,625 |
| Supply and erection etc., of 80 B.H.P. motor at Worli ... ... ... | ... | 10,501 | 10,501 |
| Light Road Rollers (No. 8) ... ... ... ... ... | ... | 61,557 | 61,557 |
| Net Premia Fund Total ... | 7,47,422 | 8,08,361 | 15,55,783 |
| *Plant and Machinery to be purchased out of Municipal Fire and Accident Insurance Fund.* | | | |
| II.—WATER WORKS. | | | |
| Purchase of new meters ... ... ... ... ... | ... | 47,547 | 47,547 |
| Purchase of one enclosed van for Fire Service for the distribution Branch ... | ... | 12,115 | 12,115 |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| Providing an Ambulance for the use of Municipal General Hospital, Sion ... | 12,382 | ... | 12,382 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of 3 Chessis required for one hearse and two ambulances ... | 2,481 | ... | 2,481 |
| Purchase of one unit of Niagara Martine High pressure vehicle washer equipment | 4,146 | 256 | 4,402 |
| Purchase of spare motors for Sulze and Vichar Gill Pumps at Love Grove Pumping Station ... ... ... ... ... ... | 11,790 | 31,210 | 43,000 |
| Purchase of smell worthing ton Iron pump for the compressor at Colaba Air Compressor ... ... ... ... ... ... | 1,432 | ... | 1,432 |
| Purchase of current transformers ... ... ... ... | 4,950 | 4,587 | 9,537 |
| Supply and erection of two electrically driven verticle spindle pumps for Matunga Pumping Station ... ... ... ... | 132 | 52,936 | 53,068 |
| Construction of 50 steelwood composite wagons ... ... ... | ... | 27,543 | 27,543 |
| Installation of two additional pumping sets with necessary equipments at Mahim Pumping Station ... ... ... ... ... | ... | 36,127 | 36,127 |
| Supply and installation of four electrically driven pumping sets for the proposed pumping station at T. P. Line Road ... ... ... ... | ... | 91,180 | 91,180 |
| Purchase of Equipment for Improving the methods of collection and transport of refuse in the City ... ... ... ... ... | ... | 31,196 | 31,196 |

## Appendix 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| IX.—MECHANICAL. | | | |
| Purchase of one portable electric welding set for the use of Municipal Workshop ... | 1,361 | ... | 1,361 |
| XIV.—MARKETS AND SLAUGHTER HOUSES. | | | |
| Providing a new and upto date Refrigerator Plant at Arthur Crawford Market ... | 1,07,523 | 17,985 | 1,25,508 |
| Purchase of 2 vehicles for meat carriage ... ... ... ... | ... | 1 | 1 |
| Municipal Fire & Accident Insurance fund. Total ... | 1,46,197 | 3,52,683 | 4,98,880 |
| *K. E. M. Hospital Research Fund.* | | | |
| II.—WATER WORKS. | | | |
| Transformer Type Electric Welding, Set for Maintenance Workshop ... | 4,078 | ... | 4,078 |
| Purchase of welding transformer for Ghatkopar Workshop ... | 3,921 | ... | 3,921 |
| Purchase of two numbers of Jack hammers for outside City Division ... | 2,533 | ... | 2,533 |
| Purchase of combined Ammeter Voltmeter and Pohmmeter for Maintenance Branch ... ... ... ... ... ... | 534 | ... | 534 |
| Purchase of one Radial Drilling Machine for Workshop ... ... | 9,797 | ... | 9,797 |
| Purchase of an under water gas cutting torch with fittings ... ... | 2,516 | ... | 2,516 |
| Replacement of Pressure Recorders (No. 10) ... ... ... | 4,455 | ... | 4,455 |
| V.—PUBLIC HEALTH DEPARTMENT. | | | |
| Purchase of a new Van for fittings in a 35 M.M. sound equipment in replacement of the present Van ... ... ... ... ... | 21,414 | ... | 21,414 |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| Purchase of one ambulance for the K. E. M. Hospital ... ... ... | ... | 424 | 424 |
| K. E. M. Hospital Research Fund Total ... | 49,248 | 424 | 49,672 |
| *Precast Concrete Slab Pavement Renewal Fund.* | | | |
| I.—GENERAL SUPERVISION, ETC. | | | |
| Replacement of Municipal Commissioner's Car ... ... ... | ... | 17,392 | 17,392 |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| High speed electric centrifuge for serological work ... ... ... | ... | 536 | 536 |
| Purchase of pentestate for M.O.V.D. ... ... ... ... | ... | 1,237 | 1,237 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of machinery required for a repair workshop at D. P. Workshop ... | 16,928 | 350 | 17,278 |
| Purchase of the following Laboratory equipment at the D. P. Workshop— | | | |
| (A) Orsat Gas Appavatus improved and utilised with spence for mixture etc. | ... | 1,381 | 1,381 |
| (B) Pressure Vaccine Unit for suspended solids with spares ... | 1,552 | ... | 1,552 |
| (C) Electro-Photometer for all colorimetric Analysis Ammonia nitrates Iron etc. ... ... ... ... ... ... | 2,393 | ... | 2,393 |
| (D) High Class Water distilling still ... ... ... ... | 773 | ... | 773 |
| Purchase of two chain pulley blocks for L. G. P. Station ... ... | ... | 1,583 | 1,583 |
| IX.—MECHANICAL | | | |
| Purchase of two portable electric welding set in Municipal Workshop ... | 5,593 | ... | 5,593 |
| XII.—LICENSING, ETC. | | | |
| Purchase of one weighing machine in replacement of the existing one ... | 1,369 | ... | 1,369 |
| XIII.—GARDENS AND OPEN SPACES. | | | |
| Purchase of a motor truck for Garden Department ... ... | 14,975 | 3,718 | 18,693 |
| XIV.—MARKETS AND SLAUGHTER HOUSES. | | | |
| Purchase of two vehicles for meat carriage ... ... ... | ... | 307 | 307 |
| Precast Concrete slab Pavement Renewal Fund Total ... | 43,583 | 26,504 | 70,087 |
| *Slum Service Fund.* | | | |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of 2 vehicles for cesspool ... ... ... ... | ... | 7,638 | 7,638 |
| VIII.—ROADS, DRAINS AND SEWERS. | | | |
| Purchase of 3 O.K. Champion Sewer Cleaners ... ... ... | 33,663 | 2,134 | 35,797 |
| Purchase of 6 flexible sewer rods ... ... ... ... | 12,715 | 715 | 13,430 |

## Appendix 8—*Contd.*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 195 |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Purchase of concrete mixtures— | | | |
| (*a*) 10-5 c.ft. Capacity ... ... ... ... ... | 9,609 | ... | 9,609 |
| (*b*) 7-10 c.ft. Capacity ... ... ... ... ... | 8,544 | ... | 8,544 |
| Purchase of Two De-watering Pumps ... ... ... ... | ... | 5,904 | 5,904 |
| X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT. | | | |
| Purchase of one Lorry for Stall Boards | ... | 115 | 115 |
| Slum Service Fund Total ... | 64,531 | 16,506 | 81,037 |
| *Renewal of Road Surface Fund.* | | | |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of equipment for improving the methods of collection and transport of refuse in the City ... ... ... ... ... | 5,41,295 | 30,679<br>1,06,434 | 6,78,408 |
| Purchase of 5 steelwood composite wagons ... ... ... | 46,287 | ... | 46,287 |
| IX.—MECHANICAL. | | | |
| Purchase of 2 chain polley blocks by L and D Station ... ... | 736 | ... | 736 |
| Spare Centrifugal Pump for the overhead storage tank | ... | 1,263 | 1,263 |
| XI.—FIRE BRIGADE. | | | |
| Purchase of a new fire tender with extension ladder ... ... ... | ... | 20,752 | 20,752 |
| Purchase of one motor lorry with closed body ... ... ... | ... | 16,522 | 16,522 |
| Purchase of a motor lorry in replacement of old one ... ... ... | ... | 15,305 | 15,305 |
| Renewal of Road Surface Fund Total ... | 5,88,318 | 1,90,955 | 7,79,273 |
| *Hospital Fund.* | | | |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| Purchase of X-Ray apparatus for use at the K. E. M. Hospital ... ... | 94,529 | 36,391 | 1,30,920 |
| Purchase of one shortwave Diathermy machine ... ... ... | 3,949 | ... | 3,949 |
| Purchase of one verticle Reontgenoscope for B. Y. L. Nair Charitale Hospital. | ... | 8,615 | 8,615 |
| Equipment for Neuro-Surgical Unit at K. E. M. Hospital ... ... | ... | 838 | 838 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of equipment for improving the methods of collection and transport of refuse in the City ... ... ... ... ... | 8,49,945 | 3,25,300<br>41,645 | 12,16,890 |
| Hospital Fund Total ... | 9,48,423 | 4,12,789 | 13,61,212 |
| *K. E. M. Hospital Equipment Fund.* | | | |
| VI.—MEDICAL RELIEF AND EDUCATION. | | | |
| Purchase of one ambulance for the K. E. M. Hospital ... ... | ... | 15,000 | 15,000 |
| Purchase of one Electro cordiograph Machine for K. E. M. Hospital ... | 9,998 | ... | 9,998 |
| VII.—STREET CLEANSING AND CONERVANCY, ETC. | | | |
| Purchase of 2 vehicles for cesspool ... ... ... ... | ... | 484 | 484 |
| Purchase of one vehicle for offal ... ... ... ... | ... | 9,595 | 9,595 |
| MUNICIPAL PRINTING PRESS. | | | |
| Purchase of Delivery Van ... ... ... ... ... | 7,735 | ... | 7,735 |
| Purchase of— | | | |
| (*a*) 1 Cutting Machine ... ... ... ... ... | 10,519 | ... | 10,519 |
| (*b*) 1 Tradle Perforating Machine ... ... ... ... | 1,702 | ... | 1,702 |
| (*c*) 1 Automatic Cylinder Printing Machine ... ... ... | 27,328 | ... | 27,328 |
| (*d*) 1 Automatic Proof Press ... ... ... ... | 7,549 | ... | 7,549 |
| Purchase of high speed Centurian two revolution press ... ... | ... | 43,795 | 43,795 |
| K.E.M. Hospital Equipment Fund Total ... | 64,831 | 68,874 | 1,33,705 |
| *Depreciation Fund for replacement of Plant and Machinery.* | | | |
| I.—GENERAL SUPERVISION, ETC. | | | |
| Air Conditioning the western verandah of the M. C.'s Room, etc. ... .. | 13,556 | ... | 13,556 |
| II.—WATER WORKS. | | | |
| Providing level indicating and recording instrument at Tower Bungalow at Malbar Hill Reservoir ... ... ... ... ... | ... | 2,933 | 2,933 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of 12 Nos. Diesel Drain Chassis and 12 Nos. D. D. Units ... | 5,88,492 | ... | 5,88,492 |
| Purchase of Fergusson Trailor fitted with tank ... ... ... | ... | 4,436 | 4,436 |
| Purchase of two vehicles for cesspool ... ... ... ... | ... | 62,212 | 62,212 |
| Purchase of Equipment for improving the methods of collection and transport of refuse in the City ... ... ... ... ... | ... | 11,508 | 11,508 |
| XI.—FIRE BRIGADE. | | | |
| Replacement of one Motor Pump (Fire Engine and one Fire Escape) ... | 54,130 | ... | 54,130 |
| Replacement of one Motor Ambulance ... ... ... ... | 8,574 | ... | 8,574 |
| Depreciation Fund for Replacement of Plant and Machinery Total ... | 6,64,752 | 81,089 | 7,45,841 |

## Appendix 8—*Contd.*

| | Total Capital Expenditure up'o 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| *Plant and Machinery Depreciation Fund.* | Rs. | Rs. | Rs. |
| I.—GENERAL SUPERVISION, ETC. | | | |
| Purchase of Adrema Machine with necessary equipment for mechanising of Tax Bill, etc., for A and C Department ... ... ... ... | 71,507 | ... | 71,507 |
| Purchase of a car for His Worship the Mayor ... ... ... | 9,902 | ... | 9,902 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of 12 Nos. Diesel Driver Chassis and 12 Nos. D. D. Units ... | 5,81,111 | ... | 5,81,111 |
| Purchase of Equipment for improving the methods of collection and transport of refuse in the City ... ... ... ... ... | ... | 19,920<br>5,09,351 | 5,29,271 |
| VIII.—ROADS, DRAINS AND SEWERS. | | | |
| Purchase of road equipment ... ... ... ... ... | 3,98,721 | 13,269 | 4,11,990 |
| Purchase of pick-up trucks for drainaege work ... ... ... | 28,369 | ... | 28,369 |
| XI.—FIRE BRIGADE. | | | |
| Purchase of one Motor Car ... ... ... ... | 17,387 | ... | 17,387 |
| Purchase of one Motor Ambulance ... ... ... ... | 16,145 | ... | 16,145 |
| MUNICIPAL PRINTING PRESS. | | | |
| Purchase of Delivery Van ... ... ... ... ... | 9,061 | ... | 9,061 |
| Plant and Machinery Depreciation Fund Total ... | 11,32,203 | 5,42,540 | 16,74,743 |
| *Garden Fund.* | | | |
| I.—GENERAL SUPERVISION, ETC. | | | |
| Purchase of a car and two station wagons for the use of paymasters... ... | 37,829 | 118 | 37,947 |
| VII.—STREET CLEANSING AND CONSERVANCY, ETC. | | | |
| Purchase of one vehicle for offal ... ... ... ... | ... | 25,621 | 25,621 |
| IX—MACHANICAL. | | | |
| Purches of one time punching clock for keeping the time of attendance of workers in Municipal Worshops ... ... ... ... | 2,570 | ... | 2,570 |
| X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT. | | | |
| Purchase of one Lorry for Stall-boards ... ... ... ... | ... | 17,482 | 17,482 |
| Garden Fund Total ... | 40,399 | 43,221 | 83,620 |
| Total—Plant and Machinery, Works in progress ... | 44,89,907 | 25,43,946 | 70,33,853 |
| Total—Plant and Machinery ... | 57,51 340 | 25,43,946 | 82,95,286 |
| Assets written off ... | Cr. 14,65.652 | Cr. 9,13,560 | Cr. 23,79,212 |
| Plant and Machinery—Total ... | 42,85,688 | 16,30,386 | 59,16,074 |
| *Trust Fund.* | | | |
| Works completed (as per Report for 1950-51) ... ... ... | 44,18,338 | ... | 44,18,338 |
| Works in progress— | | | |
| Purchase of equipment instruments, etc., for the Blood Bank at K. E. M. Hospital ... ... ... ... ... | 10,538 | 3,376 | 13,914 |
| Construction of an additional floor over Ward Pavilion No. 2 at K. E. M. Hospital ... ... ... ... ... ... | 1,50,923 | 36,101 | 1,87,024 |
| Govermment Share of the cost of preliminary expenses in connection with the preparation (part expenditure booked under Loan Funds) of Master Plan of Greater Bombay ... ... ... ... | 33,250 | 1,43,807 | 1,77,057 |
| Construction of a building for the Blood Bank at K. E. M. Hospital ... | 30,000 | ... | 30,000 |
| Additional accommodation for female ward at Turner Sanatorium ... | 2,97,612 | 2,385 | 2,99,997 |
| Construction of an archid house at Victoria Garden ... ... ... | 5,305 | ... | 5,305 |
| Construction of a permanent Screen wall at the new drying ground for dhobies at Mahalaxmi Kutchra Siding ... ... ... ... | 12,000 | ... | 12,000 |
| Construction of a building for an electrically operated crematorium at Chandanwadi ... ... ... ... = ... ... | 522 | 99,407 | 99,929 |
| Works in Progress—Total ... | 5,40,150 | 2,85,076 | 8,25,226 |
| Trust Fund—Total ... | 49,58,488 | 2,85,076 | 52,43,564 |
| *Worn-out Water Mains Renewal Fund.* | | | |
| Works completed (as per Report for 1951-52) ... ... ... | 9,64,526 | ... | 9,64,526 |
| Worn-out Water Mains Renewal Fund—Total ... | 9,64,526 | ... | 9,64,526 |
| *Land and Buildings Fund.* | | | |
| Lands purchased and buildings erected out of the Municipal Land and Buildings Fund— | | | |
| Works completed (as per Report for 1947-48) ... ... ... | 43,03,044 | ... | 43,03,044 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 9.

*Statement showing (1) the total amount of Municipal Loans raised (2) the expenditure incurred there against and (3) the invested balances of the Loans on 31st March 1953.*

| (1) | Amount raised. (2) | Amounts re-paid out of cash balance. (3) | Net amount available for expenditure. (4) | I.—General Superintendence, Collection of Revenue. (5) | II.—Water Works. (6) | III.—Education, Primary. (7) | IV—Education, Secondary. (8) | V.—Public Health. (9) | VI.—Medical Relief and Education (10) | VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service (11) | VIII.—Roads, Drains and Sewers. (12) | IX.—Mechanical. (13) | X.—Buildings, Land Acquisition and Management. (14) | XI.—Fire Brigade. (15) | XIII.—Gardens and Open Spaces. (16) | XIV. Market and Slaughter Houses. (17) | XV.—Slum Service. (18) | XVI.—Measures for Civil Defence. (19) | XVII—Greater Bombay. (20) | Discount and other charges on Loans. (21) | Plant and Machinery. (22) | Total amount Expended on Works up to 31st March 1953. (23) | Balance unexpended on 1st April 1953. (24) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Total of different Municipal Loans raised (as per Annual Account 1951-52) ... | 35,88,42,696 15 3 | 1,60,74,227 4 0 | 34,27,68,469 11 3 | | | | | | | | | | | | | | | | | | | | |
| *Less*— Loans Repaid— Rs. ... | | | | | | | | | | | | | | | | | | | | | | | |
| *Deduct*— Repaid out of Sinking Fund Accumulatoin and Net Premia Fund ... ... | 35,88,42,696 15 3 | 1,60,74,227 4 0 | 34,27,68,469 11 3 | | | | | | | | | | | | | | | | | | | | |
| Rs. 3.48 Crore Loan for 1952-53 Amount raised | | | | | | | | | | | | | | | | | | | | | | | |
| Rs. 2,44 lakhs loan. | 2,44,14,500 0 0 | ... | 2,44,14,500 0 0 | | | | | | | | | | | | | | | | | | | | |
| Rs. 35 lakhs loan. | 35,00,000 0 0 | ... | 35,00,000 0 0 | | | | | | | | | | | | | | | | | | | | |
| Rs. 69 lakhs loan. | 69,00,000 0 0 | ... | 69,00,000 0 0 | | | | | | | | | | | | | | | | | | | | |
| Advance from Net Premia Fund to meet the cost of Purchase of Indian Military Hospital at Dharavi ... ... | ... | ... | ... | | | | | | | | | | | | | | | | | | | | |
| Renewal of Road Surfaces for which no Renewal Fund exists and roads taken over from ex-Trust ... | 1,24,962 3 0 | ... | 1,24,962 3 0 | | | | | | | | | | | | | | | | | | | | |
| Purchase of Plant and Machinery for Capital Works— Rs. a. p. | | | | | | | | | | | | | | | | | | | | | | | |
| Net Premia Fund ... 8,08,361 3 7 | | | | | | | | | | | | | | | | | | | | | | | |
| Municipal Fire and Accident Insurance Fund ... 3,52,682 11 3 | | | | | | | | | | | | | | | | | | | | | | | |
| K. E. M. Hospital Research Fund 424 8 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Pre-cast concrete slabs Pavement Renewal Fund ... 26,504 4 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Slum Service Fund ... 16,505 14 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Renewal of Road Surfaces Fund ... 1,90,955 1 6 | | | | | | | | | | | | | | | | | | | | | | | |
| Hospital Fund ... 4,12,789 3 0 | | | | | | | | | | | | | | | | | | | | | | | |
| K. E. M. Hospital Equipment Fund ... 68,874 4 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Depreciation Fund for replacement of Plant and Machinery ... 81,088 8 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Plant and Machinery Depreciation Fund ... 5,42,539 14 0 | | | | | | | | | | | | | | | | | | | | | | | |
| Garden Fund ... 43,220 15 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 25,43,946 6 4 | 25,43,946 6 4 ... | 25,43,946 6 4 | 19,31,950 4 2 | 18,29,31,833 9 2 | 22,98,012 6 11 | 20703 7 0 | 56,50,145 10 6 | 93,91,962 10 11 | 2,32,14,748 6 11 | 8,62,37,560 4 3 | 34,96,269 13 10 | 3,06,51,717 9 9 | 16,08,101 0 9 | 37,09,222 0 1 | 91,62,141 15 1 | 10,12,874 12 11 | 1,86,803 10 0 | 2,16,473 7 0 | 36,33,116 6 10 | 84,23,930 15 10 | 37,37,77,568 7 11 | *Nil* |
| Advances from S.C.B. for financing Capital expenditure pending raising of a new loan | | | | ... | 45,61,423 12 11 | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | ... | 2,863 4 7 | ... | ... | 45,64,287 1 6 | |
| Grand Total Rs. ... | 39,63,26,105 8 7 | 1,60,74,227 4 0 | 38,02,51,878 4 7 | 19,31,950 4 2 | 18,74,93,257 6 1 | 22,98,012 6 11 | 20,703 7 0 | 56,50,145 10 6 | 93,91,962 10 11 | 2,32,14,748 6 11 | 8,62,37,560 4 3 | 34,96,269 13 10 | 3,06,51,717 9 9 | 16,08,101 0 9 | 37,09,222 0 1 | 91,62,141 15 1 | 10,12,874 12 11 | 1,86,803 10 0 | 2,19,336 11 7 | 36,33,116 6 10 | 84,23,930 15 10 | 37,83,41,855 9 5 | |
| Works executed out of Special Fund and Contributions:— | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Out of Contributions from— G. I. P. Railway for removing and relaying 32" Vehar Main, South of Kurla ... | ... | 3,74,000 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Port Trust for Wadi Bunder Road ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,56,500 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Government for Construction of Primary School Buildings ... ... | ... | ... | 5,00,000 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| (2) Out of Premia on Loans ... ... ... ... ... | ... | 2,40,000 0 0 | ... | ... | ... | ... | ... | ... | ... | 15,995 1 0 | ... | ... | ... | ... | 53 848 11 11 | ... | ... | ... | 11,004 15 0 | ... | |
| (3) Out of Special Funds— Invested Fund ... ... ... ... ... ... | 7,34,326 8 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Nesbit Road Invested Fund ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 49 844 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Road Improvement Fund ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 19,000 0 0 | ... | ... | ... | 17,869 15 8 | ... | ... | ... | ... | ... | ... | ... | |
| Loan Works Establishment ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Development Fund Receipts ... ... ... ... ... | ... | 1,40,647 12 7 | ... | ... | ... | ... | ... | ... | 3,02,317 3 8 | ... | ... | 1,29,89,110 7 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Contribution from Revenue towards Bai Jerbai Wadia Hospital for Children ... ... | ... | ... | ... | ... | ... | ... | ... | 7,00,000 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Contribution from Government out of the Provincial Share of Petrol Tax Fund for widening the Love Grove Bridge ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 91,234 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Contribution from Trustees Gokuldas Tejpal Charities for construction of Tejpal Road | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18,123 10 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Grant-in-Aid from Government for widening the Road in Colaba Division. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,975 14 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | 26,66,276 12 5 | 18,82,47,905 2 8 | 27,98,012 6 11 | 20,703 7 0 | 56,50,145 10 6 | 1,00,91,962 10 11 | 2,35,17,665 10 7 | 8,66,01,233 5 6 | 34,96 269 13 10 | 4,36,40,828 1 2 | 16,08,101 0 9 | 37,27,091 15 9 | 92,15,990 11 0 | 10,12,874 12 11 | 1,86 803 10 0 | 2 19,336 11 7 | 36,44,121 5 10 | 84,23,930 15 10 | | | | |
| *Deduct*— Plague Expenditure ... ... ... ... ... | ... | ... | ... | ... | 20,00,000 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Amounts written off on account of properties not existing .. ... .. | 82,305 14 10 | ... | ... | ... | 3,912 13 0 | ... | ... | ... | 4,63,200 12 0 | 2,92 469 15 0 | ... | ... | ... | ... | 40,499 14 11 | ... | ... | ... | ... | 23,79,211 4 0 | ... | |
| Expenditure on account of Municipal Printing Press Machinery transferred *vide* Corporation Resolution No. 856, dated the 11th December 1940 ... ... ... ... ... | ... | ... | ... | ... | 20,03,912 13 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,28,647 0 0 | ... | |
| Total Rs. ... | 25,83,970 15 7 | 18,82,47,905 2 8 | 27,98,012 6 11 | 20,703 7 0 | 36,46,232 13 6 | 1,00,91,962 10 11 | 2,30,53,864 14 7 | 8,63 08,763 6 6 | 34,96,269 13 10 | 4,36,40,828 1 2 | 16,08,101 0 9 | 37,27,091 15 9 | 91 75,490 12 1 | 10,12,874 12 11 | 1,86 803 10 0 | 2,19,336 11 7 | 36,44,121 5 10 | 59,16,072 11 10 | | | | |

| | Rs. a. p. |
|---|---|
| Total Receipt (Co. 4) ... | 38,02,51 878 4 7 |
| Total Expenditure (Co. 23) | 37,37, 77,568 7 11 |
| | 64,74,309 12 8 |
| *Less* ... | 64,74,309 12 8† |
| Balance | *Nil.* |

† The amount is reserved for Capital Store Account Stock.

T. V. DORAISWAMY.
Chief Accountant.

P. R. NAYAK,
Municipal Commissioner.

# Appendix No. 10.

## SINKING FUND.

*Statement showing the Actual Investments on account of the Sinking Fund of different Municipal Loans upto 31st March 1953, compared with the amounts which should have accumulated upto that date on the basis of the Fixed Instalments and the sums set aside as Sinking Fund as at 31st March 1953.*

| Name of Loan. | Amount raised. | When raised. | When repayable. | Amount of Annual Sinking Fund Instalment. | Date when Sinking Fund commenced. | Amount of Sinking Fund which should have accumulated upto 31st March 1953 at Compound Interest. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7. |
| | Rs. | | | † Rs. | | Rs. |
| *6 per cent. Municipal Loans (4 per cent. basis).* | | | | | | |
| 160 Lakhs Loan for the Improvement of Water Supply in Bombay. | 1,60,00,000 | Between 22nd September 1924 and 31st March 1925 (First issue). Between 18th November 1924 and 31st March 1925 (Second issue). | 1st December 1954 ... | 2,85,280 | 1st December 1925 ... | 1,44,44,828 |
| *5 and 6 per cent. Municipal Loans (3½ per cent. basis).* | | | | | | |
| 147 Lakhs Tansa Water Works Loan ... | 1,47,00,000 | Between 5th June 1886 and 24th Dec. 1891. | (a) Between 1st January 1928 and 1st January 1953. | 5,86,040 | 1st January 1893 ... | (b) 2,95,500 |
| 10 Lakhs Loan for the Conversion of S.W. Reservoir at Clerk Road into a Public Park. | 10,00,000 | 2nd July 1920 ... | 1st July 1980 ... | 5,089 | 1st July 1921 ... | 2,99,404 |
| 25 Lakhs Loan for the construction of roads, miscellaneous works including Development Works. | 25,00,000 | 1st January 1928 | 1st January 1958 ... | 48,428 | 1st January 1929 ... | 19,02,777 |
| 37 Lakhs Loan (1929-30) ... | 26,21,500 | From 19th July 1929 to 1st August 1929. | 1st August 1959 ... | 50,782 | 1st August 1930 ... | 17,90,759 |
| 31.43 Lakhs Loan for the repayment of 40 Lakhs Loan due 19th December 1929 | 26,14,000 | Do. | 1st August 1949. ... | ... | ... | 75,000 |
| 28 Lakhs Loan for the repayment of Rs. 39,94,000 out of 6 per cent. 50 Lakhs Loan due 1st August 1929. | 8,45,500 | Do. | At the option of the Corporation on or after 1st August 1954 on giving three months' notice by public advertisement or on 1st August 1959. | 16,379 | Do. ... | 5,77,596 |
| 40 Lakhs Loan (1930-31) ... | 40,00,000 | From 20th September 1930 to 6th October 1930. | At the option of the Corporation on or after 1st December 1950 on giving 3 Months' notice by public advertisement or on 1st December 1960. | ... | 1st June 1931 | 28,000 |
| *4 per cent. Municipal Loans (3½ per cent. basis.)* | | | | | | |
| 25 Lakhs Loan for Sewerage, Water, etc. Works. | 25,00,000 | 17th and 18th July 1899. | 1st November 1939 ... | ... | ... | *1,000. |
| | | | | | | 49,70,036 |
| | | | | | Carried forward ... | 1,94,14,864 |

| (a) Rs. | Repayable on | Less— Repaid— | Rs. | Balance. Rs. |
|---|---|---|---|---|
| 2,00,000 | 1-1-1928. | From 1-1-1928 ... | 2,00,000 | ... |
| 52,91,500 | 1-1-1933. | ,, 1-1-1933 to 31-3-1940 ... | 52,91,500 | ... |
| 22,03,500 | 1-1-1943. | ,, 1-1-1943 to 31-3-1950 ... | 22,07,500 | 1,000 |
| 17,00,000 | 1-1-1946. | ,, 1-1-1946 to 31-3-1950 ... | 16,96,000 | 4,000 |
| 10,00,000 | 1-1-1948. | ,, 1-1-1948 to 31-3-1950 ... | 9,99,500 | 500 |
| 43,00,000 | 1-1-1953 | ,, 1-1-1953 to 31-3-1953 ... | 40,10,000 | 2,90,000 |
| Rs. 1,47,00,000 | | | 1,44,04,500 | 2,95,500(b) |

* Stoppage is recorded against this Debenture.

† All the Sinking Fund Instalments were re-arranged during 1906-07 on a 3½ per cent. basis as per Corporation Resolution No. 4946 of 9th February 1905 and were further re-arranged from 1st April 1928 as per Corporation Resolution No. 6114 of 12th September 1927.

## Appendix No. 10—(*concld.*)

| Name of Loan. | Amount raised. | When raised. | When repayable. | Amount of Annual Sinking Fund Instalment. | Date when Sinking Fund commenced. | Amount of Sinking Fund which should have accumulated upto 31st March 1953 at Compound Interest. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. | | | Rs. | | Rs. |
| | | | | | Brought over ... | 1,94,14,864 |
| *4 per cent. Municipal Loans (3 per cent. basis).* | | | | | | |
| 15 Lakhs Loan for Street Improvements. | 15,00,000 | 29th July 1909 ... | 1st May 1949 ... | | | 4,000 |
| 30 Lakhs Loan for the acquisition of sites for the construction of various Overbridges in the City. | 30,00,000 | 29th July 1909 and 10th August 1910. | 1st May 1949 ... | | | 30,500 |
| 70 Lakhs Loan for reduplication of Tansa Main and other Auxiliary Works. | 70,00,000 | 9th September 1913, 22nd July 1914 and 10th April 1915. | Rs. 49,40,000 on 1st June 1954.<br>„ 20,60,000 on 1st June 1974.<br>Rs. 70,00,000 | 78,148 | 1st June 1915 ... | 55,39,749 |
| 20 Lakhs Loan for Street Improvements. | 20,00,000 | 9th September 1913 and 24th September 1915. | 1st May 1955 ... | 26,524 | 1st May 1916 ... | 18,03,452 |
| | | | | | | 73,77,701 |
| *3½ per cent. Municipal Loans (3 per cent. basis).* | | | | | | |
| 9 Lakhs Loan (1935-36) ... | 9,00,000 | 31st January 1936 ... | 14th March 1966 ... | 18,917 | 14th March 1937 ... | 4,12,274 |
| 48 Lakhs Loan (1940-41) ... | 48,00,000 | Between 1st March 1941 and 15th January 1942. | 1st March 1971 ... | 1,00,891 | 1st March 1942 ... | 14,35,425 |
| 25 Lakhs Loan (1941-42) ... | 25,00,000 | Between 1st September 1942 and 15th February 1943. | 1st March 1972 ... | 52,548 | 1st March 1943 ... | 6,74,700 |
| 20 Lakhs Loan (1943-44) | 20,00,000 | Between March 1944 and November 1944. | 1st March 1974 ... | 42,039 | 1st March 1945 | 4,28,145 |
| 22 Lakhs Loan (1944-45) ... | 22,00,000 | Between March 1945 and March 1946. | 1st March 1975 ... | 46,243 | 1st March 1946 ... | 4,12,240 |
| 25 Lakhs Loan (1945-46) ... | 25,00,000 | Between 27th March 1946 and 6th Nov. 1946 | 1st March 1976 ... | 52,548 | 1st March 1947 ... | 4,03,650 |
| | | | | | | 37,66,434 |
| *3 per cent. Municipal Loans (3 per cent. basis).* | | | | | | |
| 24½ Lakhs Loan (1936-37) ... | 18,50,000<br>6,00,000 | 1st November 1936 ...<br>1st June 1937 ... | 1st February 1967 ... | 51,498 | 1st February 1938 ... | 10,43,220 |
| 30 Lakhs Loan (1937-38) ... | 30,00,000 | 1st April 1938 ... | 14th March 1968 ... | 63,058 | 14th March 1939 ... | 11,74,542 |
| 30 Lakhs Loan (1938-39) ... | 30,00,000 | Between 16th January 1939 and 1st June 1939. | 1st March 1969 ... | 63,058 | 1st March 1940 ... | 10,80,111 |
| 64 Lakhs Loan (1939-40) ... | 64,00,000 | Between 1st December 1939 and 1st September 1940. | 1st March 1970 ... | 1,34,523 | 1st March 1941 ... | 21,06,200 |
| 54 Lakhs Loan (1946-47) | 54,00,000 | Between 4th March 1947 and 13th December 1948 | 1st March 1977 ... | 1,13,505 | 1st March 1948 ... | 7,36,035 |
| 61 Lakhs Loan (1948-49) ... | 61,00,000 | Between 23rd March 1949 to 19th August 1949 | 1st March 1979 ... | 1,28,218 | 1st March 1950 ... | 5,37,759 |
| 17.97 Lakhs Loan (1950-51) ... | 17,97,000 | 1st December 1950 | 1st December 1960 ... | 1,56,754 | 1st December 1951 ... | 3,21,394 |
| *3¼ per cent. Municipal Loans (3 per cent. basis).* | | | | | | |
| 75 Lakhs Loan (1947-48) ... | 75,00,000 | 1st August 1947 | 1st August 1977 ... | 1,57,645 | 1st August 1948 ... | 8,53,699 |
| 1.25 Crores Loan (1949-50) | 88,14,500 | Between 23rd September to 29th September 1949 | 15th September 1979 ... | 1,85,275 | 15th September 1950 ... | 5,81,974 |
| 2 Crores Loan (1950-51) ... | 2,00,00,000 | 21st August 1950 | 16th August 1965 ... | 10,75,332 | 16th August 1951 ... | 22,23,855 |
| 80 Lakhs Loan (1950-51) ... | 80,00,000 | Between 20th December 1950 to 29th March 1951 | 1st September 1980 ... | 1,68,152 | 1st September 1951 ... | 3,47,323 |
| 10 Lakhs Loan (1950-51) ... | 10,00,000 | 1st March 1951 | 16th August 1965 ... | 53,767 | 16th August 1951 ... | 1,11,193 |
| *3¾ per cent. Municipal Loans (3 per cent. basis).* | | | | | | |
| 1,75,34,000 Loan (1951-52) | 1,75,34,000 | 3rd October 1951 | 3rd October 1966 ... | 9,42,751 | 3rd October 1952 | 9,56,735 |
| 33 Lakhs Loan (1951-52) | 33,00,000 | 16th Feb. 1952 | 3rd October 1966 ... | 1,77,432 | 3rd October 1952 | 1,80,064 |
| 60 Lakhs Loan (1951-52) | 60,00,000 | 16th Feb. 1952 | 16th August 1966 ... | 3,22,602 | 16th August 1952 | 3,28,651 |
| | | | | | Total Rs. ... | 1,25,82,755 |
| | | | | | | 4,31,41,754 |

| | Amount actually invested upto 31st March 1953. | | | | Amount of Interest accrued upto 31st March 1953 collected and invested in 1953-54. | Total of Columns 5 and 6 |
|---|---|---|---|---|---|---|
| | Amount of Sinking Fund invested upto 31st March 1952. | Sinking Fund Instalments paid in 1952-53. | Interest, etc., accumulations invested in 1952-53. | Total. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Sinking Funds | 4,24,22,630 9 9 | 52,01,593 0 0 | 16,22,010 11 0 | 4,92,46,239 4 9 | | |
| *Deduct*—Withdrawn for repayment of Loans ... | | | | 40,30,500 0 0 | | |
| Total Sinking Funds ... | | | | †4,52,15,739 4 9 | | |
| In Public Securities as detailed in Appendix No. 16-A ... | | | | 4,52,15,653 8 8 | | |
| In Cash with the Imperial Bank of India. | | | | 85 12 1 | | |
| Total ... | | | | 4,52,15,739 4 9 | 2,06,100 15 3 | 4,54,21,840 4 0 |

† The market value of the securities on 31st March 1953 is Rs. 4,53,13,494-10-8 as shown in Appendix No. 16-A and after adding the cash balance of Rs. 85-12-1 and the interest accrued on the securities upto 31st March 1953 amounting to Rs. 2,06,100-15-3 the total amount of Sinking Fund is Rs. 4,55,19,681-6-0.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

**Appendix**

*Statement showing Outstanding Loans due by the Municipality, the interest outstanding on 1st Imperial Bank of India, and in Office during that year*

| No. | Particulars of Loans. | Rate of Interest. | Balance due on 1st April 1952. | Amount raised in 1952-53 | Total. | Amount re-paid in 1952-53 |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | **Loans raised from Government.** | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 1 | Vehar Water Works Debt ... | 4 per cent. | 83,756 6 9 | | A 83,756 6 9 | 83,756 6 9 |
| 2 | 2nd Instalment out of the Loan of Rs. 1½ crores for Water Works, Roads, Drainage and Sewerage, &c. | 5½ per cent. (Inclusive of Income-tax) | 3,17,420 13 0 | | C 3,17,420 13 0 | 3,17,420 13 0 |
| 3 | 140 Lakhs Loan for General Supervision, Fire Brigade, &c., purposes | 4¾ per cent.<br>5½ per cent.<br>5¾ per cent. | 1,47,250 15 0<br>7,46,335 13 0<br>3,06,721 14 0 | | C 1,47,250 15 0<br>C 7,46,335 13 0<br>C 3,06,721 14 0 | 1,47,250 15 0<br>7,46,335 13 0<br>1,49,441 2 0 |
| 4 | 65 Lakhs Loan for Tansa Triplication Scheme ... | 5½ per cent. | 7,95,031 0 0 | | C 7,95,031 0 0 | 3,87,341 14 0 |
| 5 | 2½ Crores Loan for Water Works, General Supervision and Development &c., purposes | 5¾ per cent. | 13,24,139 1 0 | | C 13,24,139 1 0 | 6,45,132 11 0 |
| 6 | 2 Crores Loan for major Development Works | 5½ per cent.<br>5 per cent.<br>5 per cent.<br>5¾ per cent. | 15,56,551 12 0<br>22,55,985 15 0<br>4,11,685 5 0<br>11,87,833 0 0 | | D 15,56,551 12 0<br>C 22,55,985 15 0<br>D 4,11,685 5 0<br>C 11,87,833 0 0 | 7,58,358 0 0<br>7,15,621 11 0<br>1,30,591 12 0<br>2,74,564 12 0 |
| 7 | 150 Lakhs Loan (1925-26) | 5½ per cent.<br>5 per cent.<br>5 per cent.<br>3¾ per cent. | 9,50,254 14 0<br>8,44,930 4 0<br>11,26,542 5 0<br>12,17,851 4 0 | | C 9,50,254 14 0<br>C 8,44,930 4 0<br>C 11,26,542 5 0<br>C 12,17,851 4 0 | 2,19,653 10 0<br>1,52,907 8 0<br>2,03,878 14 0<br>1,84,760 9 0 |
| | Total Loans raised from Government Rs. | | 1,32,72,290 9 9 | | 1,32,72,290 9 9 | 51,17,026 6 9 |
| | **Loans raised from the Public.** | | | | | |
| 1 | The Tansa Water Works Loan (Rs. 14 Lakhs) ... | 5 per cent. | 43,00,000 0 0<br>5,500 0 0 | | 43,00,000 0 0<br>5,500 0 0 | (a) 40,10,000 0 0 |
| 2 | 25 Lakhs Loan for Sewerage, Water and other Sanitary Works ... | 4 per cent. | 1,000 0 0 | | 1,000 0 0 | (a) |
| 3 | The 2nd 24¾ Lakhs Loan for certain Sewerage Works | 4 per cent. | 500 0 0 | | 500 0 0 | (a) 500 0 0 |
| 4 | The 15 Lakhs Loan for Street Improvements ... | 4 per cent. | 4,500 0 0 | | 4,500 0 0 | (a) 500 0 0 |
| 5 | The 30 Lakh Loan for the Acquisition of Sites for the Construction of Overbridges... | 4 per cent. | 30,500 0 0 | | 30,500 0 0 | (a) |
| 6 | The 70 Lakhs Loan for re-duplication of Tansa Main and other Auxiliary Works ... | 4 per cent. | 70,00,000 0 0 | | 70,00,000 0 0 | (a) |
| 7 | The 20 Lakhs Loan for Street Improvements ... | 4 per cent. | 20,00,000 0 0 | | 20,00,000 0 0 | (a) |
| 8 | The 10 Lakhs Loan for the Conversion of the Storm Water Reservoir at Clerk Road into a Public Park ... | 5 per cent. | 10,00,000 0 0 | | 10,00,000 0 0 | (a) |
| 9 | 160 Lakhs Loan for the Improvement of the Water Supply in Bombay (First Issue). | 6 per cent. | 67,77,000 0 0 | | 67,77,000 0 0 | (a) |
| | Loans from Public Carried over Rs. ... | | 2,11,19,000 0 0 | | 2,11,19,000 0 0 | 40,11,000 0 0 |
| | Loans from Govt. Carried over Rs. ... | | 1,32,72,290 9 9 | | 1,32,72,290 9 9 | 51,17,026 6 9 |

A—The loan is payable in monthly instalments of Rs. 9,498 (Principal and Interest) out of Revenue. No Sinking Fund has been created for this loan.

B—This loan is repayable out of revenue in annual equal instalments including principal and interest based on the amortization of the loans within a period of 15 years. No Sinking Fund has been created for this loan.

C—These loans are payable out of revenue in annual equal instalments including principal and interest based on the amortization of the loans within a period of 30 years. No Sinking Fund has been created for these loans.

D—These loans are raised for development purposes. The programmes of repayment have been approved under Corporation Resolutions Nos. 5253 of 11th September 1928 and 81 of 3rd May 1934.

(a) As under the terms of these loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been invested as shown in detail in Appendix No. 10.

**No 11.**

*April 1952 on the different Loans, the amount payable for the year 1952-53 the amount paid by the and the balances outstanding on 31st March 1953.*

| | Balance due on 31st March 1953. | Interest outstanding on 1st April 1952. | Interest payable in 1952-53 | Total interest due | Deduct—Interest paid by the Imperial Bank of India and in Office. | Outstanding balance on 31st March 1953 |
|---|---|---|---|---|---|---|
| | 8 | 9 | 10 | 11 | 12 | 13 |
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | .. | ... | 1,415 10 0 | 1,415 10 0 | 1,410 8 0 | *5 2 0 |
| | ... | ... | 17,458 2 0 | 17,458 2 0 | 17,458 2 0 | ... |
| | ... | ... | 6,994 7 0 | 6,994 7 0 | 6,994 7 0 | ... |
| | ... | ... | 41,048 8 0 | 41,048 8 0 | 41,048 8 0 | ... |
| | 1,57,280 12 0 | ... | 16,102 14 0 | 16,102 14 0 | 16,102 14 0 | ... |
| | 4,07,689 2 0 | ... | 41,739 2 0 | 41,739 2 0 | 41,739 2 0 | ... |
| | 6,79,006 6 0 | ... | 69,517 5 0 | 69,517 5 0 | 69,517 5 0 | ... |
| | 7,98,183 12 0 | ... | 81,719 0 0 | 81,719 0 0 | 81,719 0 0 | ... |
| | 15,40,364 4 0 | ... | 1,12,799 5 0 | 1,12,799 5 0 | 1,12,799 5 0 | ... |
| | 2,81,093 9 0 | ... | 20,584 4 0 | 20,584 4 0 | 20,584 4 0 | ... |
| | 9,13,769 4 0 | ... | 62,361 4 0 | 62,361 4 0 | 62,361 4 0 | ... |
| | 7,30,601 4 0 | ... | 49,888 6 0 | 49,888 6 0 | 49,888 6 0 | ... |
| | 6,92,022 12 0 | ... | 42,246 8 0 | 42,246 8 0 | 42,246 8 0 | ... |
| | 9,22,663 7 0 | ... | 56,327 2 0 | 56,327 2 0 | 56,327 2 0 | ... |
| | 10,33,090 11 0 | ... | 45,669 7 0 | 45,669 7 0 | 45,669 7 0 | ... |
| | 81,55,264 3 0 | ... | 6,65,871 4 0 | 6,65,871 4 0 | 6,65,866 2 0 | *5 2 0 |
| | | | | | | |
| | 2,90,000 0 0 | | | | | |
| F | 5,500 0 0 | 12,506 0 0 | 2,15,000 0 0 | 2,27,506 0 0 | 1,21,751 4 0 | 52,004 12 0 |
| | | | | | | *53,750 0 0 |
| F | 1,000 0 0 | 380 0 0 | ... | 380 0 0 | ... | 380 0 0 |
| | ... | 420 0 0 | ... | 420 0 0 | ... | 420 0 0 |
| E | 4,000 0 0 | 202 0 0 | ... | 202 0 0 | 70 0 0 | 132 0 0 |
| E | 30,500 0 0 | 24,039 1 0 | ... | 24,039 1 0 | ... | 24,039 1 0 |
| | 70,00,000 0 0 | 8,373 12 2 | 2,80,000 0 0 | 2,88,373 12 2 | 2,80,897 12 0 | 7,476 0 2 |
| | 20,00,000 0 0 | 2,088 2 0 | 80,000 0 0 | 82,088 2 0 | 80,632 8 0 | 1,455 10 0 |
| | 10,00,000 0 0 | ... | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | ... |
| | 67,77,000 0 0 | 50,880 1 0 | 4,06,620 0 0 | 4,57,500 1 0 | 4,08,759 14 0 | 48,740 3 0 |
| | 1,71,08,000 0 0 | 98,889 0 2 | 10,31,620 0 0 | 11,30,509 0 2 | 9,42,111 6 0 | 1,34,647 10 2 |
| | | | | | | *53,750 0 0 |
| | 81,55,264 3 0 | ... | 6,65,871 4 0 | 6,65,871 4 0 | 6,65,866 2 0 | *5 2 0 |

E—Debentures in respect of these loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1951. The Debentures do not carry interest from and after the due dates and will be paid when surrendered for repayment by the holders, out of the Sinking Fund Investments.

F—Stoppage is recorded against these Debentures.

## Appendix

| No. | Particulars of Loans. | Rate of Interest. | Balance due on 1st April 1952. | Amount raised in 1952-53. | Total. | Amount re-paid in 1952-53 |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Loans from Govt. Brought forward ... | | Rs. a. p. 1,32,72,290 9 9 | Rs. a. p. | Rs. a. p. 1,32,72,290 9 9 | Rs. a. p. 51,17,026 6 9 |
| | Loans from Public Brought forward ... | | 2,11,19,000 0 0 | | 2,11,19,000 0 0 | 40,11,000 0 0 |
| | **Loans raised from the Public—*contd.*** | | | | | |
| 12 | 160 Lakhs Loan for the Improvement of the Water Supply in Bombay (Second Issue). | 6 per cent. | 92,23,000 0 0 | | 92,23,000 0 0 | (a) |
| 13 | Rs. 25 Lakhs Loan (1927-28) ... | 5 per cent. | 25,00,000 0 0 | | 25,00,000 0 0 | (a) |
| 14 | Rs. 37 Lakhs Loan (1929-30) ... | 5 per cent. | 26,21,500 0 0 | | 26,21,500 0 0 | (a) |
| 15 | Rs. 31.43 Lakhs Loan for the repayment of Rs. 40 Lakhs Loan due 19th December 1929 ... | 5 per cent. | 76,500 0 0 | | 76,500 0 0 | (a) 1,500 0 0 |
| 16 | Rs. 28 Lakhs Loan for the repayment of Rs. 39,94,000 out of 6 per cent. 50 Lakhs Loan due 1st August 1929 ... | 5 per cent. | 8,45,500 0 0 | | 8,45,500 0 0 | (a) |
| 17 | Rs. 40 Lakhs Loan (1930-31) ... | 6 per cent. | 46,000 0 0 | | 46,000 0 0 | (a) 18,000 0 0 |
| 18 | Rs. 9 Lakhs Loan (1935-36) ... | 3½ per cent. | 9,00,000 0 0 | | 9,00,000 0 0 | (a) |
| 19 | Rs. 24½ Lakhs Loan (1936-37) | 3 per cent. | 24,50,000 0 0 | | 24,50,000 0 0 | (a) |
| 20 | Rs. 30 Lakhs Loan (1937-38) ... | 3 per cent. | 30,00,000 0 0 | | 30,00,000 0 0 | (a) |
| 21 | Rs. 30 Lakhs Loan (1938-39) ... | 3 per cent. | 30,00,000 0 0 | | 30,00,000 0 0 | (a) |
| 22 | Rs. 64 Lakhs Loan (1939-40) ... | 3 per cent. | 64,00,000 0 0 | | 64,00,000 0 0 | (a) |
| 23 | Rs. 48 Lakhs Loan (1940-41) | 3½ per cent. | 48,00,000 0 0 | | 48,00,000 0 0 | (a) |
| 24 | Rs. 25 Lakhs Loan (1941-42) ... | 3½ per cent. | 25 00,000 0 0 | | 25,00.000 0 0 | (a) |
| 25 | Rs. 20 Lakhs Loan (1943-44) ... | 3½ per cent. | 20,00,000 0 0 | | 20,00,000 0 0 | (a) |
| 26 | Rs. 22 Lakhs Loan (1944-45) ... | 3½ per cent. | 22,00,000 0 0 | | 22,00,000 0 0 | (a) |
| 27 | Rs. 25 Lakhs Loan (1945-46) ... | 3½ per cent. | 25,00,000 0 0 | | 25,00.000 0 0 | |
| 28 | Rs. 54 Lakhs Loan (1946-47) ... | 3 per cent. | 54,00.000 0 0 | | 54,00,000 0 0 | |
| 29 | Rs. 75 Lakhs Loan (1947-48) ... | 3½ per cent. | 75,00,000 0 0 | | 75,00,000 0 0 | |
| 30 | Rs. 61 Lakhs Loan (1948-49) ... | 3 per cent. | 61,00,000 0 0 | | 61,00,000 0 0 | |
| 31 | Rs. 1.25 Crores Loan of 1949 ... | 3½ per cent. | 88,14,500 0 0 | | 88,14,500 0 0 | |
| 32 | Rs. 2 Crores Loan (1950-51) ... | 3¼ per cent. | 2,00,00,000 0 0 | | 2,00,00,000 0 0 | |
| 33 | Second instalment of Rs. 10 Lakhs Loan out of Rs. 3 Crores Loan of 1949-50 ... | 3¼ per cent. | 10,00,000 0 0 | | 10,00,000 0 0 | |
| 34 | Rs. 80 Lakhs Loan (1950-51) ... | 3¼ per cent. | 80,00,000 0 0 | | 80,00,000 0 0 | |
| 35 | Rs. 17.97 Lakhs Loan for repayment of Rs. 40 lakhs Loan (1930-31) due for repayment on 1st December 1950 ... | 3 per cent. | 17,97,000 0 0 | | 17,97,000 0 0 | |
| 36 | Rs. 1.75 Crores Loan 1951-52 out of Rs. 420 Lakhs Loan ... | 3¼ per cent. | 1,75,34,000 0 0 | ... | 1,75,34,000 0 0 | |
| 37 | Rs. 33 Lakhs Loan 1951-52 out of Rs. 420 Lakhs Loan ... | 3¼ per cent. | 33,00,000 0 0 | ... | 33,00,000 0 0 | |
| 38 | Rs. 60 Lakhs Loan 195152 ... | 3¼ per cent | 60,00,000 0 0 | ... | 60,00,000 0 0 | |
| 39 | Rs. 2,44,14,500 Loan 1952-53 out of 419 Lacs. Loan .. | 4 per cent. | | 2,44,14,500 0 0 | 2,44,14,500 0 0 | |
| 40 | Rs. 69 Lacs. Loan 1252 53 out of 419 Lacs. Loan ... | 4 per cent. | | 69,00,000 0 0 | 69,00,000 0 0 | |
| 41 | Rs. 35 Lacs. Loan 1952.53 out of 419 Lacs. Loan ... | 4 per cent. | | 35,00,000 0 0 | 35,00.000 0 0 | |
| 42 | The 2nd Rs. 24¾ Lacs. Loan ... | 4 per cent. | | | | |
| | Total Loans raised from the public ... | Total ... | 15,16,27,000 0 0 | 3,48,14,500 0 0 | 18,64,41,500 0 0 | 40,30,500 0 0 |
| | **Advances from Special Funds for Capital Works.** | | | | | |
| 1 | Rs. 8½ lakhs Advance from Plant and Machinery Depreciation Fund (1931-32) Rs. 13 lakhs Advance from Special Fund (1932-33) | 5 per cent. | 4,13,242 15 0 | | 4,13,242 15 0 | 32,854 14 0 |
| 2 | Rs. 8 lakhs from Renewal of Road Surfaces Fund ... | 4½ per cent. | 4,12,289 14 0 | | 4,12,289 14 0 | 29,786 15 0 |
| 3 | Rs. 1½ lakhs from Plant and Machinery Depreciation Fund ... | 4½ per cent. | 77,296 8 0 | | 77,296 8 0 | 5,585 10 0 |
| 4 | Rs. 3½ lakhs from Plant and Machinery Depreciation Fund ... | 4½ per cent. | 1,95,932 5 0 | | 1,95,932 5 0 | 12,670 1 0 |
| | Rs. 11 lakhs Advance from Special Funds (1933-34). | | | | | |
| 5 | Rs. 5 lakhs form Municipal Fire and Accident Insurance Fund ... | 4 per cent. | 2,71,371 3 0 | | 2,71,371 3 0 | 18,060 3 0 |
| 6 | Rs. 3 lakhs from Renewal of Road Surfaces Fund ... | 4 per cent. | 1,73,242 1 0 | | 1,73,242 1 0 | 10,419 5 0 |
| 7 | Advance from Net Premia fund for repayment of an advance from Fines Fund ... Rs. 8.69 lakhs Advance form Special Funds | 4 per cent. | 1,62,822 12 0 | | 1,62,822 12 0 | 10,836 1 0 |
| 8 | Rs. 5 lakhs from Net Premia Fund ... | 4 per cent. | 2,88,736 11 0 | | 2,88,736 11 0 | 17,365 8 0 |
| 9 | Rs. 3.69 lakhs from Net Premia Fund ... Advances from Land Sales Reserve Fund | 4 per cent. | 2,25,416 9 0 | | 2,25,416 9 0 | 12,322 5 0 |
| 10 | Rs. 8 lakhs from Net Premia Fund ... | 3 per cent. | 6,58,336 7 0 | | 6,58,336 7 0 | 74,034 14 0 |
| 11 | Rs. 3,81,662 from Fire and Accident Insurance Fund ... | 3 per cent. | 3,14,076 15 0 | | 3,14,076 15 0 | 35,320 11 0 |
| | Total Advances Rs. ... | | 31,92,764 4 0 | | 31,92,764 4 0 | 2,59,256 7 0 |
| | Total Rs. ... | | 16,80,92,054 13 9 | 3,48,14,500 0 0 | 20,29,06,554 13 9 | 94,06,782 13 9 |

(a) As under the terms of these loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been vested as shown in detail in Appendix No. 10.

**No. 11—*continued.***

| Balance due on 31st March 1953. | Interest outstanding on 1st April 1952 | Interest payable in 1952-53. | Total Interest due. | Deduct—Interest paid by the Imperial Bank of India and in Office. | Outstanding Balance on 31st March 1953 |
|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 81,55,264 3 0 | ... | 6,65,871 4 0 | 6,65,871 4 0 | 6,65,865 2 0 | *5 2 0 |
| 1,71,08,000 0 0 | 93,889 0 2 | 10,31,620 0 0 | 11,30,509 0 2 | 9,42,111 6 0 | 1,34,647 10 2<br>*53,750 0 0 |
| 92,23,000 0 0 | 39,459 6 0 | 5,53,380 0 0 | 5,92,839 6 0 | 5,33,351 3 0 | 59,488 3 0 |
| 25,00,000 0 0 | ... | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | ... |
| 26,21,500 0 0 | 7,302 5 0 | 1,31,075 0 0 | 1,38,377 5 0 | 1,31,112 13 0 | 7,264 8 0 |
| 75,000 0 0 | 9,764 13 0 | ... | 9,764 13 0 | 2,302 5 0 | 7,462 8 0 |
| 8,45,500 0 0 | 5,300 12 0 | 42,275 0 0 | 47,575 12 0 | 42,196 4 0 | 5,379 8 0 |
| 28,000 0 0 | 15,000 10 0 | ... | 15,000 10 0 | 2,700 10 0 | 12,300 0 0 |
| 9,00,000 0 0 | ... | 31,500 0 0 | 31,500 0 0 | ... | 31,500 0 0 |
| 24,50,000 0 0 | ... | 73,500 0 0 | 73,500 0 0 | 73,500 0 0 | ... |
| 30,00,000 0 0 | ... | 90,000 0 0 | 90,000 0 0 | 90,000 0 0 | ... |
| 30,00,000 0 0 | ... | 90,000 0 0 | 90,000 0 0 | 90,000 0 0 | ... |
| 64,00,000 0 0 | ... | 1,92,000 0 0 | 1,92,000 0 0 | 1,92,000 0 0 | ... |
| 48,00,000 0 0 | ... | 1,68,000 0 0 | 1,68,000 0 0 | 1,68,000 0 0 | ... |
| 25,00,000 0 0 | ... | 87,500 0 0 | 87,500 0 0 | 87,500 0 0 | ... |
| 20,00,000 0 0 | ... | 70,000 0 0 | 70,000 0 0 | 70,000 0 0 | ... |
| 22,00,000 0 0 | ... | 77,000 0 0 | 77,000 0 0 | 77,000 0 0 | ... |
| 25,00,000 0 0 | ... | 87,500 0 0 | 87,500 0 0 | 87,500 0 0 | ... |
| 54,00,000 0 0 | ... | 1,62,000 0 0 | 1,62,000 0 0 | 1,62,000 0 0 | ... |
| 75,00,000 0 0 | 13,769 6 0 | 2,43,750 0 0 | 2,57,519 6 0 | 2,55,177 3 0 | 2,342 3 0 |
| 61,00,000 0 0 | ... | 1,83,000 0 0 | 1,83,000 0 0 | *0 12 0 | |
| 88,14,500 0 0 | 67,045 11 0 | 2,86,472 0 0 | 3,53,517 11 0 | 2,93,140 8 0 | 60,376 7 0 |
| 2,00,00,000 0 0 | 59,887 4 0 | 6,50,000 0 0 | 7,09,887 4 0 | 6,57,920 6 0 | 51,966 14 0 |
| 10,00,000 0 0 | ... | 32,500 0 0 | 32,500 0 0 | 32,500 0 0 | |
| 80,00,000 0 0 | ... | 2,60,000 0 0 | 2,60,000 0 0 | 2,60,000 0 0 | |
| 17,97,000 0 0 | ... | 53,910 0 0 | 53,910 0 0 | 53,910 0 0 | ... |
| 1,75,34,000 0 0 | | 6,56,250 0 0 | 6,56,250 0 0 | 6,46,259 15 0 | 9,990 1 0 |
| 33,00,000 0 0 | | 2,43,750 0 0 | 2,43,750 0 0 | 77,343 12 0 | *1,66,406 4 0 |
| 60,00,000 0 0 | | 2,25,000 0 0 | 2,25,000 0 0 | 2,25,000 0 0 | |
| 2,44,14,500 0 0 | | | | | |
| 69,00,000 0 0 | | 5,62,500 0 0 | 5,62,500 0 0 | 4,52,787 11 0 | 1,08,335 10 0<br>*1,376 11 0 |
| 35,00,000 0 0 | | | | | |
| ... | ... | 10 0 0 | 10 0 0 | 10 0 0 | ... |
| 18,24,11,000 0 0 | 3,16,419 3 2 | 64,09,492 0 0 | 67,25,911 3 2 | 60,13,324 0 0 | 4,91,053 8 2<br>* 2,21,533 11 0 |
| 3,80,388 1 0 | ... | 20,662 2 0 | 20,662 2 0 | 20,662 2 0 | ... |
| 3,82,502 15 0 | .. | 18,553 1 0 | 18,553 1 0 | 18,553 1 0 | ... |
| 71,710 14 0 | ... | 3,478 6 0 | 3,478 6 0 | 3,478 6 0 | ... |
| 1,83,262 4 0 | ... | 8,816 15 0 | 8,816 15 0 | 8,816 15 0 | ... |
| 2,53,311 0 0 | ... | 10,854 13 0 | 10,854 13 0 | 10,854 13 0 | ... |
| 1,62,822 12 0 | ... | 6,929 11 0 | 6,929 11 0 | 6,929 11 0 | ... |
| 1,51,986 11 0 | ... | 6,512 15 0 | 6,512 15 0 | 6,512 15 0 | ... |
| 2,71,371 3 0 | ... | 11,549 8 0 | 11,549 8 0 | 11,549 8 0 | ... |
| 2,13,094 4 0 | ... | 9,016 11 0 | 9,016 11 0 | 9,016 11 0 | ... |
| 5,84,301 9 0 | ... | 19,750 2 0 | 19,750 2 0 | 19,750 2 0 | ... |
| 2,78,756 4 0 | ... | 9,422 5 0 | 9,422 5 0 | 9,422 5 0 | ... |
| 29,33,507 13 0 | ... | 1,25,546 9 0 | 1,25,546 9 0 | 1,25,546 9 0 | ... |
| 19,34,99,772 0 0 | 3,16,419 3 2 | 72,00,909 13 0 | 75,17,329 0 2 | 68,04,736 11 0 | 4,91,053 8 2<br>*2,21,538 13 0 |

* To be treated as Savings.

| No. | Particulars of Loans. | Rate of Interest. | Balance due on 1st April 1952. | Amount raised in 1952-53. | Total. | Amount repaid in 1952-53. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | Total brought forward ... | | 16,80,92,054 13 9 | 3,48,14,500 0 0 | 20,29,06,554 13 9 | 94,06,782 13 9 |
| | **Advances from different Funds for purchase of Plant and Machinery** | | | | | |
| 12 | Advance of Rs. 83,000 taken from Net Premia fund in 1936-37 ... | 3 per cent. | 6,409 10 0 | | 6,409 10 0 | 6,409 10 0 |
| 13 | Advance of Rs. 1,91,500 taken from Net Premia fund in 1937-38 ... | 3 per cent. | 12,442 4 0 | | 12,442 4 0 | 12,442 4 0 |
| 14 | Advance of Rs. 2,16,600 taken from Net Premia fund in 1938-39 ... | 3 per cent. | 46,574 5 0 | | 46,574 5 0 | 11,130 12 0 |
| 15 | Advance of Rs. 1,71,400 taken from Net Premia fund in 1939-40 ... | 3 per cent. | 26,930 10 0 | | 26,930 10 0 | 6,436 1 0 |
| 16 | Advance of Rs. 40,100 taken from Net Premia fund in 1940-41 ... | 3 per cent. | 7,209 9 0 | | 7,209 9 0 | 3,554 11 0 |
| 17 | Advance of Rs. 43,200 taken from Net Premia fund in 1941-42 ... | 3 per cent. | 20,444 3 0 | | 20,444 3 0 | 2,667 11 0 |
| 18 | Advance of Rs. 27,100 taken from Net Premia fund in 1942-43 ... | 3 per cent. | 4,768 9 0 | | 4,768 9 0 | 1,948 6 0 |
| 19 | Advance of Rs. 73,566 taken from Net Premia fund in 1943-44 ... | 3 per cent. | 27,467 15 0 | | 27,467 15 0 | 6,566 15 0 |
| 20 | Advance of Rs. 89,537-4-6 taken from Net Premia fund in 1944-45 ... | 3 per cent. | 41,195 12 6 | | 41,195 12 6 | 7,759 2 0 |
| 21 | Advance of Rs. 55,216-4-0 taken from Net Premia fund in 1945-46 ... | 3 per cent. | 27,321 4 0 | | 27,321 4 0 | 5,149 6 0 |
| 22 | Advance of Rs. 1 08,567-5-0 taken from Net Premia fund in 1946-47 ... | 3 per cent. | 80,853 12 0 | | 80,853 12 0 | 6,051 6 0 |
| 23 | Advance of Rs. 97,972-4-0 taken from Net Premia fund in 1947-48 ... | 3 per cent. | 65,968 4 0 | | 65,968 4 0 | 8,609 15 0 |
| 24 | Advance of Rs. 93,034-13-6 taken from Net Premia fund in 1948-49. ... | 3 per cent. | 74,619 6 6 | | 74,619 6 6 | 6,510 7 0 |
| 25 | Advance of Rs. 1, 3,619-2-6 taken from Net Premia fund in 1949-50 ... | 3 per cent. | 1,07,550 13 6 | | 1,07,550 13 6 | 8,397 8 0 |
| 26 | Advance of Rs. 53,323-11-0 taken from Fire & Accident Insurence fund in 1949-50 ... | 3 per cent. | 47,503 2 0 | | 47,503 2 0 | 3,041 15 0 |
| 27 | Advances of Rs. 78,196-14-0 taken from Net Premia fund in 1949-50... ... | 3¼ per cent. | 48,409 5 0 | | 48,409 5 0 | 15,623 11 0 |
| 28 | Advance of Rs. 1,00,561-2-0 taken from Fire & Accident Insurance fund in 1949-50 ... | 3¼ per cent. | 62,255 1 0 | | 62,255 1 0 | 20,091 12 0 |
| 29 | Advance of Rs. 1,83,600 taken from Plant & Mechinery Dep. fund in 1949-50 ... | 3¼ per cent. | 1,13,661 11 0 | | 1,13,661 11 0 | 36,683 0 0 |
| 30 | Advance of Rs. 3,41,298-1-0 taken from Dep. fund in 1949-50 for replacement of Plant & Machinery purchased out of Loan Fund. | 3¼ per cent. | 2,11,289 9 0 | | 2,11,289 9 0 | 68,190 1 0 |
| 31 | Advance of Rs. 2,98,378-9-0 taken from Depreciation Fund in 1950-51 for replacement of Plant and Machinery ... | 3¼ per cent. | 2,42,456 14 0 | | 2,42,456 14 0 | 37,089 2 0 |
| 32 | Advance of Rs. 51,035-12-0 taken from Precast Concrete Slabs Pavement Renewal Fund in 1950-51 ... | 3¼ per cnet. | 41,470 6 0 | | 41,470 6 0 | 9,876 4 0 |
| 33 | Advance of Rs. 3 52,159-11-0 taken from Renewal of Road Surfaces Fund in 1950-51 ... | 3¼ per cent. | 2,86,158 14 0 | | 2,86,158 14 0 | 68,145 13 0 |
| 34 | Advance of Rs. 1,924-13-0 taken from Slum Service Fund in 1950-51 ... | 3¼ per cent. | 1,563 6 0 | | 1,563 6 0 | 373 3 0 |
| 35 | Advance of Rs. 43,215-8-0 taken from K.E.M. Hospital and G.S.M College Research Fund in 1950-51 ... | 3¼ per cent. | 35,116 0 0 | | 35,116 0 0 | 8,362 12 0 |
| 36 | Advance of Rs. 8,54,301-8-0 taken from Hospital Fund in 1950-51 .. | 3¼ per cent. | 6,94,191 5 0 | | 6,94,191 5 0 | 1,65,313 13 0 |
| 37 | Advance of Rs. 80,908-13-0 taken from Municipal Fire and Accident Insurance Fund in 1950-51 ... | 3¼ per cent. | 65,744 6 0 | | 65,744 6 0 | 15,657 6 0 |
| 38 | Advance of Rs. 24,178-13-0 taken from Net Premia Fund in 1950-51 ... | 3¼ per cent. | 19,646 10 0 | | 19,646 10 0 | 4,679 8 0 |
| 39 | Advance of Rs. 56,520-11-0 taken from K.E.M. Hospital and G.S.M. College Equipment Fund in 1950-51 | 3¼ per cent. | 45,927 10 0 | | 45,927 10 0 | 10,937 5 0 |
| 40 | Advance of Rs. 7,18,457-10-0 taken from Plant and Machinery Depreciation Fund in 1950-51 ... | 3¼ per cent. | 5,83,806 8 0 | | 5,83,806 8 0 | 1,39,027 4 0 |
| 41 | Advance of Rs. 395,820-3-6 taken from Net Premia Fund in 1951-52 ... | 3¾ per cent. ... | 3,95,820 3 6 | | 3,95,820 3 6 | 73,445 12 0 |
| 42 | Advance of Rs. 2,499-8-0 taken from Fire and Accident Insurance Fund in 1951-52 ... | 3¾ per cent. ... | 2,499 8 0 | | 2,499 8 0 | 464 4 0 |
| 43 | Advance of Rs. 36,349-2-0 taken from K.E.M. Hospital and G.S.M. College Research Fund in 1951-52 ... | 3¾ per cent. | 36,349 2 0 | | 36,349 2 0 | 6,744 15 0 |
| 44 | Advance of Rs. 94,121-13-0 taken from Hospital Fund in 1951-52 ... | 3¾ per cent. ... | 94,121 13 0 | | 94,121 13 0 | 17,465 7 0 |
| 45 | Advance of Rs. 64,531-2-0 taken from Slum Service fund in 1951-52 ... | 3¾ per cent. ... | 64,531 2 0 | | 64,531 2 0 | 11,974 1 0 |
| 46 | Advance of Rs. 40,399-0-0 taken from Garden Fund ... | 3¾ per cent. ... | 40,399 0 0 | | 40,399 0 0 | 7,497 1 0 |
| | Total ... | | 36,82,677 13 0 | | 36,82,677 13 0 | 8,14,318 7 0 |
| | Total Carried over ... | | 16,80,92,054 13 9 | 3,48,14,500 0 0 | 20,29,06,554 13 9 | 94,06,782 13 9 |

**No. 11—*contd.***

| Balance due on 31st March 1953. | Interest outstanding on 1st April 1952 | Interest payable in 1952-53 | Total Interest due. | Deduct-Interest paid by the Imperial Bank of India and in Office. | Outstanding Balance on 31st March 1953 |
|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 19,34,99,772 0 0 | 3,16,419 3 2 | 72,00,909 13 0 | 75,17,329 0 2 | 68,04,736 11 0 | 4,91,053 8 2<br>*2,21,538 13 0 |
| ... | ... | 192 5 0 | 192 5 0 | 192 5 0 | ... |
| ... | ... | 373 4 0 | 373 4 0 | 373 4 0 | |
| 35,443 9 0 | ... | 1,397 4 0 | 1,397 4 0 | 1,397 4 0 | ... |
| 20,494 9 0 | ... | 807 15 0 | 807 15 0 | 807 15 0 | ... |
| 3,654 14 0 | ... | 216 5 0 | 216 5 0 | 216 5 0 | ... |
| 17,776 8 0 | ... | 613 5 0 | 613 5 0 | 613 5 0 | ... |
| 2,820 3 0 | ... | 129 10 0 | 129 10 0 | 129 10 0 | ... |
| 20,901 0 0 | ... | 824 1 0 | 824 1 0 | 824 1 0 | |
| 33,436 10 6 | ... | 1,235 14 0 | 1,235 14 0 | 1,235 14 0 | ... |
| 22,171 14 0 | ... | 819 10 0 | 819 10 0 | 819 10 0 | |
| 74,802 6 0 | ... | 2,425 10 0 | 2,425 10 0 | 2,425 10 0 | |
| 57,358 5 0 | ... | 1,979 1 0 | 1,979 1 0 | 1,979 1 0 | |
| 68,108 15 6 | ... | 2,238 9 0 | 2,238 9 0 | 2,238 9 0 | |
| 99,153 5 6 | | 3,226 8 0 | 3,226 8 0 | 3,226 8 0 | |
| 44,461 3 0 | | 1,425 1 0 | 1,425 1 0 | 1,425 1 0 | |
| 32,785 10 0 | | 1,573 5 0 | 1,573 5 0 | 1,573 5 0 | |
| 42,163 5 0 | | 2,023 4 0 | 2,023 4 0 | 2,023 4 0 | |
| 76,978 11 0 | | 3,694 0 0 | 3,694 0 0 | 3,694 0 0 | |
| 1,43,099 8 0 | | 6,866 15 0 | 6,866 15 0 | 6,866 15 0 | |
| 2,05,367 12 0 | | 8,529 14 0 | 8,529 14 0 | 8,529 14 0 | |
| 31,594 2 0 | | 1,347 12 0 | 1,347 12 0 | 1,347 12 0 | |
| 2,18,013 1 0 | | 9,300 3 0 | 9,300 3 0 | 9,300 3 0 | |
| 1,190 3 0 | | 50 13 0 | 50 13 0 | 50 13 0 | |
| 26,753 4 0 | | 1,141 4 0 | 1,141 4 0 | 1,141 4 0 | |
| 5,28,877 8 0 | | 22,561 3 0 | 22,561 3 0 | 22,561 3 0 | |
| 50,087 0 0 | | 2,136 10 0 | 2,136 10 0 | 2,136 10 0 | |
| 14,967 2 0 | | 638 8 0 | 638 8 0 | 638 8 0 | |
| 34,990 5 0 | | 1,492 11 0 | 1,492 11 0 | 1,492 11 0 | |
| 4,44,779 4 0 | | 18,973 12 0 | 18,973 12 0 | 18,973 12 0 | |
| 3,22,374 7 6 | | 14,843 4 0 | 14,843 4 0 | 14,843 4 0 | |
| 2,035 4 0 | | 93 12 0 | 93 12 0 | 93 12 0 | |
| 29,604 3 0 | | 1,363 1 0 | 1,363 1 0 | 1,363 1 0 | |
| 76,656 6 0 | | 3,529 9 0 | 3,529 9 0 | 3,529 9 0 | |
| 52,557 1 0 | | 2,419 15 0 | 2,419 15 0 | 2,419 15 0 | |
| 32,901 15 0 | | 1,514 15 0 | 1,514 15 0 | 1,514 15 0 | |
| 28,68,359 6 0 | ... | 1,21,999 0 0 | 1,21,999 0 0 | 1,21,999 0 0 | |
| 19,34,99,772 0 0 | 3,16,419 3 2 | 72,00,909 13 0 | 75,17,329 0 2 | 68,04,736 11 0 | 4,19,053 8 2<br>*2,21,538 13 0 |

*To be treated as savings.

**Appendix**

| No. | Particulars of Loans. | Rate of Interest. | Balance due on 1st April 1952. | Amount raised in 1952-53. | Total. | Amount repaid in 1952-53. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | Total brought forward ... | | 16,80,92,054 13 9 | 3,48,14,500 0 0 | 20,29,06,554 13 9 | 94,06,782 13 9 |
| | Advances brought forward ... | | 36,82,677 13 0 | | 36,82,677 13 0 | 8,14,318 7 0 |
| 47 | Advance of Rs. 67,685-11-0 taken from Depreciation Fund 1951-52 for replacement of Plant and Machinery purchased out of Loan Funds ... | 3¾ per cent. ... | 67,685 11 0 | | 67,685 11 0 | 12,559 12 0 |
| 48 | Advance of Rs. 2,30,146-12-0 taken from Plant and Machinery Depreciation Fund in 1951-52 ... ... | 3¾ per cent. ... | 2,30,146 12 0 | | 2,30,146 12 0 | 42,701 8 0 |
| 49 | Advance of Rs. 43,583-8-0 taken from Precast Concrete slab Pavement Renewal Fund in 1951-52 ... | 3¾ per cent. ... | 43,583 8 0 | | 43,583 8 0 | 8,087 10 0 |
| 50 | Advance of Rs. 16,214-9-6 taken from K.E.M. Hospital and G.S.M. College Equipment Fund in 1951-52 ... | 3¾ per cent. ... | 16,214 9 6 | | 16,214 9 6 | 3,009 15 0 |
| 51 | Advance of Rs. 2,36,158-11-0 taken from Renewal of Road Surfaces Fund in 1951-52 ... | 3¾ per cent. ... | 2,36,158 11 0 | | 2,36,158 11 0 | 43,820 1 0 |
| 52 | Advance of Rs. 8,08,361-3-7 taken from Net Premia Fund in 1952-53 ... | 4 per cent. | ... | 8,08,361 3 7 | 8,08,361 3 7 | ... |
| 53 | Advance of Rs. 3,52,632-11-3 taken from Municipal Fire and Accident Insurance Fund in 1952-53 ... | 4 per cent. | ... | 3,52,682 11 3 | 3,52,682 11 3 | ... |
| 54 | Advance of Rs. 424-8-0 taken from K.E.M. Hospital and G. S. M. College Research Fund in 1952-53 ... | 4 per cent. | ... | 424 8 0 | 424 8 0 | ... |
| 55 | Advance of Rs. 4,12,789-3-0 taken from Hospital in 1952-53 ... | 4 per cent. | ... | 4,12,789 3 0 | 4,12,789 3 0 | ... |
| 56 | Advance of Rs. 16,505-14-0 taken from Slum Service Fund in 1952-53 ... | 4 per cent. | ... | 16,505 14 0 | 16,505 14 0 | ... |
| 57 | Advance of Rs. 43,220-15-0 taken from Garden Fund in 1952-53 ... | 4 per cent. | ... | 43,220 15 0 | 43,220 15 0 | ... |
| 58 | Advance of Rs. 81,088-8-0 taken from Depreciation Fund for replacement of Plant and Machinery in 1952-53 ... | 4 per cent. | ... | 81,088 8 0 | 81,088 8 0 | ... |
| 59 | Advance of Rs. 5,42,539-14-0 taken from Plant and Machinery Depreciation Fund in 1952-53 ... | 4 per cent. | ... | 5,42,539 14 0 | 5,42,539 14 0 | ... |
| 60 | Advance of Rs. 26,504-4-0 taken from Precast Concrete Slabs Pavement Renewal Fund in 1952-53 ... | 4 per cent. | ... | 26,504 4 0 | 26,504 4 0 | ... |
| 61 | Advance of Rs. 68,874-4-0 taken from K. E. M. Hospital and G. S. M. College Equipment Fund in 1952-53 ... | 4 per cent. | ... | 68,874 4 0 | 68,874 4 0 | ... |
| 62 | Advance of Rs. 1,90,955-1-6 taken from Renewal of Road Surfaces Fund in 1952-53 ... | 4 per cent. | ... | 1,90,955 1 6 | 1,90,955 1 6 | ... |
| | Total ... | | 42,76,467 0 6 | 25,43,946 6 4 | 68,20,413 6 10 | 9,24,497 5 0 |
| | **Advances from Net Premia Fund for meeting expenditure on Renewal of Road Surface for which no provision exists in the Renewal of Road Surfaces Fund—** | | | | | |
| 63 | Advance of Rs. 31,200 taken in 1940-41 ... | 3 per cent. | 9,708 8 0 | | 9,708 8 0 | 2,322 12 0 |
| 64 | Advance of Rs. 33,800 taken in 1941-42 ... | 3 per cent. | 12,970 2 0 | | 12,970 2 0 | 2,441 14 0 |
| 65 | Advance of Rs. 26,072-10-0 taken in 1943-44 | 3 per cent. | 13,607 2 0 | | 13,607 2 0 | 1,775 13 0 |
| 66 | Advance of Rs. 38,571-7-0 taken in 1944-45 | 3 per cent. | 22,680 9 0 | | 22,680 9 0 | 2,550 9 0 |
| 67 | Advance of Rs. 94,206-7-0 taken in 1945-46 | 3 per cent. | 61,432 4 0 | | 61,432 4 0 | 6,050 1 0 |
| 68 | Advance of Rs. 41,427-6-0 taken in 1946-47 | 3 per cent. | 36,196 14 0 | | 36,196 14 0 | 1,142 1 0 |
| 69 | Advance of Rs. 2,10,957-8-0 taken in 1947-48 | 3 per cent. | 1,63,512 11 0 | | 1,63,512 11 0 | 12,766 10 0 |
| 70 | Advance of Rs. 6962-3-0 taken in 1948-49 | 3 per cent. | 5,802 11 0 | | 5,802 11 0 | 409 14 0 |
| 71 | Advance of Rs. 69-4-0 taken in 1949-50 | 3 per cent. | 61 4 0 | | 61 4 0 | 4 3 0 |
| 72 | Advance of Rs. 5,83,395-13-0 taken in 1950-51 ... | 3¾ per cent. | 5,52,598 2 0 | | 5,52,598 2 0 | 31,798 9 0 |
| 73 | Advances of Rs. 2,04,259-8-0 taken in 1951-52. ... | 3¾ per cent. | 2,04,259 8 0 | | 2,04,259 8 0 | 10,392 4 0 |
| 74 | Advance of Rs. 1,24,962-0-0 taken in 1952-53. | 4 per cent. | ... | 1,24,962 3 0 | 1,24,962 3 0 | ... |
| | Total ... | | 10,82,829 11 0 | 1,24,962 3 0 | 12,07,791 14 0 | 71,654 10 0 |
| | **Advance from Net Premia Fund for the purchase of Indian Military Hospital at Dharavi** | | | | | |
| 75 | Advance of Rs. 1,99,448-12 taken in 1947-48 | 3 per cent. | 1,26,659 13 0 | | 1,26,659 13 0 | 19,582 1 0 |
| 76 | Advance of Rs. 1,11,105-4 taken in 1948-49 | 3 per cent. | 81,148 11 0 | | 81,148 11 0 | 10,690 8 0 |
| 77 | Advance of Rs. 1,85,903-15-6 taken in 1949-50 | 3 per cent. | 1,52,983 11 6 | | 1,52,983 11 6 | 17,204 8 0 |
| 78 | Advance of Rs. 45,012-3-0 taken in 1950-51 | 3¼ per cent. | 41,130 1 0 | | 41,130 1 0 | 4,008 4 0 |
| 79 | Advance of Rs. 1028-11-0 taken in 1951-52 | 3 per cent. | 1,028 11 0 | | 1,028 11 0 | 87 7 0 |
| | | | 4,02,950 15 6 | ... | 4,02,950 15 6 | 51,572 12 0 |
| | Total Advances from Special Funds ... | | 57,62,247 11 0 | 26,68,908 9 4 | 84,31,156 4 4 | 10,47,724 11 0 |
| | Grand Total ... | | 17,38,54,302 8 9 | 3,74,83,408 9 4 | 21,13,37,711 2 1 | 1,04,54,507 8 9 |

T. V. DORAISWAMY,
*Chief Accountant.*

**No. 11—(*Concld.*)**

| Balance due on 31st March 1953. | Interest outstanding on 1st April 1952. | Interest payable in 1952-53. | Total Interest due. | Deduct-Interest paid by the Imperial Bank of India and in Office. | Outstanding Balance on 31st March 1953. |
|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | | | | | 4,91,053 8 2 |
| 19,34,99,772 0 0 | 3,16,419 3 2 | 72,00,909 13 0 | 75,17,329 0 2 | 68,04,736 11 0 | *2,21,538 13 0 |
| 28,68,359 6 0 | ... ... | 1,21,999 0 0 | 1,21,999 0 0 | 1,21,999 0 0 | ... |
| 55,125 15 0 | | 2,538 4 0 | 2,538 4 0 | 2,538 4 0 | |
| 1,87,445 4 0 | | 8,630 8 0 | 8,630 8 0 | 8,630 8 0 | |
| 35,495 14 0 | | 1,634 6 0 | 1,634 6 0 | 1,634 6 0 | |
| 13,204 10 6 | | 608 1 0 | 608 1 0 | 608 1 0 | |
| 1,92,338 10 0 | | 8,855 15 0 | 8,855 15 0 | 8,855 15 0 | |
| 8,08,361 3 7 | | | | | |
| 3,52,682 11 3 | | | | | |
| 424 8 0 | | | | | |
| 4,12,789 3 0 | | | | | |
| 16,505 14 0 | | | | | |
| 43,220 15 0 | | | | | |
| 81,088 8 0 | | | | | |
| 5,42,539 14 0 | | | | | |
| 26,504 4 0 | | | | | |
| 68,874 4 0 | | | | | |
| 1,90,955 1 6 | | | | | |
| 58,95,916 1 10 | | 1,44,266 2 0 | 1,44,266 2 0 | 1,44,266 2 0 | |
| 7,385 12 0 | | 291 4 0 | 291 4 0 | 291 4 0 | ... |
| 10,528 4 0 | | 389 2 0 | 389 2 0 | 389 2 0 | ... |
| 11,831 5 0 | | 408 3 0 | 408 3 0 | 408 3 0 | ... |
| 20,130 0 0 | | 680 7 0 | 680 7 0 | 680 7 0 | ... |
| 55,382 3 0 | | 1,842 15 0 | 1,842 15 0 | 1,842 15 0 | ... |
| 35,054 13 0 | | 1,085 15 0 | 1,085 15 0 | 1,035 15 0 | ... |
| 1,50,746 1 0 | | 4,905 6 0 | 4,905 6 0 | 4,905 6 0 | |
| 5,392 13 0 | | 174 2 0 | 174 2 0 | 174 2 0 | |
| 57 1 0 | | 1 13 0 | 1 13 0 | 1 13 0 | |
| 5,20,799 9 0 | | 17,959 7 0 | 17,959 7 0 | 17,959 7 0 | |
| 1,93,867 4 0 | | 7,659 12 0 | 7,659 12 0 | 7,659 12 0 | ... |
| 1,24,962 3 0 | | | | | |
| 11,36,137 4 0 | | 35,398 6 0 | 35,398 6 0 | 35,398 6 0 | ... |
| 1,07,077 12 0 | | 3,799 15 0 | 3,799 15 0 | 3,799 15 0 | |
| 70,458 3 0 | | 2,334 8 0 | 2,334 8 0 | 2,334 8 0 | |
| 1,35,779 3 6 | | 4,589 8 0 | 4,589 8 0 | 4,589 8 0 | ... |
| 37,121 13 0 | | 1,336 12 0 | 1,336 12 0 | 1,336 12 0 | |
| 941 4 0 | | 38 9 0 | 38 9 0 | 38 9 0 | ... |
| 3,51,378 3 6 | ... | 12,099 4 0 | 12,099 4 0 | 12,099 4 0 | ... |
| 73,83,431 9 4 | | 1,91,763 12 0 | 1,91,763 12 0 | 1,91,763 12 0 | |
| 20,08,83,203 9 4 | 3,16,419 3 2 | 73,92,673 9 0 | 77,09,092 12 2 | 69,96,500 7 0 | 4,91,053 8 2<br>*2,21,538 13 0 |

* To be treated as savings.

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 12

## WATER WORKS ACCOUNT

### *Revenue Account for the year ended 31st March 1953*

| INCOME. | Rs. | EXPENDITURE. | Rs. |
|---|---|---|---|
| Water Tax and other Miscellaneous Water Works Revenue—*Vide* details in Appendix —No. 3) ... 1,80,13,552<br>This includes Rs. 1,17,45,434 being the amount of Water Tax by measurement, realised during 1952-53 as shown in the following statement:— | | Maintenance (*vide* appendix No. 4) ... ... ... | 23,25,058 |
| | | Proportionate share of General Superintendence (1/8th Proportion of) ... | 3,08,635 |
| | | Assessment and Collection Charges (3/10th Proportion of) ... ... | 2,95,716 |
| | | Provident Fund and Pension, etc., charges ... ... ... | 2,30,683 |
| | | Dearness Allowance ... ... ... ... ... | 9,04,067 |
| | | New Works ... ... ... ... ... | 19,298 |
| | | Works out of Post War Reconstruction Fund ... ... ... | 16,551 |
| | | Income Tax on Income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction ... | 22,831 |
| | | Total, Expenditure ... | 41,22,839 |
| | | Surplus Carried down ... | 1,38,90,713 |
| Total Rs. ... | 1,80,13,552 | Total Rs. ... | 1,80,13,552 |

### *Net Revenue Account for the year ended 31st March 1953*

| | Rs. | | Rs. |
|---|---|---|---|
| Surplus brought down ... | 1,38,90,713 | Interest on Water Works Loans (Debt) | |
| | | *Due to Government*— | |
| | | Vehar Debt ... ... ... ... ... ... | 1,410 |
| | | Rs. 75 Lakhs out of 1½ Crores Loan ... ... ... ... | 17,583 |
| | | Rs. 65 Lakhs Loan for Tansa Triplication Scheme... ... ... | 41,739 |
| | | Rs. 2 Crores Loan for Major Development Works ... ... | 1,10,830 |
| | | Rs. 2½ Crores Loan for General Supervision, Water Works, etc. ... | 1,008 |
| | | Rs. 150 Lakhs Loan 1925-26 ... ... ... ... | 1,47,974 |
| | | | 3,20,544 |
| | | *Due to the Public*— | |
| | | Rs. 147 Lakhs Tansa Water Works Loan ... ... ... | 1,21,751 |
| | | Rs. 25 Lakhs Sewerage, etc., Works Loan ... ... ... | 1,253 |
| | | Rs. 70 Lakhs for Reduplication of the Tansa Main and other Auxiliary Works | 2,80,526 |
| | | Rs. 160 Lakhs for Improvement of water supply in Bombay ... ... | 9,42,111 |
| | | Rs. 31.43 Lakhs Loan ... ... ... ... ... | 19 |
| | | Rs. 37 Lakhs Loan ... ... ... ... ... | 2,070 |
| | | Rs. 40 Lakhs Loan ... ... ... ... ... | 76 |
| | | Rs. 24½ Lakhs Loan(1936-37) ... ... ... ... | 16,258 |
| | | Rs. 30 Lakhs Loan (1937-38) ... ... ... ... | 26,045 |
| | | Rs. 30 Lakhs Loan (1938-39) ... ... ... ... | 27,819 |
| | | Rs. 64 Lakhs Loan (1939-40) ... ... ... ... | 22,408 |
| | | Rs. 48 Lakhs Loan (1940-41) ... ... ... ... | 24,189 |
| | | Rs. 25 Lakhs Loan (1941-42) ... ... ... ... | 41,495 |
| | | Rs. 20 Lakhs Loan (1943-44) ... ... ... ... | 22,805 |
| | | Rs. 22 Lakhs Loan (1944-45) ... ... ... ... | 39,919 |
| | | Rs. 25 Lakhs Loan (1945-46) ... ... ... ... | 56,790 |
| | | Rs. 54 Lakhs Loan (1946-47) ... ... ... ... | 1,12,703 |
| | | Rs. 61 Lakhs Loan (1948-49) ... ... ... ... | 63,468 |
| | | Rs. 80 Lakhs Loan (1950-51) ... ... ... ... | 77,735 |
| | | Rs. 17.97 Lakhs Loan (1950-51) ... ... ... ... | 1,782 |
| | | Rs. 10 Lakhs Loan (1950-51) ... ... ... ... | 32,500 |
| | | Rs. 75 Lakhs Loan (1947-48) ... ... ... ... | 76,761 |
| | | Rs. 1.25 Crores Loan (1949-50) ... ... ... ... | 2,93,140 |
| | | Rs. 2 Crores Loan (1950-51) ... ... ... ... | 5,86,045 |
| | | Rs. 175 Lakhs Loan (1951-52) ... ... ... ... | 1,99,575 |
| | | Rs. 33 Lakhs Loan (1951-52) ... ... ... ... | 77,344 |
| | | Rs. 60 Lakhs Loan (1951-52) ... ... ... ... | 1,45,133 |
| | | Rs. 2,44,14,500 Loan (1952-53) ... ... ... ... | 1,78,296 |
| | | Rs. 69 Lakhs Loan (1952-53) ... ... ... ... | 34,177 |
| | | | 35,04,193 |
| | | *Advances from Special Funds*— | |
| | | Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ... | 215 |
| | | Rs. 3 Lakhs advance from Renewal of Road Surfaces Fund ... ... | 716 |
| | | Rs. 3,69 Lakhs advance from Net Premia Fund ... ... ... | 865 |
| | | Rs. 8 Lakhs from Net Premia Fund ... ... ... | 4,938 |
| | | Rs 3,81,662 from Municipal Fire and Accident Insurance Fund ... | 2,356 |
| | | Rs. 83,000 advance from Net Premia Fund ... ... ... | 77 |
| | | Rs. 2,16,600 from Net Premia Fund ... ... ... | 194 |
| | | Rs. 1,71,400 Do. do. ... ... ... | 115 |
| | | Rs. 40,100 Do. do. ... ... ... | 90 |
| | | Rs. 43,200 Do. do. ... ... ... | 93 |
| | | Rs. 27,100 Do. do. ... ... ... | 122 |
| | | Rs. 73,566 Do. do. ... ... ... | 385 |
| | | Rs. 89,537-4-6 Do. do. ... ... ... | 670 |
| | | Rs. 55,216-4-0 Do. do. ... ... ... | 461 |
| | | Rs. 1,08,567-5-0 Do. do. ... ... ... | 2,059 |
| | | Rs. 97,972-4 0 Do. do. ... ... ... | 1,406 |
| | | Rs. 93,034-13-6 Do. do. ... ... ... | 1,540 |
| | | Rs. 1,23,619-2-6 Do. do. ... ... ... | 3,225 |
| | | Rs. 2,98,378-9-0 Advance from Depreciation Fund for replacement of Plant & Machinery purchased out of Loan Funds ... ... | 101 |
| | | Rs. 43,215-8-0 Advance from K.E.M. Hospital & G.S.M. College Research Fund ... ... ... ... ... | 801 |
| | | Rs. 24,178-13-0 Advance from Net Premia Fund ... ... | 622 |
| | | Rs. 3,95,820-3-6 Advance from Net Premia Fund ... ... | 4,145 |
| | | Rs. 36 349-2-0 Advance from K. E. M. Hospital and G. S. M. College Research Fund ... ... ... ... | 310 |
| | | Rs. 67,685-11-0 Advance from Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Funds ... | 26 |
| | | | 25,532 |
| Carried forward ... | 1,38,90,713 | Carried forward ... | 38,50,269 |

## Appendix No. 12—*Concluded*

## WATER WORKS ACCOUNT

*Net Revenue Account for the year ended 31st March 1953*—concluded

| INCOME—*Concld.* | Rs. | EXPENDITURE—*concld.* | Rs. |
|---|---|---|---|
| Brought forward Rs.... | 1,38,90,713 | Brought forward ... | 38,50,269 |
| | | **Interest Accrued But Not Paid (on water works Debt).** | |
| | | Accrued Interest on Rs. 1.75 Crores Loan (1951-52) ... ... | 1,00,204 |
| | | Do Rs. 61 Lakhs Loan (1948-49) ... ... | 5,289 |
| | | Do. Rs. 10 „ „ (1950-51) ... | 954 |
| | | | 1,06,447 |
| | | Commission to the Imperial Bank of India for payment of Interest on the Water Works portion of the different Loans ... ... ... | 12,669 |
| | | Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ... | 1,291 |
| | | Reduction of debt or investment of Sinking Fund of the following Water Works Loans:— | 13,960 |
| | | Vehar Debt ... ... ... ... ... ... | 83,756 |
| | | Tansa Water Works Loan of Rs. 147 Lakhs ... ... ... | 5,86,040 |
| | | 70 Lakhs Loan for Reduplication of the Tansa Main and other Auxiliary Works | 78,045 |
| | | 1½ Crores Loan for Drainage, Water, etc., Works (2nd instalment) ... | 3,34,119 |
| | | 65 Lakhs Loan for Tansa Triplication Scheme ... ... ... | 3,87,342 |
| | | 2 Crores Loan for Major Development Works ... ... ... | 5,82,058 |
| | | 160 Lakhs Loan for improvement of the water supply in Bombay ... ... | 2,85,280 |
| | | 2½ Crores Loan for General Supervision, Water Works, etc., purposes ... | 9,356 |
| | | 150 Lakhs Loan 1925-26 ... ... ... ... | 5,74,672 |
| | | 25 Lakhs Loan 1927-28 ... ... ... ... ... | 485 |
| | | 37 Lakhs Loan ... ... ... ... ... ... | 800 |
| | | 24½ Lakhs Loan (1936-37) ... ... ... ... ... | 11,392 |
| | | 9 Lakhs Loan ... ... ... ... ... ... | 2,954 |
| | | 30 Lakhs Loan (1937-38) ... ... ... ... ... | 18,248 |
| | | 30 Lakhs Loan (1938-39) ... ... ... ... ... | 19,492 |
| | | 64 Lakhs Loan (1939-40) ... ... ... ... ... | 15,702 |
| | | 48 Lakhs Loan of (1940-41) ... ... ... ... ... | 14,526 |
| | | 25 Lakhs Loan of (1941-42) ... ... ... ... ... | 24,919 |
| | | 20 Lakhs Loan of (1943-44) ... ... ... ... ... | 13,695 |
| | | 22 Lakhs Loan of (1944-45) ... ... ... ... ... | 23,975 |
| | | 25 Lakhs Loan of (1945-46) ... ... ... ... ... | 34,109 |
| | | 54 Lakhs Loan (1946-47) ... ... ... ... ... | 78,965 |
| | | 75 Lakhs Loan of (1947-48) ... ... ... ... ... | 47,423 |
| | | 61 Lakhs Loan (1948-49) ... ... ... ... ... | 44,469 |
| | | 88,14,500 out of 1.25 Crores (1949-50) ... ... ... ... | 1,85,275 |
| | | Rs. 2 Crores Loan (1950-51) ... ... ... ... ... | 9,57,854 |
| | | Rs. 80 Lakhs Loan Rs. (1950-51)... ... ... ... ... | 50,274 |
| | | Rs. 17.97 Lakhs Loan (1950-51) ... ... ... ... | 5,183 |
| | | Rs. 10 Lakhs Loan (1950-51) ... ... ... ... ... | 18,936 |
| | | Rs. 1.75 34,000 Loan (1951-52) ... ... ... ... | 2,90,570 |
| | | Rs. 33 Lakhs Loan (1951-52) ... ... ... ... | 1,77,432 |
| | | Rs. 60 Lakhs Loan (1951-52) ... ... ... ... | 2,08,090 |
| | | 8½ Lakhs Advance from Plant and Machinery Depreciation Fund... ... | 343 |
| | | 3 Lakhs Advance from Renewal of Road Surfaces Fund ... ... | 1,075 |
| | | 3.69 Lakhs Advance from Net Premia Fund ... ... ... | 1,180 |
| | | Rs. 8 Lakhs Advance from Net Premia Fund ... ... ... | 18,508 |
| | | Rs. 3,81,662 Advance from Municipal Fire and Accident Insurance Fund ... | 8,830 |
| | | 83,000 Advance from Net Premia Fund ... ... ... ... | 2,566 |
| | | 2,16,600 Advance from Net Premia Fund ... ... ... ... | 1,544 |
| | | 1,71,400 „ „ „ ... ... ... ... | 915 |
| | | 40,100 „ „ „ ... ... ... ... | 1,486 |
| | | 43,200 „ „ „ ... ... ... ... | 403 |
| | | 27,100 „ „ „ ... ... ... ... | 1,834 |
| | | 73,566 „ „ „ ... ... ... ... | 3,068 |
| | | 89,537-4-6 „ „ „ ... ... ... ... | 4,210 |
| | | 55,216-4-0 „ „ „ ... ... ... ... | 2,899 |
| | | 1,08,567-5-0 „ „ „ ... ... ... ... | 5,137 |
| | | 97,272-4-0 „ „ „ ... ... ... ... | 6,120 |
| | | 93,034-13-6 „ „ „ ... ... ... ... | 4,478 |
| | | 1,23,619-2-6 „ „ „ ... ... ... ... | 8,393 |
| | | 2,98,378-9-0 Advance from Depreciation Fund for replacement of Plant and Machinery Purchased out of Loan Funds ... ... | 441 |
| | | 43,215-8-0 Advance from K.E.M. Hospital and G.S.M. College Research Fund... ... ... ... ... ... | 5,866 |
| | | 24,178-13-0 Advance from Net Premia Fund ... ... ... | 4,561 |
| | | Rs. 3,95,820-3-6 Advance from Net Premia Fund ... ... | 20,512 |
| | | Rs. 36,349-2-0 Advance from K. E. M. Hospital and G. S. M. College Fund ... ... ... ... ... ... | 1,535 |
| | | Rs. 67,685-11-0 Advance from Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Funds ... ... | 126 |
| | | | 52,71,466 |
| | | *Surplus*— Total Debt Charges ... ... | 92,42,142 |
| | | Excess of Income over Expenditure ... ... ... | 46,48,571 |
| Total Rs. ... | 1,38,90,713 | Total Rs. ... | 1,38,90,713 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

(Supplementary to Appendix 12)

*Statement showing the quantity of water by meter supplied under different Sub-heads and the Water Tax by measurement realized at different rates for the uniform quantity of 1,000 gallons, as required by Corporation Resolution No. 6570 of 15th February 1912.*

| PARTICULARS. | 1947-48. | | 1948-49. | | 1949-50. | | 1950-51. | | 1951-52 | | 1952-53 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Gallons. | Amount | Gallons. | Amount. | Gallons. | Amount. | Gallons. | Amount. | Gallons. | Amount. | Gallons. | Amount. |
| 1 Hotels ... | 11,94,59,466 | Rs. a. p.<br>Rs. 1 0 0<br>1,18,954 5 0<br>Rs. 1 8 0 | 14,76,47,833 | Rs. a. p.<br>Rs. 1 0 0<br>1,46,239 2 0<br>Rs. 1 1 0 | 16,18,47,730 | Rs. a. p.<br>Rs. 1 0 0<br>1,61 848 2 0<br>Rs. 1 1 0 | 16,67,35,422 | Rs. a. p.<br>Rs. 1 0 0<br>1,66,507 0 0<br>Rs. 1 1 0 | 20,78,16,871 | Rs. a. p.<br>Rs. 1 2 0<br>2,13,143 11 0<br>Rs. 1 4 0 | 21,78,65,180 | Rs. a. p.<br>Rs. 1 2 0<br>2,36,078 9 0<br>Rs. 1 4 0 |
| 2 Cotton Factories ... | 3,18,81,24,228 | 33,94,134 15 0<br>Rs. 1 0 0 | 3,13,87,10,742 | 27,61,633 1 0<br>Rs. 1 0 0 | 3,15,36,48,462 | 33,10,192 11 0<br>Rs. 1 0 0 | 2,54,77,63,886 | 27,01,895 0 0<br>Rs. 1 0 0 | 3,42,60,57,747 | 38,77,633 2 0<br>Rs. 1 2 0 | 3,18,39,53,901 | 38,24,189 7 0<br>Rs. 1 2 0 |
| 3 Flour Mills ... | 44,99,000 | 4,499 0 0<br>Rs. 1 0 0 | 46,17,935 | 4,547 11 0<br>Rs. 1 0 0 | 29,04,000 | 2,904 0 0<br>Rs. 1 0 0 | 29,08,300 | 2,908 5 0<br>Rs. 1 0 0 | 2,90,180 | 290 3 0<br>Rs. 1 2 0 | 6,62,370 | 745 3 0<br>Rs. 1 2 0 |
| 4 Other Factories ... | 74,70,01,776 | 7,19,667 14 0<br>@ As. 10 0 | 77,85,65,987 | 7,72,314 0 0<br>@ As. 10 0 | 76,56,10,149 | 7,56,723 0 0<br>@ As. 10 0 | 92,01,22,266 | 9,19,805 3 0<br>@ As. 10 0 | 1,01,93,07,851 | 10,77,322 4 0<br>@ As. 12 0 | 99,38,23,309 | 11,23,948 1 0<br>@ As. 12 0 |
| 5 Milch Cattle Stables ... | 22,29,86,229 | 1,39,385 2 0<br>@ As. 10 0 | 17,94,93,357 | 1,12,183 14 0<br>@ As. 10 0 | 19,21,72,208 | 1,19,732 10 0<br>@ As. 10 0 | 15,42,43,667 | 96,401 8 0<br>@ As. 10 0 | 9,42,08,200 | 60,935 10 0<br>@ As. 12 0 | 5,68,04,970 | 40,709 1 0<br>@ As. 12 0 |
| 6 Government Properties (a) ... | 1,09,82,17,290 | 6,51,002 11 0<br>@ As. 10 0 | 1,38,49,28,450 | 8,64,834 2 6<br>@ As. 10 0 | 1,22,40,24,500 | 7,64,954 12 0<br>@ As. 10 0 | 1,27,81,78,250 | 7,99,581 14 0<br>@ As. 10 0 | 1,25,53,13,260 | 8,29,588 5 6<br>@ As. 12 0 | 1,09,55,06,910 | 8,07,268 9 0<br>@ As. 12 0 |
| 7 Railways ... | 94,00,17,500 | 5,86,856 9 0<br>Rs. 2 0 0 | 72,63,34,900 | 4,54,613 11 0<br>Rs. 2 0 0 | 73,78,14 900 | 4,61,134 5 0<br>Rs.2 0 0 | 79,06,59,600 | 4,94,162 4 0<br>Rs. 2 0 0 | 74,33,70,000 | 4,64,606 4 0<br>Rs. 2 0 0 | 1,03,42,45,560 | 7,69,181 6 0<br>Rs. 2 0 0 |
| 8 Port Trust ... | 84,07,10,315 | 16,80,913 2 0<br>At different rates. | 77,76,96,700 | 15,55,393 6 0<br>At different rates. | 93,11,49,170 | 18,62,298 5 0<br>At different rates. | 86,95,13,910 | 17,22,919 14 0<br>At different rates | 80,74,43,950 | 14,96,461 2 0<br>At different rates. | 93,32,46,490 | 17,46,801 2 0<br>At different rates. |
| 9 Suburbs (b) ... | 1,41,25,97,048 | 6,72,514 15 0<br>At different rates. | 2,01,12,41,425 | 10,21,671 1 0<br>At different rates. | 1,79,57,98,330 | 9,09,925 0 0<br>At different rates. | 33,21,76,000 | 1,95,158 8 0<br>At different rates. | 1,61,52,28,490 | 8,55,293 9 0<br>At different rates. | 37,22,87,160 | 2,70,296 6 0<br>At different rates. |
| 10 Miscellaneous(c) | 1,03,91,41,950 | 9,31,849 1 0 | 1,11,17,55,941 | 8,92,654 10 0 | 1,07,87,84,229 | 8,66,876 11 0 | 1,10,44,53,202 | 9,98,063 14 0 | 1,23,75,69,476 | 11,38,079 13 0<br>@ As. 6 0 | 1,93,94,26,883 | 16,07,321 5 0<br>@ As. 6 0 |
| 11 Merged area ... | ... | ... | ... | ... | ... | ... | ... | ... | 80,00,00,067 | 3,00,000 0 0 | 3,03,48,10,000 | 13,18,895 1 0 |
| Total | 9,61,27,54,802 | 88,99,777 10 0 | 10,26,09,93,270 | 85,86,075 10 6 | 10,04,37,53,678 | 92,16,589 8 0 | 8,16,67,54,503 | 80,97,403 6 0 | 11,20,66,06,092 | 1,02,73,353 15 6 | 12,86,26,32,733 | 1,17,45,434 2 0 |

(a) The rates charged are in accordance with the Water Rules for the respective years.
(b) The rates charged are Annas 8 to Annas 12 per 1,000 gallons.
(c) The rates charged vary from Annas 12 to Rs. 2.

# Appendix No. 12-A. WATER WORKS ACCOUNT.

*Schedule of Liabilities and Assets at 31st March 1953.*

| LIABILITIES. | Rs. | ASSETS. | Rs. |
|---|---|---|---|
| I.—DEBT PRINCIPAL— | | I.—PROPERTIES— | |
| *Due to Government—* | | | |
| 2½ Crores Loan ... ... ... | 9,849 | | |
| 65 Lakhs Loan for Tansa Triplication Scheme ... ... ... | 4,07,639 | Water Works executed out of Loan, Surplus and Reserve Funds (*vide* Appendix No. 8) | |
| 2 Crores Loan for Major Development Works ... ... | 15,75,154 | | |
| 150 Lakhs Loan (1925-26) ... ... ... ... | 23,37,289 | Out of Loan Reserve Funds— | |
| Total ... | 43,29,981 | | |
| *Due to the Public—* | | Ordinary Works ... ... | 13,83,01,613 |
| Tansa Water Works Loan of 147 Lakhs ... ... ... | 2,95,500 | | |
| Water Works portion of the 25 Lakhs Loan for Sewerage, Roads and other Works ... ... ... ... ... | 93 | Tansa Completion Works ... | 4,99,46,291 |
| 70 Lakhs Loan for the Reduplication of the Tansa Main and other Auxiliary Works ... ... ... ... ... | 69,90,737 | Works executed out of Worn-out Water Mains Renewal Fund ... ... | 9,64,526 |
| 160 Lakhs Loan for the improvement of the water-supply in Bombay ... | 1,60,00,000 | Plant and Machinery Rs. 12,39,899 | |
| Water Works portion of the 25 Lakhs Loan (1927-28) ... ... | 25,060 | *Less*—Written off ... 3,10,560 | |
| Water Works portion of 37 Lakhs Loan ... ... ... | 38,620 | | 9,29,339 |
| Water Works portion of 40 Lakhs Loan (1928-29) ... ... | 945 | | |
| Water Works portion of 9 Lakhs Loan ... ... ... | 1,40,534 | | |
| Water Works portion of 24½ Lakhs Loan (1936-37) ... ... | 5,36,517 | | |
| Water Works portion of 30 Lakhs Loan (1937-38) ... ... | 8,59,545 | | |
| Water Works portion of 30 Lakhs Loan(1938-39) ... ... | 9,18,028 | | |
| Water Works portion of 64 Lakhs Loan (1939-40) ... ... | 7,39,529 | | |
| Water Works portion of 48 Lakhs Loan (1940-41) ... ... | 6,84,174 | | |
| Water Works portion of 25 Lakhs Loan (1941-42) ... ... | 11,73,642 | | |
| Water Works portion of 20 Lakhs Loan (1943-44) ... ... | 6,41,738 | | |
| Water Works portion of 22 Lakhs Loan.(1944-45) ... ... | 11,23,417 | | |
| Water Works portion of 25 Lakhs Loan (1945-46) ... ... | 15,98,174 | | |
| Water Works portion of 54 Lakhs Loan. (1946-47) ... ... | 37,00,402 | | |
| Water Works portion of 75 Lakhs Loan. (1947-48) ... ... | 21,96,613 | | |
| Water Works portion of 61 Lakhs Loan. 1948-49) ... ... | 20,83,871 | | |
| Water Works portion of 125 lakhs loan (1949-50) ... ... | 85,15,315 | | |
| Water Works portion of 2 Crores Loan (1950-51) ... ... | 1,73,05,906 | | |
| Water Works portion of 17.97 Lacs Loan ... ... | 58,521 | | |
| Water Works portion of 80 Lacs Loan ... ... | 23,55,959 | | |
| Water Works portion 10 lacs Loan ... ... ... | 3,40,742 | | |
| Water Works portion of Rs. 1,75,34,000 Loan out of Rs. 420 lacs Loan | 1,71,64,431 | | |
| Water Works portion of Rs. 33 lacs Loan out of Rs. 420 lacs Loan... | 32,29,875 | | |
| Water Works portion of Rs. 60 lacs Loan ... ... ... | 20,87,824 | | |
| Water Works portion of Rs. 2,44,14,5000 Loan (1952-53) ... | 2,20,33,462 | | |
| Water Works portion of 69 Lakhs Loan (1952-53) ... ... | 6,15,175 | | |
| | 11,34,54,349 | | |
| *Advances from Special Funds—* | | | |
| Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ... | 3,959 | | |
| Rs. 3 Lakhs Advance from Renewal of Road Surfaces Fund ... | 16,813 | | |
| Rs. 3.69 Lakhs Advance from Net Premia Fund ... ... | 20,440 | | |
| Rs. 8 Lakhs Advance from Net Premia Fund ... ... | 1,46,076 | 3. Imperial Bank of India—Net Premia on different Municipal Loans Deposit Account (*vide* note* to Appendix No. 6) ... | 32,65,857 |
| Rs. 3,81,662 Lakhs Advance from Municipal Fire and Accident Insurance Fund ... ... ... ... ... | 69,689 | | |
| | 2,56,977 | | |
| Rs. 2,16,600 Advance from Net Premia Fund for purchase of Plant and Machinery ... ... ... ... ... | 4,935 | | |
| Rs. 1,71,400 Advance from Net Premia Fund for purchase of Plant and Machinery ... ... ... ... ... | 2,909 | | |
| Rs. 40.100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1940-41 ... ... ... ... | 1,523 | | |
| Rs. 43.200 Advance from Net Premia Fund for purchase of Plant and Machinery in 1941-42... ... ... ... ... | 2,693 | | |
| Rs. 27,100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1942-43 ... ... ... ... | 2,655 | | |
| Rs. 73,566 Advance from Net Premia Fund for purchase of Plant and Machinery in 1943-44 ... ... ... ... | 9,769 | | |
| Rs. 89,537-4-6 Advance from Net Premia Fund for pnrchase of Plant and Machinery in 1944-45 ... ... ... ... | 18,141 | | |
| Rs. 55,216-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1945-46. | 12,466 | | |
| Rs. 1,08,567-5-0 advance from Net premia Fund for purchase of Plant and Machinary in 1946-47 ... ... ... ... | 63,509 | | |
| Rs. 97,972-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1947-48 ... ... ... ... | 40,759 | | |
| Rs. 93,034-13-6 Advance from Net Premia Fund for purchase of Plant of Plant and Machinery in 1948-49 ... ... ... | 46,845 | | |
| Rs 1,23,619-2-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1949-50. ... | 99,100 | | |
| Rs. 24,178-13-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1950-51 ... ... ... | 14,587 | | |
| Rs. 43,215-8-0 Advance for K.E.M. Hospital and G.S.M. Collage Research Fund for purchase of Plant and Machinery in 1950-51 ... ... ... ... | 18,769 | | |
| Rs. 2,98,378-9-0 Advance from Depreciation Fund for replacement of Plant and Machinery in 1950-51 ... ... ... | 2,195 | | |
| Rs. 3,95,820-3-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1951-52... ... ... ... | 1,24,650 | | |
| Rs. 36,349-2-0 Advance from K.E.M. Hospital and G.S.M. College Research Fund for Purchase of Plant and Machinery in 1951-52. ... | 26,299 | | |
| Rs. 67,685-11-0 Advance from Depreciation Fund for replacement of Plant and Machinary Purchased out of Loan Funds ... ... | 556 | | |
| Rs. 8,08,361-3-7 Advance from Net Premia Fund for purchase of Plant and Machinery in 1952-53 ... ... ... ... | 3,81,945 | | |
| Rs. 3,52,682-11-3 Advance from Municipal Fire and Accident Insurance Fund for purchase of Plant and Machinery in 1952 53 ... | 59,662 | | |
| Rs. 81,038-8-0 Advance from Depreciation Fund for replacement of Plant and Machinery in 1952-53 ... ... ... ... | 2,933 | | |
| | 9,36,900 | | |
| II.—SINKING FUNDS ON MUNICIPAL LOANS (invested as per contra) ... | 2,81,22,877 | 1. Imperial Bank of India—Municipal Loans Sinking Fund Deposit Account —(Water Works portion) ... | 2,81,22,877 |
| III.—SPECIAL FUNDS— | | | |
| Net Premia Fund (invested as per contra) ... ... ... | 32,65,857 | | |
| IV.—CAPITAL ACCOUNT— | | | |
| General Reserve being Assets in excess of Liabilities 7,08,53,002 | | | |
| *Less*—Assets Written off ... ... 3,10,560 | *7,11,63,562 | | |
| Total ... | 22,15,30,503 | Total ... | 22,15,30,503 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 13

## MARKETS AND SLAUGHTER HOUSES ACCOUNT

*Revenue Account for the year ended 31st March 1953*

| INCOME. | Rs. | EXPENDITURE. | Rs. |
|---|---|---|---|
| Income for the year—vide details in Appendix No. 3 ... ... | 36,08,808 | Maintenance Charges of—including Refrigerator charges vide Appendix No. 4)— | 10,30,388 |
| | | Provident Fund and Pension etc., charges ... ... ... | 54,313 |
| | | Proportion of General Supervision ... ... ... | 61,727 |
| | | Dearness Allowance ... ... ... ... | 3,21,423 |
| | | New Works out of Current Revenue ... ... ... | 27,350 |
| | | Works to be carried out of the P.W.R. Fund ... ... ... | 2,407 |
| | | Total Expenditure ... | 14,97,608 |
| | | Surplus carried down ... | 21,11,200 |
| | 36,08,808 | Total Rs. ... | 36,08,808 |

*Net Revenue Account for the year ended 31st March 1953*

| | Rs. | | Rs. |
|---|---|---|---|
| | | **Interest on Loans** | |
| | | *Due to Government—* | |
| | | Rs. 1½ Crores Loan ... ... ... ... ... | 272 |
| | | Rs. 140 Lakhs Loan ... ... ... ... ... | 3,107 |
| Surplus brought down ... | 21,11,200 | Rs. 2 Crores Loan ... ... ... ... ... | 8,393 |
| | | | 11,772 |
| | | *Due to public—* | |
| | | Rs. 24½ Lakhs Loan ... ... ... ... ... | 848 |
| | | Rs. 30 Lakhs Loan (1937-38) ... ... ... ... | 2,329 |
| | | Rs. 30 Lakhs Loan (1938-39) ... ... ... ... | 4,466 |
| | | Rs. 48 Lakhs Loan (1940-41) ... ... ... ... | 4,852 |
| | | Rs. 25 Lakhs Loan (1941-42) ... ... ... ... | 2,681 |
| | | Rs. 20 Lakhs Loan (1943-44) ... ... ... ... | 591 |
| | | Rs. 22 Lakhs Loan (1944-45) ... ... ... ... | 847 |
| | | Rs. 25 Lakhs Loan (1945-46) ... ... ... ... | 425 |
| | | Rs. 54 Lakhs Loan (1946-47) ... ... ... ... | 27 |
| | | Rs. 61 Lakhs Loan (1948-49) ... ... ... ... | 1,085 |
| | | Rs. 75 Lakhs Loan (1947-48) ... ... ... ... | 4,149 |
| | | Rs. 80 Lakhs Loan (1950-51) ... ... ... ... | 15,562 |
| | | Rs. 1,75,34,000 Loan (1951-52) ... ... ... ... | 12,662 |
| | | Rs. 60 Lakhs Loan (1951-52) ... ... ... ... | 3,086 |
| | | Rs. 2,44,14,500 Loan (1952-53) ... ... ... ... | 2,303 |
| | | Rs. 69 Lakhs Loan (1952-53) ... ... ... ... | 442 |
| | | | 56,355 |
| | | *Advance from Special Funds—* | |
| | | Rs. 8½ Lakhs from Plant and Machinery Depreciation Fund ... ... | 1,120 |
| | | Rs. 93,034-13-6 from Net Premia Fund for purchase of Plant & Machinery (1948-49) ... | 453 |
| | | Rs. 53,323-11-0 from Municipal Fire and Accident Insu. Fund ... | 1,425 |
| | | Rs. 80,908-13-0 Advance do. | 934 |
| | | Rs. 2 499-8-0 Advance from Municipal Fire and Accident Insurance Fund | 5 |
| | | Rs. 43,583-80- Advance from Pre-cast Concrete Slabs Pavement Renewal Fund ... ... ... ... ... | 824 |
| | | | 4,761 |
| | | | 72,888 |
| | | **Interest Accrued but not Paid** | |
| | | Accrued Interest on Rs. 2 Crores Loan (1950-51) ... | 6,358 |
| | | Accrued Interest on Rs. 61 Lakhs Loan (1948-49) ... ... | 90 |
| | | | 6,448 |
| | | Commission to the Imperial Bank of India for the payment of Interest on the portions of the different Loans ... ... ... | 100 |
| | | Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments... ... | 18 |
| | | | 118 |
| | | **Reduction of Debt or Investment of Sinking Fund** | |
| | | Rs. 24½ Lakhs Loan ... ... ... ... ... | 593 |
| | | Rs. 30 Lakhs Loan (1937-38) ... ... ... ... | 1,631 |
| | | Rs. 1½ Crores Loan ... ... ... ... ... | 5,166 |
| | | Rs. 140 Lakhs Loan ... ... ... ... ... | 52,281 |
| | | Rs. 2 Crores Loan ... ... ... ... ... | 53,253 |
| | | Rs. 30 Lakhs Loan (1938-39) ... ... ... ... | 3,129 |
| | | Rs. 48 Lakhs Loan (1940-41) ... ... ... ... | 2,914 |
| | | Rs. 25 Lakhs Loan (1941-42) ... ... ... ... | 1,609 |
| | | Rs. 20 Lakhs Loan (1943-44) ... ... ... ... | 355 |
| | | Rs. 22 Lakhs Loan (1944-45) ... ... ... ... | 509 |
| | | Rs. 25 Lakhs Loan (1945-46) ... ... ... ... | 255 |
| | | Rs. 54 Lakhs Loan (1946-47) ... ... ... ... | 19 |
| | | Rs. 61 Lakhs Loan (1948-49) ... ... ... ... | 760 |
| | | Rs. 75 Lakhs Loan (1947-48) ... ... ... ... | 2,563 |
| | | Rs. 80 Lakhs Loan (1950-51) ... ... ... ... | 10,064 |
| | | Rs. 1,75,34,000 Loan (1951-52) ... ... ... ... | 18,437 |
| | | Rs. 60 Lakhs Loan (1951-52) ... ... ... ... | 4,425 |
| | | Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ... | 1,788 |
| | | Rs 53,323-11-0 from Municipal Fire and Accident Insurance Fund ... | 3,042 |
| | | Rs. 93,034-13-6 advance from Net Premia Fund for purchase of Plant and Machinery (1948-49) ... | 1,320 |
| | | Rs. 80,908-13-0 Advance from Municipal Fire and Accident Insurance Fund. ... | 6,841 |
| | | Rs. 2,499-8-0 Advance from Municipal Fire and Accident Insurance Fund | 26 |
| | | Rs. 43,583-8-0 Advance from Pre-cast Concrete Slabs Pavement Renewal Fund ... ... ... ... | 1,396 |
| | | | 1,72,376 |
| | | Total Debt Charges ... | 2,51,830 |
| | | Surplus—Excess of Income over Expenditure ... | 18,59,370 |
| Total Rs. ... | 21,11,200 | Total Rs. ... | 21,11,200 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 14

## MUNICIPAL PRINTING PRESS

*Income and Expenditure for the year 1952-53*

| Expenditure. | | | Details. | Amount. | Income. | Details. | Amount. |
|---|---|---|---|---|---|---|---|
| | | | Rs. a. p. | Rs. a. p. | | Rs. | Rs. |
| Materials on hand and works in progress on 1st April 1952 Including amounts with the Reserve Bank of India | Rs. | ... | 4,48,921 11 9 | 4,48,921 11 9 | | | |
| Expenditure during the year— | | | | | | | |
| Establishment— | | | | | | | |
| (a) Permanent | ... | 51,268 1 1 | | | | | |
| (b) Allowances | | 20,541 12 4 | 71,809 13 5 | | | | |
| Labour | | ... | 2,97,226 8 5 | | | | |
| Materials | | ... | 4,23,952 2 3 | | | | |
| Work through outside Agencies | | ... | 9,205 1 6 | | Amount chargeable to the departments for work done ... | | 7,95,552 14 0 |
| Electric Power | | ... | 3,519 11 2 | | | | |
| Contingencies— | | | | | | | |
| Printing | ... | 2,910 3 9 | | | | | |
| Stationery | ... | 501 10 0 | | | | | |
| Books and Dead Stock | ... | 1,450 0 0 | | | | | |
| Lighting | ... | 1,720 9 0 | | | | | |
| Miscellaneous | ... | 6,668 0 0 | 13,250 6 9 | | | | |
| Repairs to Machinery | | ... | 6,606 5 1 | | Amount chargeable to the private parties for work done ... | | 16,413 1 0 |
| Rent | | ... | 4,044 2 0 | | | | |
| Provident Fund | ... | 18,917 13 0 | 18,917 13 0 | | | | |
| | | | | | Amount of sale of waste paper & Metal ash ... | | 3,096 2 0 |
| Debt charges— | | | | | | | |
| (1) Interest | ... | 35,917 7 6 | | | | | |
| (2) Repayment of capital | ... | 14,290 5 0 | 50,207 12 6 | | *Stock at close*— | | |
| Maintenance of delivery van | | ... | 915 7 6 | | | | |
| Supervision Charges of T. A. O. | | ... | 490 13 9 | 9,00,146 1 4 | Works in progress ... | 1,20,842 11 0 | |
| Private Works— | | | | | Materials on hand ... | 3,44,265 13 2 | |
| Labour | | ... | 8,613 15 0 | | | | 4,65,108 8 2 |
| Materials | | ... | 4,066 13 0 | | | | |
| Contingencies | | ... | 2,796 12 0 | | Deposit with Reserve Bank of India ... | | 87,344 8 0 |
| Proportionate share of T.A.O.'s Salary | | ... | 74 0 0 | 15,551 8 0 | | | |
| Difference representing surplus (1) Rs. 2,034-3-1 on departmental works and (2) Rs. 861-9-0 on private works transferred to revenue. | | | | 2,895 12 1 | | | |
| | | | | 13,67,515 1 2 | | | 13,67,515 1 2 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 14—A

## *Statement of Advance for 1952-53*

| Name of Account. | Opening Balance on 1st April 1952. | Debits during 1952-53. | Total. | Credits during 1952-53. | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| *Departmental Works—* | Rs. | Rs. | Rs. | Rs. | Rs. |
| Water Works ... | 1,16,939 | 1,36,848 | 2,53,787 | 60,137 | 1,93,650 |
| Printing Press ... | 7,09,726 | 9,00,146 | 16,09,872 | 7,47,985 | (*a*)8,61,887 |
| Workshops ... | 7,16,902 | 4,98,284 | 12,15,186 | 5,22,722 | 6,92,464 |
| Architectural Branch ... | 4,73,044 | 5,64,970 | 10,38,014 | 3,42,305 | 6,95,709 |
| Roads, Buildings and Drainage ... | 7,34,355 | 10,97,365 | 18,31,720 | 11,80,034 | 6,51,686 |
| Health Department ... | 11,915 | 13,755 | 25,670 | 18,545 | 7,125 |
| Total ... | 27,62,881 | 32,11,368 | 59,74,249 | 28,71,728 | 31,02,521 |
| *Private Works—* | | | | | |
| Workshops ... | 3,528 | 2,106 | 5,634 | 3,374 | 2,260 |
| Water Works ... | 3,42,685 | 82,268 | 4,24,953 | 61,413 | 3,63,540 |
| Roads, Buildings and Drainage ... | 4,37,987 | 5,06,852 | 9,44,839 | 5,17,930 | 4,26,909 |
| Architectural Branch ... | 3,876 | 1,526 | 5,402 | 1,202 | 4,200 |
| Health Department ... | 2,452 | ... | 2,452 | ... | 2,452 |
| Printing Press ... | 2,772 | 15,552 | 18,324 | 9,684 | 8,640 |
| House Numbering ... | 908 | 683 | 1,591 | ... | 1,591 |
| Total ... | 7,94,208 | 6,08,987 | 14,03,195 | 5,93,603 | 8,09,592 |
| *Asphalt Plant, Crushers, etc.—* | | | | | |
| Asphalt Plant ... | 2,87,076 | 7,56,866 | 10,43,942 | 6,76,264 | (*b*)3,67,678 |
| Sewri Crushers ... | 87,704 | 1,86,664 | 2,74,368 | 1,52,968 | (*c*) 1,21,400 |
| Mechanical Transport ... | 65,423 | 1,62,135 | 2,27,558 | 1,17,783 | (*d*) 1,09,775 |
| Worli Crushers ... | 1,28,093 | 2,47,417 | 3,75,510 | 2,19,042 | (*e*) 1,56,468 |
| Manufacture of Pre-cast Concrete Slabs ... | 16,684 | 5,955 | 22,639 | 4,817 | (*f*) 17,822 |
| Total ... | 5,84,980 | 13,59,037 | 19,44,017 | 11,70,874 | 7,73,143 |
| *Municipal Officers—* | | | | | |
| Dishonoured cheques ... | ... | 18,59,605 | 18,59,605 | 18,59,605 | ... |
| Standing advance for Contingent Expenses ... | 73,537 | 4,235 | 77,772 | 923 | 76,849 |
| Motor cars and motor cycles to officers ... | 96,536 | 74,500 | 1,71,036 | 39,957 | 1,31,079 |
| Cycle advances to Subordinates ... | 1,724 | ... | 1,724 | 1,155 | 569 |
| Total ... | 1,71,797 | 19,38,340 | 21,10,137 | 19,01,640 | 2,08,497 |
| Miscellaneous Advances ... | 20,17,280 | 12,22,838 | 32,40,118 | 15,37,760 | 17,02,358 |
| Improvements Schemes ... | 28 | ... | 28 | ... | 28 |
| Total ... | 20,17,308 | 12,22,838 | 32,40,146 | 15,37,760 | 17,02,386 |
| Municipal Contractors ... | 10,731 | 33,523 | 44,254 | 34,086 | 10,168 |
| Municipal Tenderers ... | 1,623 | 12,345 | 13,968 | 13,567 | 401 |
| Purchase of Coal ... | 737 | ... | 737 | 51 | 686 |
| Purchase of Petrol ... | 35,382 | 5,47,215 | 5,82,597 | 4,11,474 | 1,71,123 G |
| Total ... | 48,473 | 5,93,083 | 6,41,556 | 4,59,178 | 1,82,378 |
| Grand Total ... | 63,79,647 | 89,33,653 | 1,53,13,300 | 85,34,783 | 67,78,517 |

(*a*) Works in progress ... Rs. 1,20,843
Materials on hand ... 3,44,266
Outstanding Bills ... 3,09,434
Deposit with Reserve Bank of India 87,344
Total 8,61,887

| (*b*) | Rs. | (*c*) | Rs. | (*d*) | Rs. | (*e*) | Rs. | (*f*) | Rs. |
|---|---|---|---|---|---|---|---|---|---|
| Stock on hand | 1,54,508 | Stock on hand | 78,042 | Outstanding bills | 1,09,775 | Stock on hand | 79,879 | Stock on hand | 4,043 |
| Outstanding bills | 1,52,505 | Outstanding Bills | 14,527 | | | Outstanding bills | 47,938 | Outstanding bills | 21,841 |
| Unadjusted *Loss* | 60,665 | Unadjusted *Loss* | 28,831 | | | Unadjusted *Loss* | 28,651 | *Less* unadjusted Profit | —8,062 |
| Total | 3,67,678 | Total | 1,21,400 | Total | 1,09,775 | Total | 1,56,468 | Total | 17,822 |

| (*g*) | Rs. | Rs. |
|---|---|---|
| Outstanding Petrol and Diesel oil bills | 1,65,935 | |
| Stock in hand with M. E. Petrol | 10,224 | |
| Stock in hand Diesel oil | 578 | |
| | | 1,76,737 |
| *Less*—Stock received in 1952-53 paid in 1953-54 | | 5,614 |
| Total | | 1,71,123 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 14-B.

*Statement showing Advances out of Special Funds during 1952-53.*

| Name of Account. | Opening Balance on 1st April 1952. | Debits during 1952-53. | Total. | Credit during 1952-53. | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Charges to be met out of— | | | | | |
| Municipal Fire and Accident Insurance Fund ... ... ... | ... | 7,346 | 7,346 | 7,346 | ... |
| Net Premia Fund ... ... ... ... ... | | 1,397 | 1,397 | 1,397 | |
| Fines Fund ... ... ... ... ... ... | 954 | 97,545 | 98,499 | 98,196 | 303 |
| Garden Fund (a) Victoria Gardens ... ... ... ... | ... | 21,477 | 21,477 | 21,477 | ... |
| G. S. M. College and K. E. M. Hospital Research Fund ... ... | ... | 11,883 | 11,883 | 11,883 | ... |
| Renewal of Road Surfaces Fund ... ... ... ... | ... | 88,721 | 88,721 | 88,721 | ... |
| K.E. M. Hospital & G. S. M. College Equipment Fund ... ... | ... | 216 | 216 | 216 | ... |
| Welfare Fund ... ... ... ... | ... | 64,823 | 64,823 | 64,823 | ... |
| Advance from Plant and Machinery Depreciation Fund for— | | | | | |
| Purchases of Machinery, etc., pending adjustment against the provisions for depreciation in subsequent years ... ... ... | 2,92,417 | 1,80,028 | 4,72,445 | 4,65,379 | 7,066 |
| Advance from Plant and Machinery Depreciation Fund for Levelling Metalling etc., Private Streets ... ... ... ... | ... | 89,721 | 89,721 | Dr.2,79,062 | 3,68,783 |
| Advance from Net Premia Fund for purchase of Machinery for the Municipal Printing Press ... ... ... ... | 1,43,795 | ... | 1,43,795 | 3,724 | 1,40,071 |
| Advance from Net Premia Fund for Indian Military Hospital at Dharavi ... | 3,35,000 | ... | 3,35,000 | ... | 3,35,000 |
| Advances for Capital Works from— | | | | | |
| Municipal Fire and Accident Insurance Fund ... ... ... | 7,63,450 | 3,52,683 | 11,16,133 | 92,636 | 10,23,497 |
| Plant and Machinery Depreciation Fund ... ... ... | 16,14,087 | 5,42,540 | 21,56,627 | 2,69,522 | 18,87,105 |
| Renewal of Road Surfaces Fund ... ... ... ... | 11,07,850 | 1,90,955 | 12,98,805 | 1,52,173 | 11,46,632 |
| Net Premia Fund ... ... ... ... ... | 38,33,696 | 9,33,324 | 47,67,020 | 4,25,169 | 43,41,851 |
| Net Premia Fund for additions and alterations to Dharavi Hospital ... | 1,029 | ... | 1,029 | ... | 1,029 |
| Depreciation Fund for replacement of Plant & Machinery purchased out of Loan Fund ... ... ... ... ... | 5,21,432 | 81,089 | 6,02,521 | 1,17,839 | 4,84,682 |
| K. E. M. Hospital and G. S. M. College Research Fund ... ... | 71,465 | 425 | 71,890 | 15,108 | 56,782 |
| Advance from K. E. M. Hospital and G. S. M. College equipment Fund for purchase of Machinery for Municipal Printing Press ... | 62,142 | 68,874 | 1,31,016 | 13,947 | 1,17,069 |
| Slum Service Fund ... ... ... ... ... | 66,094 | 16,506 | 82,600 | 12,347 | 70,253 |
| Hospital Fund ... ... ... ... ... ... | 7,88,313 | 4,12,789 | 12,01,102 | 1,82,779 | 10,18,323 |
| Precast Concrete Slab Pavement Renewal Fund ... ... ... | 85,055 | 26,504 | 1,11,559 | 17,964 | 93,595 |
| Gardens Fund (a) Victoria Garden ... ... ... ... | 40,399 | 43,221 | 83,620 | 7,497 | 76,123 |
| Total Rs. ... | 97,27,178 | 32,32,067 | 1,29,59,245 | 17,91,081 | 1,11,68,164 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 14-C

## *Statement of Deposit Accounts for 1952-53*

| Name of Account. | Opening Balance on 1st April 1952. | Credits during 1952-53. | Total. | Debits during 1952-53. | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| A.—*Cash Deposits from Contractors, etc.*— | Rs. | Rs. | Rs. | Rs. | Rs. |
| (1) From Contractors ... ... ... ... ... | 17,96,997 | 12,19,389 | 30,16,386 | 12,96,873 | 17,19,513 |
| (2) From Tenderers ... ... ... ... ... | 9,19,660 | 22,62,155 | 31,81,815 | 22,31,194 | 9,50,621 |
| (4) Tendrersas on approved list ... ... ... ... | ... | 69,020 | 69,020 | ... | 69,020 |
| ... | 27,16,657 | 35,50,564 | 62,67,221 | 35,28,067 | 27,39,154 |
| *B.—Cash Deposits from private parties received through Departmental Officers*— | | | | | |
| (1) City Engineer ... ... ... ... ... | 19,44,511 | 10,36,138 | 29,80,649 | 6,46,412 | 23,34,237 |
| (2) Hydraulic Engineer ... ... ... ... | 12,44,331 | 5,00,803 | 17,45,134 | 4,09,705 | 13,35,429 |
| (3) Assessor and Collector ... ... ... | 25,63,627 | 1,42,59,062 | 1,68,22,689 | 1,54,32,547 | 13,90,142 |
| (4) Executive Health Officer ... ... ... | 2,07,772 | 2,86,085 | 4,93,857 | 1,09,428 | 3,84,429 |
| (5) Estate Agent and Land Manager— | | | | | |
| (*i*) Improvement Schemes ... ... ... | 18,85,501 | 7,05,206 | 25,90,707 | 4,40,279 | 21,50,428 |
| (*ii*) Municipal Properties ... ... ... | 5,63,932 | 3,42,131 | 9,06,063 | 1,34,114 | 7,71,949 |
| (6) Dean, (*i*) K. E. M. Hospital ... ... | 37,410 | 27,801 | 65,211 | 8,201 | 57,010 |
| Dean, (*ii*) G. S. M. College ... ... ... | 31,942 | 50,659 | 82,601 | 61,085 | 21,516 |
| Dean (iii) Municipal Group of Hospitals Sion ... | 28,566 | 1,04,437 | 1,33,003 | 1,15,505 | 17,498 |
| (7) Superintendent of Licences ... ... ... | 5,55,441 | 4,70,821 | 10,26,262 | 4,49,109 | 5,77,153 |
| (8) Superintendent of Markets ... ... ... | 57,974 | 1,35,877 | 1,93,851 | 74,111 | 1,19,740 |
| (9) Controller of Stores ... ... ... ... | 19,146 | 2,56,840 | 2,75,986 | 85,921 | 1,90,065 |
| (10) Election and Town Duty Officer ... ... | 52,117 | 1,57,324 | 2,09,441 | 2,03,138 | 6,303 |
| (11) Municipal Commissioner ... ... ... | 122 | 660 | 782 | 404 | 378 |
| (14) Curator Museum ... ... ... ... | 7,128 | 2,235 | 9,363 | 3,962 | 5,401 |
| (15) Legal Assistant ... ... ... ... | 40 | ... | 40 | ... | 40 |
| (16) Chief Officer, Fire Brigade ... ... ... | 7,359 | 2,449 | 9,808 | 8,392 | 1,416 |
| (17) Superintendent of Gardens ... ... ... | 13,402 | 12,295 | 25,697 | 15,300 | 10,397 |
| (18) Mechanical Engineer ... ... ... ... | 34,832 | 53,968 | 88,800 | 41,796 | 47,004 |
| (19) Dean T.N.M. College B.Y.L. Nair & Nair Hosp. Dental College ... | 48,569 | 59,531 | 1,08,100 | 28,381 | 79,719 |
| (20) Chief Inspector, Shops Esstt. ... ... ... | 1,43,621 | 36,251 | 1,79,872 | 1,79420 | 452 |
| | 94,47,343 | 1,85,00,573 | 2,79,47,916 | 1,84,47,210 | 95,00,706 |
| *C.*—Other Cash Deposits ... ... ... ... ... | 57,69,464 | 1,22,60,740 | 1,80,30,204 | 1,39,15,736 | 41,14,468 |
| *D.*—Cash Deposits from Lessees ... ... ... | 31,93,418 | 2,20,101 | 34,13,519 | 3,34,940 | 30,78,579 |
| *E.—Paper Deposits (Kept in Office)*— | | | | | |
| (1) From Contractors, etc. ... ... ... ... | 2,67,300 | 1,20,95,300 | 1,23,62,600 | 1,19,10,600 | 4,52,000 |
| (2) From Tenderers ... ... ... ... | 1,86,500 | 2,87,700 | 4,74,200 | 2,62,700 | 2,11,500 |
| (4) Securities held under objection ... ... ... | 1,71,400 | 2,22,500 | 3,93,900 | 3,21,800 | 72,100 |
| | 6,25,200 | 1,26,05,500 | 1,32,30,700 | 1,24,95,100 | 7,35,600 |
| *F.*—Paper Deposits from Municipal employees and contractors lodged with the Imperial Bank of India ... ... ... ... ... | 30,15,900 | 14,09,800 | 44,25,700 | 9,27,800 | 34,97,900 |
| *G.*—Paper Deposits from lessees, etc., lodged with the Imperial Bank of India ... | 23,91,700 | 2,98,000 | 26,89,700 | 3,79,200 | 23,10,500 |
| *H.*—Cash deposits from A. G. Bombay for A.R.P. expenditure ... ... | 1,742 | ... | 1,742 | 4 | 1,738 |
| *I.*—Deposit from A. G. in connection with the work of seting of Tulsi pipe line etc. ... | 6,45,441 | 47 | 6,45,488 | 4,67,556 | 1,77,932 |
| *J.*—Citizens Special Emergency Relief Fund ... ... ... | 1,190 | ... | 1,190 | ... | 1,190 |
| *K.*—Mayor's Special Emergency Relief Fund ... ... ... | 1,434 | ... | 1,434 | ... | 1,434 |
| *L.*—Cash Deposits from Accountant General Bombay in respect of Municipal claims arising from Bombay Explosions ... ... ... | 1,85,257 | ... | 1,85,257 | ... | 1,85,257 |
| *M.*—Deposits from Accountant General Bombay for construction of rooms for Explosions Victims ... ... ... ... ... | 21,166 | ... | 21,166 | ... | 21,166 |
| *N.*—Deposit from Citizens Emergncy Relief Committee ... ... | 5,137 | 91,786 | 96,923 | 12,200 | 84,723 |
| *O.*—Rent in respect of 300 Rooms at Arthur Road ... ... ... | 2,22,605 | 82,371 | 3,04,976 | 1,70,704 | 1,34,272 |
| *P.*—Rent in Respect of 100 Rooms at Wadala Road ... ... ... | 30,129 | ... | 30,129 | ... | 30,129 |
| *Q.*—Deposit received from the Govt. on account of capitalized value of the pension for the Fire Brigade staff ... ... ... ... | 67,651 | ... | 67,651 | 5,638 | 62,013 |
| *R.*—Sales Tax ... ... ... ... ... ... | 6,024 | 1,308 | 7,332 | ... | 7,332 |
| *S*—Deposit from C.E.R. Committee for construction of 100 rooms at Ferguson Road & 150 at Wadala ... ... ... ... | 64,049 | ... | 64,049 | ... | 64,049 |
| TOTAL ... | 2,84,11,507 | 4,90,20,790 | 7,74,32,297 | 5,06,84,155 | 2,67,48,142 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 14-D

*Statement of Reserve stock for 1952-53*

| Name of Account. | Opening Balance on 1st April 1952. | Debits during 1952-53. | Total. | Credits during 1952-53. | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| General Stores Account ... ... ... | 22,91,946 | 26,61,166 | 49,53,112 | 18,53,252 | 30,99,860 |
| Capital Stores Account ... ... ... | 64,74,310 | 36,77,513 | 1,01,51,823 | *95,95,038 | 5,56,785 |
| Line Suspense Account ... ... ... | 69,838 | 513 | 70,351 | 2,235 | 68,116 |
| Total ... | 88,36,094 | 63,39,192 | 1,51,75,286 | 1,14,50,525 | 37,24,761 |

* Out of this credit of Rs. 64,74,310 is due to transfer of out stadings under Capital Stock Account from Revevue Account to Loan Works Account.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 14-E

*Statement showing 'Interest accrued but not paid' in respect of the following Municipal Loans credited to Suspense account pending adjustment in their respective years of repayment, outstanding on 31st March 1953.*

| Year of Adjustment. | Particulars of Loans. | Amount of Interest accrued but not paid outstanding. | Date of Maturity of the Loan. |
|---|---|---|---|
| | | Rs. a. p. | |
| 1923-24 | Rs. 70 Lakhs Loan Portion Rs. 49,40,000 ... | 65,866 10 8 | 1- 6-1954 |
| 1924-25 | ,, 160 ,, ,, ... ... ... | 3,20,000 0 0 | 1-12-1954 |
| 1923-24 | ,, 20 ,, ,, ... ... ... | 33,333 5 4 | 1- 5-1955 |
| 1927-28 | ,, 25 ,, ,, ... ... ... | 31,250 0 0 | 1- 1-1958 |
| 1929-30 | ,, 37 ,, ,, ... ... ... | 21,846 0 0 | 1- 8-1959 |
| ,, | ,, 28 ,, ,, ... ... ... | 7,046 0 0 | 1- 8-1959 |
| 1923-24 | ,, 70 ,, ,, Portion Rs. 20,60,000 ... | 27,466 10 8 | or after 1- 8-1954 1- 6-1974 |
| 1925-26 | ,, 10 ,, ... ... ... | 12,500 0 0 | 1- 7-1980 |
| 1937-38 | ,, 9 ,, ,, ... ... ... | 1,313 0 0 | 14- 3-1966 |
| ,, | ,, 24½ ,, ,, ... ... ... | 12,250 0 0 | 1- 2-1967 |
| 1938-39 | ,, 30 ,, ,, of 1937-38 ... ... | 4,250 0 0 | 14- 3-1968 |
| 1940-41 | ,, 30 ,, ,, of 1938-39 ... ... | 7,500 0 0 | 1- 3-1969 |
| 1940-41 | ,, 64 ,, ,, of 1939-40 ... ... | 16,000 0 0 | 1- 3-1970 |
| 1941-42 | ,, 48 ,, ,, of 1940-41 ... ... | 14,000 0 0 | 1- 3-1971 |
| 1942-43 | ,, 25 ,, ,, of 1941-42 ... ... | 7,291 10 8 | 1- 3-1972 |
| 1945-46 | ,, 20 ,, ,, of 1943-44 ... ... | 5,833 5 4 | 1- 3-1974 |
| 1946-47 | ,, 22 ,, ,, of 1944-45 ... ... | 6,416 10 8 | 1- 3-1975 |
| 1947-48 | ,, 25 ,, ,, of 1945-46 ... ... | 7,291 10 8 | 1- 3-1976 |
| 1948-49 | ,, 54 ,, ,, of 1946-47 ... ... | 13,500 0 0 | 1- 3-1977 |
| 1948-49 | ,, 75 ,, ,, of 1947-48 ... ... | 40,625 0 0 | 1- 8-1977 |
| 1951-52 | ,, 2 Crores ,, of 1950-51 ... ... | 81,250 0 0 | 16- 8-1965 |
| 1951-52 | ,, 80 Lakhs ,, of 1950-51 ... ... | 32,500 0 0 | 1- 9-1980 |
| 1951-52 | ,, 17.97 ,, ,, of 1950-51 ... ... | 17,970 0 0 | 1-12-1960 |
| 1951-52 | ,, 88,14,500 ,, of 1949-50 ... ... | 11,936 5 0 | 15- 9-1979 |
| 1952-53 | ,, 61 ,, ,, of 1948-49 ... ... | 15,250 0 0 | 1- 3-1979 |
| 1952-53 | ,, 10 ,, ,, of 1950-51 ... ... | 2,709 0 0 | 16 -8-1965 |
| 1952-53 | ,, 1.75 Crores ,, of 1951-52 ... ... | 3,24,480 0 0 | 3 -10-1966 |
| | Total Rs. ... | 11,41,675 5 0 | |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

**Appendix**

*Statement showing the amounts of the Receipts and Expenditure respectively credited at the credit of the Fund at the close of the*

| | Details. | Total. |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| **RECEIPTS—A.—REVENUE ACCOUNT.** | | |
| 1. General Tax, Indirect Taxation and Miscellaneous Revenue. | | |
| A.—General Tax ... ... ... ... ... | 3,22,51,699 3 4 | |
| B.—Town Duties ... ... ... ... ... | 69,92,347 5 11 | |
| C.—Grant-in-aid of the fees for Land Conveyance, Music etc., Licences | 9,506 9 6 | |
| D.—Grant-in-aid in respect of fines for offences against the Law ... | 3,06,727 11 3 | |
| E.—Interest and Profit on Investment of Surplus Loan and other balances | 9,52,703 12 3 | |
| F.—Interest on Plant and Machinery Depreciation Fund ... ... | 1,43,489 8 0 | |
| G.—Miscellaneous ... ... ... ... ... | 4,44,425 14 2 | |
| | | 4,11,00,900 0 5 |
| 2. Water Works—Water Tax and and other Miscellaneous Water Works Revenue ... ... | | 1,80,13,551 11 3 |
| 3. Education—Primary ... ... ... ... ... ... ... | | 4,87,586 0 0 |
| 4. Education—Secondary ... ... ... ... ... ... ... | | 3,958 15 6 |
| 5. Public Health Department ... ... ... ... ... ... ... | | 3,20,670 1 4 |
| 6. Medical Relief and Education ... ... ... ... ... ... | | 8,45,075 0 5 |
| 7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service— | | |
| A.—Halalkhore Tax ... ... ... ... ... ... ... | 61,20,440 3 0 | |
| B.—Miscellaneous ... ... ... ... ... ... ... | 1,82,016 4 3 | |
| | | 63,02,456 7 3 |
| 8. Roads, S. W. Drains and public Lighting— | | |
| A.—Wheel Tax and Government Contribution in lieu of Tolls ... ... ... | 41,08,242 12 0 | |
| B.—Ground Rent ... ... ... ... ... ... ... | 37,486 6 0 | |
| C.—Miscellaneous ... ... ... ... ... ... ... | 5,65,473 7 9 | |
| D.—Interest realised on Donations ... ... ... ... ... ... | 1,881 10 0 | |
| | | 47,13,084 3 9 |
| 9. Mechanical ... ... ... ... ... ... ... ... | | 1,96,238 1 11 |
| 10. Buildings, Land Acquisition and Management— | | |
| A.—Sale Proceeds of Surplus Land ... ... ... ... ... ... | 4,12,757 14 0 | |
| B.—Rent of Buildings ... ... ... ... ... ... ... | 48,283 13 6 | |
| C.—Ground Rent ... ... ... ... ... ... ... ... | 2,24,155 15 9 | |
| D.—Miscellaneous ... ... ... ... ... ... ... ... | 4,06,800 0 5 | |
| | | 10,91,997 11 8 |
| 11. Fire Brigade— | | |
| A.—Fire Tax ... ... ... ... ... ... ... ... | 14,86,107 15 0 | |
| B.—Miscellaneous ... ... ... ... ... ... ... ... | 48,363 12 6 | |
| | | 15,34,471 11 6 |
| 12. Licensing, Removal of Encroachments on Public Streets, Administration of Shops & Establishment Act., 1948 and Theatre Tax | | |
| A.—Licences for Dangerous and Offensive Trades ... ... ... ... | 11,21,552 13 0 | |
| B.—Removal of Encroachments on Public Streets ... ... ... ... | 5,91,303 6 0 | |
| C.—Receipts from administration of Shops & Establishment Act. | 97,058 4 0 | |
| D.—Miscellaneous ... ... ... ... ... ... ... ... | 2,90,297 15 1 | |
| E.—Receipts from Theatre Tax ... ... ... ... ... ... | 6,89,365 7 6 | |
| | | 27,89,577 13 7 |
| 13. Gardens and Open Spaces ... ... ... ... ... ... ... | | 99,029 1 3 |
| 14. Markets and Slaughter Houses ... ... ... ... ... ... | | 36,08,808 4 6 |
| 15. Contribution from Capital Funds to Revenue on account of Loan Works Staff ... ... | | 2,20,547 15 0 |
| 16. Extraordinary Receipts ... ... ... ... ... ... ... | | 1,54,183 9 0 |
| 17. Rebate from Government on account of collection of the Urban Immovable Property Tax in the City ... | | 2,23,956 0 0 |
| 18. Transfers from the B. E. S. & T. Fund ... ... ... ... ... ... | | 28,75,682 8 1 |
| Total Revenue Receipts Rs. ... | ... | 8,45,81,775 4 5 |

**No. 15.**

*and debited to the Municipal Fund during the year 1952-53 and the balance year 1952-53 (i. e. 31st March 1953).*

| | Details. | | | Total. | | |
|---|---|---|---|---|---|---|
| | Rs. | a. | p. | Rs. | a. | p. |
| **RECEIPTS—B.—CAPITAL ACCOUNT—** | | | | | | |
| **Loan Funds—** | | | | | | |
| Debt—Principal— | | | | | | |
| Rs. 35 Lakhs Loan of 1952-53 | 35,00,000 | 0 | 0 | | | |
| 4% Rs. 69 Lakhs Loan of 1952-53 | 69,00,000 | 0 | 0 | | | |
| 4% Rs. 220 Lakhs Loan of 1952 | 2,44,14,500 | 0 | 0 | | | |
| Advances from Special Funds for purchase of Plant and Machinery— | | | | | | |
| Net Premia Fund | 8,08,361 | 3 | 7 | | | |
| Municipal Fire and Accident Insurance Fund | 3,52,682 | 11 | 3 | | | |
| K.E.M. Hospital Research Fund | 424 | 8 | 0 | | | |
| Pre-cast Concrete Slab Pavements renewal Fund | 26,504 | 4 | 0 | | | |
| Garden Fund | 43,220 | 15 | 0 | | | |
| Slum Service Fund | 16,505 | 14 | 0 | | | |
| Hospital Fund | 4,12,789 | 3 | 0 | | | |
| Renewal of Road Surfaces Fund | 1,90,955 | 1 | 6 | | | |
| K.E.M. Hospital and G.S Medical College Equipment Fund | 68,874 | 4 | 0 | | | |
| Plant and Machinery Depreciation Fund | 5,42,539 | 14 | 0 | | | |
| Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Funds | 81,088 | 8 | 0 | | | |
| Advances from Net Premia Fund and Special Funds for renewal (1) of Surfaces of Roads for which no renewal Fund exists and (2) of Surfaces of Roads taken over from Ex-Trust | 1,24,962 | 3 | 0 | | | |
| | | | | 3,74,83,408 | 9 | 4 |
| **Trust Fund—** | | | | | | |
| Govt. Share of the cost of preliminary Expenses in connection with the preparation of the Master Plan for Bombay City and Greater Bombay | 1,43,806 | 12 | 3 | | | |
| Interest on investments | 2,048 | 8 | 0 | | | |
| | | | | 1,45,855 | 4 | 3 |
| Total Capital Account Receipts Rs. | | | | 3,76,29,263 | 13 | 7 |
| **RECEIPTS—C.—SUSPENSE ACCOUNT—** | | | | | | |
| **I.—Sinking and Special Fund Accounts—** | | | | | | |
| Sinking Fund account—Municipal | 69,56,427 | 8 | 0 | | | |
| Special Fund Accounts | 85,94,099 | 9 | 10 | | | |
| Improvement Schemes Fund Account— | | | | | | |
| (a) Sinking Fund Account | 26,73,727 | 6 | 0 | | | |
| (b) Investment Reserve Fund | 1,82,400 | 7 | 0 | | | |
| **II.—Paper and Cash Accounts—** | | | | | | |
| (1) Sinking Fund | 49,19,091 | 5 | 0 | | | |
| (2) Special Funds | 60,92,746 | 12 | 10 | | | |
| (3) Surplus Fund | 1,45,61,154 | 8 | 7 | | | |
| (4) Loan Fund | 97,84,231 | 0 | 5 | | | |
| (5) Improvement Schdmes Funds— | | | | | | |
| (a) Sinking Fund | 23,506 | 15 | 0 | | | |
| (b) Capital Fund | 27,98,003 | 10 | 9 | | | |
| (c) Investment Reserve Fund | 75,768 | 6 | 0 | | | |
| Imperial Bank of India and other Local Banks on account of Sundry deposits | 9,44,50,867 | 1 | 5 | | | |
| **III.—Suspense Accounts—** | | | | | | |
| Deposit Account | 4,90,20,790 | 10 | 9 | | | |
| Reserve Stores Account | 58,12,381 | 13 | 2 | | | |
| Capital Stores Account | 1,34,00,987 | 11 | 9 | | | |
| Purchase of Petrol Diesel Oil and powersine oil | 4,11,474 | 1 | 9 | | | |
| Purchase of Coal | 51 | 7 | 0 | | | |
| Advances Departmental Works | 16,01,021 | 14 | 0 | | | |
| Advances Municipal Workshops | 5,22,722 | 5 | 9 | | | |
| Work Crushers | 2,19,041 | 9 | 0 | | | |
| Sewri Crushers | 1,52,968 | 4 | 0 | | | |
| Mechanical Transport | 1,17,783 | 6 | 3 | | | |
| Asphalt Plant | 6,76,263 | 13 | 6 | | | |
| Pre-Cast Concrete Slabs | 4,817 | 0 | 0 | | | |
| Municipal Printing Press | 7,47,984 | 4 | 11 | | | |
| Advances Private Works | 5,93,602 | 13 | 0 | | | |
| Advances Special Funds | 17,91,080 | 15 | 9 | | | |
| Municipal Contractors | 34,085 | 12 | 0 | | | |
| Municipal Tenderers | 13,566 | 4 | 6 | | | |
| Sundry—Miscellaneous Advances | 15,37,760 | 3 | 10 | | | |
| Advances to Municipal Officers— | 42,035 | 2 | 0 | | | |
| Interest Accrued but not paid | 3,42,439 | 0 | 0 | | | |
| Interest on B. I. T. Loans Payable a/c | 4,190 | 0 | 0 | | | |
| Provident Fund | 75,91,055 | 9 | 0 | | | |
| Fines Fund | 28,232 | 12 | 0 | | | |
| Gardens Fund | 54,207 | 10 | 6 | | | |
| Victoria and Albert Museum Fund | 9,344 | 2 | 0 | | | |
| Fidelity Guarantee Insurance Fund | 16,769 | 2 | 0 | | | |
| Bombay Municipal Corporation Loans Interest Warrants payable Account | 42,33,191 | 1 | 2 | | | |
| City of Bombay Improvement Trust Loans Interest Warrants Payable Account | 16,69,011 | 10 | 4 | | | |
| Cash Bills outstanding Account | 74,341 | 0 | 1 | | | |
| Dishonoured Cheques | 18,59,605 | 11 | 3 | | | |
| Cheques payable | 20,16,65,192 | 10 | 9 | | | |
| Wages Deposit Account | 78,25,558 | 15 | 0 | | | |
| Advance from S. C. B. for financing expenditure on Capital Works pending raising of a new Loan | 1,69,02,506 | 0 | 7 | | | |
| Suspense Account suburbs | 10,247 | 7 | 9 | | | |
| Interest on Investments of the Value of lost municipal Debentures in Post Office Saving Bank | 115 | 8 | 0 | | | |
| Loan Redumption Fund—Municipal | 1,04,54,507 | 8 | 9 | | | |
| Loan Redumption Fund—Improvement Schemes | 686,057 | 3 | 0 | | | |
| Total Receipts— C.—Suspense Accounts | | | | 48,11,39,077 | 3 | 11 |

| | Details. | Total. |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| **RECEIPTS—D.—IMPROVEMENT SCHEMES ACCOUNT—** | | |
| **General Account** Revenue— | | |
| I.—Rents and other proceeds of Properties | | 63,57,951 13 6 |
| II.—Contribution from the Municipal Corporation under section 125 (2)(*d*) of the Municipal Act. | | 35,83,625 11 3 |
| III.—Grant-in-aid out of Tobacco Duty receipts | | 7,41,617 0 0 |
| IV.—Interest and Profit on Investments | | 5,32,383 1 3 |
| V.—Miscellaneous Receipts | | 73,626 2 4 |
| VI.—Appropriation from Capital Account to meet deficit in the General Account | | 5,89,824 7 10 |
| Total Rs. | | 1,18,79,028 4 2 |
| **Capital Account—** | | |
| I.—Sale proceeds of Lands, Buildings, etc. | | 12,28,150 2 6 |
| Total—General and Capital Account Receipts Rs. | | 1,31,07,178 6 8 |
| **EXPENDITURE A.—REVENUE ACCOUNT.** | | |
| I.—General Supervision, Collection of Revenue, etc.— | | |
| A.—General Superintendence | 14,81,508 9 11 | |
| B.—Collection of Revenue | 13,78,894 15 9 | |
| C.—Upkeep and guarding of Municipal Head Office | 1,00,573 14 1 | |
| D.—General Stores | 1,59,425 6 3 | |
| E.—Miscellaneous Charges | 3,11,761 14 5 | |
| F.—Election Expenses | 4,06,638 3 3 | |
| G.—New Works | 9,172 8 0 | |
| H.—Debt Charges | 1,12,863 5 0 | |
| Deduct—Proportion of General Superintendence chargeable to Water Works, Fire Brigade Markets, and Improvement Schemes Account and Education Fund account | 9,89,683 13 1 | |
| | | 29,71,154 15 2 |
| II.—Water Works— | | |
| A.—Maintenance | 23,25,057 9 2 | |
| B.—Income Tax on income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction | 22,831 2 0 | |
| C.—Provident Fund and Pensions, etc., Charges | 2,30,683 8 0 | |
| D.—Proportion of General Supervision and Collection of Revenue, etc. | 6,04,351 6 0 | |
| E.—Dearness Allowance | 9,04,067 2 0 | |
| F.—New Works | 19,297 8 0 | |
| G.—Debt Charges | 92,42,141 12 2 | |
| Works to be carried out from the amount transferred out of P. W. R. Fund | 16,551 3 0 | |
| | | 1,33,64,981 2 4 |
| III.—Education—Primary | | 89,59,064 0 0 |
| IV.—Education—Secondary | 76,759 0 3 | |
| Debt charges | 1,175 10 0 | |
| | | 77,934 10 3 |
| V.—Public Health Department | | |
| A.—General Superintendence | 20,10,212 13 9 | |
| B.—Supply of milk to the undernourished needy children attending Municipal Schools | 5,02,100 2 0 | |
| C.—New Works | 3,257 15 0 | |
| D.—Debt Charges | 5,50,043 12 9 | |
| Works to be carried out from the amount transferred out of P.W.R. Fund | 12,443 2 0 | |
| Expenditure other than Estt. in Connection with Re-organisation Scheme | 14,534 10 0 | |
| Census | 45,363 4 3 | |
| Cleaner Bombay Campaign | 28 15 0 | |
| | | 31,37,984 10 9 |
| VI.—Medical Relief and Education— | | |
| A.—Hospitals and Maternity Homes— | 60,41,186 8 8 | |
| B.—Dispensaries | 3,23,059 1 10 | |
| C.—Medical and Nursing Assistance to poor people in their houses | 880 13 6 | |
| D.—Family planning clinics | 20,549 15 9 | |
| E.—Medical Education | 9,80,867 9 3 | |
| F.—Statutory Contribution to Government Medical Institutions | 4,14,500 0 0 | |
| G.—Clinic for treatment of Leprosy cases | 47,229 14 9 | |
| H.—New Works | 37,311 0 6 | |
| I.—Debt Charges | 6,50,765 10 9 | |
| Works to be carried out from the amount transferred out of P. W. R. Fund | 21,288 5 0 | |
| | | 85,37,639 0 0 |
| VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service— | | |
| A.—Street Cleansing and Conservancy | 7,22,414 2 0 | |
| B.—Collection, Loading Removal and disposal of Town Refuse | 54,86,643 7 0 | |
| C.—Road Watering | 2,469 7 0 | |
| D.—Halalkhore Service | 26,66,635 14 4 | |
| E.—New Works | 33,618 4 0 | |
| F.—Debt Charges | 24,42,236 3 10 | |
| Works to be Carried out from the amount transferred out of P.W.R. Fund | 39,329 7 0 | |
| | | 1,13,93,346 13 2 |
| VIII.—Roads S. W. Drains and Public Lighting— | | |
| A.—General | 2,76,803 1 1 | |
| B.—Maintenance of Roads | 21,61,536 0 2 | |
| C.—Public Lighting | 20,40,676 6 1 | |
| D.—Maintenance of S. W. Drains | 28,467 2 0 | |
| E.—Rebate on Account of the compounded wheel-tax | 25,790 0 0 | |
| F.—New Works | 33,228 11 0 | |
| G.—Debt Charges | 33,80,877 9 2 | |
| | | 79,47,378 13 6 |
| IX.—Mechanical— | | |
| A.—Mechanical Engineer's Office Estt. | 2,76,074 14 10 | |
| B.—Supervision of Factories, Workshops and Work-places | 7,770 10 0 | |
| C.—New Works | 1,543 7 9 | |
| D.—Debt Charges | 87,431 2 3 | |
| Works to be Carried out from the amount transferred out of P.W.R. Fund | 1,98,248 3 6 | |
| | | 5,71,068 6 4 |
| Expenditure—A—Rev. account Carried forward | | 5,69,60,552 7 11 |

**No. 15—*Continued.***

| | Details. | | | Total. | | |
|---|---|---|---|---|---|---|
| **EXPENDITURE—A.—REVENUE ACCOUNT—*Concluded*** | Rs. | a. | p. | Rs. | a. | p. |
| Brouht over ... | | | | 5,69,60,552 | 7 | 11 |
| X.—Buildings, Land Acquisition and Management— | | | | | | |
| A.—City Engineer's Central Office Establishment ... ... ... ... | 1,48,043 | 14 | 4 | | | |
| B.—Inspection and Supervision of Private Buildings ... ... ... ... | 4,38,885 | 6 | 6 | | | |
| C.—Removal of stall-boards in the City ... ... ... ... ... | 1,936 | 0 | 6 | | | |
| D.—Architectural ... ... ... ... ... ... ... | 1,50,002 | 0 | 0 | | | |
| E.—Land Acquisition and Management ... ... ... ... ... | 89,800 | 3 | 8 | | | |
| F.—Debt Charges ... ... ... ... ... ... | 18,41,733 | 4 | 2 | | | |
| —Planning of landdevelopment and important projects ... ... | 16 | 13 | 4 | | | |
| —New Works ... ... ... ... ... ... | 1,211 | 13 | 0 | | | |
| Deduct—Supervision Chargeable to Improvement Schemes Account ... | 48,494 | 0 | 0 | | | |
| | | | | 26,23,135 | 7 | 6 |
| XI.—Fire Brigade— | | | | | | |
| A.—Maintenance ... ... ... ... ... ... | 7,09,277 | 6 | 3 | | | |
| B.—Provident Fund, Pensions, etc., Charges ... ... ... ... ... | 1,36,027 | 1 | 0 | | | |
| C.—Proportion of General Supervision and Collection of Revenue ... ... ... | 49,333 | 13 | 0 | | | |
| D.—Dearness Allowance ... ... ... ... ... ... | 2,23,845 | 7 | 0 | | | |
| E.—New Works ... ... ... ... ... ... ... | 23,813 | 12 | 9 | | | |
| F.—Debt Charges ... ... ... ... ... ... | 1,07,988 | 0 | 7 | | | |
| | | | | 12,50,285 | 8 | 7 |
| XII.—Licensing, Removal of Encroachment on Public Streets and Administration of Shops and Establishment Act, 1948 and Theatre Tax— | | | | | | |
| A.—Licensing Establishment ... ... ... ... ... | 2,14,783 | 9 | 6 | | | |
| B.—Removal of Encroachment on Public Streets ... ... ... ... | 1,71,052 | 15 | 8 | | | |
| C.—Administration of Shops and Establishment Act, 1948. ... ... ... | 1,55,002 | 9 | 10 | | | |
| D.—Administration of Theatre Tax ... ... ... ... ... ... | 13,201 | 3 | 0 | | | |
| E.—New Works ... ... ... ... ... ... ... | 2,756 | 8 | 0 | | | |
| F.—Debt Charges ... ... ... ... ... ... | 406 | 0 | 0 | | | |
| | | | | 5,57,202 | 14 | 0 |
| XIII.—Gardens and Open Spaces— | | | | | | |
| A.—Gardens ... ... ... ... ... ... ... | 4,62,096 | 1 | 11 | | | |
| B.—New Gardens, Recreation Ground etc. ... ... ... ... ... | 8,341 | 2 | 6 | | | |
| C.—Road side Trees ... ... ... ... ... ... ... | 40,044 | 4 | 9 | | | |
| D.—New Works ... ... ... ... ... ... ... | 26,570 | 15 | 4 | | | |
| E.—Debt Charges ... ... ... ... ... ... | 1,79,379 | 10 | 1 | | | |
| —Works to be carried out of the amount transferred out of P.W.R. Fund ... ... | 7,705 | 6 | 6 | | | |
| | | | | 7,24,137 | 9 | 1 |
| XIV.—Markets and Slaughter Houses— | | | | | | |
| A.—Markets and Slaughter Houses ... ... ... ... ... ... | 10,30,387 | 10 | 2 | | | |
| B.—Provident Fund and Pension, etc., charges ... ... ... ... | 54,312 | 14 | 0 | | | |
| C.—Proportion of General Supervision ... ... ... ... ... | 61,726 | 15 | 10 | | | |
| D.—Dearness Allowance ... ... ... ... ... | 3,21,423 | 1 | 0 | | | |
| E.—New Works ... ... ... ... ... ... | 27,350 | 2 | 0 | | | |
| F.—Debt Charges ... ... ... ... ... ... | 2,51,830 | 2 | 3 | | | |
| —Works to be carried out of the amount transferred out of P.W.R. Fund ... ... | 2,406 | 15 | 0 | | | |
| | | | | 17,49,437 | 12 | 3 |
| XV.—Contribution towards Improvements Schemes ... ... ... ... ... | | | | 35,83,625 | 11 | 3 |
| XVI.—Provident Fund, Pensions Gratuities and Compassionate Allowances ... ... | | | | 19,18,354 | 1 | 4 |
| XVII.—Urban Immovable Property Tax on Municipal Properties in the City ... ... | | | | 53,925 | 3 | 0 |
| XVIII.—Dearness Allowance— | | | | 1,02,27,308 | 3 | 6 |
| XIX.—Grants-in-aid to Public Institutions ... ... ... ... ... | | | | 9,97,871 | 11 | 2 |
| XX.—Contribution to Budged 'D' under section 123 (B) (2) of the B. M. C. Act. ... ... | | | | 12,96,074 | 0 | 0 |
| XXI.—Rent of Buildings Requisitioned for Housing Municipal Employees of Essential Services etc ... | | | | 30,451 | 14 | 6 |
| XXII.—Damage caused by Cyclone in 1948. ... ... ... ... | | | | 3,13,298 | 2 | 9 |
| Total Expenditure—A—Revenue account Rs. ... | | | | 8,22,85,660 | 10 | 10 |
| **EXPENDITURE B—CAPITAL ACCOUNT** | | | | | | |
| I.—General Supervision, Collection of Revenue, etc. ... ... ... ... | 19,291 | 0 | 0 | | | |
| II.—Water Works, ordinary ... ... ... ... ... ... | 21,01,775 | 15 | 11 | | | |
| II.—Augmenting City Water Supply... ... ... ... ... ... | 2,05,46,861 | 6 | 9 | | | |
| V.—Public Health Department ... ... ... ... ... ... | 10,37,026 | 11 | 0 | | | |
| VI.—Medical Relief and Education ... ... ... ... ... ... | 2,42,544 | 4 | 0 | | | |
| VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service ... ... | 20,22,231 | 9 | 0 | | | |
| VIII.—Roads, S. W. Drains and Public Lighting ... ... ... ... | 12,36,231 | 11 | 11 | | | |
| IX.—Mechanical ... ... ... ... ... ... ... | 37,041 | 2 | 3 | | | |
| X.—Buildings, Land Acquisition and Management ... ... ... ... | 2,05,712 | 5 | 1 | | | |
| XI.—Fire Brigade ... ... ... ... ... ... ... | 2,26,809 | 0 | 0 | | | |
| XIII.—Gardens and open spaces ... ... ... ... ... ... | 27,555 | 1 | 0 | | | |
| XIV.—Markets and Slaughter Houses ... ... ... ... ... | 52,333 | 13 | 9 | | | |
| XV.—Slum Service ... ... ... ... ... ... | 1,60,800 | 0 | 0 | | | |
| XVI.—Completion of Sewerage works under taken in connection with M.C.D. ... ... | 165 | 14 | 0 | | | |
| XVII.—Greater Bombay ... ... ... ... ... ... | *Cr.* 10,337 | 3 | 6 | | | |
| Discount and other charges on the new Loans ... ... ... ... ... | 11,03,858 | 5 | 0 | | | |
| Plant and Machinery to be purchased out of Net Premia Fund ... ... ... | 6,20,978 | 2 | 7 | | | |
| Plant and Machinery to be purchased out of Municipal Fire and Accident Ins. Fund ... | 3,13,427 | 6 | 3 | | | |
| Plant and Machinery to be purchased out of K.E.M. Hospital Equipment Fund ... ... | 65,864 | 5 | 0 | | | |
| Plant and Machinery to be purchased out of K. E. M. Hospital Research Fund ... ... | *Cr.* 14,683 | 3 | 0 | | | |
| Plant and Machinery to be purchased out of Depreciation Fund for Replacement of Plant and Machinery ... ... ... ... ... ... ... | *Cr.* 36,750 | 7 | 0 | | | |
| Plant and Machinery to be purchased out of Pre-cast Concrete Slabs Pavement Renewal Fund ... | 8,540 | 6 | 0 | | | |
| Plant and Machinery to be purchased out of Plant and Machinery Depreciation Fund ... | 3,24,128 | 2 | 0 | | | |
| Plant and Machinery to be purchased out of Renewal of Road Surfaces Fund ... ... | 78,989 | 3 | 6 | | | |
| Plant and Machinery to be purchased out of Garden Fund ... ... ... | 35,723 | 14 | 0 | | | |
| Plant and Machinery to be purchased out of Hospital Fund ... ... ... ... | 2,30,009 | 15 | 0 | | | |
| Plant and Machinery to be purchased out of Slum Service Fund ... ... ... | 4,158 | 10 | 0 | | | |
| Assets written off... ... ... ... ... ... ... ... | 9,67,391 | 4 | 0 | | | |
| Advances for the purchase of Capital Stores ... ... ... ... ... | 64,74,309 | 12 | 8 | | | |
| | | | | 3,80,82,008 | 7 | 2 |
| **Trust Fund—** | | | | | | |
| Expenditure ... ... ... ... ... ... ... ... | | | | 2,85,075 | 15 | 3 |
| Total B——Capital Expenditure Rs. ... | | | | 3,83,67,084 | 6 | 5 |

**Appendix**

| | Details. | Total. |
|---|---|---|
| **EXPENDITURE—C.—SUSPENSE ACCOUNTS—** | | |
| **I.—Sinking and Special Fund Accounts—** | | |
| Sinking Fund Accounts—Municipal | 40,63,318 13 0 | |
| Special Fund Accounts | 45,03,170 11 5 | |
| Improvement Schemes Fund Accounts— | | |
| (a) Sinking Fund Account | 7,353 9 0 | |
| (b) Investment Reserve Fund Account | 776 9 0 | |
| **II.—Paper and Cash Accounts—** | | |
| (1) Sinking Fund | 77,12,200 0 0 | |
| (2) Special Funds | 94,78,124 9 2 | |
| (3) Surplus Fund | 1,40,36,281 7 10 | |
| (4) Loan Fund | 90,46,470 7 7 | |
| (5) Improvement Schemes Funds— | | |
| (a) Sinking Fund | 26,89,880 12 0 | |
| (b) Capital Fund | 23,57,965 5 0 | |
| (c) Investment Reserve Fund | 2,57,392 4 0 | |
| Imperial Bank of India and other Local Banks on account of Sundry Deposits | 9,38,06,495 2 5 | |
| **III.—Suspense Accounts—** | | |
| Deposit Account | 5,06,84,154 10 1 | |
| Reserve Stores Accounts | 57,53,533 1 1 | |
| Capital Stores Accounts | 84,89,786 7 1 | |
| Purchase of Petrol, Diesel Oil and Powersive Oil | 5,47,214 15 0 | |
| Advances Departmental Works | 18,12,939 0 9 | |
| Advances Municipal Workshop | 4,98,283 13 6 | |
| Worli Crushers | 2,47,416 15 5 | |
| Sewri Crushers | 1,86,664 5 9 | |
| Mechanical Transport | 1,62,135 7 3 | |
| Asphalt Plant | 7,56,866 5 7 | |
| Pre-Cast Concrete Slabs | 5,955 4 6 | |
| Municipal Printing Press | 9,00,146 1 4 | |
| Advances Private Works | 6,03,986 6 3 | |
| Advances Special Funds | 32,32,067 4 10 | |
| Municipal Contractors | 33,522 9 9 | |
| Municipal Tenderers | 12,345 0 6 | |
| Sundry—Miscellaneous Advances | 12,22,837 15 4 | |
| Repayment of Loans Municipal | 1,04,54,507 8 9 | |
| Do. (Impts. Schemes) | 6,86,057 3 0 | |
| Advances to Municipal Officers | 78,735 0 0 | |
| Interest accrued but not paid | 1,07,500 0 0 | |
| Provident Fund | 75,91,055 9 0 | |
| Fines Fund | 28,232 12 0 | |
| Gardens Fund | 54,207 10 6 | |
| Victoria and Albert Museum Fund | 9,344 2 0 | |
| Fidelity Guarantee Insurance Fund | 16,769 2 0 | |
| Bombay Municipal Corporation Loans Interest Warrants payable Account | 42,37,614 9 2 | |
| City of Bombay Improvement Trust Loans Interest Warrants Payable Account | 16,66,408 11 4 | |
| Dishonoured Cheques | 18,59,605 11 3 | |
| Cash Bills outstanding Account | 86,620 12 3 | |
| Cheques payable | 20,04,40,984 0 11 | |
| Woges Diposit Account | 78,25,558 15 0 | |
| Advance from S. C. B. for financing expenditure on Capital Works pending raising of a new Loan | 2,14,66,793 2 1 | |
| Total Expenditure—Suspsense Accounts I, II, & III, | | 47,97,24,280 3 8 |

SUMMARY.

| Receipts. Rs. a. p. | | Disbursements. Rs. a. p. |
|---|---|---|
| 1,03,36,844 4 4 | Balance on 1st April 1952 | |
| 8,45,81,775 4 5 | A.—Revenue Account | 8,22,85,660 10 10 |
| 3,76,29,263 13 7 | B.—Capital Account | 3,83,67,084 6 5 |
| 48,11,39,077 3 11 | C.—Suspense Account | 47,97,24,280 3 8 |
| 1,31,07,178 6 8 | D.—Improvement Schemes Account | 1,46,54,416 12 5 |
| 61,64,57,294 12 7 | Total Rs. | 61,50,31,442 1 4 |
| | * Balance on 31st March 1953 | 1,17,62,696 10 7 |
| 62,67,94,139 0 11 | Total. Total Rs. | 62,67,94,139 0 11 |

T. V. DORAISWAMY,
*Chief Accountant.*

**No. 15—*Concluded.***

| | Details. | Total. |
|---|---|---|
| | Rs. a. p. | Rs. a. p. |
| **EXPENDITURE—D.—IMPROVEMENT SCHEMES ACCOUNT** | | |
| **General Account Expenditure—** | | |
| A.—Maintenance of Properties and Streets ... ... ... ... ... | 43,30,851 8 4 | |
| B.—Cost of Management and Establishment ... ... ... ... ... | 20,03,848 14 2 | |
| C.—Proportionate charge on account of Municipal Supervision ... ... ... ... | 2,64,722 11 9 | |
| | 65,99,423 2 3 | |
| *Deduct—* | | |
| Proportionate share of cost of Management and Establishment chargeable to Rs. a. p. | | |
| (*a*) General Account ... 20,80,835 3 9 | | |
| Do. do. do. (*b*) Capital Account ... 2,28,338 15 0 | 23,09,174 2 9 | 42,90,248 15 6 |
| D.—Debt Charges ... ... ... ... ... | ... | 75,88,779 4 8 |
| Total ... | | 1,18,79,028 4 2 |
| **apital Account—** | | |
| Improvement and Street Schemes, etc. ... ... ... ... ... | | 19,57,225 1 5 |
| Proportionate share of cost of Management and Establishment chargeable to General account ... | | 2,28,338 15 0 |
| Transfer of Revenue Deficit to Capital Account ... ... ... ... | | 5,89,824 7 10 |
| Total ... | | 27,75,388 8 3 |
| Total—General and Capital Account Expenditure ... | | 1,46,54,416 12 5 |

| | | Rs. a. p. |
|---|---|---|
| Bank's reconciliation:— | | |
| * Balance as per Bank's Pass Book ... ... ... ... ... ... | | 96,02,704 6 2 |
| *Add—* | | |
| Revenue sent to the Bank on 31st March 1953 but acknowledged on 1st April 1953 ... | | 9,20,542 7 9 |
| | | 1,05,23,246 13 11 |
| *Less—* | | |
| Uncashed Cheques ... ... ... ... ... ... ... | | 2,37,008 1 0 |
| Balance in Bank as per Day Book (Column No. 10) ... ... ... ... ... | | 1,02,86,238 12 11 |
| Balance in Office in Government Promissory Notes, etc, ... ... ... ... | 7,45,600 0 0 | |
| Balance in Office in Cash ... ... ... ... ... ... | 7,30,858 2 8 | 14,76,458 2 8 |
| | | 1,17,62,696 15 7 |

P. R. NAYAK.
*Municipal Commissioner.*

## Appendix No. 16.

*Comparison of Face, Purchase and Market Values as on 31st March 1953 of the different Securities held in the following Special Funds.*

| Name of Fund. | Particulars of Securities. | Face value. | Purchase rate per cent. | Actual cost at purchase rate. | Market rate per cent. | Value at Market rate. |
|---|---|---|---|---|---|---|
| | | Rs. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Municipal Fire and Accident Insurance Fund. | 4 per cent. Government Loan 1960-70 ... | 49,500 | 94 4 0 | 46,653 12 0 | | |
| | Do. do. ... | 1,00,200 | 92 8 0 | 92,685 0 0 | | |
| | Do. do. ... | 13,700 | 87 10 0 | 12,004 10 0 | 102 2 0 | 2,90,852 0 0 |
| | Do. do. ... | 1,21,400 | 88 0 0 | 1,06,832 0 0 | | |
| | 4 per cent. Bombay Improvement Trust Debentures | 46,600 | Par. | 46,600 0 0 | | |
| | Do. do. ... | 10,000 | 89 0 0 | 8,900 0 0 | | |
| | Do. do. ... | 7,200 | 88 0 0 | 6,336 0 0 | | |
| | Do. do. ... | 23,500 | 84 8 0 | 19,857 8 0 | 99 12 0 | 1,37,655 0 0 |
| | Do. do. ... | 9,700 | 84 4 0 | 8,172 4 0 | | |
| | Do. do. ... | 41,000 | 92 12 0 | 38,027 8 0 | | |
| | 4½ per cent. Do. do. ... | 800 | Par. | 800 0 0 | Par. | 800 0 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 73,900 | Par. | 73,900 0 0 | Par. | 73,900 0 0 |
| | 3½ per cent. Do. do. ... | 4,100 | Par. | 4,100 0 0 | Par. | 4,100 0 0 |
| | 3½ per cent. Do. do. ... | 22,600 | Par. | 22,600 0 0 | Par. | 22,600 0 0 |
| | 3¾ per cent. Do. do. ... | 75,800 | Par. | 75,800 0 0 | Par. | 75,800 0 0 |
| | 3 per cent. Conversion Loan 1946 ... | 1,100 | Par. | 1,100 0 0 | | |
| | Do. Do. | 1,02,400 | 101 0 0 | 1,03,424 0 0 | 82 9 0 | 85,452 3 0 |
| | Total Rs. ... | 7,03,500 | | 6,67,792 10 0 | | 6,91,159 3 0 |
| Net Premia Fund ... | 3 per cent. Government Promissory Notes ... | 900 | 48 0 0 | 432 0 0 | 83 0 0 | 747 0 0 |
| | 4 per cent. Government Loan 1960-70 ... | 13,400 | Par. | 13,400 0 0 | | |
| | Do. do. ... | 5,500 | 92 8 0 | 5,087 8 0 | 102 2 0 | 21,752 10 0 |
| | Do. do. ... | 2,400 | 88 6 0 | 2,121 0 0 | | |
| | 3 per cent. Bombay Municipal Debentures ... | 75,400 | Par | 75,400 0 0 | Par. | 75,400 0 0 |
| | 4 per cent Bombay Municipal Debentures ... | 1,81,100 | Par. | 1,81,100 0 0 | Par | 1,81,100 0 0 |
| | 3 per cent. Conversion Loan 1946 ... | 700 | Par. | 700 0 0 | | |
| | Do. do. ... | 1,52,800 | 101 0 0 | 1,54,328 0 0 | 82 9 0 | 1,26,733 7 0 |
| | Total Rs. ... | 4,32,200 | | 4,32,568 8 0 | | 4,05,733 1 0 |
| Provident Fund ... | 4 per cent. Government Loan 1960-70 ... | 1,23,300 | 94 4 0 | 1,16,210 4 0 | | |
| | Do. do. ... | 18,45,500 | 92 8 0 | 17,07,087 8 0 | | |
| | Do. do. ... | 47,500 | 88 6 0 | 41,978 2 0 | | |
| | Do. do. ... | 37,01,200 | 88 0 0 | 32,57,056 0 0 | 102 2 0 | 62,42,697 0 0 |
| | Do. do. ... | 3,36,000 | 87 10 0 | 2,94,420 0 0 | | |
| | Do. do. ... | 59,300 | Par. | 59,300 0 0 | | |
| | 3 per cent. Government Loan 1963-65 ... | 12,90,800 | 98 0 0 | 12,64,984 0 0 | 92 10 0 | 11,95,603 8 0 |
| | 4 per cent. Bombay Improvement Trust Debentures | 1,81,300 | Different rates | 1,40,693 0 0 | | |
| | Do. do. ... | 46,100 | Par. | 46,100 0 0 | | |
| | Do. do. ... | 3,80,300 | 84 4 0 | 3,20,402 12 0 | 99 12 0 | 15,94,503 12 0 |
| | Do. do. ... | 16,700 | 84 8 0 | 14,111 8 0 | | |
| | Do. do. ... | 9,74,100 | 92 12 0 | 9,03,477 12 0 | | |
| | 4½ Do. do. ... | 24,900 | Par. | 24,900 0 0 | Par. | 24,900 0 0 |
| | 5 per cent. Bombay Improvement Trust Debentures | 6,18,500 | Different rates | 5,65,335 0 0 | 105 0 0 | 6,49,425 0 0 |
| | 6 per cent. Bombay Improvement Trust Debentures | 1,91,000 | Do. | 1,92,531 4 0 | | |
| | Do. do. ... | 38,700 | Par. | 38,700 0 0 | 103 0 0 | 2,36,591 0 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 65,29,200 | Par. | 65,29,200 0 0 | Par. | 65,29,200 0 0 |
| | 3½ per cent Bombay Municipal Debentures ... | 1,08,48,500 | Par. | 1,08,48,500 0 0 | Par. | 1,08,48,500 0 0 |
| | 3½ per cent. Bombay Municipal Debentures ... | 22,54,700 | par | 22,54,700 0 0 | Par. | 22,54,700 0 0 |
| | 3¾ Do. do. ... | 24,89,700 | Par. | 24,89,700 0 0 | Par. | 24,89,700 0 0 |
| | 3 per Conversion Loan 1946 ... | 29,05,800 | 100 15 0 | 29,33,041 14 0 | | |
| | Do. do. ... | 25,27,900 | Par. | 25,27,900 0 0 | 82 9 0 | 49,49,126 8 0 |
| | Do. do. ... | 5,60,700 | 101 0 0 | 5,66,307 0 0 | | |
| | 3½ per cent Bombay Municipal Debentures ... | 32,85,500 | 99 8 0 | 32,69,072 8 0 | 87 0 0 | 28,58,385 0 0 |
| | 3½ per cent United Provinces EE Loan ... | 4,92,800 | 99 0 0 | 4,87,872 0 0 | 92 0 0 | 4,87,872 0 0 |
| | 4 per cent Bombay Municipal Debentures ... | 44,61,200 | Par. | 44,61,200 0 0 | Par | 44,61,200 0 0 |
| | 4½ per cent Bombay Provincial Co-op. Land Mortgage Bank Debentures ... | 10,50,000 | 97 12 0 | 10,26,375 0 0 | Par | 10,50,000 0 0 |
| | Total Rs. ... | 4,72,81,200 | | 4,63,81,155 8 0 | | 4,58,72,403 12 0 |
| Fines Fund— | 4 per cent. Government Loan 1960-70 ... | 20,000 | 88 0 0 | 17,600 0 0 | | |
| | Do. do. ... | 500 | 92 8 0 | 462 8 0 | 102 2 0 | 20,935 10 0 |
| | 4½ per cent. Government Loan 1955-60 ... | 2,800 | 82 6 0 | 2,306 8 0 | 103 4 0 | 2,891 0 0 |
| | 4 per cent. Bombay Port Trust Debentures ... | 3,000 | 70 0 0 | 2,100 0 0 | 99 12 0 | 2,292 8 0 |
| | 4 per cent. Bombay Improvement Trust Debentures | 48,900 | Par. | 48,900 0 0 | | |
| | Do. do. ... | 11,000 | 84 4 0 | 9,267 8 0 | 99 12 0 | 74,812 8 0 |
| | Do. do. ... | 15,100 | 92 12 0 | 14,005 4 0 | | |
| | 4½ Do. do. ... | 300 | Par. | 300 0 0 | Par. | 300 0 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 97,500 | Par. | 97,500 0 0 | Par. | 97,500 0 0 |
| | 3 per cent. Government Loan 1963-65 ... | 900 | 98 0 0 | 882 0 0 | 92 10 0 | 833 10 0 |
| | 3½ per cent. Bombay Municipal Debentures ... | 17,400 | Par. | 17,400 0 0 | Par. | 17,400 0 0 |
| | 3¾ Do. do. ... | 28,400 | Par. | 28,400 0 0 | Par. | 28,400 0 0 |
| | 3 per cent. Conversion Loan ... | 93,400 | 101 0 0 | 94,334 0 0 | | |
| | Do. do. ... | 75,900 | Par. | 75,900 0 0 | 82 9 0 | 1,39,778 5 0 |
| | Total Rs. ... | 4,15,100 | | 4,09,357 12 0 | | 3,85,143 9 0 |
| Plant and Machinery Depreciation Fund | 4 per cent. Government Loan 1960-70 ... | 32,600 | 92 8 0 | 30,155 0 0 | | |
| | Do. do. ... | 13,100 | 87 10 0 | 11,478 14 0 | 102 2 0 | 46,671 2 0 |
| | 4 per cent. Bombay Improvement Trust Debentures | 52,400 | Par. | 52,400 0 0 | | |
| | Do. do. | 2,200 | 84 4 0 | 1,853 8 0 | 99 12 0 | 55,760 4 0 |
| | Do. do. ... | 1,300 | 92 12 0 | 1,205 12 0 | | |
| | 3 per cent. Bombay Municipal Debentures ... | 1,41,400 | Par. | 1,41,400 0 0 | Par. | 1,41,400 0 0 |
| | 3¾ Do. do. | 1,14,600 | Par. | 1,14,600 0 0 | par. | 1,14,600 0 0 |
| | 3 per cent. Conversion Loan 1946 ... | 1,41,300 | Par. | 1,41,300 0 0 | | |
| | Do. Do. | 62,800 | 101 | 63,428 0 0 | 82 9 0 | 1,68,510 1 0 |
| | 4 per cent Bombay Municipal Debentures ... | 2,34,400 | Par | 2,34,400 0 0 | Par | 2,34,400 0 0 |
| | Total Rs. ... | *7,96,100 | | 7,92,221 2 0 | | 7,61,341 7 0 |
| | Carried forward Rs. ... | 4,96,28,100 | | 4,86,83,095 8 0 | | 4,81,15,781 0 0 |

## Appendix 16—(*Contd.*).

*Camparison of Face, Purchase and Market Values as on 31st March 1953 of the different Securities held in the following Special Funds.*

| Name of Fund. | Particulars of Securities. | Face value. | Purchase rate per cent. | Actual cost purchase rate. | Market rate per cent. | Value at Market rate. |
|---|---|---|---|---|---|---|
| | | Rs. | Rs a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | Brought over Rs. ... | 4,96,28,100 | | 4,86,83,095 8 0 | | 4,81,15,781 0 0 |
| **Renewal of Road Surfaces Fund.** | 4 per cent. Government Loan 1960-70 ... | 1,34,200 | 92 8 0 | 1,24,135 0 0 | | |
| | Do. do. ... | 2,47,400 | 87 10 0 | 2,16,784 4 0 | | |
| | Do. do. ... | 5,100 | 88 0 0 | 4,488 0 0 | 102 2 0 | 4,12,482 14 0 |
| | Do. do. ... | 17,200 | 94 4 0 | 16,211 0 0 | | |
| | 4 per cent. Bombay Improvement Trust Debentures | 15,700 | Par | 15,700 0 0 | | |
| | Do. do. ... | 13,100 | 92 12 0 | 12,150 4 0 | | |
| | Do. do. ... | 2,41,400 | 84 4 0 | 2,03,379 8 0 | 99 12 0 | 2,70,621 12 0 |
| | Do. do. ... | 1,100 | 84 8 0 | 929 8 0 | | |
| | 4½ Do. do. ... | 300 | Par | 300 0 0 | Par | 300 0 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 2,09,600 | Par | 2,09,600 0 0 | Par | 2,09,600 0 0 |
| | 3½ per cent. do. do. ... | 12,400 | Par | 12,400 0 0 | Par | 12,400 0 0 |
| | 3¾ Do. do. ... | 58,600 | Par | 58,600 0 0 | Par | 58,600 0 0 |
| | 3 per cent. Conversion Loan 1946 .. | 200 | Par | 200 0 0 | 82 9 0 | 165 2 0 |
| | 4 per cent. Bombay Municipal Debentures ... | 7,200 | Par | 7,200 0 0 | Par | 7,200 0 0 |
| | Total Rs. ... | 9,63,500 | | 8,82,077 8 0 | | 9,71,369 12 0 |
| **Garden Fund** (*a*) Victoria Gardens. | 4 per cent. Government Loan 1960-70 ... | 800 | Par | 800 0 0 | | |
| | Do. do. ... | 1,800 | 87 10 0 | 1,577 4 0 | | |
| | Do. do. ... | 2,300 | 92 8 0 | 2,127 8 0 | 102 2 0 | 25,531 4 0 |
| | Do. do. ... | 900 | 94 4 0 | 848 4 0 | | |
| | Do. do. ... | 19,200 | 88 0 0 | 16,896 0 0 | | |
| | 4 per cent. Bombay Improvement Trust Debentures | 5,600 | Par | 5,600 0 0 | | |
| | Do. do. ... | 5,000 | 84 4 0 | 4,212 8 0 | 99 12 0 | 15,461 4 0 |
| | Do. do. ... | 4,900 | 92 12 0 | 4,544 12 0 | | |
| | 4½ Do. do. ... | 100 | Par | 100 0 0 | Par | 100 0 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 25,000 | Par | 25,000 0 0 | Par | 25,000 0 0 |
| | 3½ Do. do. ... | 18,400 | Par | 18,400 0 0 | Par | 18,400 0 0 |
| | 3¾ Do. do. ... | 38,500 | Par | 38,500 0 0 | Par | 38,500 0 0 |
| | 3 per cent. Conversion Loan Loan 1946 ... | 23,600 | Par | 23,600 0 0 | 82 9 0 | 34,923 15 0 |
| | Do. do. ... | 18,700 | 101 0 0 | 18,887 0 0 | | |
| | Total Rs. ... | 1,64,800 | | 1,61,093 4 0 | | 1,57,916 7 0 |
| (*b*) Other Gardens ... | 3 per cent. Bombay Municipal Debentures ... | 36,500 | Par | 36,500 0 0 | Par | 36,500 0 0 |
| | 3 per cent. Conversion Lona 1946 ... | 5,500 | Par | 5,500 0 0 | 82 9 0 | 4,540 15 0 |
| | 3½ „ Bombay Municipal Debentures ... | 1,800 | Par | 1,800 0 0 | Par | 1,800 0 0 |
| | 3¾ Do. do. ... | 8,800 | Par | 8,800 0 0 | Par | 8,800 0 0 |
| | Total Rs. ... | 52,600 | | 52,600 0 0 | | 51,640 15 0 |
| **Hospital Fund** .. | 4 per cent. Government Loan 1960-70 ... | 42,400 | 106 14 6 | 45,328 4 0 | 102 2 0 | 44,220 2 0 |
| | Do. do. ... | 900 | 92 8 0 | 832 8 0 | | |
| | 3 per cent. Bombay Municipal Debentures ... | 29,400 | Par | 29,400 0 0 | Par | 29,400 0 0 |
| | 3 per cent. Conversion Loan 1946 ... | 1,81,700 | Par | 1,81,700 0 0 | 82 9 0 | 3,50,725 8 0 |
| | Do. do. | 2,43,100 | 101 | 2,45,531 0 0 | | |
| | 3½ per cent. Municipal Debentures ... | 24,000 | Par | 24,000 0 0 | Par | 24,000 0 0 |
| | 3¾ per cent. Do. do. ... | 1,60,200 | Par | 1,60,200 0 0 | Par | 1,60,200 0 0 |
| | Total Rs. ... | 6,81,700 | | 6,86,991 12 0 | | 6,08,545 10 0 |
| **Slum Service Fund.** | 3 per cent. Conversion Loan 1946 ... | 2,800 | Par | 2,800 0 0 | 82 9 0 | 2,311 12 0 |
| | 3 per cent. Bombay Municipal Debentures ... | 1,26,100 | Par | 1,26,100 0 0 | Par | 1,26,100 0 0 |
| | 3½ Do. do. ... | 2,600 | Par | 2,600 0 0 | Par | 2,600 0 0 |
| | 3½ Do. do. ... | 6,100 | Par | 6,100 0 0 | Par | 6,100 0 0 |
| | 3¾ per cent. Do. do. ... | 400 | Par | 400 0 0 | Par | 400 0 0 |
| | 4 per cent. Do. do. ... | 14,800 | Par | 14,800 0 0 | Par | 14,800 0 0 |
| | Total Rs. ... | 1,52,800 | | 1,52,800 0 0 | | 1,52,311 12 0 |
| **K.E.M. Hospital and G. S. M. College Equipment Fund.** | 3 per cent. Bombay Municipal Debentures ... | 44,500 | Par | 44,500 0 0 | Par | 44,500 0 0 |
| | 3 per cent. Conversion Loan 1946 | 19,500 | 101 | 19,695 0 0 | 82 9 0 | 16,099 11 0 |
| | 3½ per cent. Bombay Municipal Debentures ... | 20,400 | Par | 20,400 0 0 | Par | 20,400 0 0 |
| | 3¾ per cent. Do. do. ... | 10,600 | Par | 10,600 0 0 | Par | 10,600 0 0 |
| | Total Rs. ... | 95,000 | ... | 95,195 0 0 | | 91,599 11 0 |
| **G. S. M. College and K. E. M. Hospital Research Fund.** | 4 per cent. Government Loan 1960-70 ... | 8,400 | 92 8 0 | 7,770 0 0 | 102 2 0 | 16,544 4 0 |
| | Do. do. ... | 7,800 | 88 0 0 | 6,864 0 0 | | |
| | 3 per cent. Bombay Municipal Debentures ... | 38,900 | Par | 38,900 0 0 | Par | 38,900 0 0 |
| | 4 per cent. Bombay Improvement Trust Debentures | 400 | 84 4 0 | 337 0 0 | 99 12 0 | 399 0 0 |
| | 3½ per cent. Bombay Municipal Debentures ... | 2,500 | Par | 2,500 0 0 | Par | 2,500 0 0 |
| | 3 per cent. Conversion Loan 1946 ... | 55,400 | Par | 55,400 0 0 | 82 2 0 | 55,812 4 0 |
| | Do. do. | 12,200 | 101 | 12,322 0 0 | | |
| | 3½ per cent. Bombay Municipal Debentures ... | 10,600 | Par | 10,600 0 0 | Par | 10,600 0 0 |
| | 3¾ per cent. Do. do. ... | 9,900 | Par | 9,900 0 0 | Par | 9,900 0 0 |
| | 4 per cent. Do. do. ... | 5,300 | Par | 5,300 0 0 | Par | 5,300 0 0 |
| | Total Rs. ... | 1,51,400 | | 1,49,893 0 0 | | 1,39,955 8 0 |
| **Precast Concrete Slab Pavements Renewal Fund.** | 3 per cent. Bombay Municipal Debentures ... | 51,700 | Par | 51,700 0 0 | Par | 51,700 0 0 |
| | 3½ Do. do. ... | 26,100 | Par | 26,100 0 0 | Par | 26,100 0 0 |
| | 3¾ per cent. Do. do. ... | 43,600 | Par | 43,600 0 0 | Par | 43,600 0 0 |
| | 4 per cent. Do. do. ... | 31,200 | Par | 31,200 0 0 | Par | 31,200 0 0 |
| | | 1,52,600 | | 1,52,600 0 0 | | 1,52,600 0 0 |
| | Carried forward Rs. ... | 5,20,42,500 | | 5,10,16,346 0 0 | | 5,04,41,720 11 0 |

## Appendix No. 16.—(*Concluded.*).

*Comparison of Face, Purchase and Market Values as on 31st March 1953 of the different Securities held in the following Special Funds.*

| Name of Fund. | Particulars of Securities. | Face value. | Purchase rate per cent. | Actual cost purchase rate. | Market rate per cent. | Value at Market rate. |
|---|---|---|---|---|---|---|
| | | Rs. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| | Brought over ... | 5,20,42,500 | | 5,10,16,346 0 0 | | 5,04,41,720 11 0 |
| **Fidelity Guaranttee Insurance Fund.** | 3½ per cent, Bombay Municipal Debentures ... | 6,700 | Par | 6,700 0 0 | Par | 6,700 0 0 |
| | 3 per cent. Do. do. ... | 60,800 | Par | 60,800 0 0 | Par | 60,800 0 0 |
| | 3 per cent, Conversion Loan 1946 ... | 8,300 | Par | 8,300 0 0 | 82 9 0 | 6,852 11 0 |
| | 3¼ per cent. Bombay Municipal Debenture ... | 7,900 | Par | 7,900 0 0 | Par | 7,900 0 0 |
| | | 83,700 | | 83,700 0 0 | | 82,252 11 0 |
| **Victoria & Albert Museum Fund.** | 3 per cant, Bombay Municipal Debentures ... | 15,000 | Par | 15,000 0 0 | Par | 15,000 0 0 |
| | 3½ per cent, Bombay Municipal Debentures ... | 1,200 | Par | 1,200 0 0 | Par | 1,200 0 0 |
| | 3¼ per cent, Do. do. ... | 13,100 | Par | 13,100 0 0 | Par | 13,100 0 0 |
| | Total ... | 29,300 | | 29,300 0 0 | | 29,300 0 0 |
| **Welfare Fund.** | 3 per cent. Bombay Municipal Debentures ... | 1,39,700 | Par | 1,39,700 0 0 | Par | 1,39,700 0 0 |
| | 3¼ per cent. Do. do. ... | 1,26,500 | Par | 1,26,500 0 0 | Par | 1,26,500 0 0 |
| | 4 per cent. Do. do. | 300 | Par | 300 0 0 | Par | 300 0 0 |
| | Total ... | 2,66,500 | | 2,66,500 0 0 | | 2,66,500 0 0 |
| Deprociation Fund for replacement of plant and Machinery | 3¾ per cent. Bombay Municipal Debentures ... | 1,21,900 | Par | 1,21,900 0 0 | Par | 1,21,900 0 0 |
| | 4 per cent Do. do. | 36,700 | Par | 36,700 0 0 | Par | 36,700 0 0 |
| | Total ... | 1,53,600 | | 1,58,600 0 0 | | 1,58,600 0 0 |
| **Investment Reserve Fund.** | 3 per cent. Loan 1963-65 ... | 4,02,300 | 98 0 0 | 3,94,254 0 0 | 92 10 0 | 3,72,630 6 0 |
| | 3 per cent-Conversion Loan 1946 ... | 4,52,300 | 101 0 0 | 4,56,823 0 0 | | |
| | Do. do. ... | 6,90,900 | Par | 6,90,900 0 0 | 82 9 0 | 9,57,642 7 0 |
| | Do. do. ... | 16,700 | 100 15 0 | 16,856 9 0 | | |
| | 3 per cent. Bombay Municipal Debentures ... | 21,80,700 | Par | 21,80,700 0 0 | Par | 21,80,700 0 0 |
| | 3¾ Do. do. ... | 57,300 | Par | 57,300 0 0 | Par | 57,300 0 0 |
| | 4 per cent. Bombay Impt. Trust Debentures ... | 10,39,800 | 92 12 0 | 9,64,414 8 0 | 99 12 0 | 10,37,200 8 0 |
| | 4 per cent. Loan 1960-70 ... | 3,87,600 | 103 0 0 | 3,99,228 0 0 | | |
| | Do. do. ... | 2,12,400 | 88 7 0 | 1,87,841 4 0 | | |
| | Do. do. ... | 26,400 | 87 10 0 | 23,133 0 0 | 102 2 0 | 7,38,874 6 0 |
| | Do. do. ... | 78,000 | 92 8 0 | 72,150 0 0 | | |
| | Do. do. ... | 8,400 | 88 0 0 | 7,392 0 0 | | |
| | Do. do. ... | 10,700 | 97 5 0 | 10,412 7 0 | | |
| | 3½ Per cent. Bombay Municipal Debentures ... | 31,300 | Par | 31,300 0 0 | Par | 31,300 0 0 |
| | Total Rs. ... | 55,94,800 | | 54,92,704 12 0 | | 53,75,647 11 0 |
| | GRAND TOTAL ... | 5,81,75,400 | | 5,70,47,150 12 0 | | 5,63,54,021 1 0 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 16-A.

*Comparison of Face, Purchase and Market Values at 31st March 1953 of the different Securities held in the Sinking Fund.*

*N.B.*—Special attention is invited to para 17 of the Chief Accountant's Report.

| Particulars of Securities. | Face value. | Purchase rate per cent. | Book value. | Market rate per cent. | Value at Market rate. (Municipal and Improvement Trust Debentures being valued at par). |
|---|---|---|---|---|---|
| | Rs. | | Rs. a. p. | | Rs. a. p. |
| 4 per cent. Municipal Debentures ... | 14,23,000 | Par | 14,23,000 0 0 | | 14,23,000 0 0 |
| 4 Do. do. ... | 21,500 | 84¼ | 18,113 12 0 | | 21,500 0 0 |
| 5 Do. do. ... | 35,00,000 | Par | 35,00,000 0 0 | | 35,00,000 0 0 |
| 6 Do. do. ... | 1,000 | Par | 1,000 0 0 | Par | 1,000 0 0 |
| 3 Do. do. ... | 1,40,81,800 | Par | 1,40,81,800 0 0 | | 1,40,81,800 0 0 |
| 3½ Do. do. ... | 25,86,400 | Par | 25,86,400 0 0 | | 25,86,400 0 0 |
| 3½ Do. do. ... | 49,81,900 | Par | 49,81,900 0 0 | | 49,81,900 0 0 |
| 3¾ Do. do. ... | 23,04,500 | Par | 23,04,500 0 0 | | 23,04,500 0 0 |
| 4 per cent. Bombay Improvement Trust Debentures ... | 15,00,700 | 84¼ | 12,64,339 12 0 | | |
| 4 Do. do. ... | 1,32,200 | 84½ | 1,11,709 0 0 | Par | 25,31,600 0 0 |
| 4 Do. do. ... | 5,06,700 | 92¾ | 4,69,964 4 0 | | |
| 4 Do. do. | 3,92,000 | Par | 3,92,000 0 0 | | |
| 4½ Do. do. ... | 18,100 | Par | 18,100 0 0 | Par | 18,100 0 0 |
| 4 per cent. Bombay Improvement Trust (coupon) Debentures. | 3,76,600 | 84½ | 3,18,227 0 0 | Par | 5,00,000 0 0 |
| 4 Do. do. ... | 1,23,400 | 84¼ | 1,03,964 8 0 | | |
| 4 per cent. Loan 1960-70 ... | 1,13,100 | Par | 1,13,100 0 0 | | |
| 4 Do. do. ... | 30,42,300 | 75 | 22,81,725 0 0 | | |
| 4 Do. do. ... | 5,00,000 | 75-0-6 | 3,75,156 4 0 | | |
| 4 Do. do. ... | 3,18,000 | 88 | 2,79,840 0 0 | 102 2 0 | 50,11,886 8 0 |
| 4 Do. do ... | 2,48,000 | 92½ | 2,29,400 0 0 | | |
| 4 Do. do. ... | 4,48,000 | 87⅝ | 3,92,560 0 0 | | |
| 4 Do. do. ... | 2,22,300 | 88⅜ | 1,96,457 10 0 | | |
| 4 Do. do ... | 15,900 | 94¼ | 14,985 12 0 | | |
| 4½ per cent. Loan 1955-60 ... | 5,00,000 | 79¾ | 3,98,750 0 0 | 103 4 0 | 5,16,250 0 0 |
| 3 per cent. Loan 1963-65 ... | 1,93,800 | 98 | 1,89,924 0 0 | 92 10 0 | 1,79,507 4 0 |
| 3 per cent. Conversion Loan 1946 ... | 55,21,600 | Par | 55,21,600 0 0 | 82 9 0 | 73,22,137 14 0 |
| | 33,47,000 | 101 | 33,80,470 0 0 | | |
| 4 per cent. Bombay Improvement Trust Sterling Debentures. ... | £ 25,000 | £ 80 at 1s. 6d. | 2,66,666 10 8 | Par at 1s. 5 5/11 d. | 3,33,913 0 8 |
| Total Rs. ... | 4,64,19,800 £ 25,000 | | 4,52,15,653 8 8 | | 4,53,13,494 10 8 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 16-B.

*Statement showing the amount of and object for which the Donations held under Public Monuments Maintenance Fund were received from different parties up to 31st March 1953.*

| Name of donor. | Object for which the donation is given. | Particulars of Securities. | Face value. | Rate per cent. | Book value. |
|---|---|---|---|---|---|
| | | | Rs. | Rs. a. | Rs. a. |
| Sir Mangaldas Nathoobhoy ... | Donation for the maintenance of Sir Mangaldas Nathoobhoy Clock at Mumbadevi. | 3 per cent. Conversion Loan of 1946 ... | 500 | Par | 500 0 |
| The Secretary, Tata Memorial ... | Donation for the maintenance of J. N. Tata Statue ... | Do. do. ... | 1,200 | Do. | 1,200 0 |
| The Secretary, Ranade Memorial ... | Donation for the maintenance of Ranade Statue ... | 4 per cent. Bombay Improvement Trust Loan due 1962 ...<br>3 per cent. Conversion Loan of 1946 ... | 1,000<br>200 | Do. | 1,200 0 |
| Mr. P. J. Mistri ... | Donation for the maintenance of N. M. Petit Statue at Gowalia Tank Road ... | Do. do. ...<br>Do. do. ... | 2,000<br>1,000 | Do.<br>Do. | 3,000 0 |
| Messrs. J. D. Framroz, R. B. Jeejeebhoy and P. C. Sethna. | Donation for the maintenance of Sir D. M. Petit Statue ... | 4 per cent. Loan 1960-70 ... | 2,400 | 88 0 | 2,112 0 |
| Mr. Cassumally Jairajbhoy Peerbhoy ... | Donation for the maintenance of a fountain at the junction of Hornby Road and Palton Road. | 4 per cent. Loan 1960-70 ... | 5,500 | 92 8 | 5,087 8 |
| The Secretary, Montague Memorial Fund ... | Donation for the maintenance of the Montague Statue at the junction of Marine Lines and Church Gate Street. ... | 3 per cent. Municipal Debentures ...<br>4 per cent. Loan 1960-70 ... | 1,200<br>900 | Par<br>88 0 | 1,200 0<br>792 0 |
| Mr. Surajmal Hanmantrai ... | Donation for the maintenance of a public fountain at Princess Street. ... | 4 per cent. Loan 1960-70 ...<br>3 per cent. Conversion Loan of 1946 ... | 2,600<br>100 | 92 8<br>Par | 2,405 0<br>100 0 |
| Mr. Chaturbhuj Jivandas ... | Donation for the maintenance of the new Bandstand at Chowpatty ... | 4 per cent. Government Loan 1960-70 ... | 400 | 88 0 | 352 0 |
| Mr. Jamnadas Dwarkadas ... | Donation for the maintenance of a water trough for watering Victoria horses and bullocks at the junction of Colaba and Pilot Bunder Roads. | Do. do. ... | 400 | 88 0 | 352 0 |
| Dr. K. E. Dadachanji ... | Donation for the maintenance of a fountain at the junction of Frere Road and Carnac Bridge | | | | 7,230 0 |
| Mr. D. P. Kothare ... | Donation for the maintenance of a fountain at Mint Road ... | | | | 1,570 0 |
| Mr. K. D. Dhuru ... | Donation for the maintenance of a fountain at the junction of old Purbhadevi and Cadell Road. | 4 per cent. Government Loan 1960-70 ... | 15,200 | 88 0 | 452 0 |
| Mr. Gokuldas Karsondas Shroff ... | Donation for the maintenance of a cattle trough and drinking fountain at Lady Jamshedji Road. | 3 per cent. Conversion Loan of 1946 ... | 100 | Par | 1,041 0 |
| Mr. Fattechand Revaldas ... | Donation for the maintenance of a fountain at Narayan Dhuru Street. ... | | | | 353 0 |
| Mr. Hansraj Pragji ... | Donation for the maintenance of a cattle trough at Clerk Road ... | | | | 2,830 0 |
| Mr. F. P. Pavri ... | Donation for the maintenance of a drinking fountain at the junction of Cadell Road and Old Purbhadevi Road. | 4 per cent. Loan 1960-70 ... | 600 | 88 0 | 528 0 |
| The Secretary, Dr. Dadabhoy Naoroji Memorial Fund. | Donation for the maintenance of the Statue of Dr. Dadabhoy Naoroji ... | 4 per cent. Loan 1960-70 ... | 1,400 | 88 0 | 1,232 0 |
| Mr. Khimji Madon Bhujpuria ... | Donation for the upkeep of a water trough on site opposite the Jamshed Mill. | 4 per cent. Loan 1960-70 ... | 600 | 88 0 | 528 0 |
| Mr. L. R. Tairsee ... | Balance out of donation received from Mr. L. R. Tairsee for the construction of a cattle trough at the top end corner of Walkeshwar near "Tin Batti". | | | | |
| | | Carried forward Rs. ... | 37,300 | | 34,064 8 |

## Appendix No. 16-B.—*Concluded.*

| Name of donor. | Object for which the donation is given. | Particulars of Securities. | Face value. | Rate per cent. | Book value. |
|---|---|---|---|---|---|
| | | Brought forward Rs. ... | Rs. 37,300 | Rs. a. | Rs. 34,064 8 |
| Mr. N. P. Wadia ... | Balance out of donation received for construction of three cattle troughs at Bhoiwada Road, Parel Tank Road and Sewree Cross Road | 4 per cent. Loan 1960-70 ... | 1,200 | 88 0 | 1,056 0 |
| Mr. F. B. Jeejeebhoy ... | Balance out of donation received for the construction of a public fountain and water trough at the junction of Suparibag Road and Government Gate Road. | 4 per cent. Loan 1960-70 ... | 1,500 | 88 0 | 1,320 0 |
| Mr. Anantrao Vithoba Kowley ... | Balance out of donation received for the construction of a fountain and cattle trough at the junction of Bhawani Shanker Road and Gokhale Road. | 3 per cent. Conversion Loan 1946 ... | 1,500 | Par | 1,500 0 |
| Mr. Ramdas Raghowji Govindji ... | Balance out of the donation received for the construction of a fountain and cattle trough at Cavel Street. | Do. Do. ... | 1,700 | Par | 1,700 0 |
| Mr. C. K. Kakade ... | Balance out of the donation received for the construction of a fountain at Bellasis Road. | 4 per cent. Loan 1960-70 ... | 200 | 88 0 | 176 0 |
| Hon. Secretary, Lok. Tilak Memorial Committee. | Donation for the maintenance of the Statue of Lok. Tilak at Chowpatty Sands. | 3 per cent. Conversion Loan 1946 ... | 1,400 | Par | 1,400 0 |
| Mr. M. E. Joshi Memorial Committee ... | Donation for the maintenance of the marble bust of Mr. M. E. Joshi at Parsi Colony, Dadar. | 3 per cent. Municipal Debentures ... | 500 | Par | 500 0 |
| * Sir Patrick Kelly Memorial Committee ... | Donation for the maintenance of the Statue of Sir Patrick Kelly, Kt., C.I.E., opposite Crawford Market. | 3 per cent. Conversion Loan 1946 ... | 800 | 101 | *808 0 |
| Joint Honorary Secretary Dr. A. G. Viegas Memorial Committee. | Donation for the maintenance of the Statue of the late Dr. A. G. Viegas at Dhobi Talao ... | 3 per cent. Municipal Debentures ... | 500 | Par | 500 0 |
| Khan Bahadur Kawasji J. Petigara Memorial Committee | Donation for the maintenance of the Statue of Khan Bahadur K. J. Petigara. | 3 per cent. Conversion Loan 1946 ... | 500 | Do. | 500 0 |
| Sir Dinshaw Watcha, Kt., Memorial Committee ... | Donation for the maintenance of the Statue of Sir Dinshaw Watcha, Kt. ... | Do. Do. ... | 500 | Do. | 500 0 |
| Trustees of late Kasambhai Vali Gangji's Estate ... | Donation for the maintenance of a drinking fountain at the junction of Sandhurst Road and New Chinchbunder Road ... | Do. Do. ... | 1,700 | Do. | 1,700 0 |
| Bai Muktabai W/o of Dr. M. V. Parulekar ... | Donation for the maintenance of a drinking fountain at Lakhamsey Napoo Road ... | Do. Do. ... | 500 | Do. | 500 0 |
| Mr. P. S. Gaikawad ... | Donation for the maintenance of a drinking fountain near Round Temple Sandhurst Road ... | Do. Do. ... | 700 | Do. | 700 0 |
| Ramji Keshawji ... | Donation for fencing Fountain at King's Circle ... | Do. Do ... | 500 | 97 3 | 485 15 |
| Fire Services Committee ... | Donation for maintenance of monyment erected to commemorate the services of members who lost their lives in explosion of 1944 ... | Do. Do. ... | 1,000 | 93 4 | 932 8 |
| | | Total ... | 52,000 | | 48,342 15 |
| Mrs. A. M. Stewart ... | Donation for maintenance of Cemetery No 20 at Antop Hill for the European Jewish Community. | 3 per cent. Municipal Debentures | 2,500 | Par | 2,500 0 |
| Rao Bahadur Ellappa Balaram ... | Donation for the maintenance of a Charitable Dispensary at Kamathipura ... | 4 per cent. Bombay Improvement Trust Loan due 1966 ... | 5,000 | Par | 19,500 0 |
| | | 4 per cent. Bombay Improvement Trust Loan due 1972 ... | 14,500 | Do. | |
| Bai Lingoobai, widow of Rajanna Jalooji ... | Do. do. do. do. | 3 per cent. Conversion Loan 1946 ... | 10,700 | Do. | 10,700 0 |
| Colaba Free Dispensary ... | Donation for the maintenance of Assets of the dispensary taken over by the Municipality on its taking over the dispensary. | 4 per cent. Government Loan 1960-70 ... | 1,200 | 87 10 | 1,051 8 |
| Joint Honorary Secretaries and Treasurers, George V Anti-Tuberculosis League. | Donation for the maintenance of Assets transferred to the Municipality on its taking over the League. | 3 per cent. Conversion Loan 1946 ... | 1,000 | Par | 21,000 0 |
| | | 4 per cent. Municipal Debentures due 1954 ... | 20,000 | Do. | |
| Mr. Shapurji Sorabji ... | Donation in connection with the house in Khetwadi given by him for being used as a Maternity Home. | 3 per cent. Conversion Loan 1946 ... | 5,000 | Do. | 10,000 0 |
| | | 3 per cent. Conversion Loan 1946 ... | 5,000 | Do. | |
| Messrs. Little & Co. ... | Amount representing balance out of the amount set apart for the purchase of Bai Gowrabai Dispensary Building at Kamathipura. | 4 per cent. Loan 1960-70 ... | 2,900 | 88 0 | 2,552 0 |
| Do. | Donation for meeting charges for repairs, etc., to Bai Gowrabai Dispensary at Kamathipura. | 3 per cent. Municipal Debentures ... | 5,000 | Par | 5,000 0 |
| Unspent balance out of the donation from the estate of the late Mr. Mahomed Haji Saboo Sidick | Donation for establishing and maintaining Maternity Homes in Bombay ... | 3 per cent. Municipal Debentures ... | 52,600 | Par | 52,600 0 |
| | | Total ... | 1,22,900 | | 1,22,403 8 |
| | | | | | 1,73,246 7 |
| *Cash held with the Imperial Bank of India ... | | | | | * 92 0 |
| | | Grand Total Rs. ... | 1,77,400 | | 1,73,338 7 |

T. V. DORAISWAMY,
*Chief Accountant.*

* The balance of Cash after reinvestment of the proceeds of 3½ per cent Loan 1947-50 repaid by Govt. in respect of this donation is presently held in Cash with the Imperial Bank.

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 16-C.

*Statement showing the amounts of and object for which the endowments held under Endowment Fund were received from different parties upto 31st March 1953.*

| Name of donor. | Object for which the endowment is given. | Particulars of Securities. | Face value. | Rate per cent. | Book value. |
|---|---|---|---|---|---|
| | *Scholarships and Prizes.* | | Rs. | Rs. a. | Rs. a. |
| The Bhawnagar Durbar ... | "Bhawnagar State Entrance Scholarship" at G. S. M. College ... | 4 per cent. Government Loan 1960-70 ... | 5,900 | 88 0 | 5,192 0 |
| Dr. N. A. Purandare ... | "Savitribai Purandare Prize" at K. E. M. Hospital ... | Do. do. ... | 300 | Par | 300 0 |
| | | 3 per cent. Conversion Loan 1946 ... | 100 | Par | 100 0 |
| Mr. Tulsidas H. Parekh ... | "Bai Bachubai Thakurdas Parekh Entrance Scholarship" at G. S. M. College. | 4 per cent. Government Loan 1960-70 ... | 3,700 | 88 0 | 3,256 0 |
| Mr. Lalji Naranji ... | "Lalji Naranji Scholarship" at G. S. M. College ... | Do. do. ... | 4,500 | 88 0 | 3,960 0 |
| Mr. Chaturbhuj Gordhandas Sunderdas ... | "Chaturbhuj Gordhandas Sunderdas Scholarship" and "Bai Gangabai Gordhandas Sunderdas Scholarship" at G. S. M. College. | Do. do. ... | 9,100 | 88 0 | 8,008 0 |
| Dr. (Mrs.) Dossibai Jehangir Rattanshaw Dadabhoy, M.D., M.R.C.P. (Lond.). | "Awabai Rattanshaw Dadabhoy Scholarship" at G. S. M. College. | Do. do. ... | 3,900 | 88 0 | 3,432 0 |
| | | 3 per cent. Conversion Loan 1946 ... | 200 | Par | 200 0 |
| Mr. Jehangir Rattanshaw Dadabhoy ... | "Rattanshaw Dadabhoy Scholarship" at G. S. M. College ... | 4 per cent. Government Loan 1960-70 ... | 3,900 | 88 0 | 3,432 0 |
| The Honorary Staff and Professors of the K. E. M. Hospital and G. S. M. College. | "Bahadurji Memorial Scholarship in Surgery" at G. S. M. College. ... | Do. do. ... | 3,900 | 88 0 | 3,432 0 |
| The Trustees of Dr. Choksy's Entertainment Fund. | Donation for endowing a Gold Medal called "Sir Nusserwanji Choksy Memorial Prize Medal" at G. S. M. College. | 3 per cent. Conversion Loan ... | 2,100 | 93 7 | 1,962 3 |
| | | 3 per cent. Municipal Debentures ... | 100 | Par | 100 0 |
| | | 4 per cent. Government Loan 1960-70 ... | 100 | Par | 100 0 |
| | | | 200 | 97 5 | 194 10 |
| | | 3 per cent. Government Loan 1963-65 ... | 300 | 98 6 | 295 2 |
| | | | 200 | 98 0 | 196 0 |
| H. H. the Maharana Shri Sir Doulatsingji, K.C.I.E., Thakore Saheb of Limbdi. | Donation for awarding a gold medal and a miniature replica of the Challenge Cup. | 3 per cent. Conversion Loan ... | 1,900 | 93 7 | 1,775 5 |
| Dr. Shirwalkar Memorial Fund Committee ... | "Dr. Shirwalkar, General Proficiency Scholarship and Medals" at G. S. M. College. | 3 per cent. Conversion Loan 1946 ... | 6,000 | Par | 6,000 0 |
| | | Do. do. ... | 3,000 | Par | 3,000 0 |
| | | 4 per cent. Municipal Debentures ... | 2,000 | Par | 2,000 0 |
| Mr. Dhungavri Rangildas Desai ... | Donation for endowing two prizes of Rs. 20 each to the Nurses of the K. E. M. Hospital. | 4 per cent. Bombay Port Trust Bonds 1913 ... | 1,000 | Par | 1,000 0 |
| Dr. E. Moses ... | "Mrs. Abigail Elijah Moses Prize" at K. E. M. Hospital ... | 3 per cent. Conversion Loan 1946 ... | 500 | Par | 500 0 |
| | | 3 per cent. Conversion Loan 1946 ... | 100 | 101 0 | 101 0 |
| | | 3 per cent Conversion Loan 1946 ... | 1,000 | Par | 1,000 0 |
| | | 4 per cent. Government Loan 1960-70 ... | 9,000 | 88 0 | 7,920 0 |
| Messrs. Win and Co., Solicitors, on behalf of the executors of the will of the late Mr. Kassamji Ranchhodji Desai. | "Kassamji Ranchhodji Prize" at K. E. M. Hospital ... | 3 per cent. Government Loan 1963-65 ... | 1,200 | 98 6 | 1,180 8 |
| | | 3 per cent. Conversion Loan 1946 ... | 900 | 101 0 | 909 0 |
| | | 3 per cent. Municipal Debentures ... | 300 | Par | 300 0 |
| | | 3 per cent. Conversion Loan 1946 ... | 500 | Par | 500 0 |
| Dr. H. D'Sa ... | Mrs. D'Sa Memorial Gold Medal at G. S. M. College ... | 4 per cent. Bombay Port Trust Debentures ... | 3,000 | Par | 3,000 0 |
| Mrs. Luxmibai Kane ... | Dr. G. W. Kane Memorial Gold Medal at G. S. M. College ... | 3 per cent. Conversion Loan 1946 ... | 1,200 | 101 0 | 1,212 0 |
| Mr. N. Dhume ... | Narayan Dhume Prize at G. S. M. College ... | 3 per cent. Conversion Loan 1946 ... | 1,000 | Par | 1,000 0 |
| Mr. Parmanand Krishnarao Rele ... | Dakurnath Krishnarao Rele Prize ... | 3 per cent. Conversion Loan 1946 ... | 500 | 101 0 | 505 0 |
| Prof. Khanolkar Farewell Fund Committee ... | Prof. V. R. Khanolkar Prizes ... | 3 per cent Conversion Loan 1946 ... | 5,700 | Par | 5,700 0 |
| Dr. P. T. Patel Memorial Fund Committee ... | Dr. P. T. Patel Entrance Scholarship at G. S. M. College ... | Do. ... | 1,900 | Par | 1,900 0 |
| | | Do. ... | 5,200 | Par | 5,200 0 |
| Do. Do. | Dr. P. T. Patel Prize at G. S. M. College ... | Do. ... | 100 | Par | 100 0 |
| | | Do. ... | 3,100 | Par | 3,100 0 |
| Seth G. S. M. College & K. E. M. Hospital Staff Farewell Fund Committee. ... | The Seth G. S. M. College and K. E. M. Hospital Staff Fund for awarding prizes and making grants for attending Medical & Scientific conferences etc. ... | Do. ... | 9,400 | Par | 9,400 0 |
| | | ... | 1,700 | Par | 1,700 0 |
| | | ... | 2,100 | Par | 2,100 0 |
| Dr. R. N. Cooper. ... | Jangoo Shavaksha Marzban Prize ... | Do. ... | 9,000 | Par | 9,000 0 |
| Dr. R. N. Cooper. ... | Bai Banoobai Nusserwanji Cooper Prize ... | Do. ... | 1,900 | Par | 1,900 0 |
| Lakdawala Sisters ... | Mrs. Soonamai Bapuji Cama Prizes ... | Do. ... | 500 | Par | 500 0 |
| Dr. Padshah Memorial Committee ... | Dr. Padshah Research Scholarship ... | Do. ... | 34,000 | Par | 34,000 0 |
| Mr. V. H. Hazrat ... | Miss. Manorama Hazrat Memorial Prize ... | Do. ... | 1,900 | Par | 1,900 0 |
| Dr. R. V. Phansalkar ... | Vasant Phansalkar Memorial Prize ... | Do. ... | 1,600 | Par | 1,600 0 |
| Dr. K. W. Dani ... | K. W. Dani Scholarship at G. S. M. College. ... | Do. ... | 1,000 | Par | 1,000 0 |
| | | Scholarships—Total, Carried over Rs. ... | 1,50,700 | | 1,45,162 12 |

# Appendix 16-C—(*Contd.*).

| Name of donor. | Object for which the endowment is given. | Particulars of Securities. | Face value. | Rate per cent. | Book value. |
|---|---|---|---|---|---|
| | | Brought forward Rs. ... | Rs. 1,50,700 | Rs. a. | Rs. a. 1,45,162 12 |
| Dr. A. L. Nair ... | Dr. A. L. Nair Memorial Scholarship and Prize Distribution Fund" at T. N. M. College ... | 3 per cent. Conversion Loan 1946 ... | 7,300 | Par | 7,300 0 |
| Master Vishwanath Narayan Sambhoo and Dr. N. V. Ajinkye. | " Master Vishwanath Narayan Sambhoo Scholarship and Dr. N. V Ajinkya's Silver Medal" at T. N. M. College ... | Do. ... | 3,200 | Par | 3,200 0 |
| Dr. V. G. Rele ... | "Dr. V. G. Rele Gold Medal" at T. N. M. College. | Do. ... | 300 | Par | 300 0 |
| Dr. D. B. Pandya ... | "Dr. D. B. Pandya's Prize in Books" at T. N. M. College. | Do. ... | 1,000 | Par | 1,000 0 |
| Dr. H. A. Maniar ... | "Dr. H. A. Maniar Gold Medal" at T. N. M. College ... | Do. ... | 1,000 | Par | 1,000 0 |
| Shankarsheth Family ... | For maintenance of a bed at B. Y. L. Nair Hospital ... | Do. ... | 30,500 | Par | 30,500 0 |
| Dr. P. C. Bharucha ... | "For the library at G. S. M. College" ... | 3½ per cent. Bombay Municipal Debentures ... | 99,000 | 100-8 | 99,495 0 |
| Dr. Bacha Memorial Fund ... | "For purchase of books and journals for the library at G. S. M. College ... | 3 per cent. Conversion Loan 1946 ... | 25,000 | Par | 25,000 0 |
| Dr. N. A. Purandare Prize ... | "Dr. N. A. Purandare Prize in midwifery and Gynaecology" ... | Do. ... | 100 | Par | 100 0 |
| | | 4 per cent. B. I. T. Debentures ... | 1,000 | Par | 1,000 0 |
| | | 4 per cent. Municipal Debentures ... | 3,500 | Par | 3,500 0 |
| Dr. Dudha ... | ,, Dudha Memorial Fund ... | 3 per cent. Conversion Loan 1946 ... | 1,600 | 99-8 | 1,592 0 |
| Dr. D. D. Sathe ... | ,, D. D. Sathe Prize in Anatomy ... | 3 per cent. Conversion Loan 1946 ... | 1,000 | 99-8 | 995 0 |
| Dr. Miss. S. R. Malyankar ... | ,, Miss. S. R. Malyankar Prize ... | 3 per cent. ConversionLoan 1946 ... | 300 | 99-10 | 298 14 |
| M. M. Parab ... | M. M. Parab Endowment Prize ... | 3½ per cent. Government Loan 1954-59 ... | 4,400 | Par | 4,400 0 |
| The President T.N.M. College Students' Gathering Committee. | Mahatma Gandhi Memorial Fund. ... | 3% Conversion Loan 1946 ... | 1,400 | 98-7 | 1,378 2 |
| Dr. A. E. D'Sa ... | The Clemantina Desa Scholarship ... | 3% Conversion Loan 1946 ... | 10,000 | 97-3 | 9,718 12 |
| Dr P. F. Soonawala ... | Dr. Soonawala gold medal in medicine ... | Do. do. ... | 4,000 | 97-6 | 3,895 0 |
| Dr. S. B. Parchure ... | Dr. Parchure prize ... | 3% Conversion Loan 1946 ... | 3,000 | 97-6 | 2,921 4 |
| | ... | Do. do. ... | 2,500 | Par | 2,500 0 |
| Dr. M.N. Billimoria ... | Dr. Manek Billimoria prize in Palhology ... | 3% development Loan 1970-75 ... | 500 | Do. | 500 0 |
| Dr. Variava ... | Dr. Varjava Scholarship in Anatomy ... | 3% Conversion Loan 1946 ... | 1,000 | 93 | 930 0 |
| Shri Ladha Chapsi ... | Seri Ladha Chapsi Scholarship ... | Do. do. ... | 16,100 | 92-15-6 | 14,967-15-6 |
| Trustees of the Estate of the late Dr. Homi D. Gandhi ... | Dr. Homi D. Gandhi Scholarship ... | Do. do. | 3,500 | 81-2 | 2,839 6 |
| | | Do. do. ... | 15,100 | 80 4 | 12,117 12 |
| Dr. G. P. Nair ... | Dr. G. P. Nair Scholarship for Embroyology ... | Do. do. | 600 | 81-2 | 486 12 |
| | | Do. do. ... | 3,000 | 80-4 | 2,407 8 |
| Smt. Shushila M. Desai ... | Donation for purchasing Journals on Aneathesia and of a library on Aneathesia. | Do. do. ... | 10,000 | Par | 10,000 0 |
| | | Scholarship, Total Rs. ... | 4,00,600 | | 3,89,506-1-6 |
| | *Clothing.* | 3 per cent. Conversion Loan 1946. ... | 10,000 | Par | 10,000 0 |
| | | Do. do. ... | 18,600 | Par | 18,600 0 |
| | | Do. do. ... | 2,000 | Par | 2,000 0 |
| Messrs. Ardeshir Hormasji Dinshaw and Co., on behalf of the Advocate-General. | Donation for the grant of warm clothing to patients discharged from the K. E. M. Hospital out of interest realised on securities. | 4 per cent. Government Loan 1960-70 ... | 8,000 | 88 0 | 7,040 0 |
| | | 4 per cent. Government Loan 1960-70 ... | 4,800 | 87 10 | 4,206 0 |
| | | 4 per cent. Government Loan 1960-70 ... | 2,000 | 76 5 | 1,526 4 |
| | | 3 per cent. Loan 1963-65 ... | 4,000 | 98 0 | 3,920 0 |
| | | 4 per cent. Bombay Improvement Trust Debentures ... | 100 | Par | 100 0 |
| | | Clothing, Total Rs. ... | 49,500 | | 47,392 4 |
| | *Education.* | | | | |
| President, Dharmajirao Rokade Free Reading Room & Library | Donation for the Promotion of Education among the masses ... | 3 per cent. Conversion Loan 1946. ... | 900 | Par | 900 0 |
| | | Education Total Rs. ... | 900 | | 900 0 |
| | *Poor Box Charity.* | | | | |
| Mr. Mansukhlal Chaganlal ... | Donation towards the Poor Box Charity Fund at K. E. M. Hospital ... | 4 per cent. Government Loan 1960-70 ... | 5,700 | 88 12 | 5,058 12 |
| The Estate Agent, Bombay Improvement Trust on behalf of the staff. | Donation towards the Poor Box Charity Fund ... | 4 Do. do. 1960-70 ... | 100 | 88 0 | 88 0 |
| Mr. Malloo Baloo ... | Donation in memory of Bai Rajiabai Malloo Yadav towards the Poor Box Charity Fund. | 3 per cent. Municipal Debentures ... | 1,000 | Par | 1,000 0 |
| | | Poor Box Charity, Total Rs. ... | 6,800 | | 6,146 12 |
| | | Carried forward Rs. ... | 4,57,800 | | 4,43,945- 1-6 |

## Appendix No. 16-C—(*Concluded.*)

| Name of donor. | Object for which the endowment is given. | Particulars of Securities. | Face value. | Rate per cent. | Book value. |
|---|---|---|---|---|---|
| | | Brought over Rs. ... | 4,57,800 | | 4,43,945- 1-6 |
| | *Convalescent Home.* | | | | |
| Dean, K.E.M. Hospital and purchased out of accumulated interest on the Securities held in the fund ... | Donation out of Poor Box Charity Fund for a Convalescent Home ... | 3 per cent. Conversion Loan 1946 ... | 6,400 | 92-13 | 5,940 0 |
| | | 3 per cent. Conversion Loan 1946. ... | 1,60,700 | Par | 1,60,700 0 |
| | | 4 Do. Government Loan 1960-70 ... | 20,000 | Par | 20,000 0 |
| | | 4 Do. Bombay Port Trust Debentures ... | 4,000 | Do. | 4,000 0 |
| | | 4 Do. Bombay Improvement Trust Debentures ... | 24,000 | Do. | 24,000 0 |
| | | 5 Do. Bombay Municipal Debentures ... | 18,000 | Do. | 18,000 0 |
| | | 3 Do. do. do. ... | 36,000 | Do. | 36,000 0 |
| | | 3½ Do. do. ... | 2,200 | Par | 2,200 0 |
| | | 3 Conv. Loan 1946 ... | 10,000 | Do. | 10,000 0 |
| | | 3½ Bombay Municipal Debentures ... | 10,000 | Do. | 10,000 0 |
| | | 3% Conversion Loan 1946 ... | 12,700 | 93-7 | 11,866 9 |
| | | 3½% Bombay Municipal Dbentuers ... | 500 | Par | 500 0 |
| | *Blood Bank.* | 3½% Bombay State Development Loan 1962 :— ... | 40,000 | Do. | 40,000 0 |
| Seth Shantilal Mathuradas Parikh ... | Endowment for the maintenance of a Blood Bank (out of Rs.1 lac donated for construction and maintenance of Blood Bank. | Convalescent Home, Total Rs. ... | 3,44,500 | | 3,43,206 9 |
| | | 3 per cent. Conversion Loan, 1946 | 38,600 | Par | 38,600 0 |
| | | Grand Total Rs. ... | 8,40,900 | | †8,25,751 10-6 |

T. V. DORAISWAMY,
*Chief Accountant.*

† Including the Cash balance of Rs. 269-3-11 with the Imperial Bank of India in respect of the Convalescent Home, the Endowment Fund stands at Rs. 8,26,020-14-5 as Shown in Appendix No. 6

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 17

*Statement showing the Quantity and Value of Several Articles upon which Town duty was Levied during 1952–53 under Sec. 192 (1) of the Bombay Municipal Corporation Act of 1888.*

| Months and Year. | Grain and Pulse at As. 2 per Maund. | | Flour of all sorts at As. 1 and 6 pies. Per Maund. | | Wines and Spirits at Re. 1 per Gallon | | Beer at As. 2 per Gallon | | Sugar at As. 12 per Cwt. | | Ghee vegetable Products at Re. 1 per Qr. | | Timber at 3 per cent on Market Value | | Firewood at As. 9 per Ton. | | Charcoal at Re 1 per Ton. | | Tea at pies 6 per lb. | | Coal at As. 7 per ton. | | Dry date at As. 6 per Cwt | | Wet date at As. 4 per Cwt | | PAPER | | | | | | Tinned provision at 61 per cent advalorem. | | Tinned provision at 51% advalorem. | | Paddy at As. 1 Per Maund |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Cement at Re. 1 per ton. | | Iron and Steel at Rs. 21 per ton. | | News print at As. 5 per Cwt. | | Card and other like papers at Re. 1 per Cwt. | | Straw Board at As. 3 per Cwt. | | | | | |
| | Maunds. | Amount of duty | Maunds. | Amount of duty | Gallons. | Amount of duty | Gallons | Amount of duty | Cwts | Amount of duty | Quarter. | Amount of duty | Value | Amount of duty | Tons | Amount of duty | Tons | Amount of duty | Lbs. | Amount of duty | Tons | Amount of duty | Cwts. | Amount of duty | Cwts. | Amount of duty | Tons. | Amount of duty | Tons. | Amount of duty | Cwts. | Amount of duty | Cwts. | Amount of duty | Cwts. | Amount of duty | Value | Amount of duty | Value. | Amount of duty | Maunds. | Amount of duty |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | Rs. | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | Rs. | Rs. | Rs. | Rs. | | |
| I.—Duty collected by B.P.T.— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 1952 ... | 25,125 | 3,177 | 3,455 | 324 | 10,563 | 10,563 | 25,046 | 3,258 | 6 | 5 | 13,754 | 13,764 | 9,16,307 | 27,489 | 5,191 | 2,920 | 452 | 452 | 4,65,276 | 14,540 | 100 | 44 | 3,614 | 1,355 | 4,821 | 1,205 | 15,140 | 15,140 | 5,204 | 13,010 | 20,072 | 9,087 | 1,314 | 1,314 | 44,186 | 8,285 | 4,96,478 | 31,030 | ... | ... | 1,742 |
| May 1952 ... | 15,902 | 1,988 | 40 | 4 | 5,103 | 5,103 | 31,319 | 4,177 | 700 | 526 | 11,565 | 11,565 | 9,16,532 | 27,495 | 3,005 | 1,724 | 517 | 517 | 10,37,740 | 23,674 | 300 | 131 | 8,541 | 3,136 | 7,696 | 1,964 | 10,433 | 10,433 | 4,072 | 10,270 | 18,741 | 9,057 | 2,382 | 2,382 | ... | ... | 7,76,38 | 48,171 | ... | ... | 667 |
| June 1952 ... | 22,243 | 2,781 | 565 | 56 | 3,763 | 3,763 | 19,434 | 2,722 | 1,068 | 801 | 12,253 | 12,253 | 9,16,735 | 27,502 | 33 | 21 | 9 | 9 | 14,33,362 | 45,416 | ... | ... | 8,944 | 3,016 | 5,287 | 1,322 | 9,024 | 9,024 | 3,673 | 9,257 | 16,814 | 8,238 | 2,003 | 2,003 | 51 | 9 | 7,17,098 | 44,278 | ... | ... | 136 |
| July 1952 ... | 30,411 | 3,754 | 2,866 | 294 | 4,923 | 4,923 | 25,652 | 3,848 | 1,005 | 754 | 12,253 | 12,253 | 9,16,927 | 27,508 | ... | ... | ... | ... | 9,09,982 | 29,353 | ... | ... | 6,455 | 2,421 | 61 | 15 | 13,934 | 13,934 | 5,563 | 13,907 | 24,014 | 12,007 | 1,193 | 1,193 | 1,101 | 236 | 10,05,308 | 61,025 | ... | ... | ... |
| August 1952 ... | 29,933 | 3,747 | 4,139 | 406 | 6,741 | 6,741 | 39,753 | 4,964 | 78 | 59 | 1,567 | 1,567 | 9,16,879 | 27,506 | ... | ... | ... | ... | 13,32,755 | 41,649 | ... | ... | 21,195 | 7,918 | 171 | 28 | 11,729 | 11,729 | 7,552 | 19,917 | 31,120 | 14,412 | 2,580 | 2,580 | 694 | 140 | 10,05,308 | 61,025 | ... | ... | 1,733 |
| September 1952 ... | 33,534 | 4,192 | 15 | 1 | 5,249 | 5,249 | 18,176 | 2,747 | 162 | 76 | 15,579 | 15,579 | 9,16,532 | 27,502 | 70 | 40 | 73 | 73 | 8,10,452 | 25,000 | ... | ... | 26,729 | 10,773 | 34,922 | 8,733 | 11,267 | 11,267 | 3,298 | 8,210 | 21,247 | 8,993 | 4,979 | 4,979 | 724 | 145 | 9,61,617 | 2,28,951 | ... | ... | 1,733 |
| October 1952 ... | 21,954 | 2,744 | 572 | 51 | 8,432 | 8,432 | 10,756 | 1,554 | 1 | 1 | 12,253 | 12,253 | 9,16,707 | 27,507 | 1,487 | 837 | 109 | 109 | 12,87,072 | 40,349 | 48 | 19 | 16,918 | 86,079 | 21,320 | 15,799 | 14,299 | 9,941 | 9,843 | 47,144 | 14,233 | 8,410 | 8,410 | 682 | 174 | 12,63,140 | 77,250 | ... | ... | 1,131 |
| November 1952 ... | 54,538 | 6,816 | 2,753 | 298 | 7,594 | 7,594 | 14,849 | 2,356 | 19 | 8 | 11,579 | 11,579 | 9,16,704 | 27,513 | 4,984 | 2,803 | 25 | 25 | 10,21,946 | 30,666 | 24 | 11 | 39,153 | 11,339 | 1,28,064 | 32,241 | 12,695 | 12,695 | 6,084 | 17,260 | 30,429 | 12,011 | 1,708 | 1,708 | 1,439 | 230 | 12,22,791 | 79,350 | ... | ... | 1,363 |
| December 1952 ... | 41,255 | 5,157 | 61 | 6 | 8,275 | 8,275 | 10,914 | 1,529 | 1,912 | 1,340 | 11,926 | 11,926 | 9,16,494 | 27,503 | 7,958 | 4,476 | 106 | 106 | 11,47,458 | 35,870 | ... | ... | 4,700 | 1,793 | 76,967 | 19,242 | 11,317 | 11,317 | 5,297 | 13,241 | 15,201 | 11,311 | 2,103 | 2,115 | 1,271 | 426 | 9,85,134 | 64,258 | ... | ... | 275 |
| January 1953 ... | 1,27,456 | 15,929 | 4,716 | 442 | 6,382 | 6,382 | 11,011 | 1,529 | 13,465 | 10,098 | 11,251 | 11,251 | 7,25,452 | 21,716 | 6,452 | 3,646 | 31 | 31 | 6,31,049 | 20,346 | ... | ... | 25,963 | 9,736 | 59,653 | 14,913 | 13,148 | 13,148 | 5,304 | 13,261 | 44,227 | 17,241 | 2,075 | 2,075 | 1,149 | 222 | 9,91,74 | 59,163 | ... | ... | 4,098 |
| February 1953 ... | 28,353 | 3,794 | 87 | 8 | 7,162 | 7,162 | 15,776 | 2,351 | 1,515 | 1,014 | 12,260 | 12,260 | 9,16,250 | 27,497 | 9,070 | 5,102 | 166 | 166 | 8,41,348 | 26,292 | ... | ... | 21,241 | 7,965 | 43,179 | 10,415 | 10,211 | 10,211 | 5,565 | 13,962 | 42,936 | 13,417 | 6,158 | 6,158 | 2,194 | 397 | 13,03,334 | 81,171 | ... | ... | 1,443 |
| March 1953 ... | 2,28,047 | 28,506 | ... | ... | 11,677 | 11,677 | 36,203 | 4,536 | 5,553 | 3,719 | 8,141 | 8,141 | 6,34,279 | 19,028 | 6,779 | 3,813 | 129 | 129 | 15,27,390 | 47,751 | ... | ... | 14,435 | 5,265 | 32,330 | 8,092 | 14,521 | 14,521 | 2,277 | 6,443 | 43,718 | 14,662 | 5,763 | 5,763 | 789 | 148 | 16,52,416 | 1,03,301 | ... | ... | 5,542 |
| Total ... | 10,47,764 | 1,30,983 | 18,815 | 1,764 | 86,725 | 86,725 | 2,76,528 | 34,566 | 23,559 | 22,168 | 1,13,769 | 1,13,769 | 86,16,188 | 2,58,486 | 45,144 | 25,382 | 1,617 | 1,617 | 1,31,12,890 | 4,09,278 | 424 | 186 | 2,17,422 | 81,533 | 4,80,440 | 1,20,110 | 1,57,675 | 1,57,675 | 70,101 | 1,75,254 | 3,91,067 | 1,23,146 | 43,314 | 43,314 | 51,458 | 10,151 | 1,03,47,343 | 10,21,709 | ... | ... | 18,153 |
| I.—Duty collected by Central Railways— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 1952 ... | 7,63,725 | 95,403 | ... | ... | 4,581 | 4,581 | ... | ... | 3,99,471 | 2,25,353 | 11,610 | 11,610 | 3,57,416 | 10,723 | 266 | 150 | 14,901 | 14,901 | 16,08,250 | 50,258 | 13,384 | 5,855 | 5 | 2 | 110 | 28 | 387 | 387 | 19,500 | 48,976 | ... | ... | 1,120 | 1,120 | 3,573 | 670 | 2,62,000 | 15,401 | ... | ... | ... |
| May 1952 ... | 10,66,658 | 1,33,332 | ... | ... | 3,249 | 3,249 | ... | ... | 2,03,537 | 1,17,968 | 9,003 | 9,003 | 4,54,289 | 13,625 | ... | ... | 10,811 | 10,811 | 13,63,544 | 42,642 | 4,332 | 1,691 | 13 | 5 | ... | ... | 322 | 322 | 20,147 | 50,368 | ... | ... | 424 | 424 | ... | ... | 3,20,043 | 9,310 | ... | ... | ... |
| June 1952 ... | 6,90,198 | 86,268 | ... | ... | 11,005 | 11,005 | ... | ... | 1,10,571 | 62,500 | 7,736 | 7,736 | 7,41,338 | 22,239 | ... | ... | 12,236 | 12,236 | 13,31,038 | 41,646 | 5,034 | 2,202 | 326 | 35 | ... | ... | 986 | 986 | 18,927 | 47,317 | 436 | 1,037 | ... | ... | 2,028 | 390 | 2,48,726 | 15,517 | ... | ... | ... |
| July 1952 ... | 4,49,966 | 56,121 | 477 | 45 | 4,969 | 4,969 | ... | ... | 1,41,312 | 1,05,484 | 8,235 | 8,235 | 6,76,795 | 21,097 | ... | ... | 14,026 | 14,026 | 13,39,576 | 48,112 | 18,847 | 8,216 | 1,012 | 391 | 159 | 39 | 772 | 772 | 18,443 | 1,40,107 | 9,108 | 2,565 | ... | ... | 1,641 | 115 | 1,67,915 | 10,184 | ... | ... | ... |
| August 1952 ... | 7,65,217 | 95,652 | ... | ... | 11,632 | 11,632 | ... | ... | 1,35,209 | 1,33,106 | 8,716 | 8,716 | 11,06,552 | 33,206 | ... | ... | 21,035 | 21,035 | 10,46,540 | 31,707 | 10,058 | 4,374 | 544 | 204 | ... | ... | 1,561 | 1,561 | 18,033 | 4,05,052 | 4,581 | 1,169 | ... | ... | 2,624 | 492 | 2,80,064 | 17,543 | ... | ... | ... |
| September 1952 ... | 4,79,141 | 51,173 | ... | ... | 14,115 | 14,115 | ... | ... | 90,279 | 89,234 | 8,196 | 8,196 | 8,67,676 | 26,030 | ... | ... | 13,719 | 13,719 | 11,01,015 | 33,031 | 2,557 | 23,492 | 10,278 | ... | ... | ... | 526 | 526 | 15,029 | 3,30,253 | 341 | 22 | ... | ... | 1,188 | 238 | 2,65,763 | 16,740 | ... | ... | ... |
| October 1952 ... | 5,09,360 | 63,670 | ... | ... | 14,110 | 14,110 | ... | ... | 1,29,938 | 1,29,096 | 11,521 | 11,521 | 8,31,795 | 25,000 | ... | ... | 11,241 | 11,241 | 13,59,999 | 40,800 | 19,547 | 19,547 | 1,21,208 | 3,788 | 16,017 | 7,017 | 71 | 71 | 15,111 | 97,342 | 144 | 144 | ... | ... | 2,644 | 343 | 2,27,342 | 13,740 | ... | ... | ... |
| November 1952 ... | 1,43,624 | 17,953 | ... | ... | 7,155 | 7,155 | ... | ... | 58,599 | 42,078 | 9,551 | 9,551 | 4,33,101 | 13,000 | 55 | 30 | 11,155 | 11,155 | 24,529 | 766 | 13,498 | 5,906 | ... | ... | ... | ... | ... | 36,095 | 10 | 3 | ... | ... | 72 | 14 | 37,168 | 2,233 | ... | ... | ... |
| December 1952 ... | 2,62,656 | 32,830 | ... | ... | 12,705 | 12,705 | ... | ... | 1,13,104 | 53,103 | 10,145 | 10,145 | 4,00,017 | 12,000 | 88 | 50 | 14,585 | 14,585 | 3,850 | 119 | 18,962 | 8,296 | ... | ... | ... | ... | ... | 26,176 | ... | ... | ... | ... | ... | ... | 28,176 | 1,627 | ... | ... | ... |
| January 1953 ... | 3,56,749 | 44,594 | 518 | 51 | 7,965 | 7,965 | ... | ... | 2,59,093 | 1,57,137 | 12,144 | 12,144 | 3,72,721 | 11,182 | 41 | 23 | 10,678 | 10,678 | 21,914 | 684 | 4,324 | 1,812 | 176 | 65 | ... | ... | ... | 19,955 | ... | ... | ... | ... | ... | ... | 19,955 | 1,190 | ... | ... | ... |
| February 1953 ... | 8,19,330 | 1,02,416 | 537 | 51 | 7,259 | 7,259 | ... | ... | 2,33,722 | 1,29,791 | 9,628 | 9,628 | 4,01,673 | 12,050 | 61 | 35 | 9,514 | 9,514 | 67,234 | 2,102 | 10,032 | 4,269 | ... | ... | ... | ... | ... | 46,509 | ... | ... | 12 | 12 | 1,098 | 818 | 47,201 | 1,955 | ... | ... | ... |
| March 1953 ... | 6,92,620 | 87,703 | 1,096 | 109 | 4,092 | 4,092 | ... | ... | 2,59,959 | 1,70,080 | 11,119 | 11,119 | 5,06,333 | 15,000 | ... | ... | 14,692 | 14,692 | 10,509 | 5,500 | ... | ... | ... | ... | ... | ... | ... | 15,236 | 38,889 | ... | ... | ... | ... | 1,553 | 292 | 2,56,619 | 1,814 | ... | ... | ... |
| Total ... | 70,73,077 | 8,81,115 | 1,601 | 151 | 1,01,108 | 1,01,108 | ... | ... | 19,50,515 | 14,69,611 | 1,10,597 | 1,10,597 | 64,23,443 | 1,92,703 | 511 | 288 | 1,63,756 | 1,63,756 | 72,74,194 | 2,27,319 | 1,43,510 | 62,786 | 2006 | 752 | 269 | 67 | 4,675 | 1,625 | 2,17,656 | 5,41,143 | 17,105 | 5,346 | 1,555 | 1,555 | 17,663 | 3,112 | 12,61,681 | 79,043 | ... | ... | ... |
| III.—Duty collected by Western Rlys— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 1952 ... | 92,145 | 11,518 | 8,216 | 770 | 400 | 400 | ... | ... | 59,638 | 33,023 | 11,899 | 11,899 | 5,19,030 | 15,597 | 4,070 | 2,401 | 3,844 | 3,844 | 5,696 | 178 | 142 | 62 | ... | ... | ... | ... | 464 | 464 | 171 | 435 | ... | ... | 94 | 94 | 2,098 | 193 | 1,68,383 | 10,524 | 5,32,842 | 16,651 | ... |
| May 1952 ... | 1,14,935 | 14,354 | 2,376 | 223 | ... | ... | ... | ... | 41,458 | 31,101 | 12,731 | 12,731 | 3,93,225 | 11,977 | 4,018 | 2,260 | 3,160 | 3,160 | 1,712 | 54 | 118 | 52 | ... | ... | ... | ... | 533 | 533 | 108 | 4,10 | ... | ... | ... | ... | 4,241 | 1,063 | ... | ... | ... |
| June 1952 ... | 1,31,449 | 16,431 | 6,803 | 638 | ... | ... | ... | ... | 12,715 | 13,397 | 14,901 | 14,901 | 4,17,100 | 12,513 | 3,324 | 1,870 | 3,721 | 3,721 | 23,574 | 737 | ... | ... | ... | ... | ... | ... | 738 | 738 | 43 | 107 | ... | ... | ... | ... | 5,100 | 1,033 | 2,31,095 | 5,700 | 4,11,472 | 17,858 | ... |
| July 1952 ... | 1,05,282 | 13,160 | 2,072 | 194 | ... | ... | ... | ... | 15,652 | 11,796 | 15,762 | 15,762 | 5,01,100 | 15,033 | 6,128 | 3,475 | 3,231 | 3,231 | 906 | 28 | ... | ... | ... | ... | ... | ... | 1,561 | 1,561 | 227 | 564 | ... | ... | 19 | 19 | 6,186 | 1,100 | 74,042 | 4,628 | 5,16,730 | 16,148 | ... |
| August 1952 ... | 2,69,823 | 33,693 | 2,466 | 231 | ... | ... | ... | ... | 37,038 | 29,031 | 32,699 | 32,699 | 6,25,350 | 18,760 | 4,587 | 2,749 | 3,821 | 3,821 | 12,610 | 395 | 268 | 117 | ... | ... | ... | ... | 875 | 875 | 50 | 124 | ... | ... | 58 | 58 | 5,24 | 1,050 | 1,06,72 | 6,671 | 3,52,840 | 11,163 | ... |
| September 1952 ... | 58,761 | 12,126 | 4,314 | 408 | ... | ... | ... | ... | 1,36,249 | 1,02,217 | 27,794 | 27,794 | 6,62,25 | 20,268 | 6,633 | 3,731 | 4,191 | 4,191 | 22,756 | 711 | ... | ... | 16 | 6 | ... | ... | 301 | 301 | 183 | 458 | ... | ... | 15 | 15 | 5,019 | 1,004 | 1,09,572 | 6,858 | 3,31,952 | 10,373 | ... |
| October 1952 ... | 1,01,815 | 12,726 | 1,424 | 134 | 40 | 40 | ... | ... | 84,604 | 63,453 | 20,631 | 20,632 | 8,02,425 | 26,773 | 4,502 | 2,532 | 4,651 | 4,651 | 16,120 | 504 | 230 | 101 | ... | ... | ... | ... | ... | ... | 205 | 505 | ... | ... | ... | ... | 5,425 | 1,017 | 1,11,145 | 7,110 | 2,21,021 | 7,126 | ... |
| November 1952 ... | 1,02,986 | 12,873 | 3,672 | 343 | 220 | 220 | ... | ... | 61,173 | 45,130 | 14,272 | 14,272 | 5,74,929 | 17,259 | 6,123 | 3,358 | 4,020 | 4,020 | 12,258 | 383 | 1,095 | 479 | ... | ... | ... | ... | 88 | 88 | 29 | 323 | ... | ... | 69 | 69 | 2,344 | 1,400 | 2,57,196 | 17,216 | 4,39,988 | 14,375 | ... |
| December 1952 ... | 2,21,504 | 27,688 | 8,912 | 837 | 98 | 98 | ... | ... | 36,011 | 23,733 | 13,234 | 13,234 | 3,41,800 | 11,754 | 3,745 | 2,107 | 3,517 | 3,517 | 35,182 | 1,099 | 576 | 252 | 11 | 4 | ... | ... | 164 | 164 | 115 | 258 | ... | ... | ... | ... | 4,138 | 817 | 6,72,140 | 42,321 | 7,93,584 | 24,800 | ... |
| January 1953 ... | 2,71,929 | 33,992 | 9,015 | 847 | ... | ... | ... | ... | 37,741 | 25,936 | 10,160 | 10,160 | 5,34,541 | 16,036 | 2,979 | 1,491 | 1,948 | 1,948 | 11,034 | 345 | 345 | 151 | ... | ... | ... | ... | 44 | 44 | 99 | 218 | ... | ... | ... | ... | 1,286 | 804 | 6,41,163 | 40,321 | ... | ... | ... |
| February 1953 ... | 2,87,511 | 35,939 | 4,908 | 468 | 210 | 210 | ... | ... | 45,421 | 32,096 | 2,2020 | 22020 | 3,05,009 | 9,166 | 1,743 | 981 | 1,589 | 1,589 | 15,040 | 470 | 275 | 107 | ... | ... | ... | ... | 110 | 110 | 27 | 67 | ... | ... | 147 | 147 | 1,393 | 280 | 2,25,481 | 13,092 | ... | ... | ... |
| March 1953 ... | 1,88,629 | 23,579 | 10,606 | 1,557 | ... | ... | ... | ... | 13,319 | 9,289 | 12,773 | 12,773 | 1,41,575 | 4,256 | 2,014 | 1,133 | 1,775 | 1,775 | 12,588 | 393 | 179 | 78 | ... | ... | 90 | 22 | 122 | 122 | 240 | 600 | ... | ... | ... | ... | 5,090 | 955 | 1,74,142 | 10,881 | 5,96,284 | 18,634 | ... |
| Total ... | 19,77,712 | 2,47,214 | 71,149 | 6,670 | 968 | 968 | ... | ... | 6,14,409 | 4,61,142 | 2,16,547 | 2,16,547 | 57,86,226 | 1,73,588 | 50,626 | 28,478 | 39,488 | 39,488 | 1,69,505 | 5,297 | 3,228 | 1,412 | 27 | 10 | 90 | 22 | 5,019 | 5,019 | 1,659 | 4,146 | ... | ... | 402 | 402 | 58,183 | 10,991 | 30,02,911 | 1,97,682 | 47,11,702 | 1,47,243 | ... |
| IV.—Duty collected by E. & T. D. O— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April 1952 ... | 67,265 | 8,408 | 920 | 86 | 1,239 | 1,239 | ... | ... | 44,593 | 33,415 | 3,457 | 3,457 | 2,07,490 | 6,625 | 483 | 272 | 4,310 | 2,310 | 31,494 | 984 | 7 | 3 | 44 | 17 | 40 | 10 | 6 | 6 | 173 | 433 | 201 | 63 | ... | ... | 428 | 81 | 65,101 | 4,087 | 190 | 6 | ... |
| May 1952 ... | 32,909 | 4,114 | 625 | 59 | 2,807 | 2,807 | ... | ... | 34,601 | 27,129 | 4,905 | 4,905 | 2,94,177 | 8,825 | 588 | 331 | 2,995 | 2,995 | 10,642 | 333 | 60 | 26 | 9 | 3 | 22 | 5 | 9 | 9 | 161 | 454 | 36 | 11 | 4 | 4 | 677 | 172 | 37,424 | 4,839 | 80 | 3 | ... |
| June 1952 ... | 28,926 | 3,616 | 886 | 83 | 2,317 | 2,317 | ... | ... | 82,125 | 61,078 | 3,615 | 3,615 | 1,66,260 | 4,988 | 297 | 159 | 2,034 | 2,034 | 7,300 | 228 | 14 | 6 | ... | ... | ... | ... | 39 | 39 | 139 | 347 | ... | ... | 5 | 5 | 191 | 116 | 1,01,535 | 11,990 | ... | ... | ... |
| July 1952 ... | 30,731 | 3,842 | 51 | 5 | 1,725 | 1,725 | ... | ... | 93,570 | 73,120 | 4,369 | 4,369 | 2,02,592 | 5,077 | 252 | 147 | 365 | 365 | 7,810 | 244 | ... | ... | ... | ... | ... | ... | 7 | 7 | 187 | 468 | ... | ... | ... | ... | 390 | 73 | 1,09,054 | 6,866 | 76 | 2 | ... |
| August 1952 ... | 30,349 | 3,793 | 28 | 3 | 2,711 | 2,711 | ... | ... | 39,977 | 27,338 | 4,471 | 4,529 | 1,64,536 | 4,936 | 233 | 132 | 309 | 309 | 3,242 | 59 | ... | ... | 14 | 4 | 100 | 100 | 343 | 856 | 50 | 16 | ... | ... | 314 | 72 | 1,11,114 | 7,001 | ... | ... | ... |
| September 1952 ... | 52,540 | 6,568 | 414 | 39 | 2,894 | 2,894 | ... | ... | 36,429 | 27,322 | 4,713 | 4,713 | 1,44,660 | 4,341 | 209 | 117 | 355 | 355 | 10,610 | 331 | 185 | 81 | ... | ... | ... | ... | 7 | 7 | 169 | 423 | ... | ... | ... | ... | 541 | 96 | 29,017 | 4,582 | ... | ... | ... |
| October 1952 ... | 19,075 | 2,384 | 215 | 20 | 769 | 769 | ... | ... | 18,112 | 13,574 | 3,950 | 3,950 | 1,06,029 | 4,981 | 332 | 215 | 277 | 277 | 36 | 1 | 4 | 2 | ... | ... | ... | ... | 5 | 5 | 579 | 1,446 | ... | ... | ... | ... | 586 | 63 | 50,670 | 3,169 | ... | ... | ... |
| November 1952 ... | 10,964 | 2,296 | 1,163 | 111 | 1,491 | 1,491 | ... | ... | 23,924 | 17,943 | 6,038 | 6,344 | 1,31,115 | 3,933 | 357 | 701 | 883 | 883 | 1,326 | 41 | 184 | 80 | ... | ... | 32 | 8 | 13 | 13 | 946 | 2,364 | ... | ... | ... | ... | 1,972 | 802 | 47,408 | 3,186 | 60 | 4 | 2 |
| December 1952 ... | 57,554 | 7,194 | 2,014 | 193 | 2,540 | 2,540 | 30 | 4 | 39,417 | 29,928 | 5,557 | 5,557 | 1,76,993 | 5,301 | 577 | 265 | 1,201 | 1,201 | 4,998 | 156 | ... | ... | ... | ... | ... | ... | 38 | 38 | 1,415 | 4,532 | ... | ... | ... | ... | 444 | 63 | 1,02,447 | 6,528 | ... | ... | ... |
| January 1953 ... | 95,752 | 10,719 | 597 | 58 | 1,910 | 1,910 | ... | ... | 25,010 | 18,758 | 4,720 | 4,720 | 1,55,381 | 5,591 | 558 | 333 | 1,398 | 1,398 | 2,110 | 66 | ... | ... | ... | ... | ... | ... | 19 | 19 | 1,626 | 4,066 | ... | ... | 20 | 20 | 635 | 119 | 56,569 | 3,691 | ... | ... | ... |
| February 1953 ... | 93,261 | 11,720 | 83 | 8 | 3,075 | 3,075 | ... | ... | 23,614 | 19,240 | 4,626 | 4,626 | 2,27,719 | 8,338 | 455 | 256 | 1,765 | 1,765 | 17,634 | 551 | ... | ... | ... | ... | ... | ... | 25 | 25 | 1,262 | 3,010 | ... | ... | ... | ... | 1,763 | 246 | 2,27,975 | 14,386 | ... | ... | ... |
| March 1953 ... | 50,915 | 6,364 | 62 | 6 | 1,966 | 1,966 | ... | ... | 21,631 | 16,223 | 5,284 | 5,284 | 3,10,699 | 9,606 | 644 | 363 | 2,044 | 2,044 | 20,516 | 651 | ... | ... | ... | ... | ... | ... | 45 | 45 | 1,122 | 2,580 | ... | ... | 13 | 13 | 685 | 129 | 69,314 | 4,384 | 3,424 | 107 | ... |
| Total ... | 5,69,742 | 71,218 | 7,127 | 669 | 25,430 | 25,430 | 30 | 4 | 4,83,552 | 3,62,664 | 56,076 | 56,076 | 24,57,652 | 74,912 | 5,530 | 3,060 | 15,937 | 15,937 | 1,15,918 | 3,622 | 454 | 198 | 53 | 20 | 108 | 27 | 313 | 313 | 8,932 | 22,329 | 267 | 90 | 42 | 42 | 9,486 | 1,766 | 9,58,102 | 59,882 | 3,830 | 120 | ... |
| Grand Total ... | 1,06,68,395 | 13,33,530 | 99,092 | 9,254 | 2,11,231 | 2,14,231 | 3,76,558 | 34,570 | 30,87,995 | 23,15,665 | 5,00,959 | 5,05,959 | 2,33,22,959 | 6,97,749 | 1,01,201 | 57,203 | 2,20,298 | 2,20,298 | 2,06,72,5 8 | 6,46,016 | 1,47,616 | 64,582 | 2,19,508 | 82,315 | 4,80,907 | 1,20,226 | 1,67,635 | 1,67,635 | 2,98,347 | 7,45,852 | 4,11,460 | 1,24,502 | 45,313 | 45,313 | 139,610 | 26,420 | 2,15,73,037 | 13,48,316 | 47,15,612 | 1,47,363 | 18,153 |
| *Deduct*—Refund passed by E. & T. D. O. | 29,39,779 | 3,67,473 | 8,39,398 | 78,694 | 16,859 | 16,859 | 98,045 | 12,256 | 10,28,482 | 7,71,392 | 4,518 | 4,518 | 15,11,133 | 45,334 | ... | ... | ... | ... | 90,08,494 | 2,81,453 | 6,820 | 2,984 | ... | ... | ... | ... | 655 | 655 | 10,366 | 25,720 | 14,041 | 4,368 | 37 | 37 | 920 | 110 | 11,74,687 | 4,48,418 | ... | ... | ... |
| Net Revenue ... | 77,28,616 | 9,66,077 | 7,40,706 | 69,140 | 1,97,372 | 1,97,372 | 1,78,513 | 22,314 | 20,59,113 | 15,44,273 | 5,01,421 | 5,01,421 | 2,18,11,826 | 6,52,415 | 1,01,201 | 57,203 | 2,20,298 | 2,20,298 | 1,16,66,014 | 3,64,563 | 1,40,796 | 61,598 | 2,19,508 | 82,315 | 4,80,907 | 1,20,226 | 1,66,980 | 1,66,980 | 2,87,979 | 7,19,952 | 3,97,419 | 1,24,194 | 45,276 | 45,276 | 138,980 | 26,314 | 2,14,98,150 | 9,99,398 | 47,15,612 | 1,47,363 | 18,153 |

Commission, etc., charges on General Town Duty collected by:—

| Months | B. P. T. | Central Rlys. | Western Railways | Total |
|---|---|---|---|---|
| 1952— | | | | |
| April ... | 8,017 | 12,070 | ... | 20,087 |
| May ... | 6,969 | 12,927 | 14,148 | 34,044 |
| June ... | 805 | 14,929 | 5,677 | 21,411 |
| July ... | 1,972 | 10,806 | 2,839 | 14,722 |
| August ... | 2,857 | 9,433 | 2,446 | 14,736 |
| September ... | 19,357 | 10,586 | 2,864 | 32,807 |
| October ... | 5,641 | 9,702 | 4,201 | 19,544 |
| November ... | 16,329 | 9,313 | 5,468 | 31,112 |
| December ... | ... | 6,075 | 4,925 | 11,000 |
| 1953— | | | | |
| January ... | 8,439 | 9,486 | 3,973 | 21,901 |
| February ... | 7,666 | ... | 4,906 | 12,572 |
| March ... | 13,102 | 19,642 | 4,945 | 37,689 |
| Total ... | 90,309 | 1,24,974 | 56,392 | 2,71,675 |

| | | Rs. | Rs. | Rs. |
|---|---|---|---|---|
| Total collection of Town Duty for 1952-53 | ... | | | 92,95,088 |
| *Add*—Outstanding on 31st March 1952 due by— | | | | |
| Bombay Port Trust | ... | 15,636 | | |
| Central Railways | ... | 2,48,040 | | |
| Western Railways | ... | 8,294 | | |
| E. and T. D. O. | ... | 5,297 | | 2,77,267 |
| | | | | 95,72,35 |
| *Deduct*—Outstanding balances on 31st March 1953 Due by— | | | | |
| Bombay Port Trust | ... | 23,735 | | |
| Central Railways | ... | 2,55,520 | | |
| Western Railways | ... | 8,269 | | |
| E. & T.D.O. | ... | 1,474 | 2,89,058 | |
| Total amount of Commission, etc. charges, for the collection of Town Duty deducted at the source— | | | 2,71,675 | |
| Refund paid in 1952-53— | | | | |
| For previous years | ... | 5,11,897 | | |
| For 1952-53 | ... | 15,07,377 | | |
| | | | 20,19,274 | 25,60,007 |
| Net T.D. Receipts— | | | | 69,92,348 |
| *Refunds*:— | | | | |
| Balance outstanding for 1951-52 | ... | 1,03,157 | | |
| *Add*—Refund sanctioned by E. & T. D. O. for export in 1952-53 | ... | 20,23,395 | | |
| Refund sanctioned by M. C. for wrong or excess recovery, etc. | ... | 37,070 | 21,63,622 | |
| *Less*—Refund passed by Chief Accountant | ... | | 20,19,274 | |
| Balance out-Standing | ... | | 1,44,348 | |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix

*Income of the Bombay Municipal Corporation from the year*

| Year. | Taxation Proper | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Valuation. | House Rate. | General Tax. | Wheel Tax and Tolls. | Licences for Trades, Land Conveyances, Music, etc. | Town Duties. | Cotton Duty. | Liquor Licences. | Tobacco Licences. | |
| | Rs. Gross Valuation. | Consolidated Rate. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| 1932-33 ... | 14,41,33,933 | @ 11% | 1,20,42,747 | 10,70,340 | 1,71,385 | 11,27,188 | 8,28,856 | 1,43,750 | 3,50,771 | @ ½% |
| 1933-34 ... | 14,32,51,802 | Do. | 1,22,45,281 | 10,57,393 | 1,69,759 | 14,02,738 | 8,86,189 | 1,43,750 | 2,54,247 | Do. |
| 1934-35 ... | 14,54,15,785 | @ 12% | 1,33,68,984 | 11,46,683 | 1,78,149 | 13,87,977 | *758 | 1,43,750 | 3,65,150 | Do. |
| 1935-36 ... | 14,72,00,410 †Rateable Value | Do. | 1,28,88,990 | 11,13,357 | 1,82,301 | 14,77,756 | | 1,43,750 | 3,28,225 | Do. |
| 1936-37 ... | 13,31,56,299 | @ 11% | 1,26,18,595 | 10,74,038 | 1,92,968 | 14,48,130 | | 1,43,750 | 3,93,000 | Do. |
| 1937-38 ... | 13,62,69,866 | Do. | 1,25,73,931 | 14,29,080 | 1,93,564 | 13,09,001 | | 1,43,750 | 4,14,250 | Do. |
| 1938-39 ... | 13,48,69,247 | Do | 1,36,96,715 | 13,69,662 | 2,09,522 | 15,52,261 | | 1,43,750 | 1,58,970 | Do. |
| 1939-40 ... | 13,97,61,676 | Do. | 1,34,47,825 | 12 74,008 | 2,38,219 | 13,78,340 | | ... | ... | Do. |
| 1940-41 ... | 14,14,61,189 | Do. | 1,38,54,785 | 13,59,332 | 2,33,806 | 14,24,031 | | ... | ... | Do. |
| 1941-42 ... | 14,27,65,826 | Do. | 1,39,20,308 | 14,70,207 | 2,33,096 | 18,48,316 | | ... | ... | Do. |
| 1942-43 ... | 14,63,63,848 | Do. | 1,47,94,959 | 18,14,308 | 2,32,983 | 14,82,649 | | ... | ... | Do. |
| 1943-44 ... | 15,93,54,514 | Do. | 1,53,51,010 | 16,46,989 | 2,57,465 | 16,17,662 | | ... | ... | Do. |
| 1944-45 ... | 16,00,98,370 | Do. | 1,59,44,469 | 17,58,787 | 2,62,101 | 19,40,054 | ... | ... | ... | Do. |
| 1945-46 ... | 16,71,69,555 | @ 12% | 1,83,61,824 | 18,75,449 | 2,74,845 | 20,95,634 | ... | ... | ... | Do. |
| 1946-47 ... | 17,14,40,860 | @ 14% | 2,14,07,728 | 19,39,863 | 2,68,634 | 16,18,470 | ... | ... | ... | Do. |
| 1947-48 ... | 17,78,96,754 | @ 14% | 2,29,65,301 | 23,39,246 | 6,07,008 | 87,75,728 | ... | ... | ... | @ ½% From 1-4-1947 |
| 1948-49 ... | 19,38,46,730 | @ 14% | 2,37,30,441 | 25,30,685 | 8,67,342 | 62.21,527 | ... | ... | ... | @ ¾% From @ ½% 1-10-1947 |
| 1949-50 ... | 20,17,48,106 | @ 14% | 2,50,40,901 | 30,89,445 | 10,58,763 | 68,81,140 | ... | ... | ... | Do" |
| 1950-51 ... | 20,35,42,407 | @ 14% | 2,61,90,737 | 38,80,736 | 10,26,568 | 67,62,787 | ... | ... | ... | Do. |
| 1951-52 ... | 21 00,54,130 | @ 14% | 2.57,58.248 | 40.69.323 | 10,05,160 | 68,51,335 | ... | ... | ... | Do. |
| 1952-53 ... | 21,99,08,994 | @ 17% | 3,22,51,699 | 41,08,243 | 11,31,060 | 69,92,348 | ... | ... | ... | Do. |

* Abolished with effect from 1-4-1934.
† As per S. C. R. No. 646, dated the 3rd October 1935.

T. V. DORAISWAMY,
*Chief Accountant.*

## Appendix

*Expenditure of the Bombay Municipal Corporation*

| Year. | General Superintendence. | Assessment and Collection. | Fire Brigade. | Public Works (Engineering) Department. | Public Health Department. | General Stores. | Pensions and Gratuities and Provident Fund. | Education. | Medical Relief. | Debt. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1932-33 ... | 3,85,083 | 4,66,482 | 3,02,499 | 55,88,550 | 31,25,898 | 62,292 | 8,16,812 | 32,45,592 | 17,13,017 | 1,33,53,226 |
| 1933-34 ... | 3,77,708 | 4,58,593 | 2,69,016 | 53,90,313 | 29,83,376 | 61,293 | 9,48,829 | 32,30,720 | 16,56,005 | 1,32,22,310 |
| 1934-35 ... | 3,12,069 | 4,53,999 | 2,94,402 | 50,68,619 | 29,08,983 | 62,330 | 9,85,621 | 32,02,997 | 16,48,684 | 1,25,93,943 |
| 1935-36 ... | 4,57,885 | 6,21,859 | 3,31,127 | 51,72,046 | 28,31,750 | 75,535 | 10,01,238 | 32,11,219 | 16,85,887 | 1,21,43,455 |
| 1936-37 ... | 4,73,635 | 6,35,879 | 3,56,413 | 53,03,448 | 28,66,924 | 76,752 | 10,58,470 | 33,86,264 | 17,96,734 | 1,19,45,222 |
| 1937-38 ... | 4,71,811 | 6,28,592 | 4,16,289 | 58,01,823 | 29,68,240 | 73,772 | 9,34,532 | 35,05,561 | 19,15,745 | 1,20,46,808 |
| 1938-39 ... | 5,23,131 | 6,58,051 | 3,40,593 | 59,84,010 | 29,85,995 | 74,450 | 11,70,589 | 36,44,231 | 19,51,873 | 1,21,88,098 |
| 1939-40 ... | 5,03,569 | 6,71,512 | 3,45,411 | 61,16,547 | 31,69 113 | 75,741 | 12,08,364 | 38,33,790 | 20,72,534 | 1,23,36,073 |
| 1940-41 ... | 5,17,249 | 7 50,916 | 3,36,242 | 63,91,043 | 32,92,424 | 73,870 | 12,47,477 | 41,76,076 | 21,11.929 | 1,24,94,113 |
| 1941-42 ... | 5,11,192 | 7,62,592 | 3,39,989 | 62,17,370 | 31,75,222 | 75,905 | 12,73,507 | 41,55,226 | 19,34,992 | 1,26,83,919 |
| 1942-43 ... | 5,29,154 | 7,71,691 | 3,30,152 | 60,10,818 | 32,21,516 | 76,290 | 12,74,070 | 42,41,771 | 20,62,631 | 1,25,66,415 |
| 1943-44 ... | 5,61,389 | 7,84,471 | 3,39,551 | 63,23,562 | 35,01,906 | 76,435 | 13,19,918 | 47,57,820 | 23,58,896 | 1,24,57,713 |
| 1944-45 ... | 5,79,837 | 7,88,907 | 3,47,768 | 69,55,431 | 35,55,521 | 83,096 | 13,58,305 | 53,85,510 | 24,14,403 | 1,24,88,638 |
| 1945-46 ... | 5,58,655 | 8,06,728 | 3,96,054 | 77,91,051 | 37,34,719 | 84,367 | 14,77,878 | 61,20,008 | 28,34,880 | 1,24,41,110 |
| 1946-47 ... | 7,72,645 | 8,81,317 | 5,38,505 | 78,41,842 | 50,26,744 | 1,03,181 | 18,43104 | 70,60,722 | 27,40,313 | 1,23,57,002 |
| 1947-48 ... | 10,16,124 | 11,45,857 | 6,43,478 | 86,18,307 | 61 66.675 | 1,16,263 | 21,56,182 | 85,33,534 | 36,65,010 | 1,26,83,239 |
| 1948-49 ... | 10,95,735 | 12,54,892 | 8,85,966 | 1,28,97,027 | 69,45,720 | 1,25,330 | 21,99,272 | 99,67,434 | 48,01,853 | 1,31,19,033 |
| 1949-50 ... | 13,12,774 | 13,16,860 | 7,10.044 | 1,12,54,092 | 73,64,702 | 1,29,606 | 21,44,468 | 97,69,199 | 54,94,644 | 1,31,81,895 |
| 1950-51 ... | 13,67,713 | 12,97,943 | 7,42,700 | 1,23,13,134 | 79,44,516 | 1,38,794 | 23,26,943 | 1,02,85,106 | 63,36,012 | 1,39,45,162 |
| 1951-52 ... | 13,88'149 | 13,03,440 | 7,72,330 | 1,21,61,117 | 73,42,662 | 1'37,804 | 24.36,332 | 1,13,69,469 | 71,09,191 | 1,57 26,528 |
| 1952-53 ... | 14,90,681 | 13,78,895 | 7,82,425 | 87,05,404 | 1,11,48,484 | 1,59,425 | 23,39,377 | 90,35,823* | 78,65,585 | 1,88,48,872 |

*This comprises of contribution to wards Education Fund Rs. 89.59.064 and Expenditure on Secondary Education Rs. 76.759.

T. V. DORAISWAMY,
*Chief Accountant.*

**No. 18.**

*1932-33 to the close of the Financial year 1952-53.*

| | | Services rendered. | | | Miscellaneous. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fire Tax. | Total Taxation Proper. | Halal-khore Tax. | Water Tax. | Total services rendered. | Returns from Property and Miscellaneous | Transfer from B.E.S.T. Fund. | Transfer from Post war reconstruction Fund | Total Income including transfer from Post war reconstruction Fund. | Year. | Population by Census. | Incidence of Taxation per head of population. | Five years average annual income. |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | | Rs. a. p. | Rs |
| 5,48,757 | 1,62,83,794 | 30,78,239 | 63,86,907 | 94,65,146 | 42,53,441 | | | 3,00 02,381 | 1932-33 | 1,161,383 | 22 2 9 | |
| 5,56,824 | 1,67,16,181 | 30,88,965 | 62,98,417 | 93,87,382 | 53,12,408 | | | 3,14,15,971 | 1933-34 | | 22 7 7 | |
| 5,58,891 | 1,71,50,342 | 31,48,555 | 63,27,589 | 94,76,144 | 53,06,620 | | | 3,19,33,106 | 1934-35 | | 22 14 10 | 3,15,57,228 |
| 5,37,641 | 1,66,72,020 | 30,08,828 | 67,05,265 | 97,14,093 | 59,90,340 | | | 3,23,76,453 | 1935-36 | | 22 11 6 | |
| 5,68,933 | 1,64,39,414 | 32,10,543 | 70,15,634 | 1,02,26,177 | 53,92,638 | | | 3,20,58,229 | 1936-37 | | 22 15 4 | |
| 5,72,309 | 1,66,35,885 | 33,39,105 | 75,14,123 | 1,68,53,228 | 55,27,305 | | | 3,30,16,418 | 1937-38 | | 23 10 8 | |
| 6,18,808 | 1,76,59,688 | 36,26,492 | 77,83,976 | 1,14,10,468 | 56,97,119 | | | 3,47,67,275 | 1938-39 | | 25 0 6 | |
| 6,12,659 | 1,69,51,051 | 36,93,912 | 80,70,695 | 1,17,64,607 | 59,40,443 | | | 3,46,56,101 | 1939-40 | | 24 11 7 | 3,49,67,653 |
| 6,46,399 | 1,75,18,353 | 37,82,518 | 82,25 310 | 1,20,07,828 | 61,05,584 | | | 3,56,31,765 | 1940-41 | 1,489,883 | 19 13 2 | |
| 6,33,068 | 1,81,04,995 | 37,55,679 | 86,29,048 | 1,23,84,727 | 62,76,481 | | | 3,67,66,203 | 1941-42 | | 20 7 5 | |
| 6,67,934 | 1,89,92,833 | 38,74,536 | 91,31,751 | 1,30,06,287 | 69,02,821 | | | 3,89,01,941 | 1942-43 | | 21 7 8 | |
| 6,97,400 | 1,95,45,526 | 41 21,425 | 1,00,15,685 | 1,41,37,110 | 67,40,897 | | | 4,03,98,533 | 1943-44 | | 22 9 9 | |
| 7,24,083 | 2,06,29,494 | 43,02,628 | 1,10,25,653 | 1,53,28,281 | 70,19,841 | | | 4,29,77,616 | 1944-45 | | 24 2 2 | 44,93,993 |
| 7,68,451 | 2,33,76,203 | 46,58,271 | 1,26,78,923 | 1,73,37,194 | 80,24,055 | | | 4,87,37,452 | 1945-46 | | 27 5 3 | |
| 7,69,020 | 2,60,03,715 | 48,03,155 | 1,47,74,520 | 1,95,77,675 | 81,00,024 | | | 5,36,81,414 | 1946-47 | | 30 9 6 | |
| 8,45,384 | 3,55,32,667 | 48,54,811 | 1,34,81,288 | 1,83,36,099 | 1,23,00,476 | | 8,36,638 | 6,70,05,880 | 1947-48 | | 36 2 6 | |
| 12,31,631 | 3,45,81'626 | 50,63,233 | 1,32,65,684 | 1,83,28,917 | 1,50,87,663 | 5,00,000. | 28,88,151 | 7,13,86,357 | 1948-49 | | 35 8 1 | |
| 13,32,735 | 3,74,02.984 | 55,75,898 | 1,41,06,712 | 1,96,82,610 | 1,03,43,435 | 10.83,535 | 19,69,564 | 7,04,82,128 | 1949-50 | | 38 5 1 | 7,16,01,744 |
| 14,11,578 | 3,92,72.406 | 50,55,599 | 1,34,20,811 | 1,84,76,410 | 1,23,40,799 | 11.18,325 | 7,75,700 | 7,19, 83, 640 | 1950-51 | 23,25,945 | 24 13 3 | |
| 14,96,233 | 3,91,80,299 | 58,12,908 | 1,60,59.149 | 2,18,72,057 | 1,27,92,801 | 25,75,611 | 7.29,946 | 7,71,50,714 | 1951-52 | | 26 6 2 | |
| 14,86,168 | 4,59,69,458 | 61,20,440 | 1,75,90,901 | 2,37,11,341 | 1,20,25,294 | 28,75,682 | ... | 8,45,81,775 | 1952-53 | | 30 4 1 | |

P. R. NAYAK,
*Municipal Commissioner.*

**No 19.**

*from the year 1932-33 to the close of the financial year 1952-53.*

| Contributoin to the Bombay Improvements Trust. | Public Gardens. | Measures for Civil Defence. | Dearness Allowances. | Epidemics including disinfection charges. | Slum Service. | Works Carried out of Post War Reconstruction Fund. | Miscellaneous. | Total. | Year. | Five years, Average annual expenditure |
|---|---|---|---|---|---|---|---|---|---|---|
| Rs. | Rs. | Rs | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | Rs. |
| 23,52,242 | 1,57,884 | | | 65,982 | | | 5,33,558 | 3,21,69,117 | 1932-33 | |
| (a) 32,84,740 | 1,57,141 | | | 67,759 | | | 4,43,796 | 3,25,51,599 | 1933-34 | |
| 33,39,680 | 1,45,748 | | | 69,968 | | | 5,32,016 | 3,16,19,059 | 1934-35 | 3,19,13,361 |
| 33,42,690 | 1,34,179 | | | 69,060 | | | 2,15,609 | 3,12,97,539 | 1935-36 | |
| 32,22,391 | 1,35,584 | | | 64,436 | 4,14,500 | | 1,92,837 | 3,19,29,489 | 1936-37 | |
| 34,40,225 | 1,35,807 | | | 71,497 | | | 3,36,482 | 3,27,48,184 | 1937-38 | |
| 34,29,454 | 1,56,149 | | | 73,545 | | | 3,04,181 | 3,34,84,350 | 1938-39 | |
| 37,11,006 | 1,76,458 | | 57,522 | 89,031 | | | 3,77,367 | 3,47,44,038 | 1939-40 | 3,45,63,300 |
| 35,73,077 | 1,78,329 | | 2,98,560 | 73,624 | | | 4,03,477 | 3,59,18,406 | 1940-41 | |
| 36,88,945 | 1,65,322 | | 3,08,010 | 74,621 | | | 5,54,709 | 3,59,21,521 | 1941-42 | |
| (b) 24,69,485 | 1,67,090 | 11,55,548 | 9,72,830 | 62,514 | | | 5,53,473 | 3,64 65,448 | 1942-43 | |
| (b) 26,26,997 | 1,95,468 | 3,81,622 | 24,45,180 | 99,097 | | | 8,66,424 | 3,90,96,449 | 1943-44 | |
| 27,26,785 | 2,33,365 | 69,936 | 34,60,430 | 94,086 | | | 7,53,269 | 4,12,95,287 | 1944-45 | 4,34,72,503 |
| 28,36,497 | 2,29,733 | 1.43,407 | 42,86,690 | 92,223 | ... | | 54,79,001 | 4,93,13,002 | 1945-46 | |
| 9,99,589 | 2,50,306 | Cr. 23,189 | 57,43,782 | 97,661 | ... | | 29,58,806 | 5,11,92,330 | 1946-47 | |
| 29,96,319 | 2,86.817 | 68,079 | 66,91,158 | 1,50,771 | ... | 3,69,003 | 13,05,858 | 5,66,12,674 | 1947-48 | |
| 31,71,923 | 3,80,474 | ... | 96,31,083 | 2,83,234 | ... | 4,33,714 | 16,86,538 | 6,88,79,228 | 1948-49 | |
| 32.91,464 | 4,34,262 | ... | 1,08,87,908 | 3,32,234 | ... | 19,57,718 | 14,40,408 | 7,10,22,278 | 1949-50 | 7,01,25,368 |
| 34,63,721 | 4,68,788 | ... | 1,12,58,978 | 4,47,034 | ... | 10,90,323 | 14,05,868 | 7,48,32,735 | 1950-51 | |
| 36.28,232 | 4,99,873 | ... | 1,10,21,951 | 4,59,660 | ... | 5,04,689 | 34,18,493 | 7,92,79.925 | 1951-52 | |
| 35,83,626 | 5,37,053 | ... | 1,16,76,644 | 3,38.795 | ... | 2,97,973 | 40,96,599 | 8,22,85,661 | 1952-53 | |

(a) Include Rs. 16,94,913 on account of increased contribution payable towards Improvement Schemes due to the amalgamation of the City Improvement Trust with the Municipality with effect from 1-10-1938 under Bombay Act XIII of 1933.

(b) The contribution is reduced by Bombay Act No. XVI of 1942.

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 20.

*Contrasted Statement of income and Expenditure of the Bombay Municipal Corporation from 1932-33 to 1952-53.*

| Year. | Income. | Expenditure. | Difference | |
|---|---|---|---|---|
| | | | Surplus. | Deficit. |
| | Rs. | Rs. | Rs. | Rs. |
| 1932-1933 ... | 3,00,02,381 | 3,21,69,117 | ... | 21,66,736 |
| 1933-1934 ... | 3,14,15,971 | 3,25,51,599 | ... | 11,35,628 |
| 1934-1935 ... | 3,19,33,106 | 3,16,19,059 | 3,14,047 | ... |
| 1935-1936 ... | 3,23,76,453 | 3,12,97,539 | 10,78,914 | ... |
| 1936-1937 ... | 3,20,58,229 | 3,19,29,489 | 1,28,740 | ... |
| 1937-1938 ... | 3,30,16,418 | 3,27,48,184 | 2,68,234 | ... |
| 1938-1939 ... | 3,47,67,275 | 3,34,84,350 | 12,82,925 | ... |
| 1939-1940 ... | 3,46,56,101 | 3,47,44,038 | ... | 87,937 |
| 1940-1941 ... | 3,56,31,765 | 3,59,18,406 | ... | 2,86,641 |
| 1941-1942 ... | 3,67,66,203 | 3,59,21,521 | 8,44,682 | ... |
| 1942-1943 ... | 3,89,01,941 | 3,64,65,448 | 24,36,493 | ... |
| 1943-1944 ... | 4,03,98,533 | 3,90,96,449 | 13,02,084 | ... |
| 1944-1945 ... | 4,29,77,616 | 4,12,95,287 | 16,82,329 | ... |
| 1945-1946 ... | 4,87,37,452 | 4,93,13,002 | ... | 5,75,550 |
| 1946-1947 ... | 5,36,81,414 | 5,11,92,330 | 24,89,084 | ... |
| 1947-1948 ... | † 6,70,05,880 | †† 5 66 12 674 | 1,03,93,206 | ... |
| 1948-1949 ... | (*a*) 7,13,86,357 | (*b*) 6,88,79,228 | 25,07,129 | ... |
| 1949-1950 ... | (*c*) 7,04,82,128 | (*d*) 7,10,22,278 | ... | 5,40,150 |
| 1950-1951 ... | (*e*) 7,19,83 640 | (*f*) 7,48,32,735 | ... | 28,49,095 |
| 1951-1952 ... | (*g*) 7,71,50,714 | (*h*) 7,92,79,925 | ... | 21,29,211 |
| 1952-1953 ... | 8,45,81,775 | (*i*) 8,22,85,661 | 22,96,114 | |

† Includes (*i*) Transfer from P.W. R. Fund Rs. 8,36,638
(*ii*) Grant-in-aid from Government Rs. 30,00,000

†† Includes expenditure of Rs. 3,69,003 incurred on works carried out of P. W. R. Fund.

(*a*) Includes (*i*) Transfer from P. W. R. Fund Rs. 28,88,151
(*ii*) Grant-in-aid from Government Rs. 50,00,000

(*b*) Includes expenditure of Rs. 4,33,714 incurred on works carried out of P. W. R. Fund.

(*c*) Includes (*i*) Transfer from P. W. R. Fund Rs. 19,69,564.

(*d*) Includes expenditure of Rs. 19,57,718 incurred on works carried out of P. W. R. Fund.

(*e*) Includes Transfer from P. W. R. Fund Rs. 7,75,700.

(*f*) Includes expenditure of Rs. 10,90,323 on works carried out of the amount transferred out of the P. W. R. Fund.

(*g*) Includes transfer from P. W. R. Fund Rs. 7,29,946.

(*h*) Includes expenditure of Rs. 5,04,689, on works carried out of the amount transferred out of the P. W. R. Fund.

(*i*) Includes expenditure of Rs. 2,97,973. on works carried out of the amount transferred out of P. W. R. Fund.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 21

## IMPROVEMENT SCHEMES

### *General Financial Statistics*

| Particulars. | 1948-49. | 1949-50. | 1950-51. | 1951-52. | 1952-53. |
|---|---|---|---|---|---|
| GENERAL ACCOUNT. | Rs. | Rs. | Rs. | Rs. | Rs. |
| *Receipts.* | | | | | |
| 1. Land Revenue ... | 59,04,505 | 60,73,457 | 59,44,342 | 60,75,122 | 63,57,952 |
| 2. Municipal contribution ... | 31,71,923 | 32,91,464 | 34,63,721 | 36,28,232 | 35,83,626 |
| 3. Tobacco Duty ... | 1,95,794 | 10,00,000 | 10,00,000 | 10,00,000 | 7,41,617 |
| 4. Miscellaneous ... | 5,98,536 | 6,57,261 | 6,26,451 | 6,46,306 | 6,06,009 |
| | 98,70,758 | 1,10,22,182 | 1,10,34,514 | 1,13,49,660 | 1,12,89,204 |
| *Expenditure.* | | | | | |
| 5. Maintenance of Properties and Streets ... | 35,66,962 | 34,54,793 | 37,08,918 | 33,21,217 | 43,30,851 |
| 5A. Proportionate charges on Account of cost of management and Establishment and of Municipal Supervision to be adjusted hereafter ... | ... | ... | ... | 1,23,318 | 82,716 |
| 6. Debt Charges ... | 77,07,733 | 76,26,029 | 77,37,986 | 76,46,742 | 75,88,779 |
| 7. Repayment of excess amount received on account of Contribution from Municipal Corporation ... | ... | ... | ... | ... | ... |
| | 1,12,74,695 | 1,10,80,822 | 1,14,46,904 | 1,10,91,277 | 1,20,02,346 |
| *Less*— Proportionate charges on Account of management and Establishment and Municipal Supervision for the previous year adjusted during this year ... | | | | | 1,23,318 |
| | | | | | 1,18,79,028 |
| 8. Surplus (+) or Deficits (—) ... | —14,03,937 | —58,640 | —4,12,390 | +2,58,383 | —5,89,824 |
| Loans. | | | | | |
| 9. Debt outstanding ... | 15,59,71,304 | 15,53,50,802 | 15,47,09,175 | 15,40,45,705 | 15,33,59,648 |
| 10. Redemption and Sinking Funds in hand or invested ... | 4,39,87,275 | 4,65,11,835 | 4,40,09,506 | 4,65,64,237 | 4,92,30,611 |
| 11. Net Loan Debt ... | 11,19,84,029 | 10,88,38,967 | 11,06,99,669 | 10,74,81,468 | 10,41,29,037 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 22

## IMPROVEMENT SCHEMES

*General Account for the year ending 31st March 1953*

| Particulars. | Amount. | Particulars. | Amount. |
|---|---|---|---|
| | Rs. | | Rs. |
| To Revenue expenditure as per Appendix No. 24 ... | 1,18,79,028 | By Revenue Receipts as per Appendix No. 23 ... | 1,12,89,204 |
| | | Balance being deficits for the year (Transferred to Capital Account Balance Sheet) ... | 5,89,824 |
| Total ... | 1,18,79,028 | Total ... | 1,18,79,028 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 23

## IMPROVEMENT SCHEMES

### GENERAL ACCOUNT

### INCOME

*Statement showing the Net Receipts during the Financial year 1952-53 from all sources as contrasted with the Original Budget Estimate.*

| Particulars. | Budget Estimate for 1952-53. | Revised Estimate for 1952-53. | Actuals for 1952-53. | Actuals for 1951-52. | Compared with the Original Estimate | |
|---|---|---|---|---|---|---|
| | | | | | More. | *Less* |
| 1 | 2 | 3 | 5 | 4 | 6 | 7 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I.—RENTS AND OTHER PROCEEDS OF PROPERTIES— | | | | | | |
| (1) Lands comprised in Schedule W ... | 5,66,864 | 5,59,933 | 5,60,480 | 5,36,552 | ... | 6,384 |
| (2) Do. do. X ... | 1,31,032 | 1,31,038 | 1,28,934 | 1,32,061 | ... | 2,098 |
| (3) Do. do. Y ... | 1,05,508 | 1,05,748 | 1,06,646 | 1,01,177 | 1,138 | ... |
| (4) Do. do. Z ... | 204 | 204 | 204 | 204 | ... | ... |
| (5) Other Lands and Buildings ... | 55,80,122 | 54,26,633 | 55,61,688 | 53,05,128 | ... | 18,434 |
| | 63,83,730 | 62,23,556 | 63,57,952 | 60,75,122 | 1,138 | 26,916 |
| II.—Contribution from the Municipal Corporation under Section 125(2)(*d*) of the Municipal Act ... | 40,18,077 | 35,83,626 | 35,83,626 | 36,28,232 | ... | 4,34,451 |
| III.—Receipts on account of Tobacco Duty ... | 10,00,000 | 7,41,617 | 7,41,617 | 10,00,000 | ... | 2,58,383 |
| IV.—Interest and Profit on Investments ... | 5,50,000 | 5,80,000 | 5,32,383 | 5,79,516 | ... | 17,617 |
| V.—Miscellaneous Receipts ... | 34,000 | 35,600 | 73,626 | 66,790 | 39,626 | ... |
| Total Income ... | 1,19,85,807 | 1,11,64,399 | 1,12,89,204 | 1,13,49,660 | 40,764 | 7,37,367 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 24

## IMPROVEMENT SCHEMES

### General Account

## EXPENDITURE

*Statement showing the Actuals as compared with the Final Sanctioned Grants for 1952-53.*

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | Actuals for 1952-53. | Final Grants compared with the Actuals | | Actuals for 1951-52. |
|---|---|---|---|---|---|
| | | | Amount required to be renewed in 1953-54. | Savings. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| **A.—Maintenance of Properties and Streets.** | | | | | |
| (*a*) Maintenance of Properties— | | | | | |
| I—Lands comprised in Schedule W ... | 2,19,908 | 2,19,725 | 87 | 96 | 1,84,750 |
| II— Do. do. X ... | 54,151 | 52,490 | ... | 1,661 | 42,464 |
| III— Do. do. Y ... | 39,243 | 39,243 | ... | ... | 32,834 |
| IV— Do. do. Z ... | 81 | 81 | ... | ... | 64 |
| V—Other Lands and Buildings— | | | | | |
| (1) Schemes ... | 24,87,601 | 21,19,268 | 1,80,510 | 1,87,823 | 17,07,116 |
| (2) Chawls Permanent ... | 21,90,798 | 11,81,472 | 6,53,011 | 3,56,315 | 9,71,649 |
| (3) S. P. Sheds ... | 6,71,270 | 4,13,736 | 1,13,370 | 1,44,164 | 1,92,096 |
| (4) Purchase of plant & Machinary ... | 1,000 | 924 | ... | 76 | ... |
| VI—Preliminary expenses in connection with preparation of plans & Estimates for building works ... | 1,000 | ... | ... | 1,000 | ... |
| (*b*) Maintenance of Streets ... | 4,65,832 | 3,03,868 | 1,61,371 | 1,593 | 1,81,077 |
| (*c*) Preliminary expenses in connection with the Improvement of Slum areas ... | 32,850 | 44 | 500 | 32,306 | 9,167 |
| | 61,64,734 | 43,30,851 †† | 11,08,849 | 7,25,034 | †33,21,217 |
| | | | *+1,01,332 | — 1,01,332 | ... |
| Total A. | | | | | 33,21,217 |
| Proportionate charges on account of cost of management and Establishment to be adjusted hereafter | ... | 82,716 | ... | — 82,716 | 1,23,318 |
| **B.—Cost of Management and Establishment.** | | | | | |
| (*a*) Corporation and Standing Committee ... | 28,591 | 25,035 | 500 | 3,056 | 14,247 |
| (*b*) Deputy Municipal Commissioner's Office Establishment ... | 40,000 | 38,455 | 144 | 1,401 | 32,359 |
| (*c*) Audit and Accounts Establishment ... | 54,459 | 48,150 | 180 | 6,129 | 46,806 |
| (*d*) Estates and Land Management Department ... | 5,88,353 | 5,14,676 | 54,534 | 19,143 | 4,84,001 |
| (*e*) City Engineer's Department ... | 2,84,582 | 2,40,542 | 4,447 | 39,593 | 2,45,882 |
| (*f*) General Stores ... | 4,319 | 2,573 | ... | 1,746 | 2,480 |
| (*g*) Incidental Expenses ... | 3,03,230 | 2,41,741 | 11,127 | 50,362 | 2,34,060 |
| (*h*) Dearness Allowance (Grain Compensation) ... | 9,25,715 | 8,92,677 | 400 | 32,638 | 8,43,609 |
| Total B. | 22,29,249 | 20,03,849 | 71,332 | 1,54,068 | 19,03,444 |
| **C.—Proportionate charge on account of Municipal Supervision** ... | 3,85,083 | 2,64,723 | 30,000 | 90,360 | 2,91,958 |
| Total B and C | 26,14,332 | 22,68,572 | 1,01,332 | 2,44,428 | 21,95,402 |
| *Deduct*— | | | | | |
| Charged to Capital Account ... | 6,21,355 | 2,28,339 | ... | ... | 3,83,838 |
| Charged to General Account for the current year ... | 21,16,299 | 20,80,835 | 1,01,332 | ... | 16,88,246 |
| Amount to be adjusted hereafter ... | ... | 82,716 | ... | 82,716 | 1,23,318 |
| | 27,37,654 | 23,91,890 | ... | ... | 21,95,402 |
| *Deduct*— | | | | | |
| Charges for the previous year adjusted during this year. | 1,23,322 | 1,23,318 | ... | 1,23,318 | ... |
| **D.—Debt Charges.** | | | | | |
| I.—Interest on Loans ... | 65,09,446 | 63,32,227 | 1,71,193 | 6,026 | 64,12,777 |
| II.—Appropriation for reduction or avoidance of Debt ... | 12,56,552 | 12,56,552 | ... | ... | 12,33,965 |
| Total D. | 77,65,998 | 75,88,779 | 1,71,193 | 6,026 | 76,46,742 |
| Grand Total ... | 1,39,30,732 | 1,18,79,028 | 13,81,374 | 6,70,330 | 1,10,91,277 |

* Rs. 1,01,332 represent expenditure on account of cost of Management and Establishment including Municipal Supervision to be allocated at the end of the year.

†† This includes Rs. 19,57,516 and 1,23,318 being the share of cost of Management and Establishment chargeable to General Account for the current and previous year respectively and excludes Rs. 82,716 to be adjusted.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 25

## IMPROVEMENT SCHEMES

### *Balance Sheet—(Capital Account) as on 31st March 1953*

| LIABILITIES | | Rs. | ASSETS | | | | Rs. |
|---|---|---|---|---|---|---|---|
| LOANS OUTSTANDING— | | | BLOCK ACCOUNT— | | | | |
| (*Vide* details as shown in Appendix No. 29) | | 15,33,59,647-12-0 | Property and Assets at original cost as per Appendix No. 26 | | | | 20,36,38,560-3-11 |
| Book value of lands comprised in Schedules "W" and "X" | | 47,58,490-0-0 | Book value of lands comprised in Schedules "W" and "X" as per Appendix No. 27 (Section 91A of the Municipal Act) | | | | 47,58,490-0-0 |
| SURPLUS— | | | INVESTMENT RESERVE FUND— | | | | |
| Extraordinary receipts— | Rs. | | In Securities:— | Face Value Rs. | Rate % | Actual cost. Rs. | |
| Investment Reserve Fund | 54,92,810-11-0 | | 3 per cent. Bombay Municipal Debentures | 21,80,700 | Par | 21,80,700-0-0 | |
| Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan | 25,07,830-0-0 | | 3¼ Do. Do. | 57,300 | ,, | 57,300-0-0 | |
| Special grants from the Government of India | 54,00,000-0-0 | | 3 per cent. Conversion Loan 1946. | 6,90,900 | ,, | 6,90,900-0-0 | |
| Premia on loan raised in 1935-36 | 30,000-0-0 | | Do. Do. | 4,52,300 | 101-0 | 4,56,823-0-0 | |
| Sale proceeds of Lands and Buildings— | Rs. | | Do. Do. | 16,700 | 100-15 | 16,856-9-0 | |
| Sale proceeds up to 31st March 1952 | 6,40,45,787-14-2 | | 3 per cent. Loan 1963-65 | 4,02,300 | 98-0 | 3,94,254-0-0 | |
| Sale proceeds during 1952-53 | 12,28,150-2-6 | | 4 per cent. Bombay Improvement Trust Debentures | 10,39,800 | 92-12 | 9,64,414-8-0 | |
| | 6,52,73,938-0-8 | | 4% Loan 1960-70 | 3,87,600 | 103-0 | 3,99,228-0-0 | |
| Sinking Fund on Loans | 4,92,30,611-0-4 | | Do. Do. | 2,12,400 | 88-7 | 1,87,841-4-0 | |
| Loans Redemption Fund | 104,84,341-5-0 | | Do. Do. | 26,400 | 87-10 | 23,133-0-0 | |
| | 5,97,14,952-5-4 | | Do. Do. | 78,000 | 92-8 | 72,150-0-0 | |
| | 13,84,19,531-1-0 | | Do. Do. | 8,400 | 88-0 | 7,392-0-0 | |
| *Deduct*— | | | Do. Do. | 10,700 | 97-5 | 10,412-7-0 | |
| Revenue Deficits— | | | 3½ per cent. Bombay Municipal Debentures | 31,300 | Par | 31,300-0-0 | |
| Deficits upto 31st March 1952 | 2,03,71,899-10-1 | | | 55,94,800 | | 54,92,704-12-0 | |
| Deficit during 1952-53 | 5,89,824-7-10 | | In Cash | | | 105-15-0 | |
| | 2,09,61,724-1-11 | | | | | | 54,92,810-11-0 |
| | | 11,34,57,806-15-1 | SINKING FUND— | | | | |
| | | | As per Appendix No. 28 | | | | |
| | | | In Securities and Cash | | | | * 4,92,30,611-0-4 |
| | | | CAPITAL FUNDS— | | | | |
| | | | In Securities:— | Face Value Rs. | Rate % | Actual cost. Rs. | |
| | | | 4½ per cent. Bombay Improvement Trust Debentures | 23,77,600 | Par | 23,77,600-0-0 | |
| | | | 3 per cent. Bombay Municipal Debentures | 16,700 | ,, | 16,700 0-0 | |
| | | | 6 per cent. Bombay Improvement Trust Debentures | 39,32,600 | , | 39,32,600-0-0 | |
| | | | 3 per cent. Conversion Loan 1946 | 3,75,000 | ,, | 3,75,000-0-0 | |
| | | | Do. Do. | 1,77,500 | 100-15 | 1,79,164-1-0 | |
| | | | Do. Do. | 78,700 | 101-0 | 79,487-0-0 | |
| | | | Do. Do. | 43,500 | 99-12 | 43,391-4-0 | |
| | | | 2¾ Per cent. Loan 1962 | 12,39,000 | Par | 12.39,000-0C | |
| | | | | 82,40,600 | | 82,42,942-5-0 | |
| | | | In Cash Current Account fixed and call deposits | | | 42,12,530-6-10 | †1,24,55,472-11-0 |
| Total Rs. | | 27,55,75,944-11-1 | Total Rs. | | | | 27,55,75,944-11-1 |

* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1953, please see Appendix No. 30.

† Against this, there is a liability to the extent of Rs. 13,81,374 on account of outstanding charges for 1952-53 and previous years payable in the year 1953-54.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# Appendix No. 26

## IMPROVEMENT SCHEMES

*Block account showing details of Capital Expenditure upto 31st March 1953.*

| Particulars. | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| CAPITAL ACCOUNT. | | | |
| **Improvement and Street Schemes—** | | | |
| Schedule W Lands ... | 13,45,571 | ... | 13,45,571 |
| Schedule X Lands ... | 16,26,471 | ... | 16,26,471 |
| Schedule Z Lands ... | 8 | ... | 8 |
| Scheme No. | | | |
| 1 First Nagpada ... | 29,16,099 | ... | 29,16,099 |
| 2 Princess Street ... | 85,08,865 | ... | 85,08,865 |
| 3 Sandhurst Road ... | 1,13,79,105 | ... | 1,13,79,105 |
| 4 Gamdevi ... | 22,88,002 | ... | 22,88,002 |
| 5 Dadar-Matunga ... | 1,00,41,231 | 8,209 | 1,00,49,440 |
| 6 Sion-Matunga ... | 1,23,63,958 | 2,14,537 | 1,25,78,495 |
| 7 Colaba Reclamation ... | 4,78,538 | ... | 4,78,538 |
| 8 Mandvi-Koliwada ... | 26,52,501 | ... | 26,52,501 |
| 11 Agripada ... | 1 | 3,126 | 3,127 |
| 13 Souter Street Extension—East-wards ... | 68,102 | ... | 68,102 |
| 27 Mathew Road ... | 14,11,129 | ... | 14,11,129 |
| 29 Nowroji Hill ... | 85,33,018 | ... | 85,33,018 |
| 30 Souter Street Extension—West-wards ... | 1,30,512 | ... | 1,30,512 |
| 31 Parel ... | 91,04,651 | ... | 91,04,651 |
| 32 East Agripada ... | 50,57,935 | ... | 50,57,935 |
| 33 Bhatwadi ... | 3,28,433 | ... | 3,28,433 |
| 36 Lamington Road ... | 2,91,191 | ... | 2,91,191 |
| 37 Sydenham Road ... | 1,40,40,321 | ... | 1,40,40,321 |
| 41 Undria Street ... | 5,72,800 | ... | 5,72,800 |
| 43 Parel Road Central ... | 38,97,348 | ... | 38,97,348 |
| 47 Parel Road Northern ... | 52,96,220 | ... | 52,96,220 |
| 49 Nepean Sea Road—Reclamation ... | 3,053 | ... | 3,053 |
| 50 Mazagaon Street ... | 32,89,689 | ... | 32,89,689 |
| 52 Worli Street ... | 2,41,12,135 | 1,39,040 | 2,42,51,175 |
| 53 Foras Road .. | 36,82,009 | ... | 36,82,009 |
| 54 Kolbhatwadi ... | 21,79,254 | ... | 21,79,254 |
| 56 Dharavi Street ... | 95,96,456 | 1,23,019 | 97,19,475 |
| 57 Sewri-Wadala ... | 2,23,73,457 | 6,69,871 | 2,30,43,328 |
| 58 Worli-Extension ... | 55,83,237 | 2,72,932 | 58,56,169 |
| 59 Sewri-Koliwada ... | 5,50,563 | ... | 5,50,563 |
| 60 Naigaum Street ... | 75,97,646 | ... | 75,97,646 |
| 61 Fergusson Road ... | 15,68,030 | ... | 15,68,030 |
| 62 Love Lane ... | 16,18,731 | ... | 16,18,731 |
| 66 Mahaluxmi ... | 4,86,705 | ... | 4,86,705 |
| 69 Widening of Byculla Bridge... | 7,20,290 | ... | 7,20,290 |
| 71 Chaupati Street ... | 24,085 | ... | 24,085 |
| Chaupati Reclamation ... | 1,889 | ... | 1,889 |
| East Chaupati Estate ... | 4,380 | .. | 4,380 |
| Lump Provision for granting loans to erect buildings on Imp. Scheme lands as provided under Section 354W of the Municipal Act. ... | 19,921 | *Cr.* 6,333 | 13,588 |
| 72 Tripartite Road ... | 2,26,903 | *Cr.* 28 | 2,26,875 |
| 73 Palton Road ... | 4,53,094 | 1,89,597 | 6,42,691 |
| 74 Sion Overbridge ... | 92,077 | ... | 92,077 |
| Lump Provision for Acquisition ... | 6,136 | ... | 6,136 |
| Lump Provision for Housing Accommodation to the Poorer Classes ... | 19,45,153 | 4,79,719 | 24,24,872 |
| Housing of squatters on land Near Mankhurd Railway Station ... | 5,17,676 | 89,523 | 6,07,199 |
| Housing of squatters on land near Jogeshwari ... | ... | 1,603 | 1,603 |
| 76 Lohar Chawl Gully ... | 2,123 | 526 | 2,649 |
| 77 Housing Accommodation ... For Fishermen at Mahim causeway ... | 6,974 | 223 | 7,197 |
| Carried forward ... | 18,89,93,676 | 21,85,564 | 19,11,79,240 |

| Particulars. | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Brought over ... | 18,89,93,676 | 21,85,564 | 19,11,79,240 |
| **Police Accommodation Schemes.** | | | |
| Scheme No. | | | |
| 14 First Nagpada ... | 84,450 | ... | 84,450 |
| 16 Wodehouse Road ... | 3,22,667 | ... | 3,22,667 |
| 17 Duncan Road ... | 58,981 | ... | 58,981 |
| 18 Shepherd Road ... | 36,223 | ... | 36,223 |
| 19 Agripada ... | 1,79,120 | ... | 1,79,120 |
| 23 Connaught Road ... | 79,495 | ... | 79,495 |
| 24 Princess Street ... | 2,65,953 | ... | 2,65,953 |
| 25 Gamdevi ... | 1,29,407 | ... | 1,29,407 |
| 34 Lamington Road ... | 4,61,024 | ... | 4,61,024 |
| 35 Sandhurst Road West ... | 1,46,104 | ... | 1,46,104 |
| 39 Sandhurst Road East ... | 7,58,893 | ... | 7,58,893 |
| 40 Byculla ... | 8,28,411 | ... | 8,28,411 |
| 44 Maharbaudi ... | 2,71,434 | ... | 2,71,434 |
| 45 Palton Road ... | 5,71,492 | ... | 5,71,492 |
| 46 Naigaum ... | 5,69,142 | ... | 5,69,142 |
| 48 Mahim ... | 4,53,032 | ... | 4,53,032 |
| 55 Chinchbunder Road ... | 4,32,656 | ... | 4,32,656 |
| 55A Mazagaon ... | 4,53,560 | ... | 4,53,560 |
| 63 King's Circle (Matunga) ... | 4,82,185 | ... | 4,82,185 |
| 67 Naigaum (for Armed Police and Recruits) ... | 24,42,031 | ... | 24,42,031 |
| 70 Arthur Road ... | 1,58,357 | ... | 1,58,357 |
| | 91,84,617 | ... | 91,84,617 |
| **Mill Company's Chawl Schemes.** | | | |
| Scheme No. | | | |
| 42 Spring Mills ... | 5,18,990 | ... | 5,18,990 |
| 51 Century Mills ... | 1,29,980 | ... | 1,29,980 |
| 65 David Mills ... | 2,96,852 | ... | 2,96,852 |
| | 9,45,822 | ... | 9,45,822 |
| **Miscellaneous.** | | | |
| Survey of the Island of Bombay... | 1,06,046 | ... | 1,06,046 |
| Administrative Offices, etc.— | | | |
| Building on Esplanade Road near Queen's Statue ... | 3,21,562 | ... | 3,21,562 |
| Engineer's Office at Matunga ... | 1,38,468 | ... | 1,38,468 |
| Central Stores at the back of Frere Fletcher School ... | 15,656 | ... | 15,656 |
| Store yard at Agripada, etc. ... | 83,801 | ... | 83,801 |
| Workshop for Motor Lorries at Agripada ... | 90,368 | ... | 90,368 |
| Tools and Plant ... | 559 | ... | 559 |
| Refund of preliminary expenses to Government ... | 38,019 | ... | 38,019 |
| Preliminary expenses in connection with the Improvement of slum areas ... | 68,816 | ... | 68,816 |
| | 8,63,295 | ... | 8,63,295 |
| Discount on Loans ... | 14,53,359 | ... | 14,53,359 |
| Expenses in connection with the Loan of Rs. 10 lakhs ... | 12,227 | ... | 12,227 |
| | 14,65,586 | ... | 14,65,586 |
| Grand Total ... | 20,14,52,996 | * 21,85,564 | 20,36,38,560 |

* This figure includes Rs. 2,28,339 being the share of cost of Management and Establishment chargeable to Capital Account.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 27.

## IMPROVEMENT SCHEMES.

*Statement showing Capital value of Scheduled Lands as specified in the Schedules W, X, Y and Z annexed to Act XIII of 1933.*

| Properties. | Area. | Book value. | Total Amount. |
|---|---|---|---|
| SCHEDULE "W". | Sq. yds. | Rs. | Rs. |
| The Flats ... | 12,52,834 | 1,14,191 | |
| The Kennedy Sea Face ... | 4,447 | ... | |
| *(Cooperage Plot resumed by Government)* | | | |
| The Marine Lines Estate ... | 32,825 | 3,28,250 | |
| *(Marine Lines Maidan resumed by Government).* | | | |
| The Wellington Lines Plot ... | 44,038 | 4,40,380 | |
| The Wodehouse Road Plot ... | 41,580 | 4,15,800 | |
| The Hornby Road Plot ... | 41,774 | 8,35,480 | |
| The Triangular Plot South of Crawford Market ... | 7,707 | 1,54,140 | |
| The Plot North of Municipal Offices ... | 6,811 | 2,04,330 | |
| The Chaupati West Estate ... | 1,11,276 | 6,37,320 | |
| The Chaupati East Estate ... | 4,789 | 47,890 | |
| The Parel Estate ... | 30,804 | 99,000 | 32,76,781 |
| SCHEDULE "X" | | | |
| The Connaught Road Estate .. | 13,858 | 77,237 | |
| The West Agripada Estate ... | 2,27,971 | 6,64,534 | |
| The Central Agripada Estate ... | 2,911 | 10,528 | |
| The East Agripada Estate ... | 65,885 | 6,38,426 | |
| The Lands at Matunga | 86,187 | 90,984 | 14,81,709 |
| SCHEDULE "Y". | | | |
| The Nepean Sea Road Plot ... | 2,014 | | ... |
| The Colaba Reclamation ... | 46,580 | | ... |
| SCHEDULE "Z". | | | |
| The Hornby Road Plot ... | 3,250 | | ..... |
| | | | 47 58,490 |

T. V. DORAISWAMY,
*Chief Accountant*

P. R. NAYAK,
*Municipal Commissioner.*

## Appendix No. 28.

# IMPROVEMENT SCHEMES.

## SINKING FUND.

*Statement showing the actual Investments on account of the Sinking Fund of different Improvement Trust Loans upto 31st March 1953 compared with the amounts which should have accumulated upto that date on the basis of the fixed Instalments and the sums set aside as Sinking Fund as at 31st March 1953.*

| Name of Loan. | Amount raised. | When raised. | When repayable. | Amount of Half Yearly Sinking Fund Instalment. | Amount of Sinking Fund which should have accumulated upto 31st March 1953 at Compound Interest. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| *4½ per cent. basis.* | Rs. | | | Rs. | Rs. |
| 5 *per cent.* Debenture Loan ... | 40,00,000 | 10th November 1919 ... | 1st November 1957 ... / 1st November 1979 ... | 6,696 | 9,94,843 |
| 6 Do. do. ... | (a) 70,00,000 | 30th April 1920 ... | 1st April 1935 ... / 1st April 1980 ... | 21,002 | *13,32,197 |
| 4½ Do. do. ... | 45,00,000 | 20th February 1922 ... | 20th February 1982 ... | 7,533 | 9,95,385 |
| 4½ Do. do. ... | 52,00,000 | 2nd October 1922 ... | 2nd October 1982 ... | 8,705 | 10,83,335 |
| 4½ Do. do. ... | 8,00,000 | 22nd January 1923 ... | 22nd January 1983 ... | 1,340 | 1,66,758 |
| 4½ Do. do. ... | 82,00,000 | Do. ... | Do. ... | 13,727 | 17,08,334 |
| 4½ Do. do. ... | 30,00,000 | 14th March 1923 ... | 14th March 1983 ... | 5,022 | 6,24,987 |
| 4½ Do. do. ... | 40,00,000 | 2nd November 1923 ... | 2nd November 1983 ... | 6,696 | 7,84,095 |
| 4½ Do. do. ... | 20,00,000 | 2nd January 1924 ... | 2nd January 1984 ... | 3,348 | 3,92,045 |
| 4½ Do. do. ... | 29,00,000 | 5th March 1924 ... | 5th March 1984 ... | 4,855 | 5,68,510 |
| 4½ Do. do. ... | 20,00,000 | 1st November 1924 ... | 1st November 1984 ... | 3,348 | 3,68,505 |
| 4½ Do. do. ... | 60,00,000 | 10th November 1924 ... | 10th November 1984 ... | 10,044 | 11,05,521 |
| 4½ Do. do. ... | 20,00,000 | 2nd January 1925 ... | 2nd January 1985 ... | 3,348 | 3,63,505 |
| 4½ Do. do. ... | 20,00,000 | 2nd October 1925 ... | 2nd October 1985 ... | 3,348 | 3,45,989 |
| 4½ Do. do. ... | 15,00,000 | 2nd November 1925 ... | 2nd November 1985 ... | 2,511 | 2,59,492 |
| 4½ Do. do. ... | 35,00,000 | 2nd January 1926 ... | 2nd January 1986 ... | 5,859 | 6,05,481 |
| Rs. | 5,86,00,000 | | | 1,07,382 | 1,17,03,982 |
| *4 per cent. basis.* | | | | | |
| 4 *per cent.* Rupee Coupon Debenture Loan | 50,00,000 | 1st November 1899 ... | 1st November 1959 ... | 10,564 (b) | 37,45,326 |
| 4 Do. Debenture Loan ... | 30,00,000 | 6th September 1901 ... | 6th September 1961 ... | 6,280 | 20,52,725 |
| 4 Do. do. ... | 30,00,000 | 15th July 1902 ... | 15th July 1962 ... | 6,280 | 19,60,833 |
| 4 Do. do. ... | 60,00,000 | 20th August 1903 ... | 20th August 1963 ... | 12,560 | 37,44,962 * |
| 4 Do. do. ... | 50,00,000 | 7th September 1904 ... | 7th September 1964 ... | 10,493 (c) | 29,78,825 |
| 4 Do do. ... | 30,00,000 | 12th September 1905 ... | 12th September 1965 ... | 6,280 | 17,05,977 |
| 5 Do. do. ... | 25,00,000 | 17th September 1926 ... | 16th September 1956 ... / 16th September 1986 ... | 5,233 | 4,71,053 |
| Rs. | 2,75,00,000 | | | 57,690 | 1,66,59,691 |
| *3½ per cent. basis.* | | | | | |
| 4 *per cent.* Debenture Loan Rs. | 25,00,000 | 4th October 1927 ... | 4th April 1961 ... / 4th October 1970 ... | 12,695 | 10,01,661 |
| *3 per cent. basis.* | | | | | |
| 4 *per cent.* Debenture Loan ... | 20,00,000 | 2nd October 1906 ... | 2nd October 1966 ... | 6,148 (d) | 12 02,279 |
| Do. do. ... | 15,00,000 | 24th September 1907 | 24th September 1967 ... | 4,610 | 8,66,352 * |
| Do. do. ... | 30,00,000 | 8th September 1908 ... | 8th September 1968 ... | 9,219 | 16,63,664 |
| 4 *per cent.* Sterling Coupon Debenture Loan (£5,66,600) ... | 84,99,000 | 1st July 1909 ... | 1st July 1969 ... | 25,654 | 45,35,846 |
| 4 Do. do. (£3,33,000) ... | 49 95,000 | 1st July 1910 ... | 1st July 1970 ... | 15,077 | 25,58,044 |
| 4 *per cent.* Debenture Loan ... | 25,00,000 | 28th August 1912 ... | 28th August 1972 ... | 7,683 | 11,73,279 |
| 4 Do. do. ... | 18,00,000 | 26th August 1913 ... | 26th August 1973 ... | 5,532 | 8,09,190 * |
| 4 Do. do. ... | 50,00,000 | 4th August 1914 ... | 4th August 1974 ... | 15,365 | 21,51,525 |
| 4 Do do. ... | 25,00,000 | 3rd January 1916 ... | 3rd January 1976 ... | 7,683 | 10,29,242 |
| 3½ Do. do. ... | 10,00,000 | 31st January 1936 ... | 14th March 1966 ... | 21,019 (e) | 4,58,080 |
| Rs. | 3,27,94,000 | | | 1,17,990 | 1,61,47,501 |
| Grand Total Rs. ... | 12,13,94,000 | | | Total Rs. | † 4,58,12,835 |

| | Amount actually invested upto 31st March 1953. | | | | Amount of interest accrued upto 31st March 1953 collected and invested in 1953-54 | Total of Columns 5 and 6. |
|---|---|---|---|---|---|---|
| | Amount of Sinking Fund invested upto 31st March 1952. | Sinking Fund Instalments paid in 1952-53 | Interest, etc. accumulations invested in 1952-53 | Total. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Sinking Funds ... | 4,65,64,237 3 4 | 5,70,495 0 0 | 20,95,878 13 0 | 4,92,30,611 0 4 | | |
| *Less*-withdrawn for repayment of Loans | | | | ... | | |
| Total Sinking Fund ... | | | | 4,92,30,611 0 4 | | |
| In Public Securities as detailed in Appendix No. 30 ... | | | | 4,92,30,399 12 0 | | |
| In Cash with the Imperial Bank of India. | | | | 211 4 4 | | |
| Total Rs. ... | | | | 4,92,30,611 0 4 | 1,10,889 5 3 | 4,93,41,500 5 7 |

(a) Out of Rs. 70 lakhs Loan Debentures for Rs. 4 lakhs held by the public were repaid on 1-4-35 under the option reserved to the Corporation, leaving balance of Rs. 66 lakhs. The amount of half-yearly Sinking Fund instalment has been changed with effect from 1-4-35 from Rs. 12,002 to Rs. 21.002 as under:—

| | |
|---|---|
| The usual half-yearly S.F. instalment | ... Rs. 12,002 |
| Half yearly interest at 4½% on the portion of Rs. 4 lakhs repaid out of S.F. accumulations | ... ,, 9,000 |
| | Rs. 21,002 |

(b) 16 instalments of Rs. 10,240 each and the rest at Rs. 10,564.
(c) 5 instalments of Rs. 10,240 each and the rest at Rs. 10,493.
(d) 1 instalment of Rs 6,037 and the rest at Rs. 6,148.
(e) This amount to be invested annually.
* Calculations have been based on one instalment less.
† All Sinking fund Instalments are re-arranged with effect from 1943-44.

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner*

**Appendix**

IMPROVEMENT

*Statement showing outstanding Loans of the Bombay Improvement Trust due by the payable for the year 1952-53, the amount paid during the year and the*

| No. | Particulars of Loans. | Amount raised. | Balance due on 1st April 1952. | Rate of Interest | Amount raised in 1952-53. | Total. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | *Loans raised from Government.* | Rs. a. | Rs. a. p. | | Rs a. | Rs. a p. |
| 1 | Consolidated Loan in respect of Conversion Loan 1937-38, Rs. 35 lakhs Loan, and Rs. 8 lakhs Loan ... | 4,17,94,178 1 | 3,30,51,704 15 0 | 3.3759 per cent. | | 3,30,51,704 15 0 |
| 2 | 45 lakhs Loan 1922 ... | 45,00,000 0 | 4,97,696 0 0 | 4¾ Do. | | 4,97,696 0 0 |
| | | | 40,02,304 0 0 | 4½ Do. | | 40,02,304 0 0 |
| 3 | 52 lakhs Loan October 1922 ... | 52,00,000 0 | | | | |
| 4 | 8 lakhs Loan 22nd January 1923 ... | 8,00,000 0 | 19,02,304 0 0 | 5½ Do. | | 19,02,304 0 0 |
| 5 | 82 lakhs Loan 22nd January 1923 ... | 82,00,000 0 | 1,52,97,696 0 0 | 4½ Do. | | 1,52,97,696 0 0 |
| 6 | 30 lakhs Loan 14th March 1923 ... | 30,00,000 0 | | | | |
| 7 | 40 lakhs Loan 2nd November 1923 ... | 40,00,000 0 | | | | |
| 8 | 20 lakhs Loan 2nd January 1924 ... | 20,00,000 0 | 12,00,000 0 0 | 5½ Do. | | 12,00,000 0 0 |
| 9 | 29 lakhs Loan 5th March 1924 ... | 29,00,000 0 | 77,00,000 0 0 | 4½ Do. | | 77,00,000 0 0 |
| 10 | 20 lakhs Loan 1st November 1924 ... | 20,00,000 0 | | | | |
| 11 | 60 lakhs Loan 10th November 1924 ... | 60,00,000 0 | 15,00,000 0 0 | 5 Do. | | 15,00,000 0 0 |
| 12 | 20 lakhs Loan 2nd January 1925 ... | 20,00,000 0 | 85,00,000 0 0 | 4½ Do. | | 85,00,000 0 0 |
| 13 | 20 lakhs Loan 2nd October 1925 ... | 20,00,000 0 | | | | |
| 14 | 15 lakhs Loan 2nd November 1925 ... | 15,00,000 0 | 24,00,000 0 0 | 5½ Do. | | 24,00,000 0 0 |
| 15 | 35 lakhs Loan 2nd January 1925 ... | 35,00,000 0 | 46,00,000 0 0 | 4½ Do | | 46,00,000 0 0 |
| | Total loans raised from Government ... | 8,93,94,178 1 | 8,06,51,704 15 0 | | | 8,06,51,704 15 0 |
| | *Loans raised from the Public.* | | | | | |
| 1 | 50 lakhs Rupee Coupon Debenture Loan 1899 ... | 50,00,000 0 | 50,00,000 0 0 | 4 per cent | | 50,00,000 0 0 |
| 2 | 30 lakhs Loan 1901 ... | 30,00,000 0 | 30,00,000 0 0 | 4 Do. | | 30,00,000 0 0 |
| 3 | 30 lakhs Loan 1902 ... | 30,00,000 0 | 30,00,000 0 0 | 4 Do. | | 30,00,000 0 0 |
| 4 | 60 lakhs Loan 1903 ... | 60,00,000 0 | 60,00,000 0 0 | 4 Do. | | 60,00,000 0 0 |
| 5 | 50 lakhs Loan 1904 ... | 50,00,000 0 | 50,00,000 0 0 | 4 Do. | | 50,00,000 0 0 |
| 6 | 30 lakhs Loan 1905 ... | 30,00,000 0 | 30,00,000 0 0 | 4 Do. | | 30,00,000 0 0 |
| 7 | 20 lakhs Loan 1906 ... | 20,00,000 0 | 20,00,000 0 0 | 4 Do. | | 20,00,000 0 0 |
| 8 | 15 lakhs Loan 1907 ... | 15,00,000 0 | 15,00,000 0 0 | 4 Do. | | 15,00,000 0 0 |
| 9 | 30 lakhs Loan 1908 ... | 30,00,000 0 | 30,00,000 0 0 | 4 Do. | | 30,00,000 0 0 |
| 10 | Sterling Coupon Debenture Loan 1909 (£ 5,66,600) ... | 84,99,000 0 | 84,99,000 0 0 | 4 Do. | | 84,99,000 0 0 |
| 11 | Sterling Coupon Debenture Loan 1910 (£ 3,33,000) ... | 49,95,000 0 | 49,95,000 0 0 | 4 Do. | | 49,95,000 0 0 |
| 12 | 25 lakhs Loan 1912 ... | 25,00,000 0 | 25,00,000 0 0 | 4 Do. | | 25,00,000 0 0 |
| 13 | 18 lakhs Loan 1913 ... | 18,00,000 0 | 18,00,000 0 0 | 4 Do. | | 18,00,000 0 |
| 14 | 50 lakhs Loan 1914 ... | 50,00,000 0 | 50,00,000 0 0 | 4 Do. | | 50,00,000 0 0 |
| 15 | 25 lakhs Loan 1916 ... | 25,00,000 0 | 25,00,000 0 0 | 4 Do. | | 25,00,000 0 0 |
| 16 | 40 lakhs Loan 1919 ... | 40,00,000 0 | 40,00,000 0 0 | 5 Do. | | 40,00,000 0 0 |
| 17 | 70 lakhs Loan 1920 ... | 70,00,000 0 | 66,00,000 0 0 | 6 Do. | | 66,00,000 0 0 |
| 18 | 25 lakhs Loan 1926 ... | 25,00,000 0 | 25,00,000 0 0 | 5 Do. | | 25,00,000 0 0 |
| 19 | 25 lakhs Loan 1927 ... | 25,00,000 0 | 25,00,000 0 0 | 4 Do. | | 25,00,000 0 0 |
| 20 | 10 lakhs Loan 1935 ... | 10,00,000 0 | 10,00,000 0 0 | 3½ Do. | | 10,00,000 0 0 |
| | Total Loans raised from the Public ... | 7,37,94,000 0 | 7,33,94,000 0 0 | | | 7,33,94,000 0 0 |
| | Grand Total ... | 16,31,88,178 1 | 15,40,45,704 15 0 | | | 15,40,45,704 15 0 |

T. V. DORAISWAMY,
*Chief Accountant.*

**No. 29.**
SCEHMES.

*Municipality, the interest outstanding on 1st April 1952, on the different Loans, the amount Balances outstanding on 31st March 1953.*

| Amount repaid in 1952-53. 8 | Balance due on 31st March 1953. 9 | Interest outstanding on 1st April 1952. 10 | Interest payable in 1952-53. 11 | Total interest due. 12 | Deduct interest paid during the year. 13 | Outstanding balance on 31st March 1953. 14 |
|---|---|---|---|---|---|---|
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 6,86,057 3 0 | 3,23,65,647 12 0 | | 11,10,050 13 0 | 11,10,050 13 0 | 11,10,050 13 0 | ... |
| ... | 3,31,797 0 0 | (a) | 23,640 9 0 | 23,640 9 0 | 23,640 9 0 | ... |
| ... | 41,68,203 0 0 | (a) | 1,80,104 7 0 | 1,80,104 7 0 | 1,80,102 12 0 | *1 11 0 |
| ... | 12,68,203 0 0 | (b) | 1,04,626 12 0 | 1,04,626 12 0 | 1,04,626 12 0 | ... |
| ... | 1,59,31,797 0 0 | (b) | 6,88,397 4 0 | 6,88,397 4 0 | 6,88,397 4 0 | ... |
| ... | 8,00,000 0 0 | (c) | 63,000 0 0 | 63,000 0 0 | 63,000 0 0 | ... |
| ... | 81,00,000 0 0 | (c) | 3,46,500 0 0 | 3,46,500 0 0 | 3,46,500 0 0 | ... |
| ... | 10,00,000 0 0 | (d) | 75,000 0 0 | 75,000 0 0 | 75,000 0 0 | ... |
| ... | 90,00,000 0 0 | (d) ... | 3,82,500 0 0 | 3,82,500 0 0 | 3,82,500 0 0 | ... |
| ... | 18,00,000 0 0 | (e) | 1,26,000 0 0 | 1,26,000 0 0 | 1,26,000 0 0 | ... |
| ... | 52,00,000 0 0 | (e) | 2,07,000 0 0 | 2,07,000 0 0 | 2,07,000 0 0 | ... |
| 6,86,057 3 0 | 7,99,65,647 12 0 | | 33,06,819 13 0 | 33,06,819 13 0 | 33,06,818 2 0 | *1 11 0 |
| ... | 50,00,000 0 0 | 8,408 15 4 | 2,00,000 0 0 | 2,08,408 15 4 | 2,03,510 0 0 | 4,898 15 4 |
| ... | 30,00,000 0 0 | 3,709 6 10 | 1,20,000 0 0 | 1,23,709 6 10 | 1,21,561 8 0 | 2,147 14 10 |
| ... | 30,00,000 0 0 | 11,272 13 6 | 1,20,000 0 0 | 1,31,272 13 6 | 1,22,272 6 0 | 9,000 7 6 |
| ... | 60,00,000 0 0 | 19,951 15 4 | 2,40,000 0 0 | 2,59,951 15 4 | 2,33,454 0 0 | 26,497 15 4 |
| ... | 50,00,000 0 0 | 25,508 15 8 | 2,00,000 0 0 | 2,25,508 15 8 | 1,95,260 8 0 | 30,248 7 8 |
| ... | 30,00,000 0 0 | 4,198 11 4 | 1,20,000 0 0 | 1,24,198 11 4 | 1,18,969 12 0 | 5,228 15 4 |
| ... | 20,00,000 0 0 | 2,785 15 0 | 80,000 0 0 | 82,785 15 0 | 79,981 2 0 | 2,804 13 0 |
| ... | 15,00,000 0 0 | 5,898 0 0 | 60,000 0 0 | 65,898 0 0 | 59,218 8 0 | 6,679 8 0 |
| ... | 30,00,000 0 0 | 11,462 11 0 | 1,20,000 0 0 | 1,31,462 11 0 | 1,24,189 12 0 | 7,272 15 0 |
| ... | 84,99,000 0 0 | 560 0 0 | 3,06,542 0 0 | 3,07,102 0 0 | 3,03,172 2 8 | 100 0 0<br>*3,829 13 4 |
| ... | 49,95,000 0 0 | 220 0 0 | 1,80,102 0 0 | 1,80,322 0 0 | 1,78,128 14 0 | *2,193 2 0 |
| ... | 25,00,000 0 0 | 2,648 4 8 | 1,00,000 0 0 | 1,02,648 4 8 | 99,247 12 0 | 3,400 8 8 |
| ... | 18,00,000 0 0 | 6,770 7 0 | 72,000 0 0 | 78,770 7 0 | 70,687 4 0 | 8,083 3 0 |
| ... | 50,00,000 0 0 | 8,824 14 0 | 2,00,000 0 0 | 2,08,824 14 0 | 2,00,049 2 0 | 8,775 12 0 |
| ... | 25,00,000 0 0 | ... | 1,00,000 0 0 | 1,00,000 0 0 | 1,00,000 0 0 | ... |
| ... | 40,00,000 0 0 | 825 0 0 | 2,00,000 0 0 | 2,00,825 0 0 | 1,98,700 0 0 | 2,125 0 0 |
| ... | 66,00,000 0 0 | ... | 3,96,000 0 0 | 3,96,000 0 0 | 3,96,000 0 0 | ... |
| ... | 25,00,000 0 0 | 1,566 4 0 | 1,25,000 0 0 | 1,26,566 4 0 | 1,20,522 13 0 | 6,043 7 0 |
| ... | 25,00,000 0 0 | 13,368 4 0 | 1,00,000 0 0 | 1,13,368 4 0 | 1,00,483 8 0 | 12,884 12 0 |
| ... | 10,00,000 0 0 | ... | 35,000 0 0 | 35,000 0 0 | ... | 35,000 0 0 |
| ... | 7,33,94,000 0 0 | 1,27,980 9 8 | 30,74,644 0 0 | 32,02,624 9 8 | 30,25,408 15 8 | 1,71,192 10 8<br>*6,022 15 4 |
| 6,86,057 3 0 | 12,33,59,647 12 0 | 1,27,980 9 8 | 63,81,463 13 0 | 65,09,444 6 8 | 63,32,227 1 8 | 1,71,192 10 8<br>*6,024 10 4 |

| | Amount of loan outstanding on 1st April 1952. | Amount of debentures held by Govt. on 1st April 1952. | Amount of debentures re-purchased during 1952-53. | Amount of debentures held by Govt. on 31st March 1953. | Amount of debentures held by the Corporation on 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| (a) | 45,00,000 | 4,97,696 | 1,65,899 | 3,31,797 | 41,68,203 |
| (b) | 1,72,00,000 | 19,02,304 | 6,34,101 | 12,68,203 | 1,59,31,797 |
| (c) | 89,00,000 | 12,00,000 | 4,00,000 | 8,00,000 | 81,00,000 |
| (d) | 1,00,00,000 | 15,00,000 | 5,00,000 | 10,00,000 | 90,00,000 |
| (e) | 70,00,000 | 24,00,000 | 6,00,000 | 18,00,000 | 52,00,000 |
| Total. | 4,76,00,000 | 75,00,000 | 23,00,000 | 52,00,000 | 4,24,00,000 |

* To be treated as savings.

P. R. NAYAK,
Municipal Commissioner.

## Appendix No 30.

## IMPROVEMENT SCHEMES.

*Comparison of Face, Purchase and Market Values as on 31st March 1953 of the different Securities held in the Sinking Fund (vide para 30 of the Chief Accountant's Report).*

| Particulars of Securities. | Face Value. | Book Value. | Market rate per cent. | Value at Market rates (B. I. Trust and Municipal Debentures being valued at par). |
|---|---|---|---|---|
| | Rs. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 4 per cent. Bombay Port Trust Debentures ... | 3,17,000 | 2,84,726 14 0 | 99 12 0 | 3,16,207 8 0 |
| 4 per cent. Bombay Improvement Trust Debentures ... | 19,53,000 | 18,10,538 4 0 | Par | 19,53,000 0 0 |
| 4½ per cent. Bombay Improvement Trust Debentures | 3,99,77,900 | 3,99,77,900 0 0 | ,, | 3,99,77,900 0 0 |
| 5 per cent. Bombay Improvement Trust Debentures ... | 9,81,500 | 9,05,409 10 0 | ,, | 9,81,500 0 0 |
| per cent. Bombay Improvement Trust Debentures ... | 24,37,700 | 24,54,425 0 0 | ,, | 24,37,700 0 0 |
| 3½ per cent. Bombay Municipal Debentures ... | 4,58,000 | 4,58,000 0 0 | ,, | 4,58,000 0 0 |
| 3 per cent. Bombay Municipal Debentures ... | 17,96,300 | 17,96,300 0 0 | ,, | 17,96,300 0 0 |
| 3¼ per cent. Bombay Municipal Debentures ... | 43,500 | 43,500 0 0 | ,, | 43,500 0 0 |
| 3 per cent. Conversion Loon ... | 1,37,600 | 1,37,600 0 0 | 82 9 0 | 1,13,606 0 0 |
| 4 per cent. B. I. Trust Sterling Debentures ... | £90,800 | 13,62,000 0 0 | Par at 1/5 31/32 | 12,12,772 2 9 |
| Total | Rs. 4,81,02,500<br>£ 90,800 | 4,92,30,399 12 0 | | 4,92,90,485 10 9 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 31.

## EDUCATION FUND.

*Revenue Account for the year ended 31st March 1953*

| Particulars. | Rs. a. p. | Total Rs. a. p. | Particulars. | Rs. a. p. | Total Rs. a. p. |
|---|---|---|---|---|---|
| To Revenue Expenditure as per Appendix No. 33 | | | By Revenue Receipts as per Appendix No. 32 | | |
| City Section ... | 1,16,49,518 2 3 | | City Section ... | 1,20,41,242 8 6 | |
| Suburban Section... | 16,38,850 8 6 | 1,32,88,368 10 9 | Suburban Section | 15,99,402 12 0 | 1,36,40,645 4 6 |
| Balance being surplus for the year ... ... ... | | 3,52,276 9 9 | | | |
| Total ... ... | | 1,36,40,645 4 6 | Total ... ... ... | | 1,36,40,645 4 6 |
| To Revenue Expenditure to be incurred in 1953-54 and provided for as Renewed Grants ... ... ... | | 9,42,688 0 0 | By Opening Balance ... ... ... ... ... | | 75,984 14 10 |
| | | | ,, Revenue of previous years reserved for the year 1952-53 ... ... | | 12,90,937 0 0 |
| To Balance being Surplus Revenue Fund as at 31st March 1953 ... ... | | 7,76,510 8 7 | ,, Surplus for the year ... ... ... ... ... | | 3,52,276 9 9 |
| Total ... ... ... | | 17,19,198 8 7 | Total ... ... ... | | 17,19,198 8 7 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 32.

## EDUCATION FUND.

*Statement showing the Net Income Receipts during the Financial year 1952-53 from all sources as contrasted with the original and Revised Budget Estimates.*

| Particulars. | Budget Estimates for 1952-53. | | | Revised Estimates for 1952-53. | | | Actuals for 1952-53. | | | Actuals for 1951-52. | | | Compared with Original Estimate. | Compared with Revised Estimate. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City. | Suburbs. | Total. | City. | Suburbs. | Total. | City. | Suburbs. | Total. | City. | Suburbs. | Total. | + Increase. — Decrease. | + Increase. — Decrease. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs | Rs. | Rs. |
| (1) Fees and Fines from Municipal Schools ... | 4,24,000 | 60,000 | 4,84,000 | 4,50,000 | 60,000 | 5,10,000 | 5,19,327 | 65,526 | 5,84,853 | 3,25,212 | 39,766 | 3,64,978 | + 1,00,853 | + 74,853 |
| (2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act ... | 1,00,45,192 | 8,72,876 | 1,09,18,068 | 89,59,064 | 9,79,298 | 99,38,362 | 89,59,,064 | 9,79,298 | 99,38,362 | 1,13,00,121 | 15,78,242 | 1,28,78,363 | — 9,79,706 | ... |
| (3) Contribution from Government under clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act. | 25,58,000 | 6,18,000 | 31,76,000 | 25,58,000 | 6,18,000 | 31,76,000 | 25,08,875 | 5,50,000 | 30,58,875 | ... | ... | ... | — 1,17,125 | — 1,17,125 |
| (4) Interest on Endowment and Investments ... | 7,200 | ... | 7,200 | 7,200 | ... | 7,200 | 7,312 | ... | 7,312 | 6,590 | ... | 6,590 | + 112 | + 112 |
| (5) Rent and other proceeds of Properties ... | 1,000 | 1,700 | 2,700 | 1,000 | 500 | 1,500 | 2,146 | ... | 2,146 | 504 | ... | 504 | — 554 | + 646 |
| (6) Interest and Profit on Investments of Surplus Loan and other balances. | 150 | ... | 150 | 6,000 | ... | 6,000 | 9,411 | ... | 9,411 | ... | ... | ... | + 9,261 | + 3,411 |
| (7) Miscellaneous Receipts | 8,000 | 1,000 | 9,000 | 11,000 | 4,000 | 15,000 | 35,107 | 4,579 | 39,686 | 24,728 | 1,013 | 25,741 | +30,686 | +24,686 |
| Total ... | 1,30,43,542 | 15,53,576 | 1,45,97,118 | 1,19,92,264 | 16,61,798 | 1,36,54,062 | 1,20,41.242 | 15,99,403 | 1,36,40,645 | 1,16,57,155 | 16,19,021 | 1,32,76,176 | — 9,56,473 | — 13,417 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 33

## EDUCATION FUND

### Expenditure

*Statement showing actuals as Compared with the final sanctioned grants for 1952-53.*

| Particulars. | Final grants sanctioned for expenditure during 1952-53. | | | Actuals for 1952-53 | | | Final grants Compared with the actuals. | | | | | | Actuals for 1951-52. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Amounts to be renewed in 1953-54 | | | Savings | | | | | |
| | City | Suburbs. | Total | City | Suburbs | Total | City | Suburbs | Total | City | Suburbs | Total | City | Suburbs | Total. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| **A—General Supervision and Administration—** | | | | | | | | | | | | | | | |
| (a) Corporation and Standing Committee ... | 19,261 | ... | 19,261 | 16,199 | ... | 16,199 | 787 | ... | 787 | 2,275 | ... | 2,275 | 13,436 | ... | 13,436 |
| (b) Municipal Commissioner's Office Establishment ... | 8,825 | ... | 8,825 | 8,678 | ... | 8,678 | ... | ... | ... | 147 | ... | 147 | 5,796 | ... | 5,796 |
| (c) Audit and Accounts Establishment ... | 1,08,841 | 7,376 | 1,16,217 | 1,03,926 | 6,355 | 1,10,281 | 1,766 | 233 | 1,999 | 3,149 | 788 | 3,937 | 90,130 | 6,318 | 96,448 |
| (d) Education Officer's Establishment ... | 1,21,200 | ... | 1,21,200 | 1,09,690 | ... | 1,09,690 | 4,520 | ... | 4,520 | 6,990 | ... | 6,990 | 93,172 | ... | 93,172 |
| (e) Contribution to Budget A for Cost of Supervision... | 18,709 | ... | 18,709 | 14,511 | ... | 14,511 | ... | ... | ... | 4,198 | ... | 4,198 | 13,621 | ... | 13,621 |
| (f) Miscellaneous Charges ... | 2,000 | ... | 2,000 | 90 | ... | 90 | ... | ... | ... | 1,910 | ... | 1,910 | ... | ... | ... |
| | 2,78,836 | 7,376 | 2,86,212 | 2,53,094 | 6,355 | 2,59,449 | 7,073 | 233 | 7,306 | 18,669 | 788 | 19,457 | 2,16,155 | 6,318 | 2,22,473 |
| **B—Municipal Primary Schools** | | | | | | | | | | | | | | | |
| (a) Supervision of Schools .. | 3,33,260 | 71,474 | 4,04,734 | 2,90,037 | 55,098 | 3,45,135 | 6,872 | 2,812 | 9,684 | 36,351 | 13,564 | 49,915 | 2,92,360 | 38,393 | 3,30,753 |
| (b) Schools ... | 76,63,619 | 12,15,126 | 88,78,745 | 64,20,388 | 9,42,015 | 73,62,403 | 2,23,990 | 1,16,210 | 3,40,200 | 10,19,241 | 1,56,901 | 11,76,142 | 60,54,986 | 6,12,289 | 66,67,275 |
| (c) Libraries ... | 32,852 | 5,391 | 38,243 | 12,112 | 1,048 | 13,160 | 5,434 | ... | 5,434 | 15,306 | 4,343 | 19,649 | 8,686 | 1,359 | 10,045 |
| | 80,29,731 | 12,91,991 | 93,21,722 | 67,22,537 | 9,98,161 | 77,20,698 | 2,36,296 | 1,19,022 | 3,55,318 | 10,70,898 | 1,74,808 | 12,45,706 | 63,56,032 | 6,52,041 | 70,08,073 |
| **C—Private Primary Schools** | | | | | | | | | | | | | | | |
| (a) Supervision of Schools ... | 37,147 | 10,898 | 48,045 | 31,603 | 7,640 | 39,243 | 1,037 | ... | 1,037 | 4,507 | 3,258 | 7,765 | 25,630 | 2,921 | 28,551 |
| (b) Grant-in-aid to Schools... | 8,88,950 | 1,15,000 | 10,03,950 | 5,17,602 | ... | 5,17,602 | 3,57,000 | 1,15,000 | 4,72,000 | 14,348 | ... | 14,348 | 5,00,347 | 2,54,249 | 7,54,596 |
| | 9,26,097 | 1,25,898 | 10,51,995 | 5,49,205 | 7,640 | 5,56,845 | 3,58,037 | 1,15,000 | 4,73,037 | 18,855 | 3,258 | 22,113 | 5,25,977 | 2,57,170 | 7,83,147 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **D—Medical Inspection of School Children—** | | | | | | | | | | | | | | | |
| (*a*) Medical Inspection ... | 90,489 | 14,079 | 1,04,568 | 76,417 | 1,351 | 77,768 | 2,945 | 243 | 3,188 | 11,127 | 12,485 | 23,612 | 71,974 | 993 | 72,967 |
| (*b*) School Clinic at K.E.M Hospital | 18,271 | ... | 18,271 | 17,515 | ... | 17,515 | 2 | ... | 2 | 754 | ... | 754 | 16,315 | ... | 16,315 |
| | 1,08,760 | 14,079 | 1,22,839 | 93,932 | 1,351 | 95,283 | 2,947 | 243 | 3,190 | 11,881 | 12,485 | 24,366 | 88,289 | 993 | 89,282 |
| **E—Enforcement of Compulsion.** | 60,678 | 9,540 | 70,218 | 51,807 | 7,692 | 59,499 | 187 | ... | 187 | 8,684 | 1,848 | 10,532 | 60,780 | 6,565 | 67,345 |
| **F—Educational Activities—** | | | | | | | | | | | | | | | |
| (*a*) R. C. Training Institute for Lady Urdu Teachers | 26,576 | ... | 26,576 | 16,790 | ... | 16,790 | 1,690 | ... | 1,690 | 8,096 | ... | 8,096 | 17,007 | ... | 17,007 |
| (*b*) Byculla Education Centre | 7,927 | ... | 7,927 | 5,163 | ... | 5,163 | ... | ... | ... | 2,764 | ... | 2,764 | 11,657 | ... | 11,657 |
| (*c*) Functions ... | 10,005 | 1,200 | 11,205 | 2,788 | 825 | 3,613 | 1,486 | 175 | 1,661 | 5,731 | 200 | 5,931 | 4,390 | 1,066 | 5,456 |
| (*d*) Scouting ... | 40,888 | 4,832 | 45,720 | 12,884 | 241 | 13,125 | 6,979 | 686 | 7,665 | 21,025 | 3,905 | 24,930 | 20,731 | 352 | 21,083 |
| | 85,396 | 6,032 | 91,428 | 37,625 | 1,066 | 38,691 | 10,155 | 861 | 11,016 | 37,616 | 4,105 | 41,721 | 53,785 | 1,418 | 55,203 |
| **G—Pension and Provident Fund—** | | | | | | | | | | | | | | | |
| (*a*) Provident Fund ... | 6,83,000 | 1,01,000 | 7,84,000 | 6,51,407 | 98,492 | 7,49,899 | ... | ... | ... | 31,593 | 2,508 | 34,101 | 6,01,865 | 36,106 | 6,37,971 |
| (*b*) Pension | 2,82,844 | ... | 2,82,844 | 2,66,216 | ... | 2,66,216 | 9,575 | ... | 9,575 | 7,053 | ... | 7,053 | 2,54,024 | ... | 2,54,024 |
| | 9,65,844 | 1,01,000 | 10,66,844 | 9,17,623 | 98,492 | 10,16,115 | 9,575 | ... | 9,575 | 38,646 | 2,508 | 41,154 | 8,55,889 | 36,106 | 8,91,995 |
| **H—Dearness Allowance** ... | 30,94,610 | 5,99,039 | 36,93,649 | 28,72,219 | 5,04,017 | 33,76,236 | 48,439 | 30,549 | 78,988 | 1,73,952 | 64,473 | 2,38,425 | 26,82,199 | 4,11,582 | 30,93,781 |
| **I—New Works** ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15,000 | ... | 15,000 |
| **J—Debt Charges** ... | 1,97,813 | 14,105 | 2,11,918 | 1,31,476 | 14,076 | 1,45,552 | 4,045 | 26 | 4,071 | 62,292 | 3 | 62,295 | 1,25,788 | ... | 1,25,788 |
| **K—Refund of Advance to Budget 'A' held by the Ex-Schools Committee ss Statutory Balance** ... | 20,000 | ... | 20,000 | 20,000 | ... | 20,000 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 1,37,67,765 | 21,69,060 | 1,59,36,825 | 1,16,49,518 | 16,38,850 | 1,32,88,368 | 6,76,754 | 2,65,934 | 9,42,688 | 14,41,493 | 2,64,276 | 17,05,769 | 1,09,79,894 | 13,72,193 | 1,23,52,087 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 34

## EDUCATION FUND

*Revenue Account Balance Sheet as at 31st March 1953*

| Liabilities. | Rs. | a. | p. | Assets | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|---|---|---|---|
| **Debts.** | | | | Cash at Bank | 4,88,659 | 8 | 4 | | | |
| | | | | Cash in Office | 6,017 | 1 | 0 | | | |
| Due on cheques payable ... | 1,36,806 | 0 | 3 | Education Loans—Interest Warrants payable account | 2,950 | 0 | 0 | 4,97,626 | 9 | 4 |
| Due on Cash Bills Outstanding ... | 68 | 3 | 0 | **Advances—Recoverable** (*vide* Appendix No. 38) | | | | | | |
| | | | | Municipal Officers | 22,995 | 3 | 0 | | | |
| Due on outstanding charges for 1952-53 and previous years ... | 9,42,688 | 0 | 0 | Sundries—Miscellaneous advances. | 716 | 0 | 0 | 23,711 | 3 | 0 |
| | | | | Deposits in Public Securities with Imperial Bank of India | 14,500 | 0 | 0 | | | |
| | | | | In Office | 6,000 | 0 | 0 | 20,500 | 0 | 0 |
| Deposits in Cash and Public Securities from Contractors and private parties (*vide* details shown in Appendix No. 39) ... | 2,17,494 | 1 | 5 | Municipal Contribution Receivable From Budget 'D' ... | | | | 35,657 | 14 | 0 |
| Municipal Contribution Refundable to Budget 'A'. ... | 47,832 | 3 | 3 | **Investments—** | | | | | | |
| Endowment Fund (*vide* details shown in Appendix No. 41) ... | 3,20,108 | 4 | 6 | Endowment Fund (*vide* Appendix No. 41) | | | | | | |
| | | | | With Imperial Bank of India | 3,11,630 | 2 | 6 | | | |
| | | | | In Office | 8,478 | 2 | 0 | | | |
| | | | | | 3,20,108 | 4 | 6 | | | |
| Surplus Revenue Fund (*vide* Appendix No. 31) ... | 7,76,510 | 8 | 7 | Surplus Fund | | | | | | |
| | | | | In Current Account Deposit | 15,43,903 | 6 | 2 | 18,64,011 | 10 | 8 |
| Total ... | 24,41,507 | 5 | 0 | Total ... | | | | 24,41,507 | 5 | 0 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 35

EDUCATION FUND

*Capital Fund Balance Sheet as at 31st March 1953*

| Liabilities | Rs. | Assets | | Rs. |
|---|---|---|---|---|
| **Loans outstanding—** | | **Block Account—** | | |
| **Due to Public—** | | *Loan Funds—* | | |
| (*Vide* details as shown in Appendix No. 37). | 10,00,000 | Property and Assets at original cost as per Appendix No. 36. | | 1,62,896 |
| | | *Loan Fund—* | | |
| | | | Rs. | |
| | | In Fixed Deposits | ... 8,00,000 | |
| | | In Cash | ... 37,104 | 8,37,104 |
| Grand Total ... | 10,000,00 | Grand Total ... | | 10,00,000 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 36

EDUCATION FUND

*Block Account showing details of Capital Expenditure upto 31st March 1953*

| | Total Capital Expenditure upto 31st March 1952. | Expenditure during 1952-53. | Total Capital Expenditure upto 31st March 1953. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| *Works in Progress—* | | | |
| (1) Construction of an additional floor over the existing Municipal School Building at Delisle Road. | | 1,12,600 | 1,12,600 |
| (2) Construction of School Building on Plot Nos. 50, 51 and 52, Suparibaug Estate. | | 671 | 671 |
| (3) Construction of an additional floor over J. R. Municipal Urdu School at Sandhurst Road. | | 21,337 | 21,337 |
| (4) Construction of a ground and two upper floor Buildings for a Gujarati School at Matunga. | | 276 | 276 |
| Total works in progress ... | | 1,34,884 | 1,34,884 |
| DISCOUNT AND OTHER CHARGES ON THE LOANS— | | | |
| Discount and other charges on the Loans of 1952-53—Rs. 10 lakhs | | 28,012 | 28,012 |
| Total—Loan Funds ... | | 1,62,896 | 1,62,896 |

*Note* :—Capital Expenditure upto 31-12-1950 is shown in Budget 'A' accounts under III—Education Primary (Appendix No. 8)

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner*

## APPENDIX No. 37

### EDUCATION FUND

*Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1952 on the different Loans, the amount payable for the year 1952-53, the amount paid by the Imperial Bank of India, and in Office during that year and the balances outstanding on 31st March 1953.*

| Particulars of Loans. | Rate of Interest. | Balance due on 1-4-52. | Amount raised in 1952-53. | Total. | Amount repaid in 1952-53. | Balance due on 31st March 1953. | Interest outstanding on 1-4-1952. | Interest payable in 1952-53. | Total Interest due. | Deduct Interest paid by the Imperial Bank of India and in Office. | Outstanding balance on 31st March 1953. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| **Loans raised from the Public** | | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. s. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| (1)The 5 Lakhs Education Loan of 52<br>(2) The 5 Lakhs Education Loan of 1952-53 ... ... ... | 4 per cent. | ... | 10,00,000 0 0 | 10,00,000 0 0 | ... | 10,00,000 0 0 | ... | 15,277 12 0 | 15,277 12 0 | 11,787 12 0 | 3,490 0 0 |
| Loans from Public ... | | | 10,00,000 0 0 | 10,00,000 0 0 | ... | 10,00,000 0 0 | ... | 15,277 12 0 | 15,277 12 0 | 11,787 12 0 | 3,490 0 0 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 38

## EDUCATION FUND

*Statement of Advances for 1952-53*

| Name of Account. | Opening Balance on 1st April 1952. | Debits during 1952-53 | Total. | Credits during 1952-53 | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| **Municipal Officers:—** | | | | | |
| Standing Advances for Contingent expenses ... | 12,716 | 21 | 12,737 | 187 | 12,550 |
| Motor Cars and Motor cycles to officers. | 9,892 | 4,000 | 13,892 | 3,447 | 10,445 |
| | 22,608 | 4,021 | 26,629 | 3,634 | 22,995 |
| Miscellaneous Advances Sundries ... | 3,794 | 10,547 | 14,341 | 13,625 | 716 |
| Total. | 26,402 | 14,568 | 40,970 | 17,259 | 23,711 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 39

## EDUCATION FUND

*Statement of Deposit Accounts for 1952-53*

| Name of Account. | Opening Balance on 1st April 1952 | Credits during 1952-53 | Total. | Debits during 1952-53 | Closing Balance on 31st March 1953. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| A.—Cash Deposits from Contractors, Tenderers and Municipal Employees ... | 3,438 | 37,165 | 40,603 | 23,870 | 16,733 |
| B.—Cash Deposits from private parties received through Departmental Offices ... | | | | | |
| C.—Other Cash Deposits ... | | | | | |
| (1) Provident Fund Advances etc. ... | 33,151 | 61,766 | 94,917 | 63,642 | 31,275 |
| (2) Pensions ... | 4,786 | Dr. 712 | 4,074 | 1,810 | 2,264 |
| (3) Co-operative Societies ... | 7,416 | 11,25,841 | 11,33,257 | 11,09,581 | 23,676 |
| (4) Interest on Securities of Endowment Funds ... | 18,562 | 9,675 | 28,237 | 16,855 | 11,382 |
| (5) Interest on other Securities | | ... | ... | ... | ... |
| (6) Income-tax on Establishments ... | 4,291 | 5,807 | 10,098 | 10,044 | 54 |
| (7) Unpaid Rent ... | 26,099 | 31,648 | 57,747 | 27,567 | 30,180 |
| (8) Court attachment and departmental dues ... | 400 | 2,502 | 2,902 | 2,351 | 551 |
| (9) Other Deposits ... | 28,793 | 48,375 | 77,168 | 49,868 | 27,300 |
| D.—Paper Deposits kept in Office ... | ... | 6,000 | 6,000 | ... | 6,000 |
| E.—Paper Deposits from Contractors Municipal Employees etc., | ... | 17,500 | 17,500 | 3,000 | 14,500 |
| Wages Deposit Account ... | 61,880 | 1,28,434 | 1,90,314 | 1,36,735 | 53,579 |
| Provident Fund Recoveries and Payments ... | .. | 19,68,325 | 19,68,325 | 19,68,325 | ... |
| Total ... | 1,88,816 | 34,42,326 | 36,31,142 | 34,13,648 | 2,17,494 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 40

## EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1952-53 and the balance at the credit of the Fund at the close of the year 1952-53 (*i.e.*, 31st March 1953).

| | Rs. a. p. |
|---|---|
| **RECEIPTS—A.—REVENUE ACCOUNT** | |
| (1) Fees and Fines from Municipal Schools ... | 5,84,853 0 0 |
| (2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act— | |
| (*i*) From Budget 'A' ... | 89,59,064 0 0 |
| (*ii*) From Budget 'D' ... | 9,79,298 0 0 |
| (3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act ... | 30,58,875 0 0 |
| (4) Interest on endowment and investments ... | 7,312 6 0 |
| (5) Rent and other proceeds of properties ... | 2,146 2 0 |
| (6) Interest and Profits on Investments of Loan and other balances ... | 9,411 0 0 |
| (7) Miscellaneous Receipts ... | 39,685 12 6 |
| Total—Revenue Receipts ... | 1,36,40,645 4 6 |
| **RECEIPTS—B.—CAPITAL ACCOUNT** | |
| (1) New Loan for 1952-53 ... | 10,00,000 0 0 |
| (2) Trust Funds ... | ... |
| Total—Capital Receipts ... | 10,00,000 0 0 |
| **RECEIPTS—C.—SUSPENSE ACCOUNT** | |
| Advances—Municipal Officers— | |
| (*a*) Standing Advances for Contingent Expenditure ... | 186 8 0 |
| (*b*) Motor Cars and Motor Cycles to Officers ... | 3,447 6 0 |
| Sundries—Miscellaneous Advances ... | 13,624 15 6 |
| Imperial Bank of India and other Local Banks Paper and Cash Account— | |
| Endowment Fund (Paper and Cash) Account ... | ... |
| Loan Fund (Paper and Cash) Account ... | ... |
| Sundry Deposits (Paper and Cash) Account ... | 8,51,525 10 8 |
| Deposit Account ... | 13,45,567 15 9 |
| Provident Fund Recoveries ... | 19,68,325 9 0 |
| Provident Fund Investments ... | 6,20,868 4 0 |
| Cash Bills Outstanding ... | 116 7 0 |
| Cheques Payable ... | 1,42,09,542 6 0 |
| Wages Deposit Account ... | 1,28,434 8 6 |
| Municipal Contribution Receivable ... | 12,00,000 0 0 |
| Municipal Contribution Payable (Refundable) ... | 47,832 3 3 |
| Endowment Fund Account ... | 23,883 12 0 |
| Education Loan Interest Warrant Payable Account ... | 6,510 0 0 |
| Total—Suspense Receipts ... | 2,04,19,865 9 8 |

APPENDIX No. 40. (*Contd.*)

| EXPENDITURE—A.—REVENUE ACCOUNT | | Rs. a. p. |
|---|---|---|
| A.—General Supervision and Administration | ... | 2,59,448 11 9 |
| B.—Municipal Primary Schools | ... | 77,20,698 4 0 |
| C.—Private Primary Schools | ... | 5,56,844 9 0 |
| D.—Medical Inspection of school children | ... | 95,283 11 0 |
| E.—Enforcement of Compulsion | ... | 59,498 7 9 |
| F.—Educational Activities | ... | 38,691 1 0 |
| G.—Pension and Provident Fund | ... | 10,16,115 6 0 |
| H.—Dearness Allowance | ... | 33,76,235 15 0 |
| I.—New Works | ... | ... |
| J.—Debt Charges | ... | 1,45,552 9 3 |
| K.—Repayment of Advance to Budget 'A' held by *Ex*-Schools Committee as Statutory Balance. | | 20,000 0 0 |
| Total—Revenue Expenditure | ... | 1,32,88,368 10 9 |
| **EXPENDITURE—B.—CAPITAL ACCOUNT** | | |
| (1) Loan Funds | ... | 1,34,883 12 0 |
| Discount and other charges on New Loan | ... | 28,012 2 0 |
| (2) Trust Funds Expenditure | ... | ... |
| Total—Capital Expenditure | ... | 1,62,895 14 0 |
| **EXPENDITURE—C.—SUSPENSE ACCOUNT** | | |
| Advances—Municipal Officers— | | |
| (*a*) Standing Advances for contingent expenditure | ... | 21 8 0 |
| (*b*) Motor Cars and Motor Cycles to Officers | ... | 4,000 0 0 |
| Sundries—Miscellaneous Advances | ... | 10,546 10 3 |
| Imperial Bank of India and other Local Banks Paper and Cash Account— | | |
| Endowment Fund (Paper and Cash) Account | ... | 15,405 10 0 |
| Loan Funds (Paper and Cash) Account | ... | 8,37,104 2 0 |
| Sundry Deposits (Paper and Cash) Account | ... | 24,09,929 0 10 |
| Deposit Account | ... | 13,08,589 0 2 |
| Provident Fund Payments | ... | 19,68,325 9 0 |
| Provident Fund Investments | ... | 6,20,868 4 0 |
| Cash Bills Outstanding | ... | 48 4 0 |
| Cheques Payable | ... | 1,41,24,086 2 0 |
| Wages Deposit Account | ... | 1,36,735 8 0 |
| Municipal Contribution Receivable | ... | 35,657 14 0 |
| Municipal Contribution Payable (Refundable) | ... | ... |
| Endowment Fund Account | ... | ... |
| Education Loan Interest Warrants—Payable Account | ... | 9,460 0 0 |
| Total—Suspense Expenditure | ... | 2,14,80,777 8 3 |

## SUMMARY

| Receipts. | | | | | Disbursements. | | |
|---|---|---|---|---|---|---|---|
| Rs. | a. | p. | | | Rs. | a. | p. |
| 3,80,685 | 14 | 2 | Balance on 1st April 1952— | | | | |
| 1,36,40,645 | 4 | 6 | A.—Revenue Account | ... | 1,32,88,368 | 10 | 9 |
| 10,00,000 | 0 | 0 | B.—Capital Account | ... | 1,62,895 | 14 | 0 |
| 2,04,19,865 | 9 | 8 | C.—Suspense Account | ... | 2,14,80,777 | 8 | 3 |
| 3,50,60,510 | 14 | 2 | | | 3,49,32,042 | 1 | 0 |
| | | | *Balance on 31st March 1953 | ... | 5,09,154 | 11 | 4 |
| 3,54,41,196 | 12 | 4 | Total | Total ... | 3,54,41,196 | 12 | 4 |

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Bank's Reconciliation— | | | | | | |
| *Balance as per Bank's Pass Book | | | ... | 5,35,007 | 15 | 10 |
| *Less*—Uncashed cheques | | | ... | 46,348 | 7 | 6 |
| Balance as per Day Book (Col. No. 10) | | | ... | 4,88,659 | 8 | 4 |
| | Rs. | a. p. | | | | |
| Balance in Office in Government Promisory | ... 14,478 | 2 0 | | | | |
| Balance in Office in Cash | ... 6,017 | 1 0 | | | | |
| | | | | 20,495 | 3 | 0 |
| | | | | 5,09,154 | 11 | 4 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

## APPENDIX No. 41.

# EDUCATION FUND

*Statement showing the amount of and object for which the endowments held under the Endowment Fund were received from different parties upto 31st March 1953.*

| Serial No. | Name of Donor. | Object for which endowment is given. | Particulars of Securities. | Face value. | Rate per cent. | Book Value. |
|---|---|---|---|---|---|---|
| | | | | Rs. | Rs. a. | Rs. a. p. |
| 1 | Smt. Anandibai Keskar | ... "Anandibai Keskar Prize" at Dadar Kumbharwada Marathi Girls School' ... | 3 per cent. Conversion Loan 1946 ... | 100 | Par | 100 0 0 |
| 2 | Bachubai S. Bengalee | ... "Bachubai Sorabji Bengalee and Sorabjee Shapurji Bengalee Prizes ' at S. S. Bengalee Gujarati Girls' School. | 4 per cent. Bombay Port Trust Bonds ... | 1,000 | Par | 1,000 0 0 |
| | | | 4½ per cent. Loan (1955-60) ... | 200 | Par | 200 0 0 |
| 3 | Bai Gulabbai H. Shah Memorial Committee. | "Bai Gulabbai Haribhai Shah Prize" at Gujarati Schools .... | 3 per cent. Conversion Loan 1946 ... | 900 | Par | 900 0 0 |
| 4 | Bai Kashibai Itchhashankar Joshi | ... "Bai Kashibai Itchashankar Joshi Prizes" at Bhuleshwar Gujarati Girls' School. | 3 percent. Non-terminable Loan 1896-97 ... | 1,300 | ... | 1,202 0 0 |
| 5 | Mr. Mathuradas Tricumdas and Sheth Vithaldas Damodar Govindjee, Trustees. | "Bai Nandubai d/o Ruttansey Raghavji *alias* Bai Gunvantibai w/o Chhabildas Chaturbhoy Bhagat's scholarships" at Gujarati Girls Schools. | 2½ per cent. Govt. Loan 1961 ... | 4,200 | Par | 4,200 0 0 |
| 6 | Mr. Ramdas Madhavji | ... Behn Manjula d/o Ramdas Madhavji Memorial Fund" for distributing lahanies at Bhuleshwar Gujarati Girls' School. | 3 per cent. Conversion Loan 1946 ... | 2,500 | Par | 2,500 0 0 |
| | | | 3½ percent. Bombay Municipal Debentures 1947 ... | 500 | 99 4 | 496 4 0 |
| 7 | Dr. Blaney Memorial Fund | ... "Dr. Blaney Prize" ... | 3 percent. 1st Development Loan 1970-75 ... | 1,100 | 98 8½ | 1,083 13 6 |
| | | | 4½ per cent. Loan (1955-60) ... | 200 | Par | 200 0 0 |
| 8 | Mr. Nawrosji Sorabji Bengalee, son of Meherbai Kola and late students and sympathisars etc., of the S.S. Bengalee Gujarati Girls' School. | "Golden Jubilee of the S. S. Bengalee Gujarati Girls' School Trust Fund" and "Nowrosji Bengalee Trust Fund" scholarship prizes, etc., at S. S. Bengalee Gujarati Girls' School. | 6 per cent. Bombay Municipal Debentures 1954 ... | 3,000 | Par | 3,000 0 0 |
| | | | 3 per cent. Conversion Loan 1946 ... | 1,900 | Par | 1,900 0 0 |
| 9 | Harkisondas Brijlal Memorial Committee. | "Harkisondas Brijlal Prize" at Buddiwardhak. Gujarati Boys' School ... | 3 per cent. Conversion Loan 1946 ... | 500 | Par | 500 0 0 |
| | | | 4½ per cent. Loan (1955-60) ... | 100 | Par | 100 0 0 |
| 10 | The Anjaria Memorial Fund Committee | ... "Himatlal Ganeshji Anjaria Scholarship" to teachers under training ... | 3 per cent. Conversion Loan 1946 ... | 1,200 | Par | 1,200 0 0 |
| 11 | Messrs. Jairajbhoy Peerbhoy and Noormahomed Jairajbhoy Peerbhoy. | "Jairajbhoy Peerbhoy Gujarati Girls' School Fund" ... | 4½ per cent. Loan (1955-60) ... | 2,400 | Par | 2,400 0 0 |
| | | | 3 per cent. Conversion Loan ... | 15,000 | Par | 15,000 0 0 |
| 12 | Executors of the will of the late Jeshtaram Premji. | ... "Jeshtaram Premji School Trust Fund" ... | 3 per cent. Conversion Loan 1946 ... | 9,100 | Par | 9,100 0 0 |
| | | | 6 per cent. Bombay Municipal Debentures (1601 lacs) 1954. | 2,000 | Par | 2,000 0 0 |
| | | | 4 per cent. Bombay Port Trust Bonds (1913) ... | 500 | 116 0 | 580 0 0 |
| | | | 2½ per cent. Govt. Loan 1961 ... | 400 | 98 14 | 395 8 0 |
| | | | 3 per cent. Conversion Loan 1946 ... | 5,400 | 100 4 | 5,413 8 0 |
| 13 | Bai Jivkore Lallubhai | ... "Bai Jivkore Lallubhai Scholarship and Prizes" at S. S. Bengalee Gujarati Girls' School. | 11 Ordinary shares of Rs. 500 each in Commercial Ahmedabad Mills Co. Ltd. ... | 5,500 | | 5,500 0 0 |
| | | | 10 Golden Jubilee Pref. shares of Rs. 50 each in Commercial Ahmedabad Mills Co. Ltd. | 500 | | 500 0 0 |
| | | | 3½ per cent. Bombay Municipal Debentures, 1977 ... | 2,500 | 87 2 | 2,178 2 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 10 Cumulative Preference Shares of Rs. 50 each in Commercial Ahmedabad Mills Co. Ltd. | | 500 | | 500 | 0 0 |
| | | | 3½ Bombay Municipal Debentures (1.25 Crores Loan Rep. 1977) | | 2,000 | 98 8 | 1,970 | 0 0 |
| | | | 3 per cent. Conversion Loan 1946 | ... | 1,800 | 80 9 | 1,450 | 2 0 |
| 14 | Residents of Girgaum Locality | ... "Khurshedbai Byramji Wadia Prize" for Municipal Girgaum Gujarati School | 3½ per cent. Bombay Municipal Debentures Rep. 1977 | | 500 | 98 2 | 490 | 10 0 |
| 15 | Lord Hardinge Birth day Celebration Committee. | ..."Lady Hardinge Prize" at Municipal Schools | 3 per cent. 1st Development Loan (1970-75) | ... | 1,200 | 98 8½ | 1,182 | 6 0 |
| | | | 4½ per cent Loan (1955-60) | ... | 400 | Par | 400 | 0 0 |
| 16 | The Limaye Satkar Mandal | ..."Limaye Prize" at Municipal Marathi Schools | 3 per cent. Conversion Loan 1946 | ... | 500 | Par | 500 | 0 0 |
| 17 | Mr. Bhagwandas Madhavdas Raghunathdas | ..." Madhavdas Raghunathdas Prize" to girls of S. S. Bengali Gujarati Girls' School. | 3 per cent. Conversion Loan 1946 | ... | 500 | Par | 500 | 0 0 |
| 18 | Bai Janabai Rokde | ..."Madhavrao Rokde Free School Endowment and Trust Fund" | 3 per cent. 1st Development Loan (1970-75) | ... | 20,000 | 98 8½ | 19,706 | 4 0 |
| | | | 4½ Loan (1955-60) | ... | 7,800 | Par | 7,800 | 0 0 |
| | | | 3 per cent. Conversion Loan 1946 | .... | 200 | 101 8 | 203 | 0 0 |
| 19 | Ratansee Mulji | ... "Manekbai Ratansi Mulji Prize" at Ratansi Mulji Gujarati Boys' School | 4 per cent. Bombay Port Trust Bonds | .... | 1,000 | Par | 1,000 | 0 0 |
| 20 | Municipal Gulabbai Central Gujarati Girls' School Diamond Jubilee Memorial Committee. | "Municipal Gulabbai Central Gujarati Kanyashal Diamond Jubilee Memorial Fund" for imparting education in tailoring, cutting and sewing. | 3 per cent. Conversion Loan 1946 | ... | 5,200 | Par | 5,200 | 0 0 |
| 21 | Bai Navalbai d/o. Raghunathdas Gopaldas | ..."(Navalbai) The Nagardas Raghunathdas scholarship" at Nagardas Raghunathdas Gujarati Boys' School. | 4 per cent. Bombay Port Trust Bonds | ... | 2,500 | Par | 2,500 | 0 0 |
| | | | 4½ per cent. Loan (1955-60) | .... | 300 | Par | 300 | 0 0 |
| 22 | Messrs. Raghunthdas Gopaldas, Dharamdas Tribhuvandas, Ranchhoddas Dharamdas and Ishwardas Lakhmidas. | "The Nagardas Raghunathdas Gujarati Boys' Scholarships and Endowment" at Nagardas Raghunathdas Gujarati Boys' School. | 3 per cent. Conversion Loan 1946 | .... | 23,000 | Par | 23,000 | 0 0 |
| 23 | Gujerati Teachers Association | ... "Prof. N. G. Welinkar Prizes" to Pupils of Gujarati Schools | 4½ per cent. Loan (1955-60) | .... | 100 | Par | 100 | 0 0 |
| | | | 3 per cent. Conversion Loan 1946 | ... | 1,000 | 94 5 | 943 | 2 0 |
| 24 | Executors of the Estate of the late Mr. Sorabjee Bengalee J. P. | Nowrozjee "Nowrojee Sorabjee Bengalee Prize" at S. S. Bengalee Municipal School | 3 percent. Conversion Loan 1946 | ... | 2,000 | Par | 2,000 | 0 0 |
| 25 | Jagjivan Raisy Raja Nephew of Paramand Raja | ... "The Paraman and Raja Endowment Fund" | 3 per cent. Conversion Loan 1946 | .... | 13,800 | Par | 13,800 | 0 0 |
| 26 | Parwatibai Dwarkadas Tribhuvandas | ... "Bai Parwatibai Dwarkadas Prize" at Bhulehhwar Gujarati Girls' School... | 4½ per cent Loan (1955-60) | .... | 200 | Par | 200 | 0 0 |
| 27 | The Trustees of Bai Padmabai Trust | ... "The Padmabai Quran Sharif Urdu School Trust Fund" | 3 per cent. Conversion Loan 1946 | ... | 6,500 | Par | 6,500 | 0 0 |
| 28 | Sir Currimbhoy Ibrahim, Bart. | ..."The Rahimtulla Currimbhoy Training Institution Scholarships" at Imamwada Urdu Schoool. | 6 per cent. Bombay Municipal Debenture 1954 | ... | 17,000 | Par | 17,000 | 0 0 |
| | | | 3 per cent. Conversion Loan 1946 | ... | 1,000 | Par | 1,000 | 0 0 |
| | | | 3½ per cent Bombay Municipal Debentures, 1977 | ... | 8,500 | 87 2 0 | 7,405 | 10 0 |
| 29 | Mr. Laldas Prabhudas | ..."Bai Rambhabai Laldas Prabhudas Girls' School Scholarship and Endowment and Trust Fund" for Bai Rambhabai Laldas Prabhudas Girls' School. | 4 per cent. Bombay Port Trust Bonds | ... | 10,000 | Par | 10,000 | 0 0 |

# APPENDIX No. 41—(concld.).

## EDUCATION FUND

| Serial No. | Name of Donor. | Object for which endowment is given. | Particulars of Securities. | Face value. | Rate per cent. | Book Value. |
|---|---|---|---|---|---|---|
| 30 | Mr. Rattansee Mulji | "Rattansee Mulji Scholarship and Endowment Fund" at Ratansee Mulji Gujarati Boys' School. | 4 per cent. Bombay Port Trust Bonds ... | 10,000 | Par | 10,000 0 0 |
| 31 | Bai Walibai w/o of Vallabhadas Vishram Mowji | "Bai Walibai Vallabhadas Endowment Fund" | 4 per cent. Bombay Municipal Debentures ... | 29,000 | Par | 29,000 0 0 |
| 32 | S. B. Pendurkar Memorial Mitra Mandal | "S. B. Pendurkar Memorial Prizes" at Municipal Marathi Schools | 3 per cent. Conversion Loan 1946 ... | 600 | Par | 600 0 0 |
| 33 | Kashalkar Satkar Committee | "Shantabai Kashalkar Prizes" at Municipal Marathi Schools | 2½ per cent. Loan 1961 ... | 400 | 99 0 | 396 0 0 |
| 34 | Sheth Dwarkadas Tribhuvandas J.P. | "Sheth Dwarkadas Tribhuvandas J.P., Garba Party Lahani Trust Fund" at Bhuleshwar Gujarati Girls' Schools | 6 per cent. Bombay Municipal Debentures (160 lacs 1954) ... | 2,500 | Par | 2,500 0 0 |
| | | | 4 per cent. Bombay Municipal Debentures ... | 2,500 | Par | 2,500 0 0 |
| | | | 4½ per cent. Ghatkopar Kirol Debentures ... | 500 | Par | 500 0 0 |
| 35 | Sheth Dwarkadas Tribhunvandas J.P. | "Sheth Dwarkadas Tribhuvandas Prizes' at Walkeshwar group of schools ... | 6 per cent. Bombay Municipal Debentures (160 lacs 1954) | 2,500 | Par | 2,500 0 0 |
| | | | 4½ per cent. Ghatkopar Kirol Debentures ... | 500 | Par | 500 0 0 |
| 36 | Teachers and Ppils of the Municipal Gujarati Girls' School. | S. S. Bengali "S. S. Bengali Gujarati Girls' School Trust Fund" prize at S. S. Bengalee Gujarati Girls' School. | 3 per cent. Conversion Loan 1946 ... | 100 | 97 10 | 97 10 0 |
| 37 | Mr. Virji Peraj, Managing Trustee of the Peraj Padamsi Lohana Girls' School. | "The Thakkar Peraj Padamsi Lohana Kanyashalal Trust and Endowment Fund." | 6 per cent. Bombay Municipal Debentures (160 Lacs 1954) ... | 8,000 | Par | 8,000 0 0 |
| 38 | Primary Teachers' Association | ... "R. S. Taki Scholarship and Prizes" | ... 3 per cent. Conversion Loan 1946 ... | 1,100 | Par | 1,100 0 0 |
| 39 | Vishnupant Pagnis Satkar Samiti Bombay | "Vishnupant Pagnis Prizes" | ... 3 per cent. Conversion Loan 1946 ... | 1,500 | Par | 1,500 0 0 |
| 40 | Pupils and Teachers in Municipal Schools | ... "War Loan Prizes" | ... 4½ per cent. Loan (1955-60) ... | 900 | Par | 900 0 0 |
| | | | 3 per cent. Conversion Loan 1946 ... | 3,500 | Par | 3,500 0 0 |
| 41 | Mr. Lallbubhai Trimbakram, Executor of the Will of Bai Matubai Ratansi Dhanji. | "Matubai Ratansi Dhanji Gujarati School Endowment Fund" | ... 3¼ per cent. Bombay Municipal Debentures 1977 ... | 50,000 | Par | 50,000 0 0 |
| 42 | Smt. S. Dallas | ... "Dallas Fund" Monetory help to the staff of Education Officer.'s office and Gujarati Teachers until the Corpus of the fund is wiped out. | ...3 per cent. Conversion Loan 1946 ... | 6,100 | 80 9 | 4,914 5 0 |
| 43 | The Society for the promotion of Education among the masses known as the Dadabhoy Nowrosji Poor Boys Seminary. | Donation for the promotion of Education among the masses ... | 3 per cent. Conversion Loan, 1946 ... | 5,000 | Par | 5,000 0 0 |
| | | | 3 per cent. Conversion Loan, 1946 ... | 3,000 | Par | 3,000 0 0 |
| 44 | Mr. Mukund Sadashiv Patil | ... "Shadashiv Harishchandra Patil Prize Fund" ... | 3 per cent. Conversion Loan, 1946 ... | 500 | ,, | 500 0 0 |
| 45 | Trustees of the Estate of the Late N. P. Vakil | ... "Sir Nowroji Pestonji Vakil Scholarship Fund" for depressed class pupils. | 3 per cent. Conversion Loan, 1946 ... | 4,500 | ,, | 4,500 0 0 |
| 46 | Messrs. Narayan Ramchandra Deo and Atmaram Ramchandra Deo. | "The Ramchandra Sitaram Deo alias Bala Bhatji Prize Fund" ... | 3 per cent. Conversion Loan, 1946 ... | 500 | ,, | 500 0 0 |
| | | | 3 per cent. Conversion Loan, 1946 ... | 400 | ,, | 400 0 0 |
| 47 | Prof. V. G. Rao | ... Prof. V. G. Rao's Scheduled Class Scholarships ... | 12 Years, Post Office National Savings Certificates ... | 200 | ,, | 200 0 0 |
| 48 | Smt. Monoramabai Govindrao Kulkarni | ... "Manoramabai Govindrao Kulkarni Prize" ... | 12 Years, Post Office National Savings Certificates ... | 200 | ,, | 200 0 0 |
| 49 | Diwan Bahadur G. S. Rao | ... "Diwan Bahadur G. S. Rao Prize" | Total ... | 3,23,500 | | 3,20,108 4 6 |

T. V. DORAISWAMY,
*Chief Accountant.*

P. R. NAYAK,
*Municipal Commissioner.*

# ASSESSMENT AND COLLECTION

Shri G. V. Aras, B.A. was in charge of the department during the year.

**Rates of Taxation:**—The rate of General tax (including Fire tax) on lands and buildings was increased from 14¾ per cent. to 17¾ per cent. while the rates of other taxes continued to be the same as in the preceding year, *viz.*, water tax 3¾ per cent. and halalkhore tax 3 per cent. The tax on vehicles and animals continued to be levied at the maximum rates prescribed in Schedule G. The rate charged for the supply of water by meter measurement was enahnced from Rs. 2 to Rs. 2-4-0 per 1,000 gallons in case of the Race Course premises and in respect of the premises belonging to the Trustees of the Port of Bombay, excluding their residential premises. The rates in respect of other classes of properties remained the same as in the previous year. These rates ranged from annas 12 to Rs. 2-4-0 per 1,000 gallons according to the class of properties, minimum rate being charged to Government and the maximum to the Race Course premises and the Bombay Port Trust, excluding residential premises.

**Properties.**—The total number of properties on 31st March 1953, was 54,079 as shown in statement 'A.'. Out of these properties, 46,190 were assessed to General Tax, 1,812 were exempted from it under Section 143(1)(*a*) of the Bombay Municipal Corporation Act, 2,408 were not taxed, being very small plots, and 2,560 were municipal plots. Vacant lands owned by Government are not assessed till they are beneficially occupied while Railway lands are assessed in lump. The number of Municipal properties exempted from General Tax under Section 143(1)(*b*) of the Bombay Municipal Corporation Act, during the year was 1,109.

Properties newly erected, demolished and enlarged during the year numbered 841, 627 and 1,206 respectively, the corresponding figures for the year 1951-52 being 991, 406 and 1,127. The number of single room tenements double room tenements and flats in the City on 31st March 1953 was 2,73,704, 69,288 and 47,346 respectively.

**Rateable value.**—The rateable value of all properties in the City on the 31st March 1953, was Rs. 21,99,08,994 against Rs. 21,00,54,130 on 31st March 1952. It worked out to Rs. 94-8-0 per head (of population of 23,25,945 as per census of 1951 for the city proper) against Rs. 90-5-0 in the preceding year. In 158 cases, the rateable value was increased by more than Rs. 2,000 net, per annum, each.

**Vehicles and Animals.**—Particulars of vehicles and animals taxed during the year, excluding those taxed under the Public Conveyance Act, are as under:—

| | | | |
|---|---|---|---|
| Motor lorries | ... | 4,937 | ... |
| Motor cars (including 2,452 taxis) | ... | 19,569 | ... |
| Trollies | ... | 10 | ... |
| Motor cycles with side cars | ... | 129 | ... |
| Motor cycles | ... | 1,585 | ... |
| Four-wheeled vehicles drawn by animals | ... | 180 | ... |
| Two-wheeled vehicles drawn by animals | ... | 424 | ... |
| Hand carts | ... | 6,779 | ... |
| Horses | ... | 593 | ... |
| Ponies | ... | 17 | ... |
| Bullocks | ... | 589 | ... |
| | | ... | 34,812 |

Vehicles and animals taxed under the Public Conveyance Act were as under:—

| | | | |
|---|---|---|---|
| Hack Victorias (including 2 horses for each) | ... | 1,507 | ... |
| Labour carts (with a pair of bullocks) | ... | 905 | ... |
| Hand Carts | ... | ... | ... |
| | | | 2,412 |

Under section 185 of the Bombay Municipal Corporation Act, wheel tax in respect of hack Victorias labour carts (without pneumatic tyres) and hand-carts (without pneumatic tyres) ordinarily leviable at Rs. 112 Rs. 40 and Rs. 8 per annum was compounded for the calendar year 1953, at Rs. 100, Rs. 35 and Rs. 6, respectively under Standing Committee Resolution No. 2049, dated the 12th January 1953 for the reason that these vehicle were required to pay the tax for the whole year in advance *vide* Section 198 of the Bombay Municipal Corporation Act, instead of quarterly as in the case of other vehicles.

**Bills.**—The total number of bills in respect of property taxes and wheel tax issued during the year was 1,11,437 and 1,38,504, respectively, of which 1,07,560 and 1,30,170 respectively were for 1952-53 and 3,877 and 8,334, respectively, for earlier years.

*Total demand, collection and outstanding of all taxes for the year 1952-53 and earlier years.*

(Annas and pies omitted. Amounts above annas eight are taken as full rupees and those below annas eight omitted).

| Year | Particulars | Outstandings on 1-4-1952 | Amount of bills issued including Government and B. P. T. contribution during 1952-53 | Total issue | Amount of bills recalled and cancelled | Gross demand | Amounts involved in complaints pending against rateable values and bills issued at the end of the year | Net demand | Collection | Percentage of collection to Net Demand | Gross outstanding on 1st April 1953 | Percentage of outstandings to Net Demand |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. | Rs. | Rs. | Rs. | Rs. | | | Rs. | | Rs. | |
| Previous years | ... Property ... | 1,02,61,464 | 16,62,818 | 1,19,24,282 | 18,71,096 | 1,00,53,186 | ... | ... | 74,94,365 | 74.55 | 25,58,821 | 25.45 |
| 1952-53 | ... Do. ... | ... | 6,18,54,826 | 6,18,54,826 | 45,97,930 | 5,72,56,896 | ... | ... | 4,92,76,685 | 86.07 | 79,80,211 | 13.93 |
| | Total ... | 1,02,61,464 | 6,35,17,644 | 7,37,79,108 | 64,69,026 | 6,73,10,082 | 46,67,795 | 6,26,42,287 | 5,67,71,050 | 90.63 | 1,05,39,032 | 9.37 |
| Previous years | ... Wheel Tax ... | 11,82,128 | 2,61,688 | 14,43,816 | 2,97,334 | 11,46,482 | ... | ... | 6,31,695 | 55.09 | 5'14,787 | 44.91 |
| 1952-53 | ... Do. ... | ... | 42'34'601 | 42,34,601 | 1,47,738 | 40,86,863 | ... | ... | 32,31,614 | 79.07 | 8'55,249 | 20.93 |
| | Total ... | 11,82,128 | 44,96,289 | 56,78,417 | 4,45,072 | 52,33,345 | ... | 52,33,345 | 38,63,309 | 73.82 | 13,70,036 | 26.18 |
| | Grand Total ... | 1,14,43,592 | 6,80,13,933 | 7,94,57,525 | 69,14,098 | 7,25,43,427 | 46,67,795 | 6,78,75,632 | 6,06,34,359 | 88.34 | 1,19,09,068 | 11.66 |

The percentage of recovery to the total demand during the year was 88.34.

*Total net demand collection and outstandings compared with those for previous two years:—*

| Year. | Total Net Demand. | Collection | Percentage. | Outstanding | Percentage. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | |
| 1952-53 ... | 7,25,43,427 | 6,06,34,359 | 83.58 | 1,19,09,068 | 16.42 |
| 1951-52 ... | 6,51,94,923 | 5,37,51,331 | 82.45 | 1,14,43,592 | 17.55 |
| 1950-51 ... | 6,09,34,699 | 4,83,48,958 | ... | ... | ... |
| Part payment of the balance of contribution payable by the B. P. T. in lieu of General Tax for the years 1944-49 ... | +40,00,000 | 40,00,000 | ... | ... | ... |
| | 6,49,34,699 | 5,23,48,958 | 80.61 | 1,25,85,741 | 19.39 |

*Particulars of Outstandings:—*

| | Particulars. | Amount outstanding on 31-3-1953. |
|---|---|---|
| | | Rs. |
| 1 | (*a*) Government contribution (sum in lieu of General tax from 1-4-50 to 31-3-53 under Section 144) ... | 1,65,277 |
| | (*b*) Government property taxes and water charges by measurement ... | 4,93,514 |
| | (*c*) Amount due by the Garrison Engineer and other Government Officers in respect of premises requisitioned, etc. ... | 2,28,757 |
| | (*d*) Amount due in respect of evacuee properties and payable by the Deputy Custodian of Evacue Property ... | 1,50,316 |
| 2 | Central Railway ... | 2,20,347 |
| 3 | Western Railway ... | 71,009 |
| 4 | Bombay Port Trust ... | 19,227 |
| 5 | Bombay Municipal Corporation (Improvements) ... | 4,66,428 |
| 6 | Amount of taxes involved in complaints against rateable values which had not become final in law during the year ... | 23,15,187 |
| 7 | Amount of bills issued at the end of the year on account of revision proposals under Section 167 ... | 23,52,608 |
| 8 | Amount due by other ratepayers ... | 54,26,398 |
| | Total ... | 1,19,09,068 |

As regards 1(*a*), out of the total outstandings of Rs. 1,65,277, a sum of Rs. 1,57,538 represents the sum in lieu of General Tax payable in respect of the Central Government properties. The question of payment is under correspondence with Government. The balance of Rs. 7,739 awaits cancellation on the publication of the Government Award for the year 1949-54. As regards (*b*) and (*c*), payment was not made in spite of repeated requests.

As regards (*d*), the Dy. Custodian of Evacuee Property pays as and when funds permit.

As regards 2, 3 and 4 Payment was not made before the 31st March 1953, though demand was pressed.

As regards 5, the amount awaits adjustment.

As regards 6, complaints against revised assessment made under Section 167 on account of additions, alterations, etc., to several properties in the last quarter of the year could not be investigated before the 31st March 1953, due to the hearing of General complaints under Section 162 for the year 1953-54 received during the period between the 20th December 1952, and the 14th January 1953. Every year complaints against revised assessment are required to be heard after 1st April. Thus the sum of Rs. 23,15,187 was not an effective demand, though bills had to be issued in conformity with the provisions of the Act.

As regards 7, bills for the amount of Rs. 23,52,608 were issued in March 1953. These bills could not be presented and recovered in that month and hence the amount is carried forward to the ensuing year 1953-54.

As regards 8, out of Rs. 54,26,398 shown outstanding against private ratepayers, a sum of Rs. 7,78,345 is involved in suits filled or which are being filed and about Rs. 5,86,042 are payable by the Court Receiver and Official Assignee. If these amounts are deducted from the amounts due from private ratepayers, the total sum to be receovered and within the control of the Inspectorial staff is reduced to Rs. 40,62,011, which is inclusive of an amount of Rs. 6,17,218 representing taxes on flats sold on ownership basis and in view of the peculiar difficulty the question how to effect recovery thereof is under consideration. This gives a percentage of 5.58 to the total demand.

*Miscellaneous Receipts.*—Miscellaneous receipts realised from notices of demand, distress warrants, battaki fees, inspection fees and other items amounted to Rs. 30,914-12-3 against Rs. 25,268-12-6 in the preceding year. The number of notices of demand issued and served and distress warrants issued and executed during the year was 30,437, 25,727, 15,689 and 1,018, respectively. In a large number of cases mere threatening execution of Distress Warrants produced the desired effect and it did not become necessary to levy actual distress.

*Meter Hire.*—Receipts from meter hire amounted to Rs. 87,972-13-0 against Rs. 83,987-2-0 for 1951-52. Rs. 21,419-13-0 remained to be collected at the close of the year.

*Exemption.*—The amount of full exemption and partial exemption allowed in respect of General Tax under Section 143(1-A), (1-B), 144(3) and 145 was equivalent to Rs. 28,58,721 on 1st April 1952, as against Rs. 23,44,321 during the previous year.

*Drawback and Refund.*—The following statements show the particulars of drawback and refund claims dealt with during the year and the two years preceding it:—

**Draw-back**

| Year | No. of claims received | No. of claims admitted | Percentage | No. of claims rejected | Percentage | Amount of Drawback allowed |
|---|---|---|---|---|---|---|
| | | | | | | Rs. a. p. |
| 1952-53 ... | 21 | 2 | 9.5 | 19 | 90.5 | 115 0 0 |
| 1951-52 ... | 18 | ... | ... | 18 | ... | ... |
| 1950-51 ... | 25 | 9 | 36 | 16 | 64 | 499 1 0 |

**Refund**

| Year | No. of claims received | No. of claims admitted | Percentage | No. of claims rejected | Percentage | Amount | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Vacancy | Over-collection | Total |
| 1952-53 ... | 2,972 | 2,377 | 79.98 | 595 | 20.02 | 1,02,673 | 2,47,839 | 3,50,512 |
| 1951-52 ... | 2,462 | 1,991 | 80.87 | 471 | 19.13 | 1,07,915 | 3,74,951 | 4,82,866 |
| 1950-51 ... | 2,847 | 2,319 | 81.45 | 528 | 18.55 | 70,389 | 10,33,462 | 11,03,851 |

*Complaints and Appeals against rateable values.*—There were 1,977 complaints under Section 167 of the Act against assessments amounting to Rs. 1,79,93,826 fix during the currency of the year and 1,914 complaints under Section 162 against original assessments amounting to Rs. 2,66,90,715. The assessments were, on investigation of complaints, reduced to Rs. 1,59,51,247 and Rs. 2,63,63,711, respectively, the reduction amounting to Rs. 20,42,579 and Rs, 3,27,004 gives a percentage of 11.35 and 1.22, respectively.

There were 56 appeals against rateable values revised under Section 162(2) of the Municipal Act. Of these, 22 were settled out of Court, 3 were withdrawn, 1 was dismissed and 30 were pending.

*Suits.*—19 Suits were filed against ratepayers for recovery of taxes (as against 4 during 1951-52) and in 3 cases decrees have been obtained.

*Riot Tax.*—Total amount of riot taxes collected during the year comes to Rs. 95,333-1-6.

*The Urban Immoveable Properly Tax.*—The rates of taxation for the 1st half of 1952-53, *i.e.*, from 1st April 1952 to 30th September 1952, continued to be the same as in the preceding year, *viz.*, 7 per cent. in the case of building and lands, the rateable values of which were above Rs. 2,000 in each case and 3½ per cent. in the case of buil 'ings and lands, the retable values of which were Rs. 2,000 and below, but not less than Rs. 500, but from 1st October 1952, the rates were reduced to 5 per cent and 2½ per cent. respectively. Properties having value of less than Rs. 500 per annum continued to be exempted. However, according to the provisions of Section 22(3) of the Bombay Finance Act as amended by Bombay 23 of 1948, the Urban Immoveable Property Tax is being levied since 1st April 1952 on the basis of the aggregate value of all buildings and lands owned by one and the same owner in the same locality. The demand in respect of the tax was Rs. 1,31,61,230-8-6, collection Rs. 1,08,80,561-12-6; refund Rs. 1,02,234-2-0 and drawback Rs. 40-7-0. The collection of the Urban Immoveable Property Tax during the year amounted to about 82.67 per cent. of the demand as against 86.40 per cent. in the preceding year.

**General Remarks**

(1) Assessment of the properties belonging to the two Railway Administrations (Cetnral and Western) for the quinquennium 1949-54 is to be worked out according to the principles laid down by the Special Officer, the late Sir Sajba Rangnekar, on the basis of Accounts for the years 1943-44 to 1947-48. The statements of accounts for the aforesaid period have been recently furnished by the Railway authorities and they are under scrutiny.

(2) Assessment of properties belonging to the Bombay Porst Trust.—As already stated in the last report Shri N. S. Lokur, *Ex*-Chief Justice of the Kolhapur High Court, was sappointed by the Government of India to hold an enquiry on the points of disputes regarding assessment for the quinquennium 1944-49 between the Corporation and the Trustees of the Port of Bombay and to advise the Central Government to enable them to give their award under Section 36 of the Bombay Port Trust Act. A copy of Shri Lokur's report with Government's decision thereon was received and negotiations were in progress with the Port Trust authorities in connection with the assessment to be worked out accordingly. Assessment for the quinquennium 1949-54 also would have to be worked out on the same principles and the work of calculating the rateable value would be taken in hand after the completion of assessment for the previous quinquennium.

(3) As regards assessment of Central Government properties, a representation was made to the Government of India to pass necessary legislation as provided for in Article 285 of the Constitution of Idnia to make Central Government properties erected on or after the 1stApril 1937, also liable to the levy of general tax and the question is taken on hand by the Central Government.

(4) A large number of bullock carts and hand carts evading taxation were watched and brought to book and tax amounting to Rs. 43,366-14-0 was collected during the year as against Rs. 46,333-1-0 during the year 1951-52.

(5) Total tax amounting to Rs. 6,663-4-0, representing a charge on 505 horses from November 1952 to March 1953, was recovered in respect of Race horses through the Western India Turf Club as against Rs. 7,875-3-0 during the year 1951-52. The difference is due to the decrease in the number of Race hourses.

(6) The Standard Officer appointed for the implementation of the recommendations of Messrs. Ibcon, Ltd., was systematically effecting retrenchment in the number of staff and upto 31st March 1953, 52 persons out of 178 recommended for retrenchment were retrenched from the department having a personnel of 556 *plus* 50 leave reserves. The gross savings effected upto the 31st March 1953, works out to Rs. 1,70,445.

There was no occasion during the year on which the provisions of the Bombay Municipal Servants Act had to be brought into effect.

Both Indoor and Out-oor staff worked during the year with appreciable zeal and devotion.

G. A. VYAVAHARKAR,
*Ag. Assessor and Collector.*

## STATEMENT " A "

### Classification of properties according to user

| Serial No. | Particulars | | Total No. | Approximate Rateable Value (in lacs of Rupees) |
|---|---|---|---|---|
| 1 | Building for residential purposes | ... | 35,324 | 1166.17 |
| 2 | Buildings for business purposes | ... | 3,960 | 371.45 |
| 3 | (*a*) Mills (Textile) | ... | 78 | 129.78 |
| | (*b*) Mills (Oil etc.) | ... | 109 | 32.34 |
| 4 | Factories | ... | 780 | 80.12 |
| 5 | Petrol Pumps and Service Stations | ... | 120 | 1.49 |
| 6 | Stables | ... | 92 | 8.05 |
| 7 | Garages (Separately assessed) | ... | 1,115 | 6.98 |
| 8 | Godowns | ... | 1,856 | 92.89 |
| 9 | Docks | ... | 8 | 58.22 |
| 10 | Religious properties (Temples, Mosques, etc.) | ... | 813 | 7.09 |
| 11 | Charitable properties (Dharamshala, Musafarkhana, etc.) | ... | 264 | 4.64 |
| 12 | Educational Institutions | ... | 268 | 18.19 |
| 13 | Gymnasiums, Play-grounds, etc. | ... | 169 | 2.75 |
| 14 | Cinema Theatres, Studioes etc. | ... | 81 | 23.37 |
| 15 | Wells, Tanks, Urinals, etc. | ... | 650 | 0.05 |
| 16 | Markets | ... | 66 | 10.01 |
| 17 | Quarries | ... | 2 | 0.60 |
| 18 | Salt pans | ... | 80 | 2.00 |
| 19 | Hospitals and Asylums | ... | 74 | 23.45 |
| 20 | Lands | ... | 2,048 | 12.35 |
| 21 | Properties and lands belonging to Government, Railways and Port Trust | | 6,122 | 147.10 |
| | | Total ... | 54,079 | 21,99.09 |

## STATEMENT " B "

### Rateable Value with the gross return of the property taxes.

(In Lakhs of Rupees)

| Year | Net rateable value | General Tax Rate | General Tax Return | Water tax including water charges by meter measurement Rate | Water tax including water charges by meter measurement Return | Halalkhor Tax Rate | Halalkhor Tax Return | Total of taxes |
|---|---|---|---|---|---|---|---|---|
| | | Per cent | | Per cent | | Per cent | | |
| 1948-49 | ... 1938.47 | 14¾ | 270.65 | 3¾ | 134.51 | 3 | 54.71 | 459.87 |
| 1949-50 | ... 2017.48 | „ | 277.59 | „ | 139.95 | „ | 56.96 | 474.50 |
| 1950-51 | ... 2035.42 | „ | 279.62 | „ | 133.09 | „ | 57.72 | 470.43 |
| 1951-52 | ... 2100.54 | „ | 286.52 | „ | 142.35 | „ | 59.80 | 488.67 |
| 1952-53 | ... 2199.09 | 17¾ | 357.49 | „ | 153.16 | „ | 61.91 | 572.56 |

## STATEMENT "C"

### Growth of Assessment during the past five years.

(In Lakhs of Rupees).

| Year. | Original Assessment Rateable Value, as fixed on 20th December. | Assessment after disposal of complaints and accounting for T.W.Rs. from December to February. | Amount of subsequent reduction during the year by demolitions and on complaints. | Subsequent enhancement New buildings, etc. enlargement and other assessment. | Final Assessment Rateable Value. | Increase Final difference over preceding year's assessment. | Classification of Rateable Value. | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Chargeable with General Tax. | Exempted from General Tax under Sec. 43(1) (a) & (b), etc. |
| 1948-49 ... | 1841.73 | 1885.20 | 25.06 | 78.33 | 1938.47 | 159.50 | 1830.18 | 108.29 |
| 1949-50 ... | 1918.85 | 1970.42 | 58.46 | 105.52 | 2017.48 | 79.01 | 1881.98 | 135.50 |
| 1950-51 ... | 2013.23 | 2046.24 | 85.10 | 74.28 | 2035.42 | 17.94 | 1895.74 | 139.68 |
| 1951-52 ... | 2037.09 | 2057.35 | 47.83 | 91.02 | 2100.54 | 65.12 | 1942.51 | 158.03 |
| 1952-53 ... | 2073.21 | 2137.31 | 48.30 | 110.08 | 2199.09 | 98.55 | 2014.03 | 185.06 |

## STATEMENT "D"

### Classification of Properties according to Rateable Values

| Rateable Value | No. of properties |
|---|---|
| Below 200 ... ... ... ... ... ... | 7,202 |
| Between 201 to 300 ... ... ... ... ... ... | 2,800 |
| Between 301 to 400 ... ... ... ... ... ... | 2,369 |
| Between 401 to 500 ... ... ... ... ... ... | 2,072 |
| Between 501 to 750 ... ... ... ... ... ... | 3,568 |
| Between 751 to 1000 ... ... ... ... ... ... | 2,820 |
| Between 1001 to 1500 ... ... ... ... ... ... | 4,302 |
| Between 1501 to 2000 ... ... ... ... ... ... | 3,449 |
| Between 2001 to 5000 ... ... ... ... ... ... | 9,931 |
| Between 5001 to 10000 ... ... ... ... ... ... | 5,637 |
| Between 10,001 to 20,000 ... ... ... ... ... ... | 2,482 |
| Between 20,001 to 30,000 ... ... ... ... ... ... | 676 |
| Between 30,001 to 40,000 ... ... ... ... ... ... | 282 |
| Between 40,001 to 50,000 ... ... ... ... ... ... | 181 |
| Between 50,001 to 1,00,000 ... ... ... ... ... ... | 281 |
| Between 1,00,001 to 1,50,000 ... ... ... ... ... ... | 75 |
| Between 1,50,001 to 2,00,000 ... ... ... ... ... ... | 30 |
| Between 2,00,001 to 2,50,000 ... ... ... ... ... ... | 29 |
| Between 2,50,001 to 3,00,000 ... ... ... ... ... ... | 8 |
| Between 3,00,001 to 3,50,000 ... ... ... ... ... ... | 10 |
| Rs. 3,50,001 and above ... ... ... ... ... ... | 15 |
| Total ... | 48,219 |

These figures do not include properties belonging to the Bombay Port Trust and Railways, assessed in lump.

# ELECTION & TOWN DUTY DEPARTMENT

## Town Duty Section

Shri K. R. Kelkar was in charge of the department, during the year under report, except during the period from 21st July 1952 to 20th January 1953, when Shri S. G. Redkar officiated for him.

2. The rates of town duties continued to be the same as those in the preceding year.

3. The gross collections on account of Town Duties, refunds in accordance with the provisions of Section 195 of the Bombay Municipal Corporation Act and the net receipts are shown in Appendix A. For the sake of comparison, the gross collections and refunds, during the year under report, and those in the previous year are given below :—

| | 1951-52 | 1952-53 |
|---|---|---|
| | Rs. | Rs. |
| Gross collections ... | 96,23,040 | 92,95,088 |
| Refunds ... | 24,51,570 | 20,19,274 |
| Net Revenue ... | 71,71,470 | 72,75,814 |

4. There was an increase in the net receipts from Grain and Sugar and a corresponding decrease in Timber and Plywood, Tea and Edibles. The total net revenue remained almost the same.

5. The total number of claims received during the year was 34,564 and the amount refunded was Rs. 20,19,274 as against 29,379 claims and Rs. 24,51,570 refunded during the preceding year. The decrease in refunds was mainly due to the fact that no arrears of old 'Grain claims' were disposed of during the year under report as in the preceding year.

6. During the year under report, 10,97,198 packages of sugar and jagree, 3,79,810 cases of tea, 1,99,259 cases of Edibles and 14,559 tins and packages of ghee, paper, etc., were stamped with municipal marks, as against 5,47,218; 4,11,845; 3,05,209, and 37,107 packages and tins, respectively, in the preceding year.

7. The fees from stamping sugar etc., bags amounted to Rs. 1,00,547 as against Rs. 83,272 in the preceding year.

8. Town Duties collected by this department on goods coming into the City by roads, along Bhandup and Jogeshwari amounted to Rs. 6,92,384 as against Rs. 7,18,992 in the preceding year. The town duties on dutiable parcels imported by air amounted to Rs. 5,872, during the year under report.

## Election Section

9. After the results of the General Elections were declared in March, 1952, 4 appeals were filed in the Small Causes Court by the defeated candidates. Two of these appeals were allowed to be withdrawn after some hearing, while the remaining two were dismissed by the Chief Judge, Small Causes Court. While dismissing one of the appeals, the Judge complimented the Municipal staff for their efficiency in the counting of votes.

10. The Supplementary Election Roll, containing 96 names of voters, was published on 20th December 1952, in accordance with the provisions of Section 21B of the Bombay Municipal Corporation Act. Though a notice was published in the newspapers inviting applications for enrolment, there were 113 applications only of which 96 were admitted, 11 were for correction in names and the remaining 6 were rejected.

K. R. KELKAR,
*Election & Town Duty Officer.*

# APPENDIX 'A'

*Statement showing the Collections, Refunds and Net Revenue from Town Duties for the years 1951-52 and 1952-53.*

| Commodities. | Rates. | Collections. | | | | Refunds Certified by the Town Duty Department. | | | | Net Revenue. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1951-52. | 1952-53. | Increase in 1952-53. | Decrease in 1952-53. | 1951-52. | 1952-53. | Increase in 1952-53. | Decrease in 1952-53. | 1951-52. | 1952-53. | Increase in 1952-53. | Decrease in 1952-53 |
| | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Grain | ... At 2 As. per Maund ... | 8,72,475 | 13,34,968 | 4,62,493 | ... | 8,11,453 | 3,67,472 | ... | 4,43,981 | —30,642 | 8,98,056 | 9,28,698 | ... |
| Flour | ... At 1½ As. per Maund ... | 13,825 | 9,254 | ... | 4,571 | 1,05,489 | 78,694 | ... | 26,795 | ... | | | |
| Sugar | ... At 12 As. per Cwt. ... | 18,22,712 | 23,15,695 | 4,92,983 | ... | 5,40,369 | 7,71,362 | 2,30,993 | ... | 12,82,343 | 15,44,333 | 2,61,990 | ... |
| Wines and Spirits | ... At Re. 1 per Imperial Gallon... | 2,22,348 | 2,14,231 | ... | 8,117 | 20,159 | 16,858 | ... | 3,301 | 2,02,189 | 1,97,373 | ... | 4,816 |
| Beer | ... At 2 As. per Imperial Gallon... | 33,601 | 34,570 | 969 | ... | 5,660 | 12,256 | 6,596 | ... | 27,941 | 22,314 | ... | 5,627 |
| Ghee and Ghee Substitutes | ... At Re, 1 per Qr. ... | 4,93,981 | 5,05,939 | 11,958 | ... | 13,241 | 4,518 | ... | 8,723 | 4,80,740 | 5,01,421 | 20,681 | ... |
| Timber and Plywood | ... At 3% on the Market Value ... | 9,18,462 | 6,99,689 | ... | 2,18,773 | 43,962 | 45,334 | 1,372 | ... | 8,74 500 | 6,54,355 | ... | 2,20,145 |
| Firewood | ... At 9 As. per Ton ... | 61,352 | 57,208 | ... | 4,144 | ... | ... | ... | ... | 61,352 | 57,208 | ... | 4,144 |
| Charcoal | ... At Re. 1 per Ton ... | 2,16,883 | 2,20,798 | 3,915 | ... | ... | ... | ... | ... | 2,16,883 | 2,20,798 | 3,915 | ... |
| Tea | ... At 6 Pies per Lb. ... | 8,24,724 | 6,46,016 | ... | 1,78,708 | 2,85,236 | 2,81,453 | ... | 3,783 | 5,39,488 | 3,64,563 | ... | 1,74,925 |
| Coal | ... At 7 As. per Ton ... | 57,006 | 64,582 | 7,576 | ... | 21,328 | 2,984 | ... | 18,344 | 35,678 | 61,598 | 25,920 | ... |
| Dates, (Dry) | ... At 6 As. per Cwt. ... | 1,01,815 | 82,315 | ... | 19,500 | 1,164 | ... | ... | 1,164 | 1,00,651 | 82,315 | ... | 18,336 |
| Dates, (Wet) | ... At 4 As. per Cwt. ... | 1,85,649 | 1,20,226 | ... | 65,423 | 1,115 | ... | ... | 1,115 | 1,84,534 | 1,20,226 | ... | 64,308 |
| Cement | ... At Re. 1 per Ton ... | 1,56,934 | 1,67,635 | 10,701 | ... | 208 | 655 | 447 | ... | 1,56,726 | 1,66,980 | 10,254 | ... |
| Iron and Steel | ... At Rs. 2½ per Ton ... | 7,44,739 | 7,45,872 | 1,133 | ... | 11,079 | 25,920 | 14,841 | ... | 7,33,660 | 7,19,952 | ... | 13,708 |
| News Print | ... At As. 5 per Cwt. ... | 1,10,139 | 1,28,582 | 18,443 | ... | 1,921 | 4,388 | 2,467 | ... | 1,08,218 | 1,24,194 | 15,976 | ... |
| For Cards etc. | ... At Re. 1 per Cwt. ... | 55,359 | 45,313 | ... | 10,046 | 1,202 | 37 | ... | 1,165 | 54,157 | 45,276 | ... | 8,881 |
| Straw Boards | ... At As. 3 per Cwt. ... | 27,076 | 26,420 | ... | 656 | 1,166 | 116 | ... | 1,050 | 25,910 | 26,304 | 394 | ... |
| Edibles | ... At 6¼% Advalorem ... | 24,34,782 | 14,95,679 | ... | 9,39,103 | 4,89,110 | 4,48,418 | ... | 40,692 | 19,45,672 | 10,47,261 | ... | 8,98,411 |
| Commodities not accounted for | | 2,69,025 | 3,79,950 | 1.10,925 | ... | ... | ... | ... | ... | 2,69,025 | 3,79,950 | 1,10,925 | ... |
| Miscellaneous | ... | 153 | 146 | ... | 7 | ... | ... | ... | ... | 153 | 146 | ... | 7 |
| | Total ... | 96,23,040 | 92,95,088 | 11,21,096 | 14,49,048 | 23,53,862 | *20,60,465 | 2,56,716 | 5,50,113 | 72,69,178 | 72,34,623 | 13,78,753 | 14,13,308 |

* This represents the amount of refund passed by this Department during the year under reference, whereas refunds paid by the Chief Accountant amounted to Rs. 20,19,274 including previous year's claims.

K. R. KELKAR,

*Election and Town Duty Officer.*

# SPECIAL ENGINEER'S DEPARTMENT

## GENERAL

1. In accordance with the re-organization Scheme of the Engineering Department, sanctioned under Corporation Resolution No. 1147, dated the 13th December 1951, the Works and the Architectural Branches were amalgamated into one compact unit by sub-dividing them into " Construction" and "Maintance" branches. These Branches were placed under the control of the Deputy City Engineer to be assisted by one Assistant Engineer 1st Grade for each of these branches.

2. The Construction Section attends to works of constructing roads, footpaths, repairs to municipal and *Ex*-Trust Buildings and acquired and other properties, Public Street Lighting, Improvement of the Private Streets and removal of Town Refuse to Deonar etc.

3. Prior to the re-organization, the Works Branch in charge of Maintenance of Roads and footpaths was divided into six divisions A, B and C, D, E, F and G, each of these being under one Assistant Engineer while the former Architectural Branch in charge of maintenance of municipal and *Ex*-Trust Buildings and other properties was divided in two divisions, one comprising of A, B, C, D and E/E Wards and the other of E/W, F and G Wards with such other municipal outside city properties as Bandra Slaughter House and Labour Camp and Offices at Chembur. Each of these two divisions was in charge of one Assistant Engineer.

4. On amalgamation of these two branches under re-organization the work was divided in four divisions *viz.*, Division I, comprising of A, B and C Wards, Division II comprising of D and E Wards and Divisions III and IV of F and G Wards respectively. These divisions were placed in charge of one Assistant Engineer each, directly under Assistant Engineer 1st Grade Maintenance.

5. Out of the two posts of Assistant Engineers 1st Grade referred to above the post of Assistant Engineers 1st Grade (Maintenance) was filled but that of the Assistant Engineer 1st Garde (Construction) was not filled. The latter work was supervised and controlled by the Deputy City Engineer personally during the year.

### Maintenance Branch

*(b) Maintenace of Municipal and Ex-Trust Buildings and other properties.*

6. As stated in para. 4, the work of maintenance of municipal and *Ex*-Trust Buildings and properties was divided in four divisions.

7. The total number of buildings placed in charge of this Section for maintenance was 3,156 which shows an increase by 25 from the previous year's 3,141. This increase was due to new buildings having been handed over for maintenance.

8. The work of maintenance can be classified in three major heads, (*i*) Normal Repairs, (*ii*) Special Repairs and (*iii*) New Works.

9. Normal repairs include works of monsoon repairs such as fixing bamboo mats, dammering turning tiles and also white-washing and colour washing. The works that are likely to increase the life of the buildings or structures fall under the category of ' Special Repairs . 'Appendix ' A ' shows the works carried out under this category during the year under report. The works of additions and alterations to the buildings as also those of providing new amenities fall under the category of ' New Works '. Appendix ' B ' shows the works carried out under this category during the year.

10. The works mentioned above were carried out partly by contract and partly departmentally.

11. For purposes of contract works the City was divided in two divisions, one comprising of A, B, C, D and E/E Wards and the Sanitary Institute at Princess Street and the other of E/W, F, G Wards and the Bandra Slaughter House and the Labour Camp and offices at Chembur.

12. The contracts for these two divisions were entrusted to two different contractors.

13. The rates for works through Petty Works Contractors were below the Schedule rates, the same being 20 per cent. below schedule rates for the division I and 18.75 per cent. below schedule rates for Division II. These rates were lower by 6.88 per cent. and 5.44 per cent. respectively than the previous years' rates.

14. Budget provisions and actual expenditure booked under different heads during the year were as follows :—

**Revenue Budget ' A '**

| | | Provision | Expenditure |
|---|---|---|---|
| | | Rs. | Rs. |
| (1) Normal Repairs | ... | 3,11,366 | 2,36,914 |
| (2) Special Repairs | ... | 3,22,080 | 1,88,020 |
| (3) New Works | ... | 1,79,682 | 71,620 |
| (4) Repairs to acquired municipal properties | ... | 11,000 | 8,433 |

**Revenue Budget 'B'**

| | | Provision | Expenditure |
|---|---|---|---|
| | | Rs. | Rs. |
| *I.—Normal Repairs and Lighting charges for.* | | | |
| (1) Acquired properties | ... | 1,63,000 | 1,44,200 |
| (2) Chawls | ... | 2,48,000 | 2,62,979 |
| (3) S. P. Sheds | ... | 95,000 | 62,968 |
| (4) Office Buildings, etc. | ... | 28,500 | 21,394 |
| *II.—Special Repairs.* | | | |
| (1) Acquired properties | ... | 1,35,000 | 31,994 |
| (2) Chawls | ... | 7,00,000 | 99,422 |
| (3) S. P. Sheds | ... | 70,000 | 11,356 |

15. In addition, repairs to school buildings under Budget 'E' were also carried out.

16. Out of the total expenditure, works to the extent of Rs. 8,22,136 were carried out departmentally and of Rs. 2,62,588 through the Petty Works Contractors.

17. In addition to the above a lump sum provision of Rs. 60,000 for oil painting, colour washing and white washing to municipal properties was made. As the amount was very small the works were carried out departmentally on the basis of 'A' Schedule rates. No 'C' Schedule was prepared as in the previous year Such works carried out during the year will be found under 'Special Repairs' in Appendix 'A'.

18. The work on the five years' programme of heavy repairs and improvements to water supply at the *Ex*-Trust chawls as sanctioned under Corporation Resolution No. 2080, dated the 13th March 1950 was continued.

19. The work of improvement to water supply at Love Lane Chawls Nos. 1, 2 and 3, Imamwada chawls, Chandanwadi Chawls Nos. 4 and 5 were completed. The works at Chandanwadi Chawls Nos. 2 and 3 and Princess Street Chawls were in progress at the end of the year. Work order was issued to the Petty Works Contractor for the work at Chinchbunder Chawls. For the work at Sydenham Road Chawls tenders were invited.

20. Quotations were also invitad for gunite treatment of Mandvi Koliwada Chawls Nos. 1, 2 & 5. and Chandanwadi Chawl No. 1. The works were entrusted to the contractors.

21. The work of electrification of Sydenham Road Chawls Nos. 1 and 2, Nagpada Chawls Nos. 18 and 19 and Mazagaon Chawls (excluding chawls 1, 2 and 16) were entrusted to Mechanical Engineer. It was proposed to give a light point per single tenement with a plug point and separate meter for each floor.

22. The work of renewal of electric wiring at *Ex*-Improvement Trust Buildings was in progress.

23. Estimates amounting to Rs. 34,31,809 for various works including new works, Special Repairs works were prepared at the instance of different departments.

**General**

24. Cost of maintenance of the municipal and *Ex*-Trust buildings kept up an upward trend. This increase in the cost of maintenance was largely due to their continuously deteriorating condition consequent upon the old age, necessitating constant attention and frequent repairs. The cost had also increased owing to the thefts of sanitary and electric fittings necessitating frequent replacement.

25. The total funds available under various grants for maintenance of these buildings were inadequate for the needs and many works of repairs had to be deferred for this reason.

26. The position of supply of cement was fairly satisfactory during the year.

**(B) Construction other than Housing.**

27. Although the position regarding the availability of essential building materials had eased during the year under report, the programme of new buildings was not so encouraging due to paucity of Loan Funds.

28. The following works which were in progress during the previous year were completed :—

**Loan Works Budget 'A'**

(1) Fire Brigade Station at Worli.

(2) Cheap Type Urinals at—
- (*a*) Narsi Natha Street,
- (*b*) near G. M. C. Market,
- (*c*) Khandia Street.

(3) Additional floor over Ward Pavilion No. 2 at the K. E. M. Hospital, Parel.

**Loan Works Budget 'E'**

(1) Additional floor over the school building at DeLisle Road.

29. The following new works were undertaken during the year and were either in progress or nearing completion at the close of the year as mentioned against each :—

**(1) Loan Works Budget 'A'**

(1) Extension to the X-Ray Therapy Block at the K. E. M. Hospital, Parel (Complete).
(2) Building for an electrically operated crematorium at Chandanwadi (incomplete).

**(2) Loan Works Budget 'E'**

(1) Additional floor over J. R. Municipal School Building at Sandhurst Road (East) (Complete).
(2) School building at Laxmi Narayan Lane, Matunga (in progress).

30. In addition, the work of construction of an operation theatre was carried out at Acworth Leprosy Home, Matunga at the cost of Leper Home authorities.

31. During the year under report, tenders were invited for the construction of a school building on Plots Nos. 50, 51 and 52 in Suparibaug Estate, Poibavdi estimated to cost Rs. 6,60,901. This work is expected to start shortly.

## GENERAL REMARKS

### Cheap type urinals

32. The standard design for low-cost cheap type urinals being open to the sky was objected to by the public and a revised type design for covered urinals with varying seats was prepared and submitted for administrative approval. The further programme of construction of such urinals in congested localities will be pursued vigorously when the revised standard design is approved.

### Electrically operated Crematorium

33. The construction of a building for an electrically operated crematorium which is first of its kind in India was sponsored by the Lotus Trust who contributed Rs. 1 lac towards its construction. The total cost of the work is estimated at Rs. 5,54,324 and the balance was provided from Municipal funds. The two electric furnaces were being installed. The work was nearing completion at the close of the year and the Crematorium would be put into operation during the ensuing monsoon.

### School Buildings

34. A majority of Municipal Schools are housed in private buildings which are not suitable as educational institutions and the necessity of constructing municipal-owned suitable buildings for housing primary schools is greatly felt. A programme of constructing school buildings in different parts of the City was framed and the same was being pursued according to availability of funds and suitability of sites. A tentative decision to set apart at least Rs. 10 lakhs to implement this programme was taken.

### Major Schemes

35. Plans and estimates for the following schemes were prepared and approved or were awaiting approval of the Corporation.

| Serial No. | Name of the Work | Estimated amount. |
|---|---|---|
| | **Loan Works Budget 'A'** | Rs. |
| 1 | Hostel for 120 male students etc., of the T. N M. College at Haji Ali Park ... | 10,65,000 |
| 2 | Construction of market at Dr. Meisheri Road, Dongri ... | 5,37,662 |
| 3 | Construction of a combined market on land bearing C.S. No. 43 of Sion Division next to King Circle High Level Central Railway Station. | 3,40,240 |
| 4 | Construction of a Fire Brigade Station at the junction of Mia Mahomed Chhotani Road and proposed 50' Road, Mahim. | 2,96,460 |
| 5 | Remodelling of Municipal Central Stores by converting the existing Milch-cattle stable on plot bearing C.S. No. 2022 into a store yard. | 3,49,390 |
| | **Loan Works Budget 'B'** | |
| 6 | Additional floors for accommodating a school over the Patel Terrace in Scheme 3, Sandhurst Road Estate. | 2,05,898 |
| | **Loan Works Budget 'E'** | |
| 7 | Construction of an additional storey over the existing Rahimtulla Currimbhoy Mahim Urdu Boys' School. | 1,69,000 |
| 8 | Construction of a school building on plots Nos. 27, 28 and 29 Naigaum Estate ... | 5,98,540 |
| 9 | Construction of a school building on plots Nos. 160B to 162A, Sion-Matunga Estate ... | 7,12,540 |
| 10 | Construction of a school building on plots Nos. 150, 151, 152 and 153, Suparibaug Estate. | 7,58,580 |

## (B) HOUSING

36. There was no perceptible relief in the Housing shortage in the City during the year. There was considerable building activitity by the privat investors but this was mainly confined to housing for the upper middle classes. The burden of putting houses for the poorer classes fell on public bodies like the Bombay Housing Board and the Municipality. The Municipal activities however had to be curtailed considerably on account of the unsatisfactory position of the loan funds. During the year, work was completed on 140 tenements, 6 godowns and 4 shops and work on another 170 tenements was nearing completion by the end year. The other major housing activities during the year were (*i*) opening a new squatters' colony at Jogeshwari to accommodate about 1,500 squatter families and (*ii*) extension of the Mankhurd colony to accommodate a total of about 2,500 families as against its previous accommodation of about 1,300 families.

### Housing under Budget 'A'—Loan Works.

37. The work on the 48 tenements for the conservancy staff at Rajwadkar Street, Colaba was in progress during the year and was nearing completion at the end of the year. No other housing works under 'A' Budget could be taken in hand due to financial stringency.

### The Works referred to in the previous year's report

38. (*a*) *Tenements at Colaba.*—Out of the 144 tenements approved on this site, work on 48 tenements estimated to cost Rs. 2,26,960 on the basis of the contract rates was in progress during the year and nearing completion at the end of the year. Tender forms for the remaining 96 tenements which are to be taken in hand after the completion of this work were ready at the end of the year and were scheduled to be invited by May 1953.

(*b*) *The Milch Cattle Stables.*—The acquisition proceedings were still in progress during the year. Proposals for housing schemes on sites earmarked for housing will be formulated when possession of the sites is likely to be available.

(*c*) *Tardeo Flats at Mahalaxmi.*—No progress could be made with this scheme on account of financial stringency. By the end of the year, however, 119 tenements and 9 shops on the adjoining 'B' Budget land at Haystack Road were nearing completion and arrangements were being made to shift an equivalent number of conservancy labour staff families from the Tardeo Flats to these tenements to enable the work of re-development of Tardeo flats being taken in hand subject to availability of funds.

(*d*) *Tenements at Bapty Road Yard.*—Tenders were invited at the end of the yer for the construction of 144 tenements out of the total 244 tenements proposed at this site. Invitation of tenders was delayed on account of the curtailment of the budget provision. The work on these 144 tenements will be taken in hand early next year.

(*e*) *Additional staff accommodation at Byculla Fire Brigade Head Quarters.*—A proposal to shift the Fire Brigade Head Quarters to a place like Mahim which would be more central for the Greater Bombay was under consideration. In view of this development, the proposal for additional staff quarters at Byculla Fire Brigade Head Quarters was deferred. During the year, a new Fire Brigade Station with staff quarters was constructed at Worli.

(*f*) *Staff quarters at Dadar Purification Works.*—No progress could be made with this work as there was no provision in the Budget. The scheme is proposed to be spread over a period of three years and provision of Rs. 2,50,000 is made in the next year's Loan Works Budget.

(*g*) *Staff quarters at the Sewage Pumping Stations and Compressor Stations.*—Due to paucity of loan funds, provision made for this work was subsequently deleted and no progress could be made.

(*h*) *Quarters for menials at Municipal General Hospital, Sion.*The provison made for this work was also deleted and no progress could be made with the work.

### New Proposals

39. Under the Award given by the adjudicator Shri Sen in the Sweepers' dispute recorded under Corporation Resolution No. 157, dated the 19th June 1952, the Corporation is required to construct 2,800 tenements for the Conservancy staff during the next 6 years. The proposals for tenements at Colaba, Tardeo Flats and Bapty Road Yard which are already approved by the Corporation make a total of 798 tenements. The question of selection of sites and the type design for the remaining 2,000 tenements was under consideration during the year and definite proposals in this respect would be formulated as early as possible.

### Housing under 'B' Budget.

40. Works estimated to cost Rs. 40,58,600 were in progress or completed during the year against which expenditure booked was Rs. 5,99,747, Appendix C shows the details.

### Works referred to in the previous year's report

(1) (*a*) *Temporary tenements.*—64 tenements on Municipal land at Dharavi adjoining the Andhra Valley Power Supply Co.'s land.

This work commenced in the beginning of the year and was completed.

(*b*) *Mang-Garudi Camp near Matunga Labour Camp, Dharavi.*—On account of the easier position of cement a revised plan and estimate amounting to Rs. 47,531 was prepared for providing concrete passages and the work thereon was scheduled to be started by the beginning of the next year. A proposal was aso considered for Providing additional 65 tenements on the available open spaces in the camp, but was deferred for want of funds.

(2) *Permanent Housing.*—Work on the 3rd Chawl at Palton Road with accommodation of 72 tenements on upper floors and 4 shops and 6 Godowns and 4 tenements on the ground floor was completed at a cost of Rs. 4,21,521 on the basis of the contract rates.

## New Proposals

42. (*a*) Plans and estimates for the construction of 286 temporary tenements on the land along Harbour Branch Line Wadala approved '*inter alia*' under Corporation Resolution No. 442, dated the 21st August 1950 were revised so as to provide part of the accommodation in the shape of 24 three-room flats, and 20 two-room flats. This change was made in order to solve the question of re-housing the Municipal tenants from Agarwal Nagar at Matunga requisitioned during war days for A.R.P. activities. The revised plans and estimates amounting to Rs. 8,69,489 for 219 tenements, 24 three-room flats and 20 two room flats were got approved under Corporation Resolution No. 706, dated the 13th October 1952 and work on the flats and block of 10 single-room tenements was taken in hand during the closing part of the year.

(*b*) Tender forms for the following works were ready for the invitation of tenders at the close of the year:—

(*i*) Remaining 110 tenements at Haystack Road, Mahalaxmi;
(*ii*) 60 addition a tenements at Shantinagar, off Arthur Road;
(*iii*) 14 tenements at Chinchpokli, off Arthur Road.

(*c*) Layout plans were prepared for the provision of the permanent housing on (*i*) land in case No. 46 at Haines Road in East Agripada (North) Scheme and (*ii*) Plot No. 74 and the adjoining Milch Cattle stables at Byculla Station Road in the same scheme. Construction of permanent tenements is however proving a problem on account of the high construction cost which results in high economic rents. This makes it difficult to let out the tenements at rents within the rent paying capcity of the "low income group" families.

(*d*) *Housing Schemes for Squatters.*—During the latter part of the year, it was decided to open a new colony at Jogeshwari and also to extend the colony at Mankhurd so as to enable the squatters from all areas in the city other than Dharavi and Ravli Camps being cleared. At Mankhurd, an additional 7 acres of land was requisitioned and the accommodation thereat was increased from about 1,300 families to 2,500 families At Jogeshwari, a site admeasuring 53 acres of land about 3 furlongs from the Jogeshwari Railway Station was made available by acquiring about 38 acres of land by private negotiations and the remaining 15 acres by requisitioning. The removal of the squatters to the two colonies was started in November and continued during the next 2 months. Before shifting the squatters, washing places and trench latrines were provided at Jogeshwari. Before the end of the year plans and block estimates amounting to Rs. 15,15,400 for the construction of pucca washing places, W. C.'s, Roads and passages, etc., at the two colonies were got approved by the Corporation. Tenders for the works were also invited during the closing part of the year and the work started by the end of the year. A special feature of the works was that all the earth work for roads and passages was being carried out by engaging labour only from the residents of the colonies. This helped in providing employment of large number of families at the colonies. After the completion and removal programme, the total population at Mankhurd colony rose to about 2,800 families while that at Jogeshwari amounted to about 1100 families. Shifting of further families to Jogeshwari was held over pending the completion of the pucca washing places and water closets.

## Experimental Housing

43. No experimental houses were constructed during the year. A proposal was, however, under consideration at the end of the year to provide at the Jogeshwari squatters' colony one or two model houses with soil-cement blocks for walling.

## II.—Private Building Construction—(Including setbacks)

### (*i*) Applications for erection of new buildings.

44. The following table shows the number of applications, for the erection of new buildings and for additions and alterations to the existing buildings, received under Sections 337 and 342 of the Bombay Municipal Corporation Act during the last 5 years.

| Year | Under Sec. 337. | Under Sec. 342. | Total No. of buildings dealt with. | Total No. of applications. |
|---|---|---|---|---|
| 1948-49 | 1,467 | 1,148 | 2,615 | 4,193 |
| 1949-50 | 1,214 | 1,159 | 2,373 | 6,018 |
| 1950-51 | 1,144 | 1,218 | 2,362 | 5,261 |
| 1951-52 | 982 | 1,008 | 1,990 | 4,391 |
| 1952-53 | 882 | 807 | 1,689 | 5,437 |

NOTE.—Two or more modified proposals are generally received in connection with one and the same building. This accounts for the difference between the figures in the last two columns.

### (*ii*) Set-Backs.

45. The statement of amounts spent on acquisition of setbacks in the City during the last 5 years is given below:—

| Year. | Amount paid as setback compensation. |
|---|---|
| | Rs. a. |
| 1948-49 ... ... ... ... ... | 5,09,089 15 0 |
| 1949-50 ... ... ... ... ... | 2,85,129 6 0 |
| 1950-51 ... ... ... ... ... | 4,99,309 4 0 |
| 1951-52 ... ... ... ... ... | 5,13,580 6 0 |
| 1952-53 ... ... ... ... ... | 4,55,313 0 0 |

47. The area of setbacks added to the roads during the year was 5,590 square yards at a cost of Rs. 99,475-9-0.

48. The liability outstanding at the close of the year in respect of setbacks amounted to Rs. 16,54,278-0-0. It includes compensation amounting to Rs. 40,916-0-0 agreed to be paid to house owners on the termination of the leases granted to them in respect of lands acquired from them pending the acquisition of the adjoining setbacks.

49. Liability to the extent of Rs. 3,335-0-0 was cancelled during the year in respect of cases in which works were not carried out and the proposals were time-barred.

**Regular lines of streets and layout of new roads.**

50. A list of (1) regular lines of streets prescribe during the year under Section 297(1)(*a*) of the Bombay Municipal Corporation Act, and (2) Revised regular lines under Section 297(1)(*b*) is given in Appendix 'D'.

**Enforcement of building regulations.**

51. In all 10,111 notices were issued under different sections of the Bombay Municipal Corporation Act. 3,939 prosecutions were launched against the house owners for non-compliance with the requisition and the results of the proceedings in the courts are given in Appendix 'E'.

**Repairs to or Removal of unsafe structures.**

52. In all 4,509 notices were issued under Section 354 of the Bombay Municipal Corporation Act for repairs to or removal of unsafe structures. Out of these, 3,288 were complied with and the remaining 1,221 were pending at the close of the year.

53. Out of 953 notices pending at the end of the last year 862 were complied with and 91 notices still remained pending at the close of the year.

**Building collapses..**

54. 94 buildings or portions thereof collapsed during the year under report. In 75 cases there were no casualties; in one case, 2 persons were injured out of whom one person subsequently died in the hospital; in the remaining 18 cases the total number of person injured was 40 and none was killed.

**Removal of huts or walls of inflammable materials.**

55. Action for the summary removal of huts or walls made of inflammable materials was taken under Section 349 of the Bombay Municipal Corporation Act in 305 cases. Out of these, 264 were complied with and the remaining 41 were pending at the close of the year. Out of the 70 cases pending at the close of the last year 62 were complied with during the year and the remaining 8 were pending at the close of the year.

**Removal of unauthorised structures.**

56. During the year under Rport, action for removal of unauthorised works had to be taken vigorously to check the growing tendency on the part of law breakers to put up such structures without Municipal permission and in defiance of the provisions of the Bombay Municipal Corporation Act. Most of such structures are inadequately lighted and ventilated and are deficient as regards open spaces required under the Building Bye-laws. During the year sanction of the Standing Committee was obtained in 156 cases for the removal of unauthorised works. Sanction for 87 cases out of these 156, however was obtained during the last quarter of the year. The unauthorised works in 32 cases were removed by the parties at the close of the year, in 18 cases the work was removed departmentally, the work in respect of 4 cases were allowed to be retained as the parties regularised the same and 102 cases were pending at the close of the year.

### (*iii*) Stall-board etc. projections.

57. Under their Resolution No. 1809, dated the 20th March 1952 the Corporation sanctioned enhanced rates of fees from 1st April 1952 charging the stallboard projections on roads without footpaths at double the rates existing before 1st April 1952 with a proviso to double the fees every year thereafter and the cupboard etc., projections on cubical measurement. There was great agitation among the stall-board holders on account of this enhancement and these stall-board holders through their Association represented that due to the general trade depression they were finding it difficult to carry on their business and as such the fees should be again revised. This matter is receiving consideration.

58. Action for removal of unauthorised stall-board projections and showcases was continued through the stall-board Removal Staff. The total number of roads tackled was 288. 3,856 notices were served under Section 308 of the Bombay Municipal Corporation Act requiring parties to remove unauthorised projections on streets. Out of these, 2,574 notices were complied with and 1,282 were pending at the close of the year. 314 notices which were pending at the close of the last year were also ocomplied with. During the year 879 projections were removed by the parties of their own accord and 1,248 were removed departmentally. 1,207 stall-board projections and 848 weather frame projections were allowed to be retained on payment of fees. The difference between the figures of the notices served and the projections affected by these notices is due to the fact that the notice served on a shopkeeper-includes all the projections such as weather frame, stall-board, showcase etc., owned by him.

59. The following statement shows the income derived from and the expenditure incurred on the establishment of removal or control of temporary projections such as stall-boards, weather frames etc., during the last three years:

| Year | Income | Expenditure | Net Income | Remarks |
|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| 1950-51 | ... 3,39,540 13 0 | 64,816 6 0 | 2,74,724 7 0 | |
| 1951-52 | ... 3,52,915 15 0 | 82,766 12 0 | 2,76,149 3 0 | |
| 1952-53 | ... 3,21,583 14 0 | 90,026 10 0 | 2,31,557 4 0 | |

*Note.*—Most of the stall-board holders were reluctant to pay the fees at enhanced rates. Negotiations with the Stall-board Owners' Association were going on. This has adversely affected the income.

## (iv) Building Activities.

60. As a result of applications received under Sections 337 and 342 of the Bombay Municipal Corporation Act, 1413 Completion Certificates in respect of buildings completed were received and they were disposed of after inspection on site.

61. The total number of new buildings constructed by private enterprise during the year was 520, out of which 158 were residential and 343 non-residential, and the total number of residential buildings constructed by Co-operative Societies was 15. There were 4 residential buildings constructed by the employers for their employees. The number of non-residential buildings is inclusive of minor proposals such as garages, godowns, sheds, sanitary blocks etc.

62. The following statement shows the number of tenements constructed during the year under report and the previous year:—

| Ward | No. of one room tenements | No. of two room tenements | No. of larger tenements usually known as blocks | Total |
|---|---|---|---|---|
| A ... | ... | 15 | 248 | 263 |
| B ... | 9 | 13 | 4 | 26 |
| C ... | 56 | 52 | 230 | 338 |
| D ... | 29 | 31 | 394 | 454 |
| E ... | 51 | 22 | 83 | 156 |
| F ... | 68 | 356 | 419 | 843 |
| G ... | 90 | 108 | 287 | 485 |
| Tenements constructed during the year 1952-53 ... | 303 | 597 | 1,665 | 2,565 |
| Tenements constructed during the previous year. ... | 492 | 634 | 1,442 | 2,568 |

63. The following statement shows the number of tenements demolished during the year:—

| Ward | No. of one room tenements | No. of two room tenements | No. of larger tenements usually known as blocks | Total |
|---|---|---|---|---|
| A ... | 41 | ... | 4 | 45 |
| B ... | 60 | 4 | 19 | 83 |
| C ... | 38 | ... | ... | 38 |
| D ... | 46 | ... | 7 | 53 |
| E ... | 16 | ... | ... | 16 |
| F ... | 183 | 12 | 1 | 196 |
| G ... | 55 | ... | 39 | 94 |
| Total ... | 439 | 16 | 70 | 535 |

**Cement authorisation to private house owners.**

64. The issue of authorisation certificates for cement to private house owners for urgent and essential repair works to their buildings was continued during the year. In all 3,220 applications for cement were received and authorisations aggregating to 3,051 tons and 14 cwts. were issued after scrutiny of the applications by inspection of works on site.

**Complaints from the public.**

65. The number of complaints received from the public regarding structural defects, ruinous conditions of the buildings, leakage of rain water, unauthorised construction etc., was 4,085 during the year. Out of these 4,049 were looked into and neccssary action in connection therewith was taken. This leaves only 36 cases in which action was not complete at the close of the year.

**Housing Numbering.**

66. The house numbering work was continued during this year and its progress was as follows:—

*A Ward.*—The work of fixing street number plates to the properties was completed.

*B Ward*—The work of fixing street number plates to the properties was continued.

*C Ward.*—The plans have been approved by the Corporation and the work of fixing street number plates to the properties will be taken in hand shortly.

*D and E Wards.*—The work of surveying the properties and assigning street numbers has been completed and the plans have been sent to Assessor and Collector for verification.

*Fand G Wards.*—The work of surveying the properties and assigning street numbers to them is in progress.

**R.C.C. and R.S. Codes.**

68. The R.C.C. and R. S. Codes have been approved by the Government under the Resolution No. 4311/33, dated the 17th April 1952 and the same are now available to the public at Rs. 4-8-0.

69. During the year the special technical Officer continued to scrutinize the structural designs of private buildings to verify if the same were as per standard laid down in the Codes and inspect the works in progress.

**Traffic.**

70. Last year the Corporation had approved of the proposal for a foot overbridge at Marine Drive near Mafatlal Swimming Pool under their Resolution No. 1687, dated the 21st February 1952. The construction of the over-bridge is nearly completed and will be open to public shortly after completing the finishing work.

**Zoning.**

71. The declaration prepared under the new Section 354AA of the Bombay Municipal Corporation Act was forwarded last year to Messrs. Crawford Bayley & Co., Solicitors for their opinion. As there was some doubt about the interpretation of some of the provisions of the Section, the Solicitors after obtaining Counsel's opinion have advised that the section will have to be substantially redrafted to make it a useful instrument for enforcing the principles of Zoning. A revised draft section has accordingly been forwarded to Government and as per Government's instructions, opinion of the Counsel General, as to the legality of the proposed draft section *vis-a-vis* the Indian Constitution, is being obtained.

## General

**Acute shortage of Housing Accommodation.**

72. There was no improvement in the acute shortage of housing accommodation as there was no response from the private enterprise for the construction of one or two room tenements which are required for low income group families. The tendency of the house owners is towards the construction of blocks which are beyond the reach of low income group. Unless therefore the Government and the Municipality tackle the question of providing housing at rents within the reach of the lower income group there will be no change in the present position.

**Dilapidated houses in the City.**

73. The owners were reluctant to comply with the Municipal requisitions on the ground of heavy cost involved on its repairs as the rents could not be increased under the provisions of the Rent Act inspite of heavy repairs. The Municipality had therefore to be satisfied with the issue of the notices and launching of prosecutions for non-compliance with the requisitions. In some cases where the owners failed to comply with the requisitions and the tenants showed their willingness to carry out the repairs, they were authorised under Section 499 of the Bombay Municipal Corporation Act to carry out repairs and recover the reasonable expenses incurred by them in so doing from the rents that would from time to time become due by them to the owners.

74. In some cases where the buildings were in a dangerous condition and mishaps would have occurred had unsafe portions of the buildings not been immediately pulled down, departmental action under Section 489 of the Bombay Municipal Corporation Act for pulling down unsafe portions of buildings had to be taken on failure by the owners to carry out Municipal requisitions. For this purpose, a provision of Rs. 50,000 was sanctioned in the Budget Estimates for the year under reference under Advances—Advance for demolition of unauthorised structures and for removal of unsafe buildings in the City. In most of the cases the owners were persuaded to pay the bills of demolition contractor direct. However in one case only contractor's bill amounting to Rs. 2,100 was paid from the grant. Efforts are being made to recover the amount from the party concerned. A further provision of Rs. 10,000 was sanctioned under Municipal Commissioner's Discretional Contingencies to cover irrecoverable expenditure incurred on demolition and removal work. No expenditure was incurred from this grant during the year under reference.

**Necessity for providing alternative accommodation for persons affected by acquisition of set backs and by pulling down of dilapidated buildings.**

75. The acute housing shortage hampered the improvement and widening of narrow streets in congested locality. The set-back lines were prescribed on a majority of such streets in the City but the set-backs could not be demanded for want of alternative accommodation to the dishoused occupants. Unless some alternative accommodation is provided for such dishoused occupants as mentioned in the last year's report, no effective action can be taken in this direction.

## SEWAGE PURIFICATION WORKS DADAR

76. *General.*—The Sewage Purification Works at Dadar, functioned satisfactorily throughout the year under report. The total volume of Sewage received at the plant during the year, amounted to 4073.53 million gallons, *i.e.*, an average of 11.16 million gallons per day. Out of this, 8 million gallons per day received complete treatment and the remaining 3.16 million gallons per day preliminary treatment. The final effluent, turned out by mixing the effluents from both the processes, was quite satisfactoroty for discharge into the sea through the adjoining Storm Water Drain. Appendix 'F' gives in a tabulated form the data of the entire plant for 1952-53.

77. The work of installing additional sewage pumping sets at Matunga Pumping Station and replacing two old pumping sets at the Mahim Pumping Station was in progress. The machinery for new Pumping sets for Dadar Pumping Station was received which would be installed in position by the end of December 1953.

78. *Activated Sludge Plant.*—The Activated ludge Plant functioned satisfactorily. The concrete walk-ways and walls of the Preliminary and Final Settlement Tanks, particularly a couple of feet above sewage level, of the Activated Sludge Plant showed a dinstinct sign of corrosion due to the action of Sewage gases, resulting in peeling off of the concrete and exposure of reinforcements. These walk-ways and the concrete walls were therefore cement gunited at a cost of about Rs. 27,010.

79. *Enclosed Forced Draft Filters.*—The three enclosed Forced Draft Filters worked satisfactorily at their designed flows and turned out effluent of a tolerable quality under local conditions.

80. *Digestion Tanks.*—The two Digestion Tanks worked satisfactorily throughout the year. The Scum formation, underneath the floating roofs was effectively arrested by working the agitation mechanism 8 hours a day.

81. The total quantity of sludge gas generated in the two Digestion Tanks, during the year under report amounted to 38.8456 million Cu. ft.—an increase of 5.8488 million Cu. ft., over that generated in the previous year. The daily average gas-generation was 1,06,400 Cu.. ft.

### (*a*) Domestic Gas Consumption.

82. *Sluge Gas Utilization*—The details of the generation of gas and its utilization are given in Appendix 'G'. The revenue realised by the sale of gas, during the year amounted to Rs. 78,490 giving an increase of Rs. 15,800 over the figure of the previous year.

83. (*i*) *New Gas Connections.*—Sludge gas supply wsa extended to five Hotels and Raestaurants in the Dadar Bazar Area through the newly laid 4" C.I. pipe line—bringing a revenue of about Rs. 1,100 per month.

(*ii*) On Bhawani Shankar Road, sludge gas supply was furthur extended to sixty new tenements of the Dadar Co-operative Housing Soceity—increasing the revenue by Rs. 600 per month.

(*iii*) In the Parel area, gas supply was extended to the 4 kitchens of the Male Students' Hostel of G. S. M. College and the newly opened Cancer Reserach Laboratory. These two connections have helped to increase the revenue by about Rs. 100 per month.

84. As the roof replacement of old digestion tank is to be undertaken during 1953-54, further extensions of Gas supply are held over for the time being.

85. The experience so far gained shows that the distribution of sludge gas for domestic consumption is both economical and trouble-free mode of sludge gas utilization. The success of a small gas distributing centre, like the one at the D.P. Works depends considerably on the availability of bulk gas consumers such as Hopistals, restaurants, Hotels and housing sponsored by Co-operative Societies.

### (*b*) High Pressure Gas Compressor.

The H. P. Gas Compressor worked satisfactorily during the year. The "Gulley Emptier" vehicle of the Drainage Branch continued to work satisfactorily on compressed washed sludge gas. This has saved petrol consumption of about 1,472 gallons representing a saving of Rs. 3,600.

### (*c*) Gas Engines.

The gas engines worked satisfactorily during the year. The engines ran for 3,000 hours generating 141,731 K.W.H. which resulted in a reduction of about Rs. 5,800 in the amount payable to the B. E. S. & T. Undertaking.

86. *Sludge drying beds and Sludge manure.*—The tempo of "Grow More Food" campaign increased the demand for sludge manure. The manure was sold at Rs. 11-4-0 per 100 Cu. ft. as against Rs. 4 per 100 Cu. ft. in the previous year. The revenue realised by sale of manure during the year amounted to Rs. 3,880 giving an increase of about Rs. 800 over the figure of the previous year. Every year about 20 Brass of sand costing about Rs. 600 are required to be spread over the drying beds to make up for the loss of sand during the sludge drying operations. During 1952-53, as an experimental measure, the sand recovered from Sewage was used for this purpose. The results obtained so far, are satisfactory. If this measure is ultimately found successful, the use of sand reclaimed from sewage will result in a saving of about Rs. 6,00/- per year.

87. At the Sewage Works Laboratory, about 7,000 sewage samples were examined during the year. In addition to the routine work, the Laboratory continued its research on animal dung digestion. The 2,000 gallon dung-digester was operated throughout the year.

88. In view of the increasing gas supply for domestic consumption, a new section of the laboratory was opened to enable testing of gas-meters according to standard specifications. Preliminary experiments were undertaken to study the composting of City Refuse with Digested Sludge—a by—product of Digestion Tank.

89. The work of filling the low-lying lands round about the third Extension Plant progressed considerably. This has not only solved the flooding problem, but has also minimised the effects of mosquito nuisance.

90. *Repairs Workshop.*—A small repairs workshop shed was under construction for carrying out minor repair jobs. The machinery was purchased and would be installed shortly.

91. The total expenditure on power, Stores, Laboratory establishment etc., for the Purifications Plant Sewage Pumping Station, Digestion Tanks and other gas utilization systems amounted to Rs. 2,30,780.

92. *Dadar Pumping Sation.*—The quantity of sewage pumped by Dadar Pumping Station during the year amounted to 1175.44 million gallons. The total units consumed were 252,688 K.W.H.

93. *Sewage Purification Works, Dharavi.*—The Civil and Mechanical work of Purification Works, Dharavi were completed at the close of the year. Trials are being taken and the plant will be brought into commission shortly. This plant has been designed to give complete treatement to 5 millon gallons per day Sewage Flow with bio-filters. The work of laying 6" C. I. pipe line for supplying sludge gas to consumers in Sion Area to Municipal General Hospital Sion, was in progress.

## IV.—DRAINAGE SCHEMES

### Dharavi Purification Works

94. All the remaining electrical and mechanical machinery for the Plant was received during the year and duly installed. The work of installing new pumps at the Mahim Pumping Station, the sewage from which would be carried to the Dharavi Purification Works was also completed. The Plant was ready for operation.

### Love Grove Pumping Station.

95. The two sulzar pumps at Love Grove each having a capacity of 56 million gallons per day worked satisfactorily during the year. As a part of the Scheme the R. C. C. Ducts for conveying the sewage to the steam pump house were also completed satisfactorily and put into commission. Tenders for the construction of the detritus tanks and the duct following it were invited and the work will be taken in hand next year.

## MECHANICAL BRANCH EXCEPT DADAR PURIFICATION WORKS AND SUBURBS

### I.—Pumping Stations.

96. The sewage from the sewerage system of the City was pumped through 13 pumping stations; 5 of which, *viz.*, Love Grove, Dadar, Matunga, Mahim and Jacob Circle are major pumping stations and the remaining secondary pumping stations. The number of the former will increase to 7 when the two new pumping stations, *viz.*, one at Tulsi Pipe Line Road and the other at Dharavi which have since been constructed are put into operation. The number of the secondary pumping stations will increase further when the contemplated pumping stations at Chowpatty, Chinchpokli and the one under construction at Globe Mill Passage, to replace the existing ejectors thereat, are ready for operation.

97. All the pumping stations worked satisfactorily, throughout the year. Statistical information showing the working of the stations is given in the Appendix 'I'.

**Love Grove Pumping Station.**

98. The two new Sulzer pumps of Horizontal type, each of 56 million gallons per day capacity, provided at the Love Grove Pumping Station, worked satisfactorily. The total amount of sewage pumped out by these pumps during the year under report was 21152.4 million gallons, (58 million gallons per day).

99. The outfall sewer at Worli was inspected on four occassions during the year and no further deterioration in its condition was observed.

**Dadar Pumping Station.**

100. This station worked satisfactorily during the year. The 4 new pumps for which an order was placed have since arrived and the erection thereof will be taken in hand during the year 1953-54.

**Matunga Pumping Station.**

101. This pumping station worked satisfactorily during the year. The work on the extension of this pump house also progressed satisfactorily. The civil engineering works have been completed. The two new pumps, one of 6 million gallons per day capacity and the other of 3 million gallons per day capacity ordered, have been received and will be erected during 1953-54.

**Mahim Pumping Station.**

102. The two new pumps of 4.3 million gallons per day capacity for which an order was placed, have since arrived and will be erected during 1953-54. The station continued to suffer for want of adequate pumping capacity.

103. Considerable difficulty was experienced in removing the silt accumulating at the bottom of the sumps of the various stations due to tremendous increase in the quantity of silt finding its way in the sewers. Silt at some of the stations was removed by agitating the sewage with compressed air. At other places these operations had to be carried out manually during the non-peak load periods, which normally occur between 10 P.M. and 5 A.M., by sending men down the sumps. In the design of the new pumping stations, provision is being introduced for getting sumps cleaned mechanically so that the sump wells can be cleaned even at the time of peak load flows, if necessary, without the aid of manual labour.

### II.—Compressor Stations.

104. The electrically driven air compressor stations at Victoria Gardens, Fergusson Road, Colaba and Warden Road worked satisfactorily during the year under report. Statistical information about their working is given in Appendix 'J'.

105. When the additional pumping stations, both major and secondary, which are either under construction or under contemplation, are brought into commission, the load on the transofmrers installed at these Compressor Stations would be reduced and it would be possible to spare some of them for use elsewhere.

106. The new rotary air compressor ordered for the Warden Road Air Compressor Station was received and installed; but due to some mechanical faults observed during trial runs certain parts of the machinery are being replaced by the contractor.

107. As mentioned in the previous report, surcharging of sewers takes place in the areas served by the Warden Road Ejector and the pumping station thereat will continue to function till the scheme of laying a gravitation sewer, sanctioned by the Corporation, is put into execution.

### III.—Ejector Stations.

108. 21 Ejector stations serving the Southern, Central and Northern areas of the City continued to operate for lifting sewage from the low lying areas with the help of the compressed air supplied by the four compressor stations mentioned above. Appendix 'K' gives the details of all the ejectors in the City.

109. Most of these ejectors have served their useful life. Further, their capacity is found to be inadequate to cope with the peak load flows reaching them. A programme has therefore been prepared to replace some of the old ejector stations by electrically driven ones wherever possible. Where it is not possible to do so, it is proposed to replace the existing vessels of the ejector stations by new ones of larger capacity. The following ejector stations will be replaced by the pumping units, during the course of the year 1953-54.

110. *DeLisle Road and Fergusson Road Ejectors.*—These ejectors will be closed down, when the new pumping station at Tulsi Pipe Line Road is brought into operation. This new pumping station is expected to start functioning by July 1953.

111. *E'ector at Globe Mill Passage.*—This ejector will be replaced by a pumping station. The work of constructing the pumping station was takens in hand. It is expected to be completed before the end of the year 1953.

112. *Ejector at Chinchpokli.*—Provision for a pumping station at Chinchpokli was made in the Budget Estimates for 1952-53. The work could not be started as vacant possession of land was not available.

113. *The New Pumping Station at Church Street.*—The work of replacing the existing ejector station at Church Street by a pumping station for which sanction has already been accorded by the Corpoation,could not be proceeded with due to the high rent for land demanded by the Bombay Port Trust.

114. The total expenditure incurred on the maintenance of Compressor and Ejector Stations amounted to Rs. 2,34,071.

## IV.—Floodgates.

115. There are three floodgates and five drop gates at Love Grove, two floodgates with eight needle gates at cleveland Bunder and three wooden needle gates at Dharavi. The cost of maintenance of the flood-gates during the year amounated to Rs. 5,092

## V.—Inspection of Factories.

116. Total number of permits and licence cases inspected and disposed of during the year was 352 19 nuisance cases were also attended to. Surprise visits were paid to several factories to find out if they were authorised. Two cases were detected and were referred to the Asstt. Health Officers of the Wards concerned, for taking necessary action. No notices were issued under Section 392 of the Bombay Municipal Corporation Act. Total number of the cases inspected was 371. Each factory, Workshop and workplace was inspected on more than three occasions.

## VI.—Motor Traction.

117. The expenditure under IX.—Mechanical, (*b*) Transport, I.—Inspection and Supervision amounted to Rs. 43,108 during the year.

There were 454 vehicles in commission against 344 in the previous year and the expenditure incurred on their running during the year is given below:—

| No. of vehicles | Description of cars and lorries | | Expenditure |
|---|---|---|---|
| | | | Rs. |
| 6 | Inspection Cars | ... | 23,228 |
| 4 | Hearses | ... | 15,493 |
| 5 | Ambulances | ... | 25,641 |
| 388 | Refuse lorries, Fergusson tractors, Moto-carts, Mechanical Horses and trailers, Karrier Bantam trucks etc. | ... | 7,76,471 |
| 10 | Silt lorries | ... | 32,571 |
| 4 | Halalkhore | ... | 23,563 |
| 6 | Encroachment | ... | 26,909 |
| 4 | Offal | ... | 1,19,162 |
| 18 | Meat Vans | ... | |
| 2 | Removal of Stall Boards | ... | 1,834 |
| 1 | Delivery Van | ... | 3,181 |
| 2 | Station wagons for miscellaneous services (originally purchased for milk distribution scheme). charges for these vechicles are debited to the grants where they are used | ... | |
| 1 | A. and C. Department | ... | 4,498 |
| 3 | For paymaster | ... | 4,963 |
| 454 | | Total ... | 10,57,514 |

118. The increase in the fleet is mainly due to the implementation of the three year programme for improving the methods of collection and removal of refuse in the City.

119. The scheme for constructing a Central Garage, near Worli, for housing all the vehicles at a central place for which administrative approval of the Corporation was obtained under Corporation Resolution No. 1594, dated the 10th March 1949 was deferred due to financial stringency.

## VII.—Refrigeration Plant at A. C. Market

120. The new Refrigerator plant at A. C. Market worked satisfactorily during the year under report.

## VIII.—Municipal Workshops

121. The total expenditure on departmental and private works carried out in the Municipal Workshops during the year amounted to Rs. 5,80,795 as against Rs. 5,72,075 in the previous year.

122. The expenditure on the upkeep and overhead charges of the Workshops amounted to Rs. 1,26,795 This gave 21.83 per cent. incurred on labour and stores against 17.03 per cent. for the preceding year.

123. Most of the works in connection with the installation of the foundry were completed. The total out put during the year, with the rates of castings, is given below :—

| Type of castings | Total production | | | | Total Cost | | | Average Rate | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ton. | Cwt. | Qr. | Lb. | Rs. | a. | p. | Rs. | a. | p. | |
| (1) Gun metal ... | 3 | 9 | 3 | 6 | 8,856 | 10 | 0 | 1 | 2 | 1½ | per lb. |
| (1A) Copper ... | ... | 1 | 3 | 12½ | 235 | 2 | 0 | 1 | 2 | ½ | Do. |
| (2) Aluminium ... | ... | 11 | 2 | 20½ | 1,325 | 9 | 0 | 1 | 0 | 2½ | Do. |
| (3) Cast Iron (oil-casting) ... | ... | 3 | ... | 10½ | 140 | 12 | 0 | 0 | 6 | 6 | Do. |
| (4) Cast Iron (Water casting) ... | 24 | 16 | 3 | 16¾ | 8,695 | 10 | 0 | 17 | 8 | 0 | per cwt. |
| (4A) Do. non-machinable (manhole frames and covers) ... | 48 | ... | ... | ... | 11,900 | 0 | 0 | 59 | 8 | 0 | each manhole. |
| Total ... | 77 | 3 | ... | 20 | 31,153 | 11 | 0 | | | | |

124. These rates compare very favourably with those of the outside manufacturers. The quality of the municipal foundry products was also very superior to outside castings. Most of the castings, required by the various departments, including C. I. Manholes, required for departmental works and for supplying to Municipal Contractors for the execution of Municipal Drainage Schemes, are now being manufactured in the Municipal Foundary.

## IX.—General

125. The recommendations of Messrs. Ibcon Ltd., with regard to improving the working of the Municipal Workshops are being implemented.

## I.—CONSTRUCTION BRANCH

126. This Section is charged with the execution of works provided in the Loan Works Budget 'A' and 'B' which are carried out mostly by contract, excepting small works which can conveniently be carried out departmentally. Prior to the year under report this Section was divided into two parts for looking after the construction of (1) roads, drains, sewers, pumping stations etc., under the Works Branch and (2) School buildings, fire brigade stations, markets, hospitals, tenements etc., under the Architectural Branch. During the year under report the working of these Sections was amalagmated. The details of works carried out by amalgamated Section out of funds provided in the Loan Works Budgets 'A' and 'B' during the year under report are detailed in Appendices marked 'M', 'N', 'P', 'Q' and 'R'. The total expenditure booked during the year on construction of (*i*) Roads, Footpaths, Storm Water Drains, Sewers including Pumping Stations and other miscellaneous works and (*ii*) School buildings, fire brigade stations, markets, hospitals, crematorium and tenements etc. amounted to (1) Rs. 13,05,891 and (2) Rs. 8,61,084 respectively, as against Rs. 30,98,008 and Rs. 6,02,497 during the previous year.

### (*i*) Sewers.

127. The work of laying main gravitation sewer in Sewri Wadala was completed during the year except for about 300 R.ft. of ovoid sewer for which tenders are received and work will be undertaken shortly. Tenders for 48" and 42" sewers to be laid for diverting the Wadala Pumping Station to Dharavi were invited by the end of the year. The works of laying the rising main and the 21" gravitation sewer from Sion Pumping Station upto the main gravitation sewer laid last year at Dharavi were in progress. This will enable the sewage from the Sion Pumping Station to be taken to the new Dharavi Purification Works instead of to the Dadar Purification Works as at present. Some of the sewage from the Poibavdi area draining at present to Love Grove can then be diverted to Dadar Purification Works for treatment,

128. A scheme costing Rs. 1,19,08,087 for improving the sewerage system of the City was approved by the Corporation under their Resolution No. 492, dated the 5th August 1948. Under the scheme, the 6'-0"× 9'-0" all concrete ovoid sewer was continued further upstream, and a length of about 3,500 ft. including the 2,170 ft. length just taken in hand last year was completed. Tenders for extending the sewer from Tardeo Chowk upto Lamington Road junction Falkland Road could not be invited due to paucity of funds. However, considerable relief was effected in keeping down surcharging of existing sewers even by the length of the new sewer completed so far and steps are now being taken to reduce the staff employed on cleaning the sewers in the City.

129. The construction of the remaining downstream length of the sewer from the new Pumping Station at Globe Mill Passage to the Pumping Station at Love Grove was in progress during the year.

130. The work of laying the sewer along Grant Road to interconnect the two existing main sewers running along Falkland Road and Balaram Street respectively was in progress. When this is completed considerable relief is excpeted in the surcharging of the sewer in the thickly congested areas of C and D Wards due to the relief in the bottleneck between corner of Grant Road and junction of Foras Road and Falkland Road.

### (*ii*) Storm Water Drains.

131. The scheme of providing storm water drains in the City comprises of (1) Providing under ground Storm Water Drains in lieu of the existing open side drains and (2) Providing storm water drains in certain roads where no storm water drains exist. The Schemes were approved by the Corporation under their Resolutions Nos. 809, dated the 8th December 1942 and 905 dated the 7th January 1943 respectively. The imple-

mentation of the works embodied in the Schemes depended upon the extent of funds provided from year to year. The works mentioned below were in progress during the year under report:—

(1) (*a*) Providing storm water drain in Caroll Road (Portion).
(*b*) Laying storm water drains in Sewri Road between Jackeria Bunder 3rd and 4th Lanes.
(*c*) Porviding storm water drains in (1) Katrak Road between Naigaum Cross Road and Tilak Road and (2) Naigaum Cross Road from the junction of Katrak Road to the existing Storm Water Drain in Naigaum Cross Road.

(2) (*a*) Providing storm water drain in University Road.
(*b*) Providing storm water drain in Carrol Road (2nd portion).
(*c*) Providing storm water drain in the passage off Mount Road.

132. The expenditure booked on these two schemes during the year under report amounted to (1) Rs. 67,427 and (2) Rs. 27,415 respectively.

### (*iii*) Covering of the open Storm Water Channels in the City.

133. Due to paucity of funds no progress in implementing schemes could be made except for the covering of a length of 1000' of the open channel from the Dadar Purification Works towards Elphinstone Road which was nearing completion.

### (*iv*) Roads.

134. Excepting the concreting of Sleater Road from Nana's Chowk to Grant Road Railway Station no roads for permanent construction of which expenditure is debited to Loan Works Budget 'A' were undertaken during the year under report due to paucity of funds. The works of permanent construction of roads debitable to Loan Works Budget 'B' are detailed in Appendix M.

### (*v*) Foot-paths.

135. Due to paucity of funds this scheme could not be pursued further. However, the construction of foot-paths at most of the places where these were an urgent necessity have been completed except such places where the width of the road is narrow on account of the set-backs on the opposite side being not yet acquired.

### (*vi*) Traffic Islands.

136. The important inter-sections of roads where traffic islands have been provided since the inception of this scheme numbered 84 at the close of the year. Appendix 'R' shows the total number of traffic islands constructed in the City and includes 10 additional traffic islands from Serial Nos. 85 to 94 provided during the year under report. At the close of the year, traffic islands at the following inter-sections of roads were in progress.

(*i*) Traffic island at the junction of Mount Road and Victoria Gardens Road.
(*ii*) Traffic island at the Mint Road, Ballard Road and Sir Pherozshah Mehta Road.
(*iii*) Refuge islands at—
(*a*) Keshavji Naik Road junction Sandhurst Road.
(*b*) Dr. Meisheri Road junction Sardar Vallabhbhai Patel Road.
(*iv*) Extending the central reservation at the junction of Wittet Road and Fort Street.
(*v*) Refuge island at the junction Masjid Bunder Road and Frere Road.
(*vi*) Channellising island along Cruickshank Road South of main traffic island at Dhobi Talao.

137. The traffic island at the junction of Cadell Road and Old Parbhadevi Road was sanctioned to be carried out, but on reconsideration of the traffic movements at the junction, the same was found to be unessential and was therefore treated as dropped.

### (*vii*) Sea Wall.

138. As sanctioned by the Corporation under their Resolution No. 1756, dated the 10th February 1950 about 925' R.ft. of the work of extending sea wall at Worli, Scheme 58, has already been completed, out of the total length of 2,350 R.ft. Tenders for the construction of further 650 R.ft. of sea wall were approved *vide* Standing Committee Resolution No. 2729, dated the 31st March 1953 and the work would be started next year.

### (*viii*) Hill Cutting.

139. (1) *Gollanji Hill.*—The work of cutting a portion of the Gollanji Hill and widening King Edward Road to its full sanctioned width of 80' which was in progress by contract has been completed during the year under report. An expenditure of Rs. 7,31,014 was so far booked on this work.

140. (2) *Worli Hill.*—The work of cutting the Western slopes of Worli Hill, Scheme 58 (Extension) which was started in 1951 was completed in respect of the first Section while further work in respect of the second section was in progress. Tenders were invited for cutting the third section estimted to cost Rs. ..... and the work in this section was in hand simultaneously with the work in the second section during the year under report. Also the work estimated to cost Rs. 4,51,566 of filling in low lying land where further portion of Abdul Gaffar Khan Road is to be constructed was in progress, the filling being done with the over burdened earth obtained from Worli Hill.

### (*ix*) Swimming Pool.

141. The work of constructing a Swimming Pool at Shivaji Park to commemorate the meory of Mahatma Gandhi which was started in the year 1951-52 was completed and the pool was handed over to Shri Golwalla on contract basis for management and was formally opened to public on 27th April 1952. There are some savings in the estimated cost of the work and the same would be utilized fo giving more amenities to the public visiting the pool.

142. The staff quarters for the employees employed at the site of the work were also completed during the year under report.

## II.—MAINTENANCE SECTION

### REPAIRS AND MAINTENANCE OF ROADS AND FOOTPATHS

#### (*i*) Roads.

143. The total length of roads in the City at the close of the year was 280.891 miles. The classification of roads (excluding footpaths)showing the mileage and areas to be mainteaind and the expenditure incurred in maintaining the different types of carriageways during the year is given in the following statement:—

STATEMENT 'A'

| Serial No. | Kind of Road | Mileage | | Total Area | | Area resurfaced during the year | Expenditure for resurfacing in the year | Cost per 100 S. ft. |
|---|---|---|---|---|---|---|---|---|
| | | At the beginning of the year | At the end of the year | At the beginning of the year | At the end of the year | | | |
| | | | | Sq. yds. | Sq. yds. | Sq. yds. | Sq. yds. | Rs. |
| 1 | Waterbound roads ... | 3.638 | 3.718 | 63,212 | 63,767 | ... | ... | ... |
| 2 | Bituminous roads ... | 172.896 | 172.516 | 32,15,980 | 32,09,070 | 2,09,633 | 4,87,539 | 25.84 |
| 3 | Sheet Asphalt Roads ... | 51.910 | 51.910 | 12,04,375 | 12,04,575 | 27,000 | 1,16,535 | 47.95 |
| 4 | Concrete Roads ... | 34.073 | 35.613 | 5,97,071 | 6,59,971 | 756 | 14,994 | 22.37 |
| 5 | Set-paved roads ... | 9.664 | 9.644 | 1,59,310 | 1,59,310 | 3,960 | 1,59,805 | 79.33 |
| 6 | Katcha Gully ... | ... | 7.49 | ... | 98,885 | ... | ... | ... |
| | Total ... | 272.181 | 280.891 | 52,40,148 | 53,95,578 | 2,41,349 | 7,78,873 | |

144. On a rough survey it appeared that there are some discrepancies in the mileages and areas of the roads and footpaths as per statements 'A' and 'B' carried forward from year to year.

145. An actual survey would be undertaken in this respect and the results would be reported next year.

### ROADS OF PERMANENT CONSTRUCTION RENEWALS OF SURFACES

146. The total area of road surfaces renewed during the year with 3" sheet asphalt and recondo process was 36,132 sq. yds. at a total cost of Rs. 3,68,213 as shown in Appendices 'S' and 'T'

147. In addition to this, an amount of Rs. 2,73,156 was spent on repairs to pot holes on carriageways including cost of ordinary and bituminous patching. General, Overhead and Miscellaneous charges(which included charges for bringing of stores, removal of encroachment and such other miscellaneous charges, which could not be included in the expenditure directly incurred on the road repairs) amounted to Rs. 1,66,877, Rs. 1,13,488 and Rs. 28,798 respectively. The percentage of these charges including ward establishment over the direct expenditure on road repairs and departmental and private works carried out by the road maintenance branch worked out to about 13.87 per cent.

148. The position of supply of road materials improved considerably during the year.

149. The work of maintenance of the roads was generally satisfactory throughout the year. A total area of 7,37,010 sq. yds. of the different types of the road surfaces was improved during the year as detailed below:—

| | Sq. yds. |
|---|---|
| (1) Sheet Asphalt ... | 54,647 |
| (2) Chips coat on Asphalted road laid by Asphalt Plant ... | 38,030 |
| (3) Recondo Asphalt (By Recondo Ltd.) ... | 12,875 |
| (4) Semi-grouting ... | 94,017 |
| (5) Surface Dressing ... | 5,37,441 |

#### (*ii*) Footpaths.

150. The total length and area of the different types of footpaths in the City at tne end of the year are given in the following statement:—

STATEMENT 'B'

| Serial No. | Kind of footpath. | Mileage | Area in Sq. yds. | Expenditure for the repairs and maintenance in the year. |
|---|---|---|---|---|
| 1 | Bituminous Surface ... | 72.56 | 4,07,114 | 5,752 |
| 2 | Blue Stone pavement ... | 63.54 | 4,04,715 | 6,590 |
| 3 | Precast slab pavement ... | 13.10 | 1,46,565 | 200 |
| 4 | Concrete cast in situ ... | 15.24 | 84,685 | 207 |
| 5 | Asphalted surface ... | 0.96 | 9,544 | 6,584 |
| 6 | Shahabad Slab ... | 84.66 | 4,99,008 | 1,800 |
| 7 | Katcha footpath ... | 33.48 | 4,77,039 | 437 |
| | | | Total ... | 21,570 |

151. The work of asphalting footpaths as approved by the Corporation under their Resolution No. 985 dated the 25th January 1951 was continued during the year and footpaths of 18 roads covering an area of 46,148 sq. yds. were asphalted at a cost of Rs. 1,42,764.

### (iii) Road Watering.

152. Water bound roads and kutcha footpaths covering an area of 1,58,970 sq. yds. were watered twice every day during the dry season and the expenditure incurred thereon amounted to Rs. 4,148.

### (iv) New Roads and Footpaths.

153. No new roads or private street were taken over for maintenance during the year.

### (v) Street Name Boards.

154. 18 new street name boards were provided during the year. Total expenditure incurred on providing the new street name boards and on repairing and maintaining the existing ones amounted to Rs. 1,495

155. No new statues or public monuments were taken over for maintenance during the year under report.

156. All the statues were periodically cleaned and maintaind in tidy conditionn at a total cost of Rs. 2,979-7-0. The question of removal of the statue of H. M. Queen Victoria at Mahatma Gandhi Road to the Museum at Victoria Gardens was being considered. The use of the site of the existing statue for other purposes would depend upon the decision of the Government of Bombay.

### (vi) Widening of Road consequent upon Acquisition of Set-backs.

157. The cost of adding to roads the set back lands acquired in the different parts of the City inclusive of the cost of incidental works, such as, shifting tram-poles, electric cables, gas or electric lamps, water etrances, etc., amounted to Rs. 99,475-9-0. The total area thus added to the road during the year was 5,590 sq. yds.

### (vii) Private and Departmental Works.

158. 411 works were carried out for various private parties at a total cost of Rs. 1,15,572 and 657 works were carried out for other Municipal departments at a total cost of Rs. 6,84,153...

## ROAD ROLLERS

159. In the beginning of the year under report there were 45 Road Rollers on the register and during the year, 4 New ones were purchased as shown below :—

| No. of rollers purchased during the year | Type of Rollers | | Tonnage |
|---|---|---|---|
| 3 Nos. | Advance (Diesel) | ... | 3 |
| 1 No. | Tata Marshall (Diesel) | ... | 8 to 10 |

160. Thus, in all, there were 49 rollers on the register during the year. Out of these 3 are petrol driven, 23 diesel driven, and 23 steam driven, including 2 Tandem Diesel and 3 Steam Rollers for Asphalt Plant and 1 Diesel Roller of Vaitarna-*cum*-Tansa Scheme. The details of the Road Rollers are given as below :—

(*a*) 3 Wheel Rollers, (*b*) 2 wheel Tandem Rollers, (*s*) Steam, (*d*) Diesel Roller, (*p*) Petrol Rollers.

| Work | Type of Roller | On Register | | | Total | Under heavy repairs | Scrapped | In Service | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Steam | Diesel | Petrol | | | | Steam | Petrol | Diesel | |
| Ordinary work ... | (*a*) 3 Wheeler ... | 20 | 19 | 2 | 41 | 3 | *Nil.* | 17 | 19 | 2 | 38 |
| | (*b*) 2 Tandem ... | ... | 1 | 1 | 2 | 1 | 1 | ... | ... | ... | ... |
| Road work at Vaitarna | (*a*) 3 Wheeler ... | 1 | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 |
| Asphalt Plant ... | (*b*) Tandem ... | 3 | 2 | ... | 5 | 1 | ... | 2 | 2 | ... | 4 |
| | Total ... | | | | 49 | 5 | 1 | | | | 43 |

161. The Tandem Diesel Roller No. 4/9 was scrapped during the year.

162. 2 Wheeler Asphalt Plant Tandem Roller No. 16, 2 Wheeler Petrol Roller No. 34-2½ and 3 Wheeler Steam Roller Nos. 7/10, 8/10 and 29/15 tons were under heavy repairs.

## MOTOR TRACTION

163. The total number of motor vehicles (lorries and trucks) earmarked for transport of road materials was 27 at the commencement of the year including 2 lorries which were under repairs. Three lorries remained idle during the half of the year due to non-availability of necessary spare parts. Thus there were about 24 vehicles (16 lorries 4/5 tons and 8 trucks 1½ ton to 2 tons) available for road works.

164. In October 1952, six new Leyland Comet Diesel Engine Lorries (3 way tipping) were added to the above fleet.

165. In emergency, some lorries had to be diverted to haul town refuse and also transport of meat from the Bandra Slaughter House when there is a heavy slaughter. Most of the lorries were utilized for the work of asphalting roads, supplying crusher metal to wards and hauling debris, and earth in the wards. Works of special nature such as distribution and collection of ballot boxes and papers during the Municipal General Elections in March 1952, removing squatters and their hutments from the City to colonies at Mankhurd and Jogeshwari in the fair season and clearing municipal cement and C.S. pipes from the docks and Railway Goods Yard during the days of City Transport Owners' strike against vehicle tax, etc., were also carried out by the lorries.

166. On account of the heavy demand from various departments, lorries had to be hired on an annual contract basis upto a maximum requirement of 35 to 40 vehicles per day from outside agency.

167. The total mileage done during the year by Municipal vehicles was 2,12,272 miles by 4 to 5 ton tipping lorries and 53,687 miles by the 1½ to 2 ton trucks, the total mileage being 2,65,959 miles.

168. The rates charged to various departments during the year were as follows :—

(1) annas 12 per mile for 4/5 ton lorries and annas 10 per mile for 1½ to 2 ton trucks (for removal of earth, debris and other materiasl).

(2) A flat rate of Rs. 4-8-0 per brass for transport of metal from Municipal crushers at Worli and Sewri to any part of Greater Bombay.

(3) A flat rate of Rs. 3-8-0 per brass for hauling rubble to crushers from Municipal stock lying in the ex-Trust Scheme at Worli.

169. The total expenditure incurred during the year on the working of the lorries and trucks amounted to Rs. 1,55,531 and the charges recovered from the various departments for the work done on this acccunt amounted to Rs. 1,89,582-2-0.

## PERMITS

### (a) Opening Roads and Footpaths

170. During the year, 105 permits were issued for excavation in roads and footpaths. The cost of reinstatement of the disturbed surface was in all instances charged to the respective permit holder. The following return shows the department or other concerns responsible for such opening, and gives length in running feet and areas in square feet of the trenches restored. They were repaired at a total cost of Rs. 6,43,878 which was borne by the parties concerned.

| Departments | Length of the trenches | Area | Cost |
|---|---|---|---|
| | R. ft. | Sq. ft. | Rs. |
| (1) Water Department ... | 52,042 | 1,05,695 | 1,56,333 |
| (2) Drainage Department ... | 8,687 | 19,813 | 32,218 |
| (3) The Bombay Gas Co. Ltd. ... | 6,244 | 12,782 | 28,827 |
| (4) The B. E. S. & T. Undertaking ... | 54,068 | 1,46,125 | 2,25,384 |
| (5) Indian Posts and Telegraphs ... | 56,438 | 93,732 | 1,60,585 |
| (6) Lighting Department ... | 4,194 | 5,086 | 14,114 |
| (7) Miscellaneous Agencies ... | 8,513 | 6,163 | 26,417 |
| Total ... | 1,90,186 | 3,89,396 | 6,43,878 |

171. The total amount of road opening fees recovered during the year amounted to Rs. 22,506.

172. (*b*) Action under Section 322(*b*) of the Municipal Act, was taken to prevent unauthorised occupation of roads with building materials. 173 notices were served for contravening the provisions of the Act.

173. Fees were recovered for the use of roads for stacking building materials and putting up scaffoldings The total receipts under this head amounted to Rs. 48,006 for 736 permits.

(*c*) Temporary letting of roadside lands and portions of footpaths including awnings.

174. Ground rent recovered on account of (1) temporary lettings of roadside lands and footpaths, (2) the erection of petrol tanks, and pumps and (3) other occupations for miscellaneous purposes amounted to Rs. 57,724.

175. (*d*) The following table gives the number of permits issued for different purposes and the amounts recovered therefrom :—

| Particulars | No. of permits issued | Amount recovered |
|---|---|---|
| | | Rs. |
| Mandaps ... | 353 | 7,160 |
| Chairs and benches ... | 719 | 4,260 |
| Holi ... | 78 | Free |
| Ganpati ... | 38 | " |
| Moharrum ... | 271 | " |
| Navaratri ... | 28 | " |
| Total ... | 1,487 | 11,420 |

176. The total number of benches on roads and footpaths maintained during the year was 878 and the cost of maintenance amounted to Rs. 435. No new benches were provided during the year.

## TRAMWAYS

177. No additions were made to the total length of the tram tracks during the year. The total length of the double tram tracks was 27.41 miles and single tracks 1.597 miles.

178. In accordance with the Corporation Resolution No. 4313, dated the 7th October 1915 the following information regarding the rolling stock was obtained from B. E. S. & T. Undertaking for the year under report:—

| Type of cars | | No. | Seating capacity of each | Total seating capacity. |
|---|---|---|---|---|
| Bogies Single Deck | ... | 3 | 60 | 180 |
| Bogies (American) | ... | 25 | 60 | 1,500 |
| Bogies Double Deck | ... | 108 | 112 | 12,096 |
| Do. | ... | 1 | 124 | 124 |
| Do. | ... | 1 | 118 standing) | .... |
| Do. | ... | ... | 100 | 100 |
| Do. | ... | 23 | 110 | 2,530 |
| Single Truck Trailors | ... | 79 | 78 | 6,162 |
| Do. | ... | 12 | 98 (24 standing) | 1,176 |
| Do. | ... | 2 | 72 | 144 |
| Do. | ... | 49 | 70 | 3,430 |
| Do. | ... | 3 | 74 | 222 |
| Do. | ... | 3 | 74 | 222 |
| Do. | ... | 1 | 66 | 66 |
| Trailors (Standard) | ... | 25 | 36 | 900 |
| Trailors (Americans) | ... | 1 | 38 | 38 |
| Do. | ... | 24 | 44 | 1,056 |
| | Total ... | 360 | | 29,946 |

179. The total number of tram shelters existing at the end of the year was23 including the six erected during the year.

180. The total number of Bus shelters with or without roofs was 181 including 34 erected during the year.

## PUBLIC STREET LIGHTING

181. The streets of the City were lighted with Gas, Electric and Incandescent Oil Lamps.

182. The total number of lamps in the City at the end of the year was, 11,638 which exceeded the corresponding figure of the previous year by 19. The details of the different types of lamps are shown as below:—

**Gas Lamps.**

| Hexagonal. | Bombay | Littleton | Rochester. | Traffic Directional | Total |
|---|---|---|---|---|---|
| 3,561 | 161 | 4,043 | 482 | 120 | 8,367 |

**Electric Lamps.**

| Tungston Filament lamps | Flourscent lamps | Mercury vapour lamps | Sodium Vapour lamps | Total |
|---|---|---|---|---|
| 2,564 | 24 | 549 | 30 | 3,167 |

| | |
|---|---|
| Incandescent Oil Lamps. | 104 |
| Grand Total ... | 11,638 |

183. In addition 16 Policeman's Spot Lights and 12 lamps on Railway Foot over Bridges at Chowpatty, Byculla and Dadar were maintained.

184. The candle power of the gas lamps varied from 70 to 1,300 and that of electric lamps from 25 to 1,145. 18 Lt. Rochesters High Powered Gas lamps were replaced by 250 watts. Mercury Vapour lamps on grounds of economy.

185. The following statement shows the total candle power of the lamps, energy consumed, and expenditure incurred on account of the maintenance etc., during the year. On an average 6,37,400 cubic feet of gas and 6,556 killo watt units of electricity were consumed per day as against 6,85,190 cubic feet of gas and 5,793 killo watt units of electricity per day during the previous year:—

| Kind of lighting | | Candle Power | Total Consumption during the year | Expenditure for Lighting Rs. |
|---|---|---|---|---|
| Gas | ... | 19,77,760 | 23,38,98,000 C.ft. | 10,83,485 |
| Electric | ... | 8,09,162 | 24,05,900 K.watt | 6,06,704 |
| Incandescent Oil Lands | ... | 41,600 | | 41,825 |

186. An expenditure of Rs. 2,31,658 was also incurred on the following items :—

(1) Erection of New Lamps.
(2) Repairs and Maintenance.
(3) Miscellaneous
(4) Works of improvement in street lighting.

187. As usual Rs. 1,60,550 and Rs. 43,680 were paid to the Bombay Port Trust on account of the Lighting of wharfs and roads in the ir charge by adjustment against the amount due from them in respect of General Tax for the year under report.

188. The works of lighting and maintaining the street lamps were done through the following contractors :—

| Kind of lighting | | Name of Contractors |
|---|---|---|
| (1) Gas Lighting | ... | Messrs. Bombay Gas Co. Ltd. |
| (2) Electric Lighting | ... | The B. E. S. & T. Undertaking. |
| (3) Incandescent Oil Lighting | ... | Messrs. The Anderson Dawn & Co. |

189. During the year under report, the lighting of the following roads was improved :—

(1) Victoria Road.
(2) Haines Road (work is in progress).
(3) Gibbs Road.
(4) Ridge Road.
(5) Walkeshwar Road.
(6) Dr. Annie Besant Road between Hornby Vellard south end to Road No. 10.

190. In the first four cases the improvement was carried out by replacing the existing old types of gas lamps by better types of gas lamps. In the 5th case the improvement was effected by replacing the existing 18 Lt. Rochester gas lamps by 125 watts. M. V. lamps (electric) while that in 6th case, the existing Tungston Filament Electric lamps were replaced by 250 watts. M. V. lamps. Beside this the following intersections had their lighting improveed by providing electric M. V. Lamps :—

(1) Sandhurst Road and Vithalbhai Patel Road.
(2) Sandhurst Road and Charni Road.
(3) Lady Jamshedji Road and Ranade Road.
(4) Chowpatty Sea Face and Marine Drive.
(5) Prarthana Samaj.
(6) Foras Road and Manaji Rajuji Street.
(7) Foras Road and Sukhalaji Street.

191. Replacement of I. O. lamps by Electric lamps was undertaken and completed in respect of the following roads and passages :—

(1) Tulsi Pipe Line Road between Lady Hardinge Road and Mia Mahomed Chhotani Road.
(2) Passage between Sayani Road and New Parbhadevi Road.
(3) Passage between Lady Jamshedji Road and Lady Hardinge Road.
(4) Passage between Gokhale Road (South) and Old Parbhadevi Road.
(5) Passage off Lady Hardinge Road.

## TRAFFIC

192. M. S. Nerurkar who was deputed on study leave to U.S.A. for training in Traffic Engineering returned in the month of August, 1952 and an indent Traffic Section was established under his Supervision. Since the inaguration of the new Traffic Section a good deal of centralization and detailed study of Traffic problem have been possible. The main works that the Section attends to are :—

(1) Appropriate design of Channelization, Rotaries and Refuge Islands.
(2) Obtaining Traffic Volume Counts for determining the various movements of traffic.
(3) Providing pedestrian cross-walklines, both on temporary and permanenrt basis.
(4) Traffic studies for installation of Automatic Traffic Signals in the City.
(5) Parking.

193.—During the year under report the following five proposals were placed before the Traffic Advisory Committee :—

(1) Charni Road junction Queens Road.
(2) Mint Road junction Bazargate Street.
(3) Kalbadevi Road junction Mumbadevi Road.
(4) Colaba Causeway junction Arthur Bunder Road.
(5) Bhau Daji Road junction Telang Road.

194. The first two are approved while the remaining three are under consideration.

195. In addition, proposals for remodelling of traffic islands at the following intersections were placed before the Traffic Advisory Committee and are being finalized :—

(1) Bhulabhai Desai Road junction Nepean Sea Road.
(2) Victoria Garden Road junction Nesbit Bridge.

196. Out of the islands approved by the Committee in 1951-52 works of traffic islands at the following intersections were completed in all respects at a total cost of Rs. 13,124.

(1) Extension of refuge island at Churchgate Street at junction Horniman Circle.
(2) Extension of existing channelising island at Churchgate Street.
(3) Traffic island at Mahatama Gandhi Road junction Medows Street.
(4) Mayo Road junction University Road.
(5) Mayo Road junction Fuller Road.
(6) Falkland Road junction Sandhurst Road.
(7) Gowalia Tank Road junction Forjett Street.
(8) Jakeria Bunder Road—Reay Road.
(9) Dharavi Road junction Sion Agra Road.
(10) Cadell Road junction Old Parbhadevi Road.

## Traffic Volume Counts

197. This data was obtained at 10 important intersections to decide the proper design of islands and to determine the number of lanes and the acquisition of set backs at the junctions.

## Pedestrian Cross Walks

198. Temporary pedestrian cross walks in white paint lines were provided at the following sites :—

(1) Vincent Road junction Lady Jahangir Road.
(2) Hornby Road junction Flora Fountain.

and the permanent cross walks were provided at the following sites :—

(1) 1st Marine Street junction Queens Road.
(2) Princess Street junction Queens Road.
(3) Bharda High School Waudby Road.
(4) New Era High School, Hughes Road.
(5) Cruikshank Road junction Dhobi Talao.
(6) Lamington Road junction Bellasis Road.
(7) Kemps' Corner.
(8) Princess Street junction Girgaon Road.
(9) Princess Street junction Kalbadevi Road.
(10) Marine Drive.

All the works were carried out in consultation with Traffic Department and at their cost.

## Automatic Traffic Signals

199. Detailed study of vehicular and pedestrian traffic at the intersection of Churchgate Street and Mayo Road a very busy and important junction was undertaken to determine the type of fixed time traffic signal. Accordingly the scheme was finalized and quotations have been invited to suit the requirements.

200. In addition to the above Government have sanctioned installation of automatic signals at the following intersections :—

(1) Hornby Road junction Pherozeshah Mehta Road.
(2) Princess Street junction Girgaon Road.
(3) Bhendi Bazar junction Sandhurst Road.
(4) Bhendi Bazar junction Grant Road (J. J. Hospital).
(5) Grant Road junction Lamington Road.
(6) Lamington Road junction Bellasis Road.
(7) Princess Street junction Kalbadevi Road.
(8) Hughes Road junction Harvey Road.
(9) Masjid Bunder Road junction Mahomadalli Road.
(10) Falkland Road junction Lamington Road.
(11) Suparibaug Road junction Curry Road.
(12) Kalachowky Road junction Parel Chawl Road.

201. Necessary traffic studies regarding the volume and characterstics was made in respect of the first six intersections and would be continued in case of the remaining six.

## ASPHALT PLANT

202. The Municipal Hot Mix Asphalt Plant worked throughout the year except the Monsoon period. The plant of the Contractors Messrs. Recondo Ltd., worked for a few days only owing to reduction of work. The labour contract for the running of the Municipal Plant was entrusted to Messrs. Zakir Husain Faruqui & Co., for the year.

203. In all an area of 152371 sq. yds. was repaired or renewed during the year giving an average of 761 Sq. yds. per working day as against an area of 148548 sq. yds. giving an average of 782 sq. yds. per working day during the previous year. The details of areas treated by each Plant are given below :—

| | Area in Sq. yds. |
|---|---|
| *(I) Hot Mix Plant (Municipal)*— | |
| Area renewed or repaired departmentally by Hot Mix Asphalt Plant ... | 1,39,496 |
| *(II) Recondo Plant*— | |
| Area renewed by contract through Messrs. Recondo Ltd., by using Recondo asphalt ... | 12,875 |
| | 1,52,371 |

204. As mentioned in last year's report various footpaths covering an area of 46148 sq. yds. were asphalted with ¾" premixed asphalt carpet over metal foundations.

### Hot Mix Asphalt Plant

205. The Hot Mix Asphalt Plant worked for 200 days during the year. It remained closed for 119 days on account of Monsoon and for 46 days on account of Sundays, Holidays and unforeseen circumstances such as the break-down of the Plant etc.

206. The details of the work done by the Hot Mix Plant during the year are givn below :—

| Serial No. | Description of work. | Area in Sq. Yds. | No. of days. | Average area laid per day in sq. yds. |
|---|---|---|---|---|
| 1 | Renewing the Road surfaces with 3" sheet asphalt ... | 22,627 | 58½ | 387 |
| 2 | Repairs to Capital Roads with 3" sheet asphalt and seal coats etc. | 30,157 | 53 | 569 |
| 3 | Reinstatement of trenches opened by utility Cos. with 3" sheet asphalt ... | 1,863 | 28½ | 65 |
| 4 | Providing ¾" precoated chips over a tack coat of Bitumen Emulsion ... | 38,030 | 26½ | 1,435 |
| 5 | Providing ¾" premixed asphalt Carpet on footpaths ... | 46,148 | 31½ | 1,465 |
| 6 | Providing carpet in the compound of the Central Fire Brigade at Byculla ... | 671 | 2 | 335 |
| | | 1,39,496 | 200 | ... |

207. Expenditure was booked by adopting the following flat rates for the different modes of construction. The rise in the rate is mainly due to abnormal rise in the price of asphalt.

208.

| Serial No. | Mode of construction | Rate per sq. yd. |
|---|---|---|
| 1 | Lying, Spreading and rolling 3" sheet asphalt Major works ... | 9.25 |
| 2 | Trench reinstatement with 3" sheet asphalt ... | 18.00 |
| 3 | 3/4" asphalt sand carpet seal coat ... | 2.85 |
| 4 | 1/2" sand carpet seal coat ... | 1.90 |
| 5 | 3/4" premixed chipping with tack coat of emulsion using 1/2" chips and Grit and dust and Bitumen. | 2.60 |
| 6 | 1" do. do. do. ... | 3.25 |
| 7 | 1½" do. do. do. ... | 4.70 |
| 8 | 2½" Asphalt Macadam ... | 4.82 |
| 9 | 2" do. ... | 3.85 |
| 10 | 1½" do. ... | 2.90 |
| 11 | 2½" Ashalt concrete ... | 9.40 |
| 12 | 2" do. ... | 7.50 |
| 13 | 1½" do. ... | 5.65 |
| 14 | 1" do. ... | 3.75 |
| 15 | Providing tack coat of emulsion at 12 lbs. per 100 sq. yds. ... | 0.25 |
| 16 | 3/4" seal coat with 6 per cent. Asphalt and 88 pe cent. Grit and 6 per cent. filler ... | 2.60 |
| 17 | 1/2" do. do. ... | 1.80 |
| 18 | 3/4" Grit coat with grit and dust, sand, filler etc., and A. C. 8 per cent. inclusive of tack coat 1" thick ... | 3.00 |
| | 1½" ... | 3.90 |
| | 1/2" ... | 5.80 |
| | | 2.00 |

209. The total expenditure amounting to Rs. 2,52,244-12-0 for laying an area of 22,627 sq. yds. of Renewal of Road surfaces under the various Budget Heads was as follows:—

| Serial No. | Service Head | Area renewed | Total cost |
|---|---|---|---|
| | | | Rs. a. p. |
| 1 | Advances, Special Fund, Renewal of Road surfaces Fund ... | 2,975 | 31,514 9 0 |
| 2 | Loan Works, Budget—VIII.—Roads, S. W. Drains and Public lighting, Renewal of surfaces of Roads for which no Renewal fund exists. | 634 | 6,127 5 0 |
| 3 | Revenue Budget—VIII.—Roads, S. W. Drains and Public Lighting, B.—Maintenance of Roads, III.—Repairs and Maintenance, (*b*) Roads, (6) Renewal of surfaces of roads for which no reewal fund exists. | 19,018 | 2,14,602 14 0 |
| | Total ... | 22,627 | 2,52,244 12 0 |

## RECONDO PROCESS

210. An area of 12,875 sq. yds. was laid by Recondo Process through Messrs. Recondo Ltd., during the year. The details of the area laid, road by road, are given below :—

| Serial No. | Name of Road | Area laid in sq. yds. | Reference to S.C.R. No. |
|---|---|---|---|
| 1 | Abdul Rehman Street ... | 7,541 | S.C.R. No. 2055 of 14-10-1951. |
| 2 | Tardeo Road ... | 4,261 | S.C.R. No. 278 of 15-5-1950. |
| 3 | Vithalbhai Patel Road ... | 1,073 | S.C.R. No. 2055 of 14-10-1951. |
| | Total ... | 12,875 | |

211. A further contract for renewing an area of 30,891 sq. yds. of 3" sheet asphalt surfaces and of treating with reconditioning process an area of 15,140 sq. yds. of semi-grouted Roads whose condition warrants immediate attention was being entered into with Messrs. Recondo Ltd. *vide* Standing Committee Resolution No. 2508, and Standing Committee Resolution No. 2509, dated the 4th March 1953 at the close of the year.

212. Due to heavy cost and financial stringency it was not possible to renew the settpaved road surfaces which had finished their useful life. In order to extend the life of these roads experimental stretches of asphalt carpet were tried on Reay Road. A portion covering an area of 1,495 sq. yds. has been laid with 1/2" seal coat over 1½" thick asphalt mixed macadam. Another area of 532 sq. yds. has been laid with ordinary surface dressing. The results under traffic conditions are being watched. In the meanwhile, when the surface has deteriorated considerably relief is given by filling in the pot holes and depressions with asphalt material and providing a thin layer of asphalt carpet.

213. During the year under review Pegson Asphalt mixer was not worked owing to reduction in work.

214. The following tests were carried out at the Asphalt Plant Laboratory :—

| Serial No. | Description of Test | No. of tests |
|---|---|---|
| 1 | Extraction ... | 9 |
| 2 | Plat-form sand and metal test for Binder mixtures ... | 1,170 |
| 3 | Plat-form sand test for surface mixtures ... | 585 |
| 4 | Tests of sand from Depots ... | 126 |
| 5 | Tests of metal and filler ... | 29 |
| 6 | Void tests of aggregates ... | 12 |
| 7 | Specific Gravity tests ... | 13 |
| 8 | Penetration tests ... | 120 |

## CRUSHERS AT WORLI AND SEWRI

215. There were 4 crushers at Sewri and 4 Crushers and a granulator at Worli, out of which on an average only two crushers were working at each place. The granulator also worked in conjunction with the two curhsers at Worli.

216. The total out-put of crushed metal during the year was, 10,076 Brass as against 10,276 Brass of the previous year. An average production of 840 Brass per month was maintained during the year as against 856 Brass per month during the last year. The out-put was low due to reduced demand for crushed metal.

217. All the Crushers worked satisfactorily during the year.

218. The work of crushing the rubble stones at both the places was carried out by contract labour. The rates worked out to Rs. 5-8-0 and Rs. 5-4-0 for Worli Crushers and Sewri Crushers as against Rs. 5-2-0 and Rs. 5-4-0 per Brass for the previous year.

219. The Rubble at Worli was partly supplied from the work of Worli Hill Cutting Scheme No. 58 at Rs. 14-4-0 at Crushers site and Rs. 7-12-0 per Brass at Quarry site, and from construction at Rs. 18-11-0 per Brass.

220. The Rubble at Sewri Crushers was mostly supplied by Contractor Messrs. Bombay Construction Corporation at Rs. 21-7-0 per Brass and a small quantity was supplied from the construction Branch at Rs. 20-12-0 per Brass.

221. The total out-put of the Curhsers and the rates charged for supply of metal including haulage of different sizes were as follows:—

| Kind of Metal | Worli Crushers | Sewri Crushers | Rate per Brass (including haulage charges) |
|---|---|---|---|
| | Brass | Brass | Rs. a. p. |
| Hand broken 2½" ... | 498 | 49 | 26 8 0 |
| Oversize metal 2½" ... | 114 | ... | 26 8 0 |
| Metal 1½" ... | 1,890 | 241 | 35 0 0 |
| Metal 1" ... | 1,145 | 162 | 37 0 0 |
| Metal ½" ... | 1,315 | 2,378 | 39 0 0 |
| Metal ⅜" ... | 355 | ... | 39 0 0 |
| Grit and Dust ... | 586 | 914 | 33 0 0 |
| Fine Grit ... | ... | ... | 33 0 0 |
| Crusher Run ... | 124 | 305 | 37 0 0 |
| Total ... | 6,027 | 4,049 | |

222. The value of stock in hand at the end of the year was Rs. 15,621 at Worli and Rs. 14,411 at Sewri Crushers respectively.

223. The following table shows financial results of the working of the Cushers :—

| Particulars | Debit | Credit | Net loss |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Worli Crushers ... | 3,18,755 | 2,90,232 | 28,523 |
| Sewri Curshers ... | 2,55,628 | 2,26,867 | 28,761 |

224. The proposal to purchase a new Crusher referred to in the last year's report has been kept in abeyance.

225. Proposal for the purchase of a Dust Extractor Plant at Worli Stone Crusher is under consideration

## GENERAL

226. Under the Employees' State Insurance Act 1948, as amended by the Act of 1951, the Corporation is required to pay the employees' special contribution on the basis of 3/4 per cent. of the total wage bill every quarter with effect from 24th February 1952 in respect of work places governed by the Indian Factories Act. Such contribution is being paid in respect of Asphalt Plant and Stone Crushers at Worli and Sewri.

227. The provision of the following amenities for workers at the Asphalt Plant and Worli Crushers as requisitioned by the Factory Inspector under the provisions of the Indian Factory Act are under consideration

(1) Provision of rest and lunch rooms ;
(2) Provision of a creche for children, Female Workers ;
(3) Additional W. C. accommodation ;
(4) Provision of Urinals ; and
(5) Payment of wages in lieu of Annual Leave to workers who have put in more than 4 months continuous service and then discontinued from service.

## IMPROVEMENT OF PRIVATE STREETS IN THE CITY-OLD-CITY LIMITS

228. Out of 19 Actions (12 under Section 305 and 7 under Section 377(1-A of the Bombay Municipal Corporation Act) reported to be in progress in the previous year, 1 Action (under Section 377(1-A) ) ; is complete and 1 Action (under Section 377(1-A); was dropped as the street referred to therein would be absorbed in the proposed Mahim Town Planning Scheme.

229. Four New Actions (2 under Section 305 and 2 under Section 377(1-A)) were added in the year under report, thus making the total number of Actions in progress 21, at the end of the year.

230. No new prosecutions were launched under Section 471 of the Act during the year.

231. In the case of Shri Tokersey Dosa referred to in the last year's report (for a claim of Rs. 1,732-3-0 in respect of private street off Currey Road Low Level Road North a compromise was arrived at, at 50 per cent. of the Municipal claim payable in one lump sum (*viz.*, Rs. 866-2-0). The amount could not be realised during the year under review as the party contended that this payment could be adjusted against the compensation amounting to Rs. 4,000 he was entitled to from the Corporation in connection with a set-back to be acquired at Laxmi Na ayan Lane in respect of the temple property thereat. On account of the technical irregularities involved therein the matter was referred to and was under consideration of Solicitors to Corporation and the Estate Agent and Land Manager. No further action for recovery of this amount could be contemplated until this aspect of the case (as aforestated) could be settled.

232. The following three works reported in the last year's report as partly completed were completed in all respects :—

(1) Private Street off Warden Road leading to Mahalaxmi Temple.
(2) Private Street known as 1st Pasta Lane and
(3) Private Street known as Woollen Mill Lane (Estimated cost Rs. 1,80,828).

233. In respect of the following two works (1) Private Street off Sakharam Keer Road and (2) Private Street known as Dr. Bhagwanlal Indraji Road and Narayan Dabholkar Cross Road, Action under Sections 305 and 377(1-A) respectively was taken and the works were completed. (Estimated cost Rs. 64,110).

234. In respect of the following two cases action under Sections 305 and 377(1-A) was taken and the works were in progress at the close of the year :—

(1) Private Street known a Adam Mistry Lane (Section 305) off Dadar Road and
(2) The Private Streer leading to Sophia College (Section 377(1-A)). Estimated cost Rs. 38,114.

235. During the year, work orders in respect of the following new cases were issued :—

(1) Private Street known as Adam Mistry Lane (Action under Section 305).
(2) Private Street leading to Sophia College off Warden Road (Action under Section 377(1-A)).

236. In the case of 'private' street leading to Sophia College, action under Section 377(1-A) of the Act was taken, which provided for improving the surface of the passage only, by semi-grouting. Under this Section, no lighting arrangements can be enforced but the authorities of Sophia College voluntarily paid the installation cost of lighting in advance as 'deposit' and as such lamp posts and other apparatus necessary for lighting, have been provided for in this street.

237. In the case of Private Street off Nepean Sea Road leading to Dr. Judhah's property sanction of the Standing Committee was obtained to improve the street under Section 377(1-A) of the Act. One of the frontagers of the lane, however, carried out the whole work of improvement, at his cost by providing cement concrete surface and as such there was no necessity to invoke the provisions of Section 489 of the Act and to carry out the work by the Corporation pending subsequent recoveries from the frontagers concerned. The question of declaring this street as a 'public' street under Section 306 is under consideration.

238. During the year under report, provisions of Section 492 of the Act, were required to be invoked to effect the recovery of the pro-rata share of the improvement cost from the tenants or the occupiers of the premises as detailed below, since the frontagers failed to make payment, after the issue of Demand Notice to them under Section 491 of the Act.

| No. of Frontagers | No. of Tenants | Name of the Private Street | Action taken | Amount recovered |
|---|---|---|---|---|
| | | | | Rs. a. p. |
| 4 | 48 | Private Street off Bhavanishankar Road near Jain Temple. | Section 377 (1-A) of the B. M. C. Act. | 723 13 0 |

239. No amount was declared as 'Improvement Expenses' during the year under report.

240. Recoveries to the extent of Rs. 6,666-3-0 including 'interest' were made from the house-owners during the year, in respect of works carried out in the past. The amount is inclusive of 'deposit'.

241. The following streets were declared 'public' as per provisions of Section 306 of the Bombay Municipal Corporation Act :—

(1) Private Street off Khetwadi Main Road near Union High School. 'Street' declared 'public from 25th November 1952. The improvement of the street was carried out as per requisitions under Section 306 of the Act but the work was carried out from 'Deposits' paid in advance by the frontangers concerned, as per pro-rata cost worked out against each of them. Approximate area declared 'public' 255'-0"×14'-0"=3,570 sq. ft.

(2) 20'-0" wide 'private' street off Chowpatty Sea Face Road in Old Morvi Estates declared 'public' from 1st October 1952. In this case, all the requirements of Section 305 of the Act *viz.*, (1) Asphalt pavement, (2) draining and (3) Lighting were already in existence in the street under reference and no separate Action under Section 305 of the Act was required to be taken.

242. The following street was 'treated' as 'public' as a sewer was found to be in existence in it though the date of its construction is not known.

(1) Private Street off Bapty Road near Arab Lane bearnig C.S. No. 216. Treated as 'Public' with effect from 1st August 1952. Approximate area declared 'public' 420'-0"×10'-0"=4,200 sq. ft.

243. Demand Notices under Section 491 of the Act were issued in the following cases tc the frontagers concerned.

| | | Rs. | a. | p. |
|---|---|---|---|---|
| (1) Private Street known as Baker Lane | ... | 21,717 | 14 | 0 |
| (2) Private Street known as Bhaskar Bhau Oart | ... | 12,527 | 2 | 0 |
| (3) Private Street known as Nickdowri Oart | ... | 13,122 | 4 | 0 |
| Total | ... | 47,367 | 4 | 0 |

244. The work of overhauling the Bombay Municipal Corporation Act having been under consideration at the close of the year there was no progress in respect of the proposed changes in the definitions of 'public Street' and 'Private Street' referreed to in th previous year's report.

## DRAINAGE BRANCH

### (*i*) General

245. Conditions of the sewers with regard to surcharge improved considerably as compared with those in the previous years due to systematic cleaning of the main sewers in the congested localities and due to the satisfactory working of the Pumping Station at Love Grove. Further improvement will be effected as and when new pumps are installed in the Northern part of the City.

246. In the year under review, the progress of the mechanisation of the Drainage Section was continued by purchasing one Gas Welding Plant.

247. The Sewerage system of the City depends upon the satisfactory working of the pumping and compressor stations. The machinary for the new pumping stations at Tulsi Pipe Line at Globe Mill Passage and at Matunga which were constructed during the previous year was received and the installation of the same was started at Tulsi Pipe Line. When these stations would start functioning, a considerable improvement in the surcharge condition of the sewers in these localities would be possible.

248. The Pumping Station at Love Grove referred to in the previous year's report helped to maintain the improvement in the surcharging condition of the sewers in the Southern and Central parts of the City. Th- surcharging in these parts of the City will further improve very considerably with the completion of the new 6'×9' ovoid relief sewer between Love Grove and Lamington Road. The major part of this sewer is laid and further work is in progress and will be completed within a short period.

249. The work of giving street connections to the new buildings as well as scrutiny of the proposals for the drainage arrangements of the new buildings was continued during the year and the street connections granted and the plans approved were as under:—

| Street connections | | Plans of Drainage Arrangements | |
|---|---|---|---|
| Sewers (173) | S. W. Drains (47) | New Buildings (153) | Additions and alterations (458) |

250. The schems of providing additional manholes over Municipal sewers and vent shafts over sewers and S.W. Drains sanctioned in the year 1950-51 could not be proceeded with during this year for want of funds. Completion of these two schemes are considered essential in the interest of public health and safety of the labourers employed in the works of cleansing sewers and drains.

251. The details of the works carried out during the year are given below:—

| | No. | Total Cost Rs. |
|---|---|---|
| A.—Repairs and A lterations— | | |
| (1) Repairs to manholes or drains and sewers construction of new manholes, renewal of worn out covers and frames for manholes and lamp holes. | 231 | 65,463 |
| (2) Replacement of gratings on water gullies ... | | |
| (3) Renewal and repairs to vent shafts ... | | |
| B.—Cleansing operations (underground sewers and drains) ... | | |

252. The following table shows the type of sewers and drains cleaned and silt removed from them:—

| Particulars | Mileage (Last year) | Increase during the year | Total Mileage | Mileage cleaned | Silt removed in tons |
|---|---|---|---|---|---|
| Pipe Sewers ... | 211.04 | 1.33 | 212.37 | 85.6 | 5370.23 |
| Ovoid Sewers ... | 17.37 | ... | 17.37 | 12.6 | 4901.18 |
| S. W. Drains ... | 212.86 | .85 | 213.71 | 13.18 | 2379.64 |

253. The quantity of silt removed this year also was less than that in the previous year. This was due to clear outfall for sewage available on account of the satisfactory functioning of the new pumping station at Love Grove. Further improvement in this respect would be expected when the work of main relief sewer would be completed and connected to the existing sewer at Lamington Road.

C.—*Water Courses.*—Water courses were cleaned and kept in good condition.

D.—*Catchpits.*—Catchpits on ovoid sewers and pipe sewers were cleaned at regular intervals and 4067.15 tons of silt were removed therefrom.

E.—*Water Entrances.*—20,795 W. Es. including perforated stone-ware ones were cleaned and opened before monsoon and closed after monsoon.

F.—*Street Connectionr.*—61004 Street connections were cleaned during the year.

G.—*Biological Installation at Banganga.*—This Installation was kept in working order during the year by thoroughly cleaning the filter beds and carrying out necessary repairs at a cost of Rs. 3,773.

H.—*Vent Shafts.*—All vent shafts on pipe sewers which number about 1,007 were maintained and kept in working order.

I.—*Cleaning and maintaining of open S. W. channels.*—The five main open S. W. channels were cleaned at a total cost of Rs. 9,713 and the silt removed therefrom amounted to 4150.8 tons.

J.—*Relieving Arches at Falkland Road.*—This had to be suspended during the year under review also for want of funds.

K.—*Sluices.*—27 sluices on sewers and S. W. drains were operated and maintained.

L.—*Common House Drains and House drains in the private properties.*—The work of systematic cleaning of house drains was continued during the year and it resulted in reducing the number of chokes therein. Special attention was paid to long lengths of common house gullies by attending to them regularly. This helped in keeping the common house drains in good working order.

### (*ii*) Departmental and Private Works.

254. Departmental and Private Works amounting to Rs. 94,118-13-0 (Departmental Rs. 68,728-2-0 and Private Rs. 25,390-11-0) were carried out during the year under report at the cost of various Departments and private parties.

### (*iii*) Flooding.

255. The system of employing special labour staff day and night to attend the low lying areas of the City subject to flooding during heavy rains, was continued during the current year also. No special staff for this purpose was appointed during the day time and the work was entrusted to the Ward Staff as in the previous year. The night staff continued to work as before. This arrangement was found to be satisfactory and economical.

256. The total rainfall as recorded in B. T. Office from 8th June 1952 was 71.55 inches and at Colaba Observatory the same was 63.33 inches during the same period.

### (*iv*) House Connections

257. Following table will give an idea of the requisitions issued against the house owners for rectifying the defects in the house drain fittings and the reaction of the owners to the same :—

| Section | No. of requisitions outstanding on 31-3-1952 | No. of requisitions issued during 1952-53 | No. of requisitions complied with during 1952-53. | No. of requisitions outstanding on 31-3-1953 |
|---|---|---|---|---|
| 230 ... | 4 | ... | 4 | ... |
| 231 ... | 184 | 161 | 262 | 83 |
| 233(*a*)(*b*) ... | 11 | 29 | 20 | 20 |
| 243(2) ... | 9 | 15 | 20 | 4 |
| 244(1) ... | 1 | 7 | 7 | 1 |
| 248(1)(*c*) ... | 47 | 29 | 31 | 45 |
| 257(1)(*a*) ... | 1,199 | 3,478 | 3,530 | 1,147 |
| 258(*a*) ... | 1 | 3 | 2 | 2 |
| 258(*c*) ... | 3 | 4 | 4 | 3 |
| 257-260 ... | 4 | 19 | 19 | 4 |

258. Where requisitions were not complied with, prosecutions were launched. The result of the Court proceedings are given in the following table :—

| Section of the Act for non-compliance of the original notice under Section | No. of cases pending on 31-3-1952 | No. of prosecutions | No. of cases withdrawn or complied with | No. of cases pending on 31-3-1953 | No. of convictions | No. of cases in which parties were warned or discharged | Amount of Fines |
|---|---|---|---|---|---|---|---|
| | | | | | | | Rs. a. p. |
| 231 ... | 7 | 48 | 8 | 16 | 30 | 1 | 432 0 0 |
| 233(*a*)(*b*) ... | ... | 6 | .... | ... | 6 | ... | 82 0 0 |
| 243(2) ... | ... | 1 | ... | ... | 1 | ... | 25 0 0 |
| 248(1)(*c*) ... | 1 | ... | ... | ... | 1 | ... | 20 0 0 |
| 257(1)(*a*) ... | 31 | 277 | 59 | 67 | 168 | 14 | 1,942 4 0 |
| 257(1)(*a*)(*i*) ... | ... | 7 | ... | 1 | 4 | 2 | 71 0 0 |
| 258(*a*) ... | .... | 2 | ... | ... | 2 | ..... | 15 0 0 |
| 258(*c*) ... | ... | 14 | ... | 11 | 3 | ... | 90 0 0 |
| 356 ... | .... | 11 | 2 | 1 | 8 | ... | 100 0 0 |
| 472 ... | 8 | 65 | 5 | 15 | 47 | 6 | 1,112 7 0 |
| Total ... | 47 | 431 | 74 | 111 | 270 | 23 | 3,869 11 0 |

### (*v*) Subvention Scheme.

259. Subvention Scheme as sanctioned under Corporation Resolution No. 257, dated the 21st June 1951 was continued during the year under review. This Scheme, however, was deferred in respect of such premises as were falling in the Town Planning Scheme of Mahim Woods. During the year under report conversion of 30 privies was effected.

## REMOVAL OF TOWN REFUSE TO DEONAR

260. The major portion of refuse was as usual transported to Deonar in Railway wagons. The remaining refuse was dumped into low-lying lands in the City *viz.*, Hornby Vellard, Haines Road Cemetery and near Love Grove Pumping Station which are required to be filled in for extending the cemetery and for filling in the old S. W. Reservoir. On account of shortage of wagons, arrangement of running three trains instead of two trains introduced in 1950-51 was continued during the year under report. Accordingly, three trains consisting of an average of 25 wagons each were despatched from Mahalaxmi siding to Deonar every day. The total number of wagons sent to Deonar during the year under report was 26,433 as against 25,421 during the previous year. Taking an average of 17 tons per wagon, the quantity of refuse removed to Deonar was about 4,49,361 tons as against 4,06,736 tons during the previous year. The total cost of removal and disposal amounted to Rs. 8,90,049 as against Rs. 8,87,412 of the last year. The total cost of unloading refuse wagons during the year amounted to Rs. 4,05,695 as against Rs. 3,98,412 in the previous year. The increase in expenditure was partly due to increased quantity of refuse disposed of for which additional cost had to be incurred.

261. The work of unloading refuse wagons was carried out wholly by contract.

262. The total cost of haulage and unloading per ton amounted to Rs. 2 approximately as against Rs. 2-7-10 per ton in the previous year.

263. The position of the rolling stock including stock lying sick in Railway Workshop at Mahalaxmi Siding and at Deonar Siding at the end of the year is as follows :—

| | |
|---|---|
| 95 | Refuse wagons running. |
| 2 | Silt wagons. |
| 13 | Sick in Railway Workshops. |
| 6 | Sick at Mahalaxmi Siding. |
| 6 | Brake vans. |
| 122 | |

264. 17 wagons were condemned during the year 1952-53, by the Railway authorities as they were beyond economical repairs.

265. The position of the rolling stock required for work was not satisfactory. It was considered necessary to increase the rolling stock and provision for Rs. 3,00,000 for the purhcase of 30 wagons had been made in the Budget Estimate. However the full provision could not be availed of for want of underframes of the wagons. This matter was under correspondence with the Railway authorities during the year. It was finally decided to construct 20 refuse wagons by contract after inviting tenders for the same for which a draft tender was being prepared.

266. The cost of repairs and maintenance of the wagons as well as of the siding at Mahalaxmi amounted to Rs. 81,302 as against Rs. 83,510 for the previous year.

267. During the year under report refuse was dumped over the land already filled in to fill up the depressions caused by fire and rain. The total area reclaimed stood at 434 acres at the close of the year out of 823 acres of low lying land earmarked for reclamation.

268. The total income realised from various sources such as reclaimed land leased for cultivation temporary letting out of portions of the land to Messrs. Anderson Dawn and Co. and the Central Railway, skinning dead animals, sale of right of fishing etc., amounted to Rs. 76,660 as against Rs. 1,05,065 during the previous year. The reduction in the income is mainly due to the less amount realised by selling the right of skinning dead animals as the stables are being removed out of the City limit.

269. The amenities provided in the labour camp for the benefit of staff such as free primary education Welfare Centre, Gymnasium etc., were continued during the year. Free medical help was continued upto October last and it was then withdrawn as the unloading work was being done with the contractor's labour. Since the amalgamation of the Suburban areas in Greater Bombay the dispensary in Chembur became a free dispensary benefit of which was taken whenever necessary.

270. Ration Shop in the camp was discontinued as the authorisation of the same was cancelled by the Government due to some irregularities on part of the shop keeper. However the shop keeper had not vacated the premises rented to him for the shop. Legal steps were therefore being taken to eject the shop keeper.

271. Two incidents of major fires occurred on the reclamation during the year. However there was no loss to municipal or other properties.

272. The scheme for laying pipe line from Dadar Sewage Purification plant to Deonar for conveying sewage effluent for irrigation purposes was being considered by Government. No reply was received from Government at the close of the year.

273. The incinerators at Love Grove and Palton Road being out of order could not work. As the cost of putting them into operation would be heavy it was decided not to work them till the financial position improved. Only the incinerator at Mahalamxi siding worked during the year and 240 tons of refuse was burnt in it.

274. The length of the main railway line and the katchra siding was 6,700 feet. The length and number of temporary sidings varied from time to time.

## CENTRAL PLANNING BRANCH

275. The Master Plan for the Greater Bombay Region approved by the Corporation under their Resolution No. 413, dated the 26th July 1948 was under consideration of the State Government during the year and their decision thereon was awaited.

276. The work of filling in the details of the plan was continued during the year under report.

277. The remarks about the Zoning Code and Bye-laws have been offered under 'Zoning' under heading II.—Private Building Constructions, *Vide* Para. 71.

## AERIAL SURVEY

278. The work of the aerial survey of the Greater Bombay Region was carried out through the agency of the Surveyor General of Government of India as per Standing Committee Resolution No. 434, dated the 13th June 1952. In order to curtail the expenditure and to keep it within the amount of the sanctioned estimate, it was proposed to get the region as far as Bassein Creek, photographed only, to a scale of 16" to one mile so that from the resulting photo-mosaics, the recent developments could be checked against the older maps which are to the same scale. The cost of air photography of 239 square miles on a scale of 8" to one mile, supply of two sets of contact prints and one set of photo-mosaic mounted on masonite boards to a scale of 16" to one mile with another set of prints to a scale of 16" to one mile, amounted to Rs. 75,200. A part of the work has been completed and two sets of contact prints have been received. The delivery of remaining work is awaited.

### Existing Industry in the Suburban Area.

279. While evolving a workable zoning plan, it was observed that as a result of unplanned and sporadic establishment of industries in the Suburban area, it was extremely difficult to enforce immediately a rigid zoning plan without causing serious hardship to the various industrial concerns. A thorough inventory with all details was therefore made of the various industries in the Suburbs and each case was considered individually as regards possibility of its retention at the original site subject to certain conditions such as insulatation, curtailment of noise, etc. Wherever this was not possible, it was proposed to give sufficient time within which to shift to some industrial zone. This proposal was explained to the factory owners at a number of meetings held to thrash out the various issues ; the idea being that the industrialists should be put to as little inconvnience as possible in the process. It was also considered desirable to provide alternative sites for such concerns as were to be displaced in years to come by acquiring suitable sites in three or four localities in the East and West. This matter is being investigated further.

### Shifting of Slaughter House and Tanneries to Deonar

280. The data for the planning of the Municipal Slaughter House to be established at Deonar was collected from various sources abroad and the preliminary scheme is under preparation. Along with the proposed shifting of the Slaughter House at Bandra to Deonar, it was also proposed to shift the existing tanneries at Dharavi to a site nearby at Deonar and with a view to ascertaining the requirements of the tannery owners, attempts were made to hold a number of meetings with the tannery owners. The results, however, were discouraging as no co-operation from the parties concerned was forth-coming. According to them the proposal for shifting the existing tanning trade from Dharavi to Deonar was beset with a number of difficulties. Further attempts are still being made to induce them to supply the required information.

**Road access to the proposed Oil Refineries in Trombay**

281. As a result of the decision of the Government of India to establish two oil refineries in Trombay area through the agency of the Burmah-Shell Oil Storage & Distributing Co., of India, Ltd., and the Standard-Vacuum Oil Co., of India, Ltd., the question of providing a suitable road acc. ss to their sites became urgent. After investigating the various possibilities in consultation with the two oil companies, it was unanimously agreed to follow the alignment of the Eastern Expressway starting from Sion as proposed in the Master Plan as far as its junction with the Sion-Trombay Road near the Tansa Water-mains. Estimates for thi road which involved a bridge over the Harbour Branch Line of the Central Railway. North Sion Fort, amounting to about Rs. 26.45 lakhs were prepared and submitted to the Central and State Governments. Revised estimates amounting to Rs. 14.5 lakhs exclusive of the cost of the bridge were proposed by the Bombay P.W.D. who were also entrusted with the construction of the Road. The estimate for the bridge is under preparation by the Central Railway authorities. The cost of the road construction is proposed to be shared equally between the three parties, *viz.*, The Central Government, the Bombay Government and the Bombay Municipal Corporation.

282. A number of meetings were also held with the Railway authorities for determining the alignment of the Railway Siding extending from the refinery sites as far as Kurla. This involved the crossing of the Sion-Trombay Road and it was proposed to the railway authorities that the Rail Siding should run above the road so as to cause no disturbance to the vehicular traffic. The matter was under investigation and consideration of the Central Railway authorities and the Bombay P. W. D.

283. The total expenditure booked for the preparatic n of the Master Plan from its commencement (*i.e.*, 1st June 1947) upto the period ending 31st March 1953 amounted to Rs. 2,15,238. About 46 copies of the Report known as 'Master Plan in Outlines' at Rs. 7-8-0 per copy, and about 41 copies of the Master Plan at Rs. 2 each, were sold during the year under report. The total amount from the sale of these amounted to Rs. 427.

## X.—SLUM SERVICE AND CLEARANCE.

284. During the year the following works were attended to :—

(1) General Scheme of Slum Clearance.
(2) Scheme for the extension of Kelewadi Lane.
(3) Development of Golanji Estate.
(4) Housing Scheme at Sion.
(5) Town Planning Scheme Bombay City No. 1, (Mandvi and Elphinstone Estate).

(1) *General Scheme of Slum Clearance.*

285. The Slum Clearance Schemes essentially required alternative housing facilities for the dis-housed slum dwellers. As this was not feasible due to exorbitant costs both of land and of construction, no progress was made in this di ection. The draft slum clearance bill referred to the State Legislature had not been passed and hence the slum clerance programme had been suspended.

(2) *Scheme for the extension of Kelewadi Lane.*

286. Out of the seven properties a"ected by the Scheme, four were already acquired. Out of the remaining three, acquisition proceedings in respect of C.S. No. 34 were in pro ress.

287. A foot-overbr dge over C.S. No. 36 and 37 was completed and declared open for public in Feburary 1952. As it would be necessary to enter into an agreement with Mullaji Saheb, the matter was referred to Messrs. Crawford Bayley & Co., Solicitors to draft the agreement.

(3) *Development of Golanji Hill Estate.*

288. The work of cutting a portion of the Hill entrusted to Messrs. G. L. Powar & Co., has been completed.

(4) *Housing Scheme at Sion.*

289. No progress was made with the construction of storyed structures in this Scheme on account of high cost of construction.

(5) *Town Planning Scheme, Bombay City No. 1.*

290. After completion of the hearings and demarcation of the plots, the Arbitrator had suggested his proposal amending the Municipal draft layout. This proposal was minutely scrutinised and was partly accepted and partly rejected as it tended to rob the Scheme of much of the advantages which the Local Authority wanted to achieve. The State Government was asked to intervene, in some of the controversial points, which the Arbitrator was reluctant to concede. For some days the 'status-quo' was maintained and in December 1952, the Arbit tor, Shri Khan, resigned, and he was succeeded by Shri G. J. Desai, the retired Consulting Surveyor to the Government of Bombay. The new Arbitrator was also directed by the State Government to take up the proceedings 'De Novo' and he accordingly commenced his hearing from 16th February 1953. The Municipal Advisor, assisted by the Municipal Engineers, appeared before the Arbitrator on behalf of the Local Authority with a view to defend the Municipal valuation.

291. The whole of the Town Planning Scheme area was kept under vigilant control with a view to preventing works in contravention of the provisions of the Town Planning Act. Proposals for new constructions additions and alterations received from the owners of the building in the Scheme area were scrutinised and commencement certificates issued with concurrence of the Arbi.rator.

## XI.—PROPOSED TOWN PLANNING SCHEMES FOR THE DEVELOPMENT OF MAHIM AREA.

292. The Mahim area covered by the provisions of the Bombay Town Planning Act, 1915, has been divided into three Schemes namely Schemes Nos. 2, 3 and 4.

293. The work of carrying out civic surveys of the area was continued during the year.

294. *Town Planning Scheme, Bombay City No. 2.*—As per Government sanction (*vide* Government Resolution No. 6841/33, dated the 26th June 1951) the draft scheme was prepared in consultation with the owners and the same was approved by the Corporation under their Resolution No. 180, dated the 19th June 1952. The Draft Scheme was published in the Bombay Government Gazette and other local newspapers for inviting objections thereto. After consideration of the objections received the draft Scheme was finally approved by the Corporation under their Resolution No. 680, dated the 6th October 1952 and forwarded to Government for sanction.

295. *Town Planning Scheme, Bombay City No. 3.*—As per Government Resolution No. 6921/33, dated the 14th February 1952 sanctioning the making of the Town Planning Scheme, Bombay City No. 3, the preparation of the draft scheme was taken in hand in consultation with the owners. For this purpose one meeting of the owners of the plots falling in the area was held in the Corporation Hall and the Scheme was explained to them. It was suggested to the owners in the meeting to elect a consultative committee from amongst the owners for assistance in preparation of the scheme, but the owners were not in a mood to form such a consultative committee. It was, therefore, decided to hold meetings of owners of plots section by section from the whole scheme area, for explaining the scheme to them. Accordingly six meetings from the various sections of the scheme were held in the Mahim Ward Office when the draft scheme was explained to them. Owing to the magnitude of the work, the draft scheme could not be published within the period of twelve months from 14th February 1952 and an extension of four months was sanctioned by Government under their Resolution No. 6921-33 dated the 4th February 1953. The draft Scheme is almost ready and would be shortly submitted to the Corporation for their approval and submission to State Government.

296. *Town Planning Scheme, Bombay City No. 4.*—The Government of Bombay under their Resolution No. 7019/33, dated the 19th April 1952 have sanctioned the making of the Town Planning Scheme, Bombay City No. 4. In accordance with this Resolution, the work of preparation of the draft scheme was taken in hand in consultation with the owners of the plots falling within this area. For convenience, the whole area was divided into four sections and four meetings one for each section were held in the Corporation Hall for explaining the tentative draft scheme to the property holders as well as to form a consultative committee from amongst them. A consultative committee consisting of six members from the owners of the plots duly nominated by property owners was formed.

297. Five meetings of this committee were held and the tentative draft scheme was discussed and amended in accordance with the decisions arrived thereat. As the area under the scheme was large and the detailed work to be done towards completion of the draft scheme was voluminous, the Government of Bombay have been approached to extend the period for the preparation of the Scheme by six months *vide* Corporation Resolution No. 1468, dated the 5th March 1953.

### GENERAL.

298. The following is a statement of Commencement Certificates udner Section 15 of the Bombay Town Planning Act, 1915, actually issued during the year under reference as well as of permits issued under Section 3 of the City of Bombay (Building Works Restriction) Act, 1949, during the previous period :—

| | During the year. | Total from the beginning upto the end of the year under report. |
|---|---|---|
| Permits in Scheme No. 3 | ... | 171 |
| Permits in Scheme No. 4 | ... | 202 |
| Commencement Certificates in Scheme No. 2 | 27 | 50 |
| Commencement Certificates in Scheme No. 3 | 103 | 164 |
| Commencement Certificates in Scheme No. 4 | 182 | 182 |

299. The total expenditure incurred in connection with the preliminary works of the proposed Town Planning Schemes for the area from its commencement upto the end of the year under report comes to Rs.2,92,900

The expenditure during the year 1952-53 alone amounted to Rs. 98,499

### VAITARNA-CUM-TANSA SCHEME.

#### Major works in progress

*Vaitarna Dam.*

300. (*a*) *Excavation.*—The work of opening the foundations was continued. During the year about 7,97,000 cubic feet of earth and murum and 9,81,000 cubic feet of rock were excavated. The dam has been founded for a minimum depth of 5'-0" into solid rock with a 2 per cent. grade rising from upstream to downstream. The work of major excavation was completed on 7th December 1952.

301. (*b*) *Drilling and Grouting.*—In order to consolidate the foundation rock and fill up all the fissures, cavities, etc., if there be any, one row of 1.3/4" diam. holes was drilled along the upstream face, maximum depth being 100 feet and grouted with cement at 40 Lbs. per square inch. The total depth of these holes drilled and grouted during the year was about 9,300 R. feet.

302. (c) *Concreting.*—The laying of concrete for the construction of Dam was started on 4th May 1952 and 46,24,000 cubic feet of concrete cooled down to 60°F. was laid during the year. The maximum quantity of concrete placed in a day was about 53,500 cubic feet (or about 9,07,800 cubic feet in a month). The total work done upto 31st March 1953 measured about 47,42,000 cubic feet *vide* Appendix 'V'. (Three photographs relating to the Dam Work are attached).

303. (d) *Instruments in the body of theDam.*—38 thermometers and 4 strainmeters have been installed in the body of the Dam in order to study the temperature gradients.

304. *Concrete Testing Laboratory.—Experiments for reduction in cement contents in various classes of concrete.* As the 28 days' compressive strengths for Class 'A' and Class 'B' concretes were found to be much higher than those required, experiments were carried out in the Laboratory during the monsoon to reduce the quantity of cement per 100 cubic feet of concrete. The results showed that with 11½ cwts. of cement (instead of 12 cwt. of cement for 100 cubic feet of mixed concrete) it was possible to get 3,500 lbs. per square inch compressive strength at 28 days. This class 'A-1' Concrete, *viz.*, 11½ cwts. of cement for 100 cubic feet of mixed concrete was immediately introduced after the monsoon of 1952. Similarly, 1/2 Cwt. of Cement contents were reduced in Class 'B' concrete.

305. After finalising the design of the mix for the dam, the work in the laboratory was mainly concentrated on controlling the quality of concrete laid from day to day. This was achieved as under:—

(*i*) *Control of materials*:

(*a*) *Cement.*—Cement samples were taken twice a day from the Batching & Mixing Plant and tested as per B.S.S. No. 12/1947. The results of these tests were found to be satisfactory.

(*b*) *Aggregates.*—Samples of the various aggregates were taken twice a day from the end of cooling tunnel, which is the nearest point, before they were batched and mixed. After sieving the various aggregates, combined grading for the same was worked out and adjustments made, if necessary, in the designed grading.

(*ii*) *Control at the Batching and Mixing Plant*:

(*a*) *Checking of Scales.*—All the Scales were verified every day before starting the work. One Scale in turn was checked in detail every day for its accuracy.

(*b*) *Control of Water.*—Moisture contents were found out every day and the amount of water to be added was adjusted.

(*iii*) *Determination of Unit weights of Concrete.*—Representative samples of concrete were taken from the wet hopper of the Batching and Mixing Plant and the unit weight of wet concrete was determined and compared with the theoretical ones. The unit weight of concrete as obtained at Vaitarna averaged during the year to 167 lbs. per C. feet as against 150 lbs. per C. ft. as assumed in the design.

(*iv*) Specimen, *viz.*, 6"×12" cylinders were cast, capped at site, cured in the Laboratory and tested for compressive strengths at 7 and 28 days. The average compressive strengths of class 'A' and 'A-1' concrete were 4,900 lbs. per square inch and 4,000 lbs. per square inch for 28 days respectively against the required ones of 2,500 lbs. per square inch and 2,250 lbs. per square inch.

306. *Other works carried out in the Concrete Laboratory*:—

(*a*) Suitable mixes for R.C.C. slabs for 6½ miles pipe line and concrete blocks under the main pipe line from Tansa to Powai were deisnged.

(*b*) Specifications for the concrete work of Intake Tower and Approach Bridge for the tunnel were drawn.

(*c*) Specifications for the proposed Sea Wall in 'Colcrete' for City Engineer's Department.

(*d*) Permeability tests of concrete with 'Trip-l-seal' for the City Engineer's Department.

(*e*) 43 cement samples received from the Controller of Stores were tested.

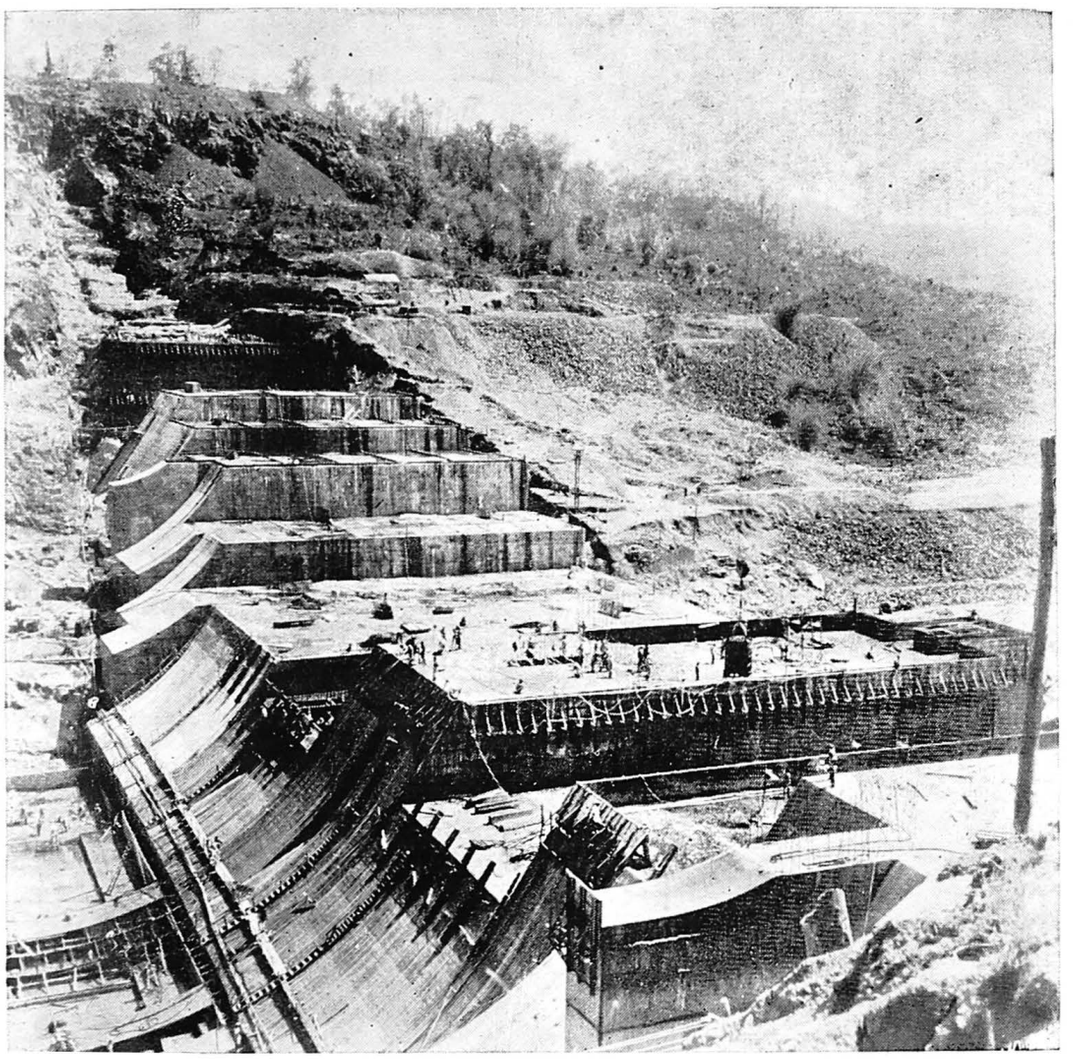
(*f*) 95 Nos. 6"×6"×6" concrete cubes received from the various departments, *viz.*, 80 Nos. from the embankment and pipe line section, 5 Nos. from the Hydraulic Engineer and 10 Nos. from Asstt. Engineer (Tech.) were tested for compressive strengths.

## POWER HOUSE

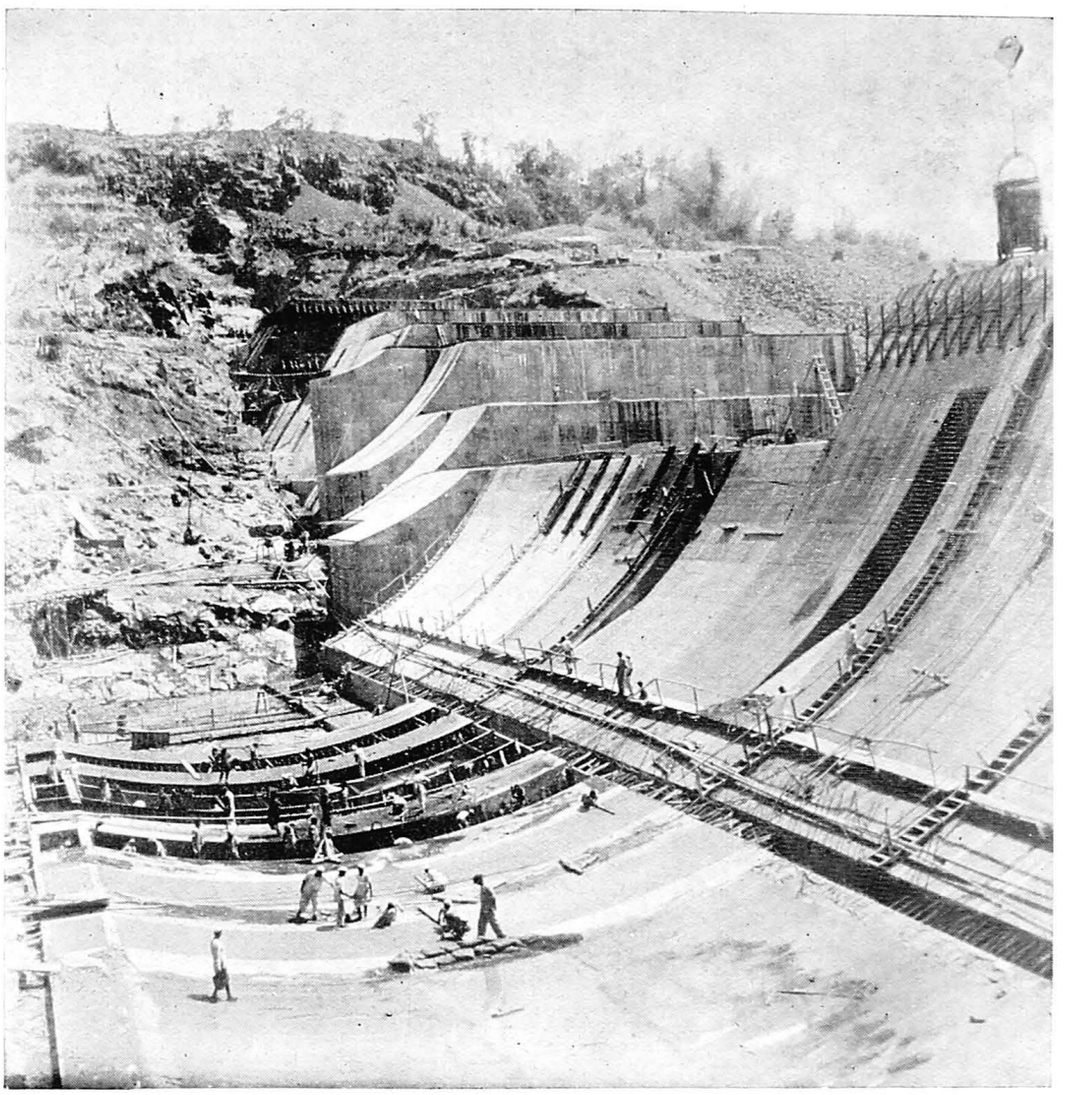
307. The Municipal-owned Power House of total installed capacity of 3,117 KW. was in operation, with 3 Nos. 840 KW. Sets, 1 No. 333 KW. Set and 1 No. 264 KW. set. The 'Enterprise Elliot' Set shifted from Tansa was erected and put in commission.

308. Till 31st March 1953, 13,966 engine hours have been run, generating 45,14,966 units. Out of these 41,15,157 units were supplied to Messrs. The Hindustan Construction Co., Ltd., for constructional equipment for Dam Work as well as for domestic use while the remaining 3,99,809 units were supplied to other contractors, Municipal employees, and petty establishments at the Camp.

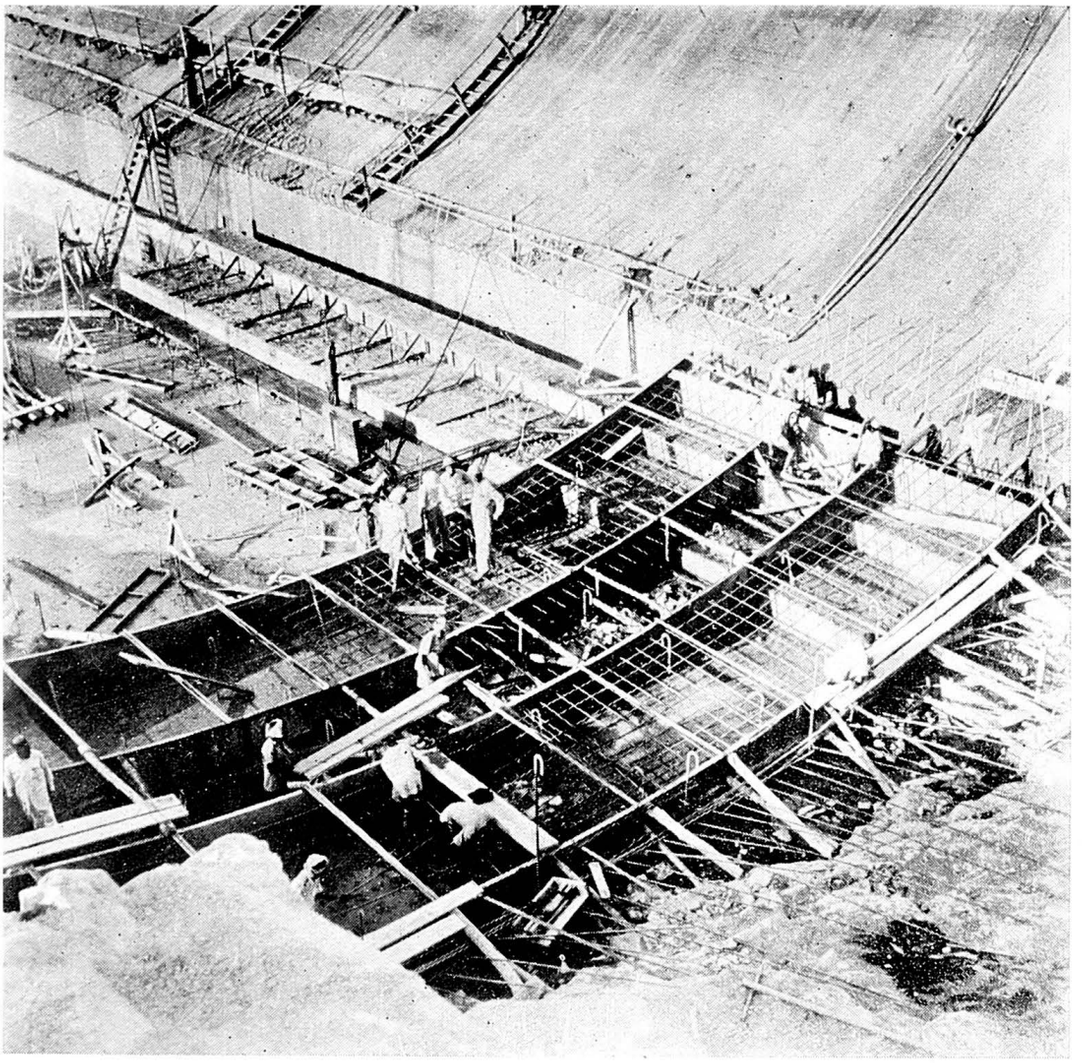
309. During the working season, 2 Nos. 840 KW. big sets and one of the two small sets were reqired to be run. Average steady load on the Station was about 1,300 KW. with maximum kicks going upto 2,000 KW. Maximum steady load during an hour was found to be 1,795 KW. During the working period the Station supplied on an average about 20,000 units per day in cold season and about 30,000 units per day in hot season. During the non-working period, the Station supplied about 2,000 units per day.



*General View of Dam under construction—Block Nos. 13 to 27*



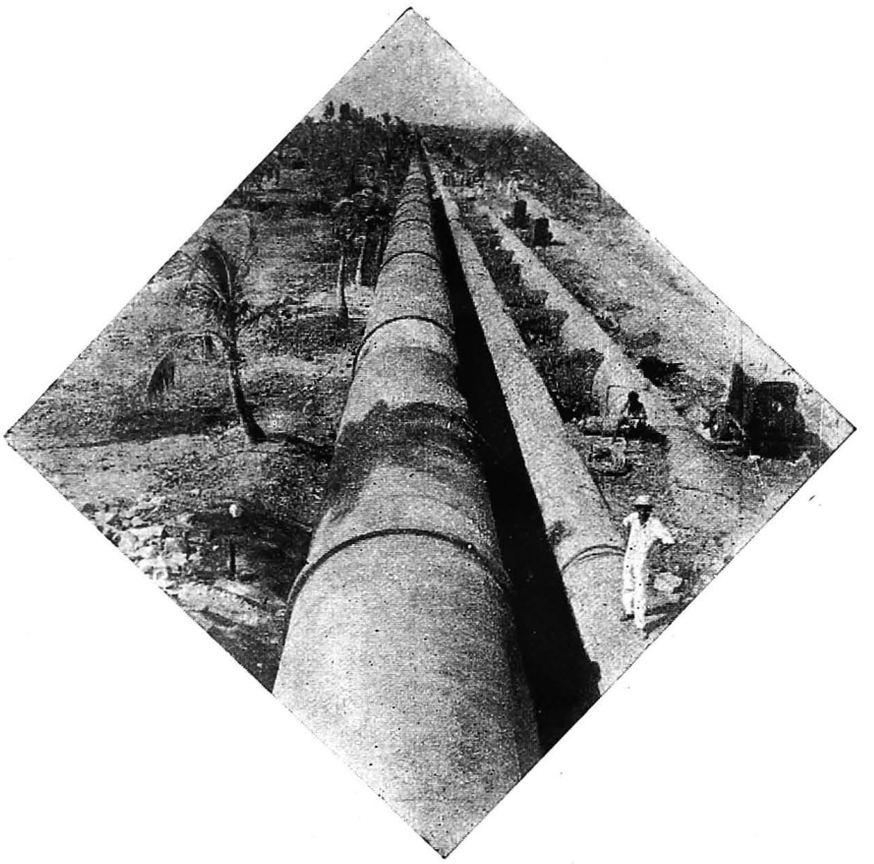
*General view of Dam and Bucket*
*[Position of Bucket for Block Nos. 15 and 16 (part) completed ]*



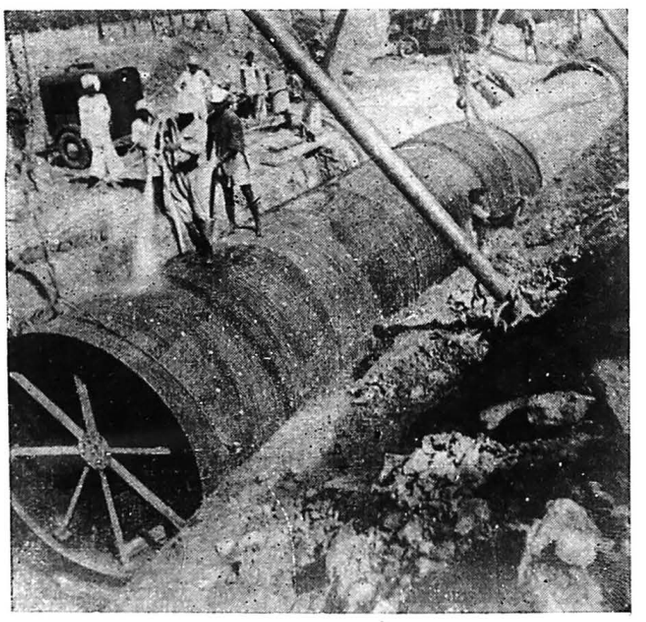
*Shuttering and Reinforcement for Bucket*



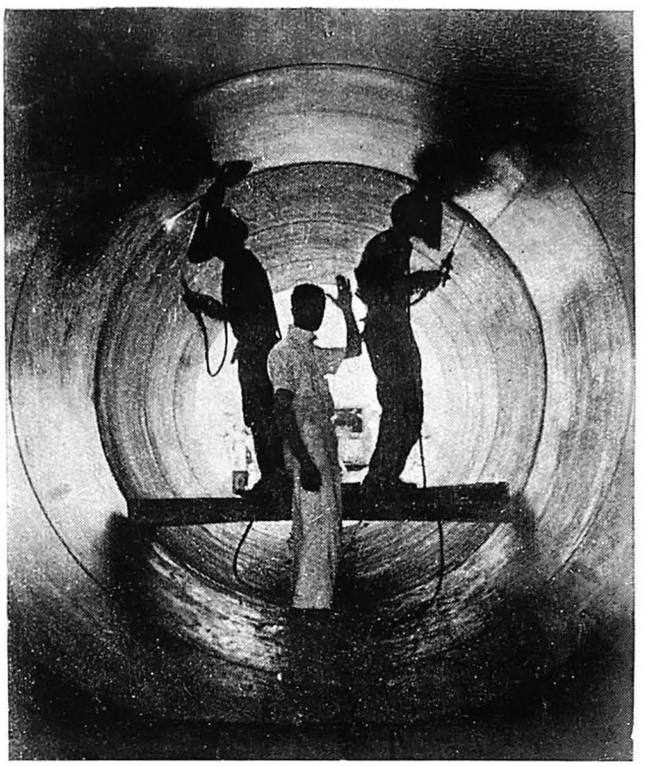
*Intake Tower with Trash Rack*



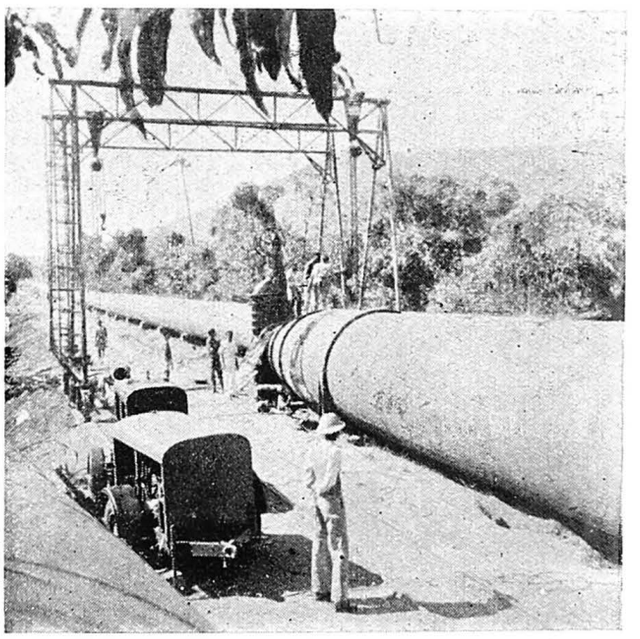
*Panoramic view of 96" dia. pipe line laid along side the existing two 57" dia. mains near Sahar*



*96" dia. pipe line being laid under ground with an out-coating of gunite*



*96" dia. pipe line being field joined internally*



*96" dia. pipe line laid above ground near Mulund. Gantries used for laying pipes are seen in operation. Also 48" dia. Sluice Valve is seen at the far end*

310. The total quantity of the Light Diesel Oil used for running the engines was about 3,04,015 gallons, giving a fuel consumption of about 0.572 lbs. per unit. The total quantity of Lub. Oil used was 6,485 gallons giving a Lub. Oil consumption of 4.16 Lbs. per hour, including oil changes.

311. The performance of the Engines and alternators in the Power House was found to be satisfactory.

## TUNNELS

312. The work of driving the 10'-0" diam. 'Horse-shoe' shaped tunnels between Vaitarna and Tansa together with the inlet and outlet channels at Vaitarna and Tansa end respectively was continued by the contractors Messrs. Hind Constructions Ltd., and Patel Engineering Co., Ltd. The progress of the work during the year was as under :—

313. *Excavation of the tunnels:*—The 700 feet of remianing length of tunnel excavation was carried out. This marked the completion of the work of excavating the tunnel for its full length of 21,120 R. feet.

314. *Concrete Lining:*—The work on concrete lining in the tunnels was continued during the year and was completed. The total length of the tunnel lined with concrete during the year was 13,348 R. ft.

315. *Tunnel Portals:*—Besides completing the portal at tunnel face No. 5, the construction of the retaining walls and the trimming of slopes at Tunnel Face No. 1 was also completed.

316. *Excavation for the Tail Channel:*—The work of excavation for the Tail Channel at Bel Nalla was continued and 2,99,000 cubic feet of rock cutting was completed. The total excavation in rock amounted to about 11,58,000 cubic feet.

317. *Grouting behind the Concrete Lining of the Tunnels.*—The work of grouting under pressure behind the concrete lining of the tunnels was started by the contractors (Messrs. Hind Constructions Ltd., and Patel Engineering Co. Ltd.) on 1st April 1952 and completed for a length of 19,970 R. feet. Further work is in progress

318. *Laying 126' dia. pipe line between Tunnel Faces Nos. 2-3 and 4-5.*—The work of laying 126" dia. pipe line at face Nos. 2, 3, 4 and 5 was commenced by the contractors (Messrs. Structural Engineering Works, Ltd., and Hind Constructions Ltd.), on 27th December 1952. During the year an aggregate length of 99 feet to be embeded in the concrete at the tunnel faces was completed.

(A photograph of Intake—tower is attached)

## EMBANKMENT AND PIPELINE

**Embankment, cutting and other civil works for preparing formation for the pipeline.**

319. *From Bel Nalla to Tansa:*—The work of formation for laying 120" diam. Pipe line and Road from tunnel face No. 6 to Tansa entrusted to Messrs. Mangaldass N. Verma, Ltd., was continued during the year. The total work done upto the year ending was to the tune of Rs. 26.25 lakhs against the contract amount of Rs. 40.59 lakhs. Further work is in progress.

320. *From Tansa to Powai:*—This work was completed by contractors Messrs. Hindustan Construction Co., Ltd., on 6th April 1952 at a total cost of about Rs. 66,00,000 against the contract amount of Rs. 72,59,395. The accounts are being finalised.

321. *Powai to Mahim:*—This work entrusted to the contractors Messrs. Indian National Construction, Co. Ltd., and India Construction Co., Ltd., was completed on 25th December 1952 at a total cost of about Rs. 8,69,000 against the contract amount of Rs. 8,88,826.

322. *Construction of Bandra Bridge:*—This work has been entrusted to Messrs. Chaturbhuj Leeladhar and Co., at a cost of about Rs. 2,54,000. Out of four piers and two abutments of this bridge, the contractors completed work on three piers and one abutment. The remaining pier and abutment are expected to be completed before the end of June 1953. The approximate cost of work done during the year under report comes to about Rs. 1,53,000.

323. *Fabrication and laying pipeline.*—The contractors Messrs. The Structural Engineering Works Ltd., and Hind Constructions Ltd., carried out the work of fabrication and laying of pipelines through out the year. Out of the total length of 20 miles of 96" dia. to be completed during the 1st stage of the Vaitarna-*cum*-Tansa Scheme, the contractors have fabricated pipe-shells for a length of about 5¼ miles and laid in position a length of about 1¼ miles. About 99 R. ft... of 126" dia. pipeline was also fabricated and laid in the tunnel faces at Tasu and Balwant Nalas. The approximate cost of the work done upto 31st March 1953 was about Rs. 26,25,000 as against the contract amount of Rs. 1,08,74,045 for the first stage to be completed by June 1954 This amount is exclusive of steel materials which are to be supplied by the Municipality.

324. *Steel Plates.*—The total quantity of steel plates required for the 1st stage comprising of 20 mile length of 96" dia. pipeline, in addition to small lengths of 126" dia. and 72" dia. pipe lines, will be about 26,84e tons, out of which a quantity of 22,467 tons has so far been received. The balance quantity is expected to be supplied by Government in the course of this and next year.

The steel plates required for 2nd stage will be about 46,400 tons and Government has been requested to allot steel for this stage from now.

325. *Departmental Works.*—A number of works such as preparing trenches, anochor-blocks, thrust blocks cross connections, chambers, etc., were sanctioned to be carried out departmentally at a total cost of Rs. 18,00,000. These works are to be executed in conjunction with the pipelaying operations and are in progress.

326. Four photographs showing some important works in progress are enclosed.

## LAND ACQUISITION

327. Out of the total area of 3,991 Acres of private, Inam and Government (Revenue and Forest) lands proposed for acquisition for major works of the Scheme, Awards of compensation amounting to Rs. 5,88,759-7-9 in respect of 15 cases covering a total area of 1 595 Acres 32 Gunthas 7 Annas of private lands were declared by the Acquiring Officers. Reference to Court under the Land Acquisition Act was demanded in three cases. Out of the area of 214 Acres acquired temporarily in 34 cases for Municipal Camps, Contractors' camps, quarry sites etc. an area of 193 Acres involved in 27 cases was restored to the land-owners on completion of works. The work of clearing the jungle in the water-spreed of Vaitarna lake on an area of 1 209 Acres of Inam and Reserved Forest lands was also completed.

328. For the work of laying 96" dia. pipe line from Powai to Mahim proceedings for the acquisition and transfer of an area of 35 Acres of private Government and Railway lands are in progress.

## GENERAL

329. The various amenities provided at the Vaiterna Camp site such as water-supply, transport, telephone communication, medical aid, primary school, postal service, etc., functioned satisfactorily during the year under report.

330. A direct trunk telephone line was laid by the Indian Posts and Telegraph Department at the request of the Municipality on condition that the Municipality would pay the cost of installation *viz.*. Rs. 60 000 over a period of 10 years. The necessity of the trunk line was keenly felt to maintain communication between Bombay and Vaitarna particularly because the existing telephone service was found to be unreliable. A portion of the cost of installation has been agreed to be borne by the Municipal Contractors Messrs. The Hindustan Construction Co. Ltd. (Rs. 18 000) and Messrs. Hind Constructions Ltd. and Patel Engineering Co. Ltd. (Rs. 6 000). The trunk line was put into commission from 5th June 1952 and has been working satisfactorily.

331. *Kalu River Gauging.*—The river gauging and rainfall recorded at the proposed dam site at Kalu river was continued during the year with a view to collect data for future augmentation of water-supply.

332. *Aerial survey of Vaitarna valley.*—Messrs. Air Survey Co. of India Ltd. checked some of the triangulation and ground survey points established by the Municipal staff and the work of preparing contour map was taken in hand by them.

333. *Rainfall gauging in the Vaitarna Catchment.*— 11 rain-gauging Stations were established in the Vaitarna Catchment and the data regarding the rainfall was collected. The average rainfall throughout the catchment was about 104".

334. *Total expenditure.*— The total expenditure booked upto the end of 31st March 1953 for the various items of the Scheme is given below :—

| | | Rs. | as. | ps. |
|---|---|---|---|---|
| I.—Survey | | 93.591 | 0 | 0 |
| II.—Preliminary works | ... | 20 57 991 | 0 | 0 |
| III.—Land acquisition | ... | 6 46 657 | 0 | 0 |
| IV.—Dam and appurtenant works | ... | *2 45 65 183 | 0 | 0 |
| V.—Tunnels and appurtenant works | ... | 1 43 82 299 | 0 | 0 |
| VI.—Pipeline | ... | 1 87 94 260 | 0 | 0 |
| VII.—Quarters | ... | 7.06,308 | 0 | 0 |
| VIII.—Miscellaneous | ... | 29,93,736 | 0 | 0 |
| IX.—Supervision | ... | 33,28,406 | 0 | 0 |
| Total | ... | 6,75,68,431 | 0 | 0 |

* This figure includes advances given against preliminary works and plant and machinery as under:—

| *75 Per cent. advance against Preliminary Works* :— | | Rs. |
|---|---|---|
| Advance given | ... | 29,89,625 |
| *Less*—Amount recovered | ... | 6,81,335 |
| To be recovered | ... | 23,08,290 |

| *80 per cent Advance against Machinery.* | | Rs. |
|---|---|---|
| Advance given | ... | 75,23,982 |
| *Less*—Amount recovered | ... | 16,68,856 |
| To be recovered | ... | 58,55,126 |

## STRENGTHENING OF TANSA DAM

335. The Corporation under their Resolution No. 1170, dated the 17th December 1951 accorded sanction to the work of strengthening of Tansa Dam being carried out according to the 'Coyne' method. The tender of Messrs. Patel Engineering Co. Ltd., and Cementation Co., Ltd., for this work, amounting to Rs. 58 lakhs was accepted. The work was commenced by the contractors on 22nd December 1952. The following work was done during the period ending 31st March 1953.

(*i*) Drilling 2½" internal dia. holes in the dam masonry and foundation rock, etc. ... 13,750 R.ft.

(*ii*) Excavation in dam masonry to accommodate load distribution slab ... 8,684 C.ft.

336. The consultant for this work, Mr. A. Coyne and his Assistant Mr. Londe inspected the work in March 1953 and expressed satisfaction. Further work is in progress.

## APPENDIX A

*Statement showing the works provided for and carried out during the year 1952-53 under Special Repairs.*

| Serial No. | Name of the Work. | Amount Provided | Expenditure booked during 1952-53. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. a. p. | |
| 1 | Oil-painting 2nd floor at Municipal Head Office Building ... | 9,993 | 5,517 12 0 | Completed. |
| 2 | Oil-painting walls and polishing door etc., of Corporation hall at Municipal Head Office ... | 1,440 | 1,311 15 0 | Do. |
| 3 | Providing Weather Sheds to W. P. and W. C. passage at Imamwada Chawl ... | 2,193 | 1,848 15 0 | Do. |
| 4 | Reconditioning wood-work of balcony at Plot No. 105/3 ... | 6,506 | 6,260 13 0 | Do. |
| 5 | Renewing door shutters at Chawls Nos. 4, 5 and 6 at Chinch Bunder Road ... | 785 | 777 8 0 | Do. |
| 6 | Removing old rusted storage tank and providing new storage tank at plot No. 42/49 ... | 554 | 526 13 0 | Do. |
| 7 | Constructing chowki for S. P. material at Chawl No. 2, Sydenham Road... | 260 | 186 6 0 | Do. |
| 8 | Oil-painting to the roof of the Officers' Quarters at Plot No. 37/3 ... | 2,090 | 1,966 8 0 | Do. |
| 9 | Providing W. C. on the first floor for Officers at Plot No. 37/3 ... | 1,680 | 1,551 7 0 | Do. |
| 10 | Renewing Old Shutters of godowns Nos. 9 and 10 at Plot No. 104/3 ... | 439 | 438 0 0 | Do. |
| 11 | Providing and fixing new staircase at Plot No. 37/3 ... | 2,108 | 2,078 14 0 | Do. |
| 12 | Providing Nahani with 'Y' bend and covering open channel at Chawls Nos. 1, 3, and 4 at Chinch-Bunder Road ... | 6,955 | 6,558 8 0 | Do. |
| 13 | Renewing for soil pans of W. C. at Plots Nos. 37/3, 27/3 and case No. 311A/14 ... | 413 | 380 4 0 | Do. |
| 14 | Oil-painting wood-work at Sydenham Road Chawls Nos. 1, and 2 and Blocks 1 to 8 Scheme 37 internally ... | 1,7464 | ... | Work in progress. |
| 15 | Oil-painting wood work at Sydenham Road Chawls Nos. 1 and 2 and Blocks 1 to 8 Scheme 37 externally ... | 10,400 | ... | Do. |
| 16 | Closing up open space with X P. M. on 1st and 3rd floors of Chawls Nos. 1, 2, 3, 5 and 6 at Imamwada ... | 6,904 | ... | Not started. |
| 17 | Closing up open space with X P.M. on 1st and 3rd floors of Chawl No. 4 at Imamwada ... | 1,476 | ... | Incomplete. |
| 18 | Providing wooden joist ceiling etc., of R. No. 63-64 Plot No. 102/3 ... | 2,032 | ... | In progress. |
| 19 | Providing X P. M. partitions and removing R. C. C. wall and repairs to parapet wall at Mandvi Koliwada Chawls Nos. 2 and 4 ... | 3,485 | ... | Work not started. |
| 20 | Providing and fixing vent pipe to nahani at Chinch Bunder Chawls Nos. 1, 3 and 4 ... | 2,431 | 2,366 0 0 | Complete. |
| 21 | Renewing flushing tanks at Chinch Bunder Chawls Nos. 1, 3, 6 and 7 Scheme 29 ... | 416 | 390 0 0 | Do. |
| 22 | Renewing cement concrete flooring and teak wood joist of balcony at 3rd and 4th floors at Plot No. 104/3 ... | 500 | 348 8 0 | Do. |
| 23 | Renewing cement concrete flooring and teak wood joists of balcony at 2nd floor at Plot No. 104/3 ... | 500 | 372 0 0 | Do. |
| 24 | Providing pump house and storage tanks etc., for improving water supply at Chawl No. 1 at Chinch Bunder ... | 6,510 | ... | Not started. |
| 25 | Providing pump house and storage tanks etc., for improving water supply at Chawl No. 3 at Chinch Bunder ... | 6,510 | ... | Do. |
| 26 | Providing Pump House and Storage tanks etc., for improving water supply at Chawls Nos. 4 and 5 at Chinch Bunder ... | 10,077 | ... | Do. |
| 27 | Providing Pump House and Storage tanks etc., for improving water supply at Chawls No. 6 and 7 at Chinch Bunder ... | 1,077 | ... | Do. |
| 28 | Removing partition wall, glazed tiles and flushing tank to public urinal No. 8 34 Sholapur street ... | 250 | 216 4 0 | Completed. |
| 29 | Removing marble partition of public urinal at Surat Street ... | 133 | 112 9 0 | Do. |
| 30 | Making temporary arrangements of storage tank water at J. R. Dispensary ... | 96 | 91 8 0 | Do. |
| 31 | Alteration of Office roof at Memonwada Fire Station ... | 452 | 420 10 0 | Do. |
| 32 | Painting and general repairs to Pleasants' Cage at Victoria Gardens ... | 2,018 | 1,219 6 0 | Incomplete. |
| 33 | Improving Water Supply at 21, Chandanwadi, Chawl No. 6 ... | 500 | 358 8 0 | Completed. |
| 34 | Improving the water supply at case No. 92, Scheme 37 at Ibrahim Rahimtulla Road ... | 707 | 387 6 0 | Do. |
| 35 | Providing C. I. Sheet gate to gully trap on North side at East entrance Scheme 37 at Ibrahim Rahimtulla Road ... | 67 | 66 12 0 | Do. |
| 36 | Electric Wiring work at C. S. Quarters at Chandanwadi ... | 298 | 260 15 0 | Do. |
| 37 | Giving one new water connecton on ground floor and some alteration in the existing connection at 16, Islampura, Bhatariya House ... | 289 | 137 10 0 | Complete |
| 38 | Providing separate W. P. at Sweepers' Quarters at Princes Street ... | 480 | 274 4 0 | Incomplete. |
| 39 | Removing coba flooring of room No. 7 1st floor case No. 93, Scheme 37 at Ibrahim Rahimtulla Road ... | 657 | 500 14 0 | Complete. |
| 40 | Removing coba flooring of Rooms Nos. 2 and 3 1st floor at case No. 93, Scheme 37 ... | 1,429 | 1,156 1 0 | Do. |
| 41 | Oil-painting, Varnishing, colour and lime washing etc., at T. B. Clinic at Princess Street ... | 2,000 | 1,338 0 0 | Do. |
| 42 | Providing opening between Museum and Wailing Hall at T. B. Clinic Princess Street ... | 200 | 365 12 0 | Do. |
| 43 | Structural repairs to the sanitary block at B and C Wards offices at Gujar Street ... | 1,446 | 1,380 8 0 | Do. |
| 44 | Renewal of soil pans at North Brook Street Junction Grant Road ... | 643 | 589 6 0 | Do. |
| 45 | Renewal of decayed beam of the godown of Licence Department ... | 820 | 732 14 0 | Do. |
| 46 | Renewing coba flooring at Gujar Street Ward Office ... | 292 | 289 2 0 | Do. |
| 47 | Cement concreting the passage of the Chawls Nos. 1 and 19 ... | 413 | 422 7 0 | Do. |
| 48 | Providing washing arrangements to the Katchra Street in Chawls Nos. 9 and 10 ... | 111 | 105 4 0 | Do. |
| 49 | Providing partition in the bath room blocks at Mahalaxmi S.P. Sheds ... | 278 | 115 2 0 | Do. |
| 50 | Providing India Patent Stone flooring in Chawl No. 6 ... | 4,226 | 2,549 1 0 | Do. |
| 51 | Providing 5 light points and 2 plug points in D Ward Office, Bellasis Road ... | 288 | 244 7 0 | Do. |
| 52 | Providing open gutter around washing place at Mahalaxmi S. P. Sheds... | 148 | 150 11 0 | Do. |
| 53 | Providing Indian Patent Stone flooring in Chawl No. 11 ... | 3,168 | 3,083 11 0 | Incomplete. |
| 54 | Providing dust bin shed at Mahalaxmi S. P. Sheds ... | 401 | 385 8 0 | Completed. |
| 55 | Providing and fixing old corrugated sheets on back side of roof trusses etc., at Nagpada Chawl No. 18 ... | 349 | 303 2 0 | Do. |
| 56 | Providing Indian Patent Stone flooring in Chawl No. 9 ... | 3,488 | 3,220 0 0 | Incomplete. |
| 57 | Removing rank vegetation at Mahalaxmi S. P. Sheds ... | 100 | 70 0 0 | Do. |
| 58 | Converting one cnildrens' W. C. into a bathroom in chawls 1 and 3 at Bellasis Road ... | 241 | 230 0 0 | Do. |

## APPENDIX A—*Contd.*

| Serial No. | Name of the Work. | Amount Provided | Expenditure booked during 1952-53. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. a. p. | |
| 59 | Providing India Patent flooring in chawl No. 10 ... | 3,488 | 37 10 0 | Incomplete. |
| 60 | Providing and fixing ball cocks etc., in Chalws Nos. 1 to 10 at Bellasis Road ... | 1,123 | 157 9 0 | Do. |
| 61 | Providing brick wall near sand pit in the compound at Bellasis Road ... | 285 | 3 3 0 | Do. |
| 62 | Providing open gutter around the washing place near Chawl No. 16 at Mahalaxmi S. P. Sheds ... | 192 | 105 0 0 | Completed. |
| 63 | Providing a Verandah with a roof in S. G.,'s Office at Victoria Gardens... | 1,864 | 1,524 13 0 | Do. |
| 64 | Repairs and painting to Camel House at Victoria Gardens ... | 2,760 | 2,349 7 0 | Do. |
| 65 | Sub-Oil-Painting the Quarters of Assistant to S. G. Victoria Gardens ... | 775 | 9 14 0 | Incomplete. |
| 66 | Oil-Painting 1/3rd Angle Iron Fencing at Victoria Gardens ... | 2,589 | 1,884 8 0 | Do. |
| 67 | Providing weather shed to the windows, renewing railing at Peons' Quarters at Peddar Market ... | 1,141 | 1,035 4 0 | Completed. |
| 68 | Replacing the main switch and renewing the main wire at ground floor, Block No. 2 of Love Lane Chawl Scheme 62 ... | 25 | 18 7 0 | Do. |
| 69 | Providing and fixing missing ball valves and other sanitary apparata etc., of the flushing tanks of W. Cs. on all the floors at Love Lane Chawls Scheme No. 62 ... | 521 | 428 4 0 | Do. |
| 70 | Providing X P. M. to the opening on the 1st floor chawl Superintendent's Quarter at Love Lane Chawls Scheme No. 52 ... | 187 | 109 12 0 | Do. |
| 71 | Providing New Wire in Chawls Nos. 3 to 15 at Mazgaon Scheme No. 50 | 5,551 | 3,563 8 0 | Do. |
| 72 | Providing a wall and X P. M. to the open in Blocks Nos. 1, 2, 8 and 9 at Mazgaon Chawls Scheme No. 50 ... | 403 | 368 3 0 | Do. |
| 73 | Providing an electric light near Room No. 7 Bolck 'A' at Mazgaon Chawls Scheme No. 50 ... | 55 | 41 14 0 | Do. |
| 74 | Improvement to water supply at Love Lane Chawls Scheme No. 62 ... | 6,797 | 471 13 0 | Incomplete. |
| 75 | Completely renewing 5 W. Cs. at Mazgaon Chawls Scheme No. 50 ... | 365 | 363 12 0 | Complete. |
| 76 | Providing weather sheds to windows at blocks No. 10 to 16 at Mazgaon Chawls Scheme No. 50 ... | 3,449 | 922 0 0 | Incomplete. |
| 77 | Renewing the X P. M. of Gujrati Girls' School at Mazgaon Chawls Scheme No. 50 ... | 190 | 145 5 0 | Completed. |
| 78 | Renewing and providing a new iron door to katchra shed at Mazgaon Chawls Scheme No. 50 ... | 129 | 70 7 0 | Do. |
| 79 | Providing angle iron protection to steps of staircase at blocks 1 to 16 at Mazgaon Chawls Scheme No. 50 ... | 1,034 | 69 11 0 | Incomplete. |
| 80 | Renewing complete soil pans and flushing tanks in blocks 1 to 3 at Love Lane Chawls Scheme No. 62 ... | 2,467 | ... | Not started. |
| 81 | Providing easing arrangements for children at Mazgaon Chawls Scheme No. 50 ... | 2,199 | 1,823 7 0 | Complete. |
| 82 | Providing a Katchra Shoot in chawls Nos. 8 and 9 at Mazgaon Scheme No. 50 ... | 1,686 | 1,663 4 0 | Do. |
| 83 | Additions and alterations to the existing sanitary block for the Office Staff including a comp. for females etc., at Central Stores ... | 401 | 371 5 0 | Do. |
| 84 | Renewing existing mangalore tiled roofing and improving ventilation of Godown at Central Stores ... | 1,600 | 1,549 11 0 | Do. |
| 85 | Oil-painting the South-West room of old nurses' quarters at Arthur Road Hospital ... ... | 169 | 167 0 0 | Do. |
| 86 | Oil-painting the walls and all the wood work, colour washing the walls externally at Ward No. 12 at Arthur Road Hospital ... | 3,905 | 10 5 0 | In progress. |
| 87 | Oil-painting the walls and all the wood work, colour washing the walls externally at Ward No. 11 at Arthur Road Hospital ... | 3,905 | 3 12 0 | Do. |
| 88 | Renewing the planking and joists etc., of each flooring wherever necessary of the Drill Tower in the compound of Haines Road Fire Brigade Station ... | 896 | 889 15 0 | Completed. |
| 89 | Oil-painting, white-washing and Colour washing at 2nd Officers' Quarters at Byculla Fire Brigade Station ... | 1,416 | 5 0 0 | In progress. |
| 90 | Oil-painting, White-washing and colour washing at Shri Pawar's Quarters at Byculla Fire Brigade Station ... | 1,488 | 5 6 0 | Do. |
| 91 | Providing and fixing old corrugated sheet on both the sides of the roof terrace in the passage to prevent the pigeons from sitting thereon at B. I. T. Chawls Nagpada ... | 335 | 190 9 0 | Completed. |
| 92 | Street connection to the Municipal Chawl No. 25 at Wylie Road ... | 369 | ... | ... |
| 93 | Providing 6" intersection to sewer traps in the existing chamber and vent pipe at Agripada Chawls ... | 197 | 40 11 0 | Completed. |
| 94 | Repairs to the decayed wooden ceiling block No. 3 at Agripada Chawls... | 372 | 271 2 0 | Do. |
| 95 | Repairs to concrete pavement to chawls Nos. 2, 10, 11, 12 14, 16 etc., at Agripada Chawls ... | 413 | 386 12 0 | Do. |
| 96 | Renewing the decayed wooden ceiling to rooms Nos. 16 and 17 at Block No. 3 at Agripada Chawls ... | 743 | 571 7 0 | Do. |
| 97 | Providing vertical shoot for receiving and collecting refuse from all floors at Block No. 6 at Agripada Chawls ... | 500 | 451 4 0 | Completed. |
| 98 | Providing vertical shoot for receiving and collecting refuse from all floors at Block No. 2 at Agripada Chawls ... | 463 | 456 14 0 | Do. |
| 99 | Providing vertical shoot for receiving and collecting refuse from all floors at Block No. 1 at Agripada Chawls ... | 463 | 346 14 0 | Do. |
| 100 | Providing X P. M. to the windows of Block No. 4 East side and removing refuse at Mahar Chawl at Clerk Road ... | 218 | 155 13 0 | Do. |
| 101 | Providing an inspection chamber at the Junction of the drain line at New Mominpura Chawls ... | 213 | 142 0 0 | Do. |
| 102 | Renewing the missing sanitary fittings of the flushing tanks attached to the W. Cs. on all the floors at block No. 2 at four blocks at Agripada Chawls ... | 224 | 223 9 0 | Do. |
| 103 | Renewing four soil pans of W. Cs. at ground floor and 1st floor at Peons' chawls ... | 229 | 247 8 0 | Do. |
| 104 | Renewing of soil pans of W. C.s Nos. 47, 48 and 49 of new Mominpura Chawls ... | 238 | 125 7 0 | Do. |
| 105 | Renewing soil pans of W. Cs. No. 37 to 40 and 45 to 48 at Blocks Nos. 3 and 4 and W. Cs. 1 to 4, 9, 10, 17 and 20 attached to blocks No.s 1 and 2 at Mahar Chawls ... | 1,103 | 882 12 0 | In progress. |
| 106 | Renewing W. C. lowered windows on ground floor at Blocks Nos. 1 and 2 at Mahar Chawls ... | 244 | 233 12 0 | Completed. |
| 107 | Renewing W. C. lowered windows on ground floor at Blocks Nos. 3 and 4 at Mahar Chawls ... | 244 | 202 5 0 | Do. |

## APPENDIX A—*Contd.*

| Serial No. | Name of the Work. | Amount Provided | Expenditure booked during 1952-53. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. a. p. | |
| 108 | Providing and fixing X P.M. to the opening of the remaining kitchen at Agripada Chawls ... | 489 | 411 12 0 | In progress. |
| 109 | Renewing the decayed flooring with R. C. C. flooring at room No. 51 block No. 7 of 12 blocks at Agripada ... | 341 | 13 9 0 | Do. |
| 110 | Renewing sanitary fillings of the W. Cs. of ground floor blocks Nos. 1 to 4 at Mahar Chawls ... | 336 | 326 9 0 | Completed. |
| 111 | Providing and fixing sanitary fittings to the W. Cs. of chawls Nos. 1 to 4 Mominpura ... | 1,043 | 14 9 0 | In progress. |
| 112 | Providing and fixing sanitary fittings to the W. Cs. of new Mominpura Chawls ... | 741 | 16 4 0 | Do. |
| 113 | Renewing the flooring with R. C. C. slab pavement at room 17 of Block No 2 of Agripada Chawl ... | 365 | 6 9 0 | Do. |
| 114 | Providing old serviceable storage tank between chawls Nos. 23 and 25 at Haines Road ... | 321 | 320 6 0 | Completed. |
| 115 | Renewing soil pans of W. Cs. of case No. 154 Souter Street ... | 427 | 407 0 0 | Do. |
| 116 | General repairs to the flushing cisterns of all floors at case No. 154 Souter Street ... | 402 | 401 6 0 | Do. |
| 117 | General repairs such as renewal of decayed posts, joists and flooring etc., at Case No. 65 Ripon Road ... | 1,000 | 92 7 0 | In progress. |
| 118 | General repairs such as renewal of decayed parts, joists and flooring etc., at case No. 5 near Old Mominpura Chawls ... | 1,000 | 154 13 0 | Do. |
| 119 | General repairs such as renewal of decayed parts, joists, flooring etc., at Room No. 6-10, W. C. Block etc., at Case No. 64 Ripon Road ... | 1,001 | ... | Do. |
| 120 | General repairs such as renewal of decayed parts, joists, flooring etc., at rooms No. 5, 3, 6, 8 and 9 at case No. 154 Souter Street ... | 1,000 | 299 12 0 | Do. |
| 121 | Repairing the woodwork, white washing the ceiling etc., in J. M. Operation Theatre at K. E. M. Hospital ... | 1,494 | 847 3 0 | Completed. |
| 122 | Renewing teak wood posts of Verandah roof etc., of Administration Block at R. P. T. B. Hospital ... | 194 | 121 3 0 | Do. |
| 123 | Converting carpenters' workshop into quarters at Municipal General Hospital at Sion ... | 1381 | 1,231 12 0 | Do. |
| 124 | Repairs to C. I. Sheets roofiing and repairing door shelters and other minor repairs to 28-seated latrine at Dharavi ... | 929 | 853 7 0 | Do. |
| 125 | Reparing the wood work etc., at Assistant Dean's quarters at K. E. M. Hospital ... | 1,615 | 1,374 7 0 | Do. |
| 126 | Renewing drain pipe, soil tube, vent pipe, replacing and raising other sanitary fittings in W. Cs. at H. D. Chawls at Dadar Main Road ... | 3,129 | 746 3 0 | Do. |
| 127 | White-washing structures Nos. T/61, T/64, T/66 T69 and nurses quarters at M. G. H. Sion ... | 2,656 | 2,569 1 0 | Do. |
| 128 | White and Colour washing structure of M. O. T. Labour Ward and Office at M. G. H. Sion ... | 1,195 | 1,137 2 0 | Do. |
| 129 | Providing corrugated cement sheet roof over R. P. T. B. Hospital ... | 5,196 | 5,103 4 0 | Completed. |
| 130 | Making door shutters for two wall cupboards at K.E.M. Hospital ... | 30 | 26 12 0 | Completed. |
| 131 | Repairs to the front gallery on the first and second floors of case No. 224 Scheme 31 ... | 1,373 | 1,502 14 0 | Do. |
| 132 | Renewing the broken (1) Inspection chamber, frame and cover (2) C. I. Grating, and (3) C. I. Gully trap at Naigaum Labour Camp | 296 | 254 11 0 | Do. |
| 133 | Providing X P. M. panes to the verandha opening at Block No. 4, first floor Matunga ... | 500 | 638 1 0 | Do. |
| 134 | Providing X P. M. to the windows of W. Cs. and staircase near Engineer's office at Matunga ... | 155 | 240 7 0 | Do. |
| 135 | Closing the gaps by C. I. Sheet at 1st floor near staircase 27/31 Parel ... | 337 | 296 10 0 | Do. |
| 136 | Closing the open verandha to convert them into the class rooms at case No. 60/84 Bhoiwada Upper Marathi Municipal School ... | 3,342 | 2,858 14 0 | Do. |
| 137 | Providing additional two rooms in O. P. D. between structures Nos. T/2, T/7 at Municipal General Hospital at Sion ... | 4,805 | 4,805 12 0 | Do. |
| 138 | Removing decayed weather shed and providing a new one at case No. M/298B ... | 807 | 513 3 0 | Do. |
| 139 | Providing storage tank of 800 gallons at Central Bangalow of M/298 ... | 589 | 536 12 0 | Do. |
| 140 | Providing permanent weather shed to the verandha of the Portuguese Church Road Marathi Municipal School ... | 509 | 387 5 0 | Do. |
| 141 | Removing the corroded and hence unserviceable storage tank of W. C. at North side of Labour Camp at Worli ... | 966 | 960 0 0 | Do. |
| 142 | Renewing the storage tank of urinal at School at New Labour Camp at Worli ... | 630 | 629 14 0 | Do. |
| 143 | Providing X P.M. to 50 S. P. Rooms at new Asphalt Plant Worli ... | 2,317 | 1,558 0 0 | Do. |
| 144 | Cement pointing the Shahabad Stone pavement in fish section at Fergusson Road Market ... | 457 | 449 11 0 | Do. |
| 145 | Repairing to flooring and door shutters of sanitary blocks at Cadell Road Maternity Home ... | 374 | 374 0 0 | Do. |
| 146 | Renewing the Inspection Chamber covers and gully trap covers at new labour, camp, Worli ... | 497 | 496 5 0 | Do. |
| 147 | Closing the gaps between roof and principal rafters with brick masonry at 50 S. P. rooms Asphalt Plant Worli ... | 1,107 | 1,023 11 0 | Do. |
| 148 | Renewing the decayed weather shed of the South side window in case No. 10 Scheme 58 ... | 196 | 192 6 0 | Do. |
| 149 | Oil-painting the roof and side walls of the west side verandha of the case No. 10 Scheme 58 ... | 248 | 245 5 0 | Do. |
| 150 | Oil-painting the rooms in charge of the Welfare Centre at 12 Halalkhore Chawl Prabhadevi ... | 181 | 152 6 0 | Do. |
| 151 | Oil-painting the servants quarters of S.A.'s Bungalow at Bandra Slaughter House ... | 582 | ... | In progress. |
| 152 | Oil-painting the office rooms at Begarj Chawls etc., at Haines Road ... | 2,910 | ... | Do. |
| 153 | Oil-painting the walls of the Municipal Marathi School at L. G. P. Station, ... | 601 | 3 5 0 | Do. |
| 154 | Oil-painting the four bungalows at L. G. P. Station ... | 5,820 | ... | Do. |
| 155 | Oil-painting the red brick chawl at L. G. P. Station ... | 1,001 | ... | Do. |
| 156 | General Repairs to the washing places and W. Cs. at M/295 Shroff Wadi (acquired by Municipality) at T. P. Road ... | 2,791 | 2,423 0 0 | Completed. |
| 157 | Converting existing pantry room into basket system at No. M/298B. (acquired property) ... | 736 | 595 3 0 | Do. |
| 158 | Renovating the tin shed in G-Ward Office compound ... | 8,312 | 5,328 12 0 | In progress. |

## APPENDIX B

*Statement showing the works provided for and carried out during the year 1952-53 under New Works :—*

| Serial No. | Name of the Work. | Amount Provided | Expenditure booked during 1952-53. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. a. p. | |
| 1 | Providing XP M fencing in fish section at Erskine Road Market ... | 2,604 | 2,250 9 0 | Completed. |
| 2 | Providing XP M fencing in Vegetable Section at Erskine Road Market ... | 1, 17 | 1,290 5 0 | Do. |
| 3 | Providing XP M fencing in flower Section at Erskine Road Market ... | 3,017 | 1,774 4 0 | Do. |
| 4 | Providing XP M fencing in Old Vegetable Section at Erskine Road Market | 2,068 | 1,790 0 0 | Do. |
| 5 | Providing white marble partition and automatic C. I. flushing tank at public urinal at Northbrook Garden ... | 816 | 816 0 0 | Do. |
| 6 | Converting existing 16 wooden stalls into R. C. C. stalls in flower Section at Erskine Road Market ... | 3,674 | 3267 13 0 | Do. |
| 7 | providing sand pit at Northbrook Garden ... | 731 | 557 3 0 | Do. |
| 8 | Renewing the R. C. C staircase on Grant Road overbridge leading to Grant Road Railway Station ... | 3,589 | 5,660 0 0 | Do. |
| 9 | Raising the height of the wall between the bund and the paved footpath near burning pyres at Tank Bunder Hindu Cemetery ... | 1,064 | 976 3 0 | Do. |
| 10 | Converting the existing C. I. sheet shed in two rooms, one for dresser and one for dispensary at Infirmary in Victoria Gardens ... | 1,379 | 1,188 13 0 | Do. |
| 11 | Providing partition in pigeon cage at Victoria Gardens ... | 221 | 150 2 0 | Do. |
| 12 | Converting the washing room into W. C. in front of S. G.'s office at Victoria Gardens ... | 709 | 610 1 0 | Do. |
| 13 | Providing a roof on the public urinal at Parel Road ... | 1,523 | 1,270 0 0 | Do. |
| 14 | Constructing a new C. I. sheet compound wall at G. M. C. Market ... | 7,463 | 5,755 5 0 | Do. |
| 15 | Providing a W. C. For staff at B. Y. L. Nair Hospital ... | 2,123 | 1,732 0 0 | Do. |
| 16 | Providing X PM to the entrance of central godown of Central Stores at DeLisle Road ... | 1,223 | 1,098 0 0 | Do. |
| 17 | Providing additional water entrances (4 Nos.) in the open space of the yard of Central Stores ... | 1,882 | 6 0 0 | In progress. |
| 18 | Providing glass tiles and ventilating tiles (Mangalore pattern) at A and B Blocks of Arthur Road Health department chawls ... | 685 | 545 2 0 | Do. |
| 19 | Cement concrete pavement around the kitchen in the open space at B. Y. L. Nair Hospital ... | 378 | 320 15 0 | Complete. |
| 20 | Providing a chimney of galvanised sheets in the passage of 'A' Block for letting out smoke at Arthur Road Chawls ... | 230 | 214 5 0 | Do. |
| 21 | Providing a chimney of galvanized sheets in the passage of 'B' Block for letting out smoke at Arthur Road chawls ... | 230 | 175 3 0 | Do. |
| 22 | Concreting the passage in front of Engine room and in front of the passage leading to workshop at Bucylla Fire Brigade Station ... | 1,566 | 1,521 10 0 | Do. |
| 23 | Raising the compound wall at the rear of the Bombay Fire Brigade's Workshop at Byculla Fire Brigade Station ... | 1,564 | 1,230 15 0 | In progress. |
| 24 | Converting the passage in front of the engine room at Byculla Fire Brigade Station ... | 1,429 | 1,400 6 0 | Complete. |
| 25 | Providing brick masonry wall to support water tank at mess room in G. S. M. College ... | 149 | 108 10 0 | Do. |
| 26 | Renewing blue stone pavement at Parel Village Market ... | 497 | 506 12 0 | Do. |
| 27 | Providing X PM to the labour ward and kitchen room window ... | 844 | ... | In progress. |
| 28 | Providing nanani to the labour quarters at Fergusson Road Market ... | 415 | 335 3 0 | Complete. |

## APPENDIX C

*Statement showing the Capital Works (Housing only) provided during the year 1952-53.*

| Serial No. | Description of work. | Estimate. | Amount available for expenditure in 1952-53. | Expenditure booked in 1952-53. | Remarks. |
|---|---|---|---|---|---|
| | **Housing Budget 'B'** | Rs. | Rs | Rs. | |
| 1 | Construction of 3rd Chawl at Palton Road ... | 5,09,496 | ... | 1,78339 | Work in completed. |
| 2 | Housing for Poorer Classes— | | | | |
| | (A) Construction of 875 tenements at Mang Garudi Camp Dharavi— | | | | |
| | (*i*) Construction of 359 tenements, (including 2 blocks for School) ... | 4,87,237 | | 23,902 | Work completed accounts are being adjusted |
| | (*ii*) Construction of 365 tenements ... | 5,31,610 | 62,000 | 5,806 | Do. |
| | (B) Construction of 1,151 temporary tenements in different parts of the City— | | | | |
| | (*i*) Construction of 70 tenements at Sion ... | 1,68,055 | 26,000 | 18,540 | Work completed. |
| | (*ii*) Construction of 66 tenements and a school block equivalent to 11 tenements at Wadala and 7 tenements at Naigaum ... | 1,81,668 | 66,300 | 38,336 | Work completed Final bill is being submitted to C. A |
| | (*iii*) Construction of 64 tenements on the land near Andhra Valley Power Supply Co., Dharavi | 1,92,739 | 1,50,000 | 1,28,129 | Do. |
| | (*iv*) Construction of 128 tenements at Haystack Road | 6,55,545 | 2,60,000 | 1,90,165 | Work completed. Final bill under preparation. |
| | (*v*) Construction of 110 tenements at Haystack Road**. | | | *Nil* | ** Tenders are being invited. |
| | (*vi*) Construction 219 of tenements and 44 flats at Wadala. ... | 8,69,489 | 2,05,250 | *Nil* | Work on 44 flats and 10 tenements is in progress. |
| | (*vii*) Construction of two storeyed structures comprising 194 tenements at Sewri ... | 7,24,063 | 10,000 | 162 | Work in progress. |
| | (C) (*i*) Construction of 14 tenements at Chinchpokli ... | 44,033 | | *Nil* | Tenders are being invited. |
| | (*ii*) Construction of 60 tenements at Shantinagar Arthur Road. ... | 2,05,421 | | *Nil* | Do |
| 3 | **Housing for squatters on land at Mankhurd.** | | | | |
| | (*i*) Construction of 13 sanitary units at Mankhurd | 3,62,134 | | 16,236 | Work completed. |
| | (*ii*) Levelling the site and providing macadam road at Mankhurd Colony ... | 2,07,068 | | 132 | Do. |
| | (*iii*) Construction of 12 shops and 5 rooms for Sweepers at Mankhurd. | 38,985 | 1,30,800 | *Nil* | Do. |
| | (*iv*) Construction of additional Sanitary Units at Mankhurd Colony. | 1,98,796 | | *Nil* | Work in progress. |
| | (*v*) Construction of Macadam Roads and passages at Mankhurd Colony. | 79,914 | | *Nil* | Do. |
| 4 | Housing of squatters on land at Jogeshwari— | | | | |
| | (*i*) Construction of 13 Sanitary Units and an Administrative Block at Jogeshwari. | 3,35,891 | 1,50,000 | *Nil* | Do. |
| | (*ii*) Construction of Macadam roads and passages at Squatters' Colony, Jogeshwari. | 1,81,919 | | *Nil* | Do. |
| | | | Total | 5,99,747 | |

## APPENDIX D

*The list of the Regular Lines sanctioned in the year 1952-53 :—*

| Serial No. | Plan No. | Details. |
|---|---|---|
| 1 | A.E.S. 51<br>8-5-1951 | Revising regular line at the junction of Nepean Sea Road and Nepean Road under Section 297(1)(*b*) are sanctioned under Corporation Resolution No. 1514 of 11-2-1952 as per Case No. E.B./1113-A, of 21-11-1951. |
| 2 | A.E.S. 52<br>2-6-1951 | Revising regular lines at Panjarapole 1st Street are sanctioned under Corporation Resolution No. 469, dated the 14th August 1952. Case No. E.B. 1158/A, dated the 13th July 1951, under Section 297(1)(*b*). |
| 3 | A.E.S. 53<br>27-6-1951 | The prescribing regular line at the junction of public passage and Mount Pleasent Road are sanctioned by M. C. under Section 297(1)(*a*) as per case No. E.B./542-A, dated the 5th July 1951. |
| 4 | A.E.S. 55<br>28-9-1951 | 50' Revised regular lines on Bapty Road between Sukhlaji Street and its junction with Stable Street.<br>(1) Revising curve at the junction of Bapty Road and Sukhlaji Street north side.<br>(2) Between C.S. No. 993, and Shankarrao Pupala Road.<br>(3) Curve on the east side of Shankarrao Pupala Road.<br>(4) Southern line between Sukhlaji Street and Trimbak Parsurem Street.<br>And (5) Southern curve at the end of Bapty Road in front of C.S. No. 1016 and 1015.<br>Above first time regular lines are sanctioned by M.C. under Section 297(1)(*a*), as per Case No. E.B./1937-A, dated the 17th December 1951 and revising regular liner are sanctioned under Section 297(1)(*b*) under Corporation Resolution No. 469 dated the 14th August 1952. |
| 5 | A.E.S. 61<br>5-2-1952 | First time regular lines on Wodehouse Road under Section 297(1) (*a*) in front of C.S. No. 80 and in front of Parsi Sanitorium being C.S. No. 81, on Western side of Wodehouse Road. ( Revised regular line awaiting sanction of the Corporation).<br>First time regular lines are sanctioned by M.C. under Section 297(1)(*a*) as per Case No. E.B./2338-A, dated the 4th March 1952. |
| 6 | A.E.S. 62<br>18-4-1952 | (*A*) Revised Regular Line on the west side of Panjarapole 2nd Street between C. P. Tank Road and Panjarpole Road (West side). Sanctioned under C.R. No. 1552, dated the 30th March 1953.<br>(*B*) Revised regular line on the west side Panjarpole 3rd Street from C. P. Tank Road of C.S. No. 3170, Sanctioned under C.R. No. 1552, dated the 30th March 1953.<br>Prescribing Regular Line on the west side of Panjarpole 3rd street from C.S. No. 3170, of Panjarpole Road. Sanctioned by M. C. under No. E.B./2928-A, dated the 11th June 1952, under Section 297(1)(*a*). |

## APPENDIX 'E'.

*Statement showing the numbers of Summonses issued against house owners, under various sections of the Bombay Municipal Corporation Act with the result of proceedings in the Court.*

| Section of the Act. | No. of prosecutions. | No. of cases withdrawn or complied with. | No. of cases in which parties were acquitted. | No. of cases postponed. | No. of cases in which parties were convicted. | Amount of fine. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | Rs. a. p. |
| 223 ... | 1 | ..... | ..... | 1 | ..... | ..... |
| 231 ... | 3 | 1 | ..... | ..... | 2 | 23 0 0 |
| 251 (*b*) ... | 2 | ..... | ..... | 1 | 1 | 1 0 0 |
| 258 ... | 9 | 1 | ..... | 4 | 4 | 70 0 0 |
| 258 (*a*) ... | 2 | 1 | ..... | ..... | 1 | 1 0 0 |
| 259 (*a*) ... | 5 | 1 | ..... | 2 | 2 | 28 0 0 |
| 304 ... | 1 | ..... | ..... | 1 | ..... | ..... |
| 308 ... | 67 | 3 | 3 | 20 | 41 | 595 0 0 |
| 311 ... | 9 | ..... | ..... | 9 | ..... | ..... |
| 329 ... | 4 | 2 | ..... | 2 | ..... | ..... |
| 337 ... | 679 | 117 | 13 | 193 | 356 | 6,155 12 01 |
| 342 ... | 829 | 240 | 44 | 217 | 328 | 6,596 6 0 |
| 347A ... | 65 | 12 | 2 | 15 | 36 | 564 0 0 |
| 347B ... | 8 | 1 | 3 | 1 | 3 | 31 11 0 |
| 349 ... | 111 | 22 | 3 | 32 | 54 | 507 0 0 |
| 353 ... | 28 | 2 | ..... | 5 | 21 | 293 0 0 |
| 353A ... | 370 | 41 | 6 | 124 | 159 | 4,200 0 0 |
| 354 ... | 1,172 | 300 | 50 | 330 | 492 | 7,997 15 0 |
| 377A (*i*) ... | 312 | 109 | 17 | 12 | 174 | 1,226 0 0 |
| 383 ... | 2 | 2 | ..... | ..... | ..... | ..... |
| 507 (3) ... | 300 | 18 | 1 | 83 | 198 | 2,062 3 0 |
| Total ... | 3939 | 873 | 142 | 1052 | 1,872 | 30,411 15 0 |

## APPENDIX F

*Report on the Dadar Sewage Purification Works for the year 1952-53 (Inclusive of Extension)*

| | | |
|---|---|---|
| (1) Sewage treated | ... | 4,073.53 million gallons |
| (2) Grit removed | ... | 1,83,665 Cu. ft. |
| (3) Screenings removed | ... | 9,947 ,, |
| (4) Sludge to Consolidation Tank | ... | 2,31,05,000 gallons. |
| (5) Sludge to Digestion Tank | ... | 2,28,77,500 ,, |
| (6) Dry matter added to Digestion Tank | ... | 1,14,49,376 lbs. |
| (7) Volatile matter to Digestion Tank | ... | 66,17,728 lbs. |
| (8) Digested Sludge removed | ... | 46,17,000 gallons. |
| (9) Total gas generated | ... | 3,88,45,600 Cu. ft. |
| (10) Gas per gallon of sludge added | ... | 1.73 Cu. ft. |
| (11) Gas per lb. of dry matter added | ... | 3.53 ,, |
| (12) Gas per lb. of volatile matter added | ... | 6.10 ,, |
| (13) Gas per 1,000,000 gallons of sewage treated | ... | 10,039 ,, |
| (14) Total Electric consumption | ... | 13,91,341 K. W. H. |
| (15) Horse Power required per million gallons of sewage treated | ... | 15.21 |
| (16) Total expenditure— | | Rs. |
| (a) Electric Power | ... | 38,518 |
| (b) Salaries and wages fixed including D. A. | ... | 97,497 |
| (c) Materials and supplies (Laboratory included) | ... | 89,428 |
| (d) Miscellaneous expenses | ... | 5,337 |
| Total | ... | 2,30,780 |
| (17) Returns— | | |
| (a) Sales of Gas | Rs. | 78,483— 8—0 |
| (b) Sales of Manure | ,, | 3,880—11—5... |
| (18) Cost per million gallons of sewage trated | ,, | 56.65 |

(19) Analytical Data :—

| | | Sewage. | Purified Eff. of Activated Sludge Plant. | Sewage Ext. | Purified Effluent of Bombay Filters. |
|---|---|---|---|---|---|
| 4 Hours Oxygen absorption | ... | 9.9 | 1.42 | 5.99 | 1.93 p. p. 100,000 |
| Suspended solids | ... | 52.3 | 1.52 | 35.5 | 2.75 p. p. 100,000 |
| Dissolved oxygen | ... | ... | 0.25 | ... | 0.21 p. p. 100,000 |
| B. O. D. | ... | 429.1 | 25.2 | 296.4 | 54.9 |

## APPENDIX G

*Statement showing Gas Generation and Utilisation for the year 1952-53*

| (A) Gas Generation'— | Unit | Unit | Gas Generation in Cu. ft. |
|---|---|---|---|
| (i) Old Digestion Tank. | | | 18,691,800 |
| (ii) New Digestion Tank | | | 20,153,800 |
| | | Total Gas Generation ... | 38,845,600 |

| Revenue by Sales of Gas | (B) Gas Utilisation'— | Per cent. of Total Gas Generation. | Gas Utilised in Cu. ft. |
|---|---|---|---|
| Rs. a. p. | | | |
| 43,563 6 0 | (a) Hospitals. | 37.80 | 14,705,600 |
| 4,896 15 0 | (b) Municipal staff. | 5.30 | 2,091,200 |
| 28,534 11 0 | (c) Private Parties. | 18.06 | 7,018,200 |
| 1,495 0 0 (Lorry charging). | (d) Gas Engine and Compressor | 7.05 | 3,039,251 |
| 78,490 0 0 | Total Gas Utilised ... | 68.21 | 26,854,251 |
| | Total Gas Wasted ... | 31.79 | 11,991,349 |
| | | 100.00 | 38,845,600 Cu. ft. |

## APPENDIX H

*Five years' Summarised Data of Dadar Purification Works.*

| Serial No. | Particulars. | 1948-49 | 1949-50 | 1950-51 | 1951-52 | 1952-53 |
|---|---|---|---|---|---|---|
| 1 | Sewage treated in million gallons ... | 3,443.49 | 2,761.16 | 3,501.286 | 3,952.586 | 4,073.53 |
| 2 | Grit removed in C.ft. ... | 91,850 | 1,47,921 | 1,43,023 | 1,64,434 | 1,83,665 |
| 3 | Screenings removed in C.ft. ... | 4,09) | 4,354 | 4,901 | 9,896 | 9,947 |
| 4 | Sludge to Digestion Tanks in gallons .. | 1,82,50,000 | 1,68,40,000 | 1,44,81,000 | 1,65,39,384 | 2,28,77,500 |
| 5 | Digested Sludge removed in gallons ... | 25,50,000 | 27,75,000 | 29,05,000 | 42,80,000 | 46,17,000 |
| 6 | Total Gas generated in C.ft. ... | 2,42,91,150 | 2,37,59,500 | 2,50,70,465 | 3,29,96,800 | 3,88,45,600 |
| 7 | Electrical Units consumed in K.W.H. | 6,79,790 | 6,75,060 | 10,91,318 | 13,31,092 | 13,91,341 |
| 8 | Total cost of maintenance in Rupees ... | 1,54,456 | 1,60,768 | 1,90,020 | 2,09,142 | 2,30,780 |
| 9 | Electrical Expenses in Rupees ... | 31,126—10—0 | 25,295 | 28,544 | 37,014 | 38,518 |
| 10 | Gas supplied to the K. E. M. and other Hospitals and staff quarters in C.ft. | 93,29,170 | 10,72,200 | 1,47,79,400 | 2,32,94,530 | 2,68,54,251 |
| 11 | Income of the gas supplied to Hospital and staff quarters in Rupees ... | 31,356—7—0 | 32,143—0—0 | 43,573—13—0 | 62,689—15—0 | 78,483—8—0 |
| 12 | Income from the sale of dried sludge manure in Rupees ... | .. | 131 | 1,045—1—0 | 3,079—14—0 | 3,880—11—5 |

## APPENDIX I

### Pumping Stations

| Serial No. | Names of Pumping Stations. | Capacity No. of pumps × G.P.M. | Expenditure 1951-52. Rs. | Expenditure 1952-53 Rs. | Average quantity of sewage pumped per day in million gallons 1951-52. | Average quantity of sewage pumped per day in million gallons 1952-53. | Electric power consumed in 1951-52. K.H.W. | Electric power consumed in 1952-53. K.H.W. | Average rate of electric power per unit 1951-52. | Average rate of electric power per unit 1952-53. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Love Grove No. 1 ... | 2×20 M.G.D. ... | 1,84,220 | 2,46,138 | 72.5 | 71.5 | 27,65,660 | 33,18,320 | .51 | .52 | |
| | ,, ,, No. 2 | 2×40 ,, 2×55 ,, 1×1.25 M.G.D. | | | | | | | | | |
| 2 | Dadar ... ... | 2×2.5 ,, 1×3 ,, | 2,09,142 | 2,30,780 | 3.39 | 3.22 | 13,61,380 | 12,73,640 | .47 | .50 | |
| 3 | Matunga ... ... | 2×6 M.G.D. ... 1×3 ,, | 41,959 | 43,272 | .7 | 8.48 | 7,90,780 | 7,70,129 | .51 | .51 | |
| 4 | Mahim ... ... | 2×1,900 G.P.M. 2×900 ,, | 23,657 | 25,418 | 3.46 | 3.20 | 2,92,866 | 2,83,322 | .7 | .7 | To be replaced shortly by four pumps of 4 m.g.p.d. each. |
| 5 | Jacob Circle ... | 3×5,600 G.P.M. | 34,787 | 43,708 | 7.64 | 7.00 | 3,51,717 | 3,73,922 | .7 | .7 | |
| 6 | Poibavdi ... ... | 2×400 ,, ... | 8,162 | 8,870 | 0.28 | 0.32 | 35,867 | 34,998 | .7 | .7 | To be augmented by 1 of 6 m.g.d. and 1 of 3 m.g.d. |
| 7 | Sewri ... ... | 2×500 ,, ... | 7,116 | 7,250 | 0.44 | 0.24 | 22,097 | 20.437 | .7 | .7 | |
| 8 | Tank Bunder ... | 2×500 ,, ... | 7,204 | 7,160 | 0.45 | 0.30 | 32 680 | 37,737 | .7 | .7 | The 2×900 g.p.m. to be replaced by 2×3000 g.p.m. pumps. |
| 9 | D. D. Chawls (Sewri) ... | 2×500 ,, ... | 10,012 | 10,798 | 0.19 | 0.18 | 8.527 | 17,546 | .7 | .7 | |
| 10 | Wadala ... ... | 3×500 ,, ... | 9,606 | 8,257 | 0.49 | 0.45 | 77,095 | 79,258 | .7 | .7 | |
| 11 | Sion ... ... | 3×500 ,, ... | 5,225 | 5,090 | 0.06 | 0.05 | 13,998 | 14,643 | .7 | .7 | |
| 12 | Dharavi ... ... | 2×2,000 ,, ... | 3,948 | 4,618 | 0.80 | 0.75 | 12,806 | 13,455 | .7 | .7 | |
| 13 | Warden Road ... | 2×500 ,, ... | ... | ... | 0 06 | 0.12 | ... | ... | ... | ... | |

## APPENDIX J

### Compressor Stations

| Serial No. | Name of Compressor Station. | Capacity No and C.ft. per minute at 30 lbs. per sq. in. | Expenditure 1951-52. Rs. | Expenditure 1952-53 Rs. | Power consumed 1951-52 | Power consumed 1952-53. | Average rate for electric power per unit 1951-52. | Average rate for electric power per unit 1952-53. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Colaba ... ... | 1×1,200 1×1,300 1×1,400 | 57,637 | 64,516 | 7,00,230 | 7,29,100 | .43 | .44 | |
| 2 | Robert Road ... | ... | ... | ... | ... | ... | ... | ... | Booster Station |
| 3 | Warden Road ... | 1×1,200 1× 800 | | 45,842 | 5,63,570 | 5,21,598 | .63 | .62 | |
| 4 | Fergusson Road ... | 1×600 3×1,200 | 1,78,897 | 40,088 | 13,76,700 | 11,69,180 | .42 | .43 | |
| 5 | Victoria Gardens ... | 3×1,200 | | 35,754 | 7,68,720 | 7,68,800 | .45 | .45 | |

## APPENDIX K

### Ejectors.

| Serial No. | Names of Ejector. | Capacity. No. of vessels × G. P. M. |
|---|---|---|
| 1 | Nowroji Furdunji Road | ... 2×500 |
| 2 | Colaba Causeway | ... 2×500 |
| 3 | Kitridge Road | ... 2×1000 |
| 4 | 1st Pasta Lane | ... 2×500 |
| 5 | Afghan Church | ... 2×500 |
| 6 | Robert Road | ... 3×250 |
| 7 | Backbay Block No. 2 | ... 2×500 |
| 8 | Behind Churchgate Street | ... 2×500 |
| 9 | Church Street | ... 2×1200 |
| 10 | Princess Dock | ... 3×750 |
| 11 | Chinch Pokli | ... 2×1000 |
| 12 | Sewri Road | ... 2×600 |
| 13 | Carrol Road | ... 2×1000 |
| 14 | Fergusson Road | ... 2×1000 |
| 15 | Delisle Road | ... 2×1000 |
| 16 | Warden Road | ... 2×250 |
| 17 | Setalwad Road No. 1 | ... 2×100 |
| 18 | Setalwad Road No. 2 | ... 2×250 |
| 19 | Chowpatty | ... 2×400 |
| 20 | Wylae Road | ... 2×150 |
| 21 | Worli | ... 3×500 |

# LOVE GROVE PUMPING STATION NO. 1, BOMBAY MUNICIPALITY.

## ANNUAL REPORT FOR THE YEAR

## 1952-53.

| Month. | Sulzer A and B. Hours. | Minutes. | Kirkar Gill C and D | Electrical units consumed. | Silt removed in Tons. | Gallons of Sewage pumped. | Sewage level. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| March ... | 68 | 45 | *Nil.* | 3,44,360 | ... | 5,79,58,095 | 71.8 | |
| April ... | 122 | 30 | ,, | 3,04,800 | 236 | 7,51,73,719 | 72.4 | |
| May ... | 34 | 50 | ,, | 2,64,540 | 148 | 3,24,16290 | 70.5 | |
| June ... | 235 | 15 | ,, | 3,35,440 | ... | 28,53,35,830 | 74.2 | |
| July ... | 711 | 45 | ,, | 3,15,160 | ... | 70,83,76,842 | 74.7 | |
| August ... | 372 | 20 | ,, | 3,06,140 | 52 | 51,10,93,755 | 73.3 | |
| September ... | 249 | 40 | ,, | 2,32,400 | 184 | 34,54,17,700 | 72.5 | |
| October ... | 250 | 00 | ,, | 1,46,640 | 68 | 28,06,79,440 | 72.7 | |
| November ... | 299 | 05 | ,, | 2,59,100 | 224 | 39,08,01,610 | 71.8 | |
| December ... | 320 | 35 | ,, | 2,56,800 | 168 | 39,30,75,145 | 71.5 | |
| January ... | 472 | 10 | ,, | 2,45,780 | 96 | 56,30,86,225 | 72.0 | |
| February ... | 460 | 55 | ,, | 2,19,400 | 104 | 58,23,03,490 | 72.0 | |
| Total ... | 3,597 | 50 | ,, | 32,30,560 | 1,280 | 4,22,57,18,141 | 72.4 | |

| Season. | Total gallons pumped (in Million galls.) | Average of gallons pumped per day (in Million galls.) | Sewage level. |
|---|---|---|---|
| Monsoon ... | 1850.22 | 15.1 | 73.6 |
| Dry ... | 2375.49 | 9.77 | 71.6 |
| Average ... | 4225.71 | 11.6 | 72.0 |

(Sd.) A.E. (L.G.P.)

# LOVE GROVE PUMPING STATION NO. 2, BOMBAY MUNICIPALITY

## ANNUAL REPORT FOR THE YEAR

## 1952-53.

| Month. | Pump No. 1 Hours. | Minutes. | Pump No. 2 Hours. | Minutes. | Silt removed. | Sewage Pumped (Million Gallons). | Sewage level. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| March ... | 562 | 50 | 674 | 05 | | 2309.04 | 71.2 | |
| April ... | 495 | 15 | 608 | 45 | | 2060.80 | 71.3 | |
| May ... | 475 | 20 | 529 | 5 | | 1875.20 | 70.9 | |
| June ... | 589 | 45 | 571 | 5 | | 2167.20 | 76.1 | |
| July ... | 526 | 50 | 410 | 45 | | 1,750.00 | 72.4 | |
| August ... | 627 | 00 | 328 | 10 | | 1738.40 | 73.1 | |
| September ... | 409 | 15 | 361 | 5 | | 1438.00 | 73.4 | |
| October ... | 568 | 20 | 250 | 10 | | 1527.84 | 72.9 | |
| November ... | 608 | 15 | 335 | 00 | | 1760.72 | 72.8 | |
| December ... | 604 | 35 | 310 | 50 | | 1707.20 | 72.8 | |
| January ... | 713 | 10 | 68 | 15 | | 1458.80 | 72.9 | |
| February ... | 594 | 25 | 80 | 5 | | 1359.20 | 72.4 | |
| Total ... | 6,775 | 00 | 4,527 | 20 | | 21152.40 | 72.6 | |

| Season. | Total gallons pumped in Million gals. | Average of gallons pumped per day in Million gals. | Sewage level. |
|---|---|---|---|
| Monsoon ... | 7093.60 | 58.14 | 73.7 |
| Dry ... | 14058.80 | 57.8 | 71.4 |
| Average to the year ... | 21152.4 | 57.95 | 72.6 |

(Sd.) A.E. (L.G.P.)

## APPENDIX M

*Statement showing Road, footpath, drainage and sewer works executed by Contract during the year 1952-53.*

| Serial No. | Name of the work. | Name of contractor and S.C.R. No. and date. | Contract amount inclusive of departmental works. | Actual expenditure including establishment charges during 1952-53. | Total expenditure upto 31st March 1953. | Remarks. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | Rs. | Rs. | Rs. | |
| 1 | Construction of Pumping Station at Fergusson Road junction T.P. Line Road etc., with other allied works. | Messrs. Mangatram Construction Co. S.C.R. No. 1796 of 7-1-1948. | 1,85,957 | 682 | 1,76,167 | Complete. |
| 2 | Providing storm water drain in Love Grove Road from Love Grove Pumping Station to Hornby Vellard. | Messrs. Nagji Narsi and Bros. S.C.R. No. 1657 of 17-12-1947. | 1,30,101 | ... | 79,723 | Do. |
| 3 | Construction of an additional R. C. C. Pump House and Transformer Switch House at Matunga and construction of an Ovoid sewer connecting the existing sewer with the proposed pumping station. | Messrs. D. K. Matiwala & Co. S.C.R. No. 193 of 28-4-1948. | 1,66,952 + 61,039 = 2,27,991 | ... | 1,88,934 | Complete. Accounts being adjusted. |
| 4 | Widening Chowpatty Sea Face Road from the north end of Marine Drive (now Netaji Subhash Road) upto the junction of French Road and providing drainage arrangements thereat. | Messrs. Mangatram Construction Co. S.C.R. No. 1912 of 19-12-1948 and S.C.R. No. 139 of 21-4-1949. | 5,38,746 | ... | 3,99,465 | Complete. |
| 5 | Construction of half width of T. P. Line Road from Dadar to Mahim *i.e.*, between Tilak Bridge and Lady Hardinge Road. | Shri Velji Poonja Shah. S.C.R. No. 2032 of 19-1-1949. | 1,90,722 | 1,727 | 1,72,006 | Do. |
| 6 | Covering the open channel for a length of 1,000' from Dadar Purification Works towards Elphinstone Road. | Messrs. Vithaldas Gangji & Co. S.C.R. No. 2006 of 5-2-1948. | 4,60,413 | 1,58,357 | 3,38,509 | In progress. |
| 7 | Construction of an underground storm water drain and providing cement concrete passage at Tank Bunder Hindu Cemetery. | Messrs. R.S. Hulyalkar & Co. S.C.R. No. 1838 of 23-12-1948. | 37,930 | ... | 30,918 | Complete. |
| 8 | Widening Chowpatty Sea Face Roads between French and Harvey Roads including incidental drainage works. | Messrs. Mangatram Construction Co. S. C. R. No. 1967 of 20-12-49. | 95,850 | 2,782 | 76,654 | Do. |
| 9 | Permanent construction of Sleater Road between Grant Road Railway Station and Falkland Road including other incidental drainage works. | Messrs. Haribhai B. Desai. S.C.R. No. 2199 of 17-1-1951. | 2,60,111 | 26,148 | 1,93,858 | Complete. Accounts are being adjusted. |
| 10 | Construction of 33" pipe sewer along Arthur Road from Arthur Road Bridge to De Lisle Road across Railway Lines. | Shri Balvantrai Jain. S.C.R. No. 2679 of 2-3-1951. | 2,40,099 | 78,544 | 1,86,538 | In progress. |
| 11 | Provision of a Pumping Station with rising main etc., in replacement of existing Ejector Station at Chinchpokli Road—Providing 24" dia. Hume Pipe sewer from the junction of Victoria Garden Road and Chnichpokli Road to the junction of 50' Asphalt Road and Arthur Road. | Messrs. Universal Construction Co. S. C. R. No. 2737 of 22-3-1950. | 1,83,509 | 4,777 | 1,39,949 | Complete. |
| 12 | Provision of storm water entrances at the Railway track at Mahalaxmi Kutchra Siding. | The Western Railway (B. B. & C. I.) S.C.R. No. 1386 of 28-10-1949 | 25,278 | ... | ... | Complete. Detailed accounts of expenditure are awaited from the Western Rly. |
| 13 | Providing 15" & 12" Hume Pipe S.W. Drain with necessary water entrances, ventshaft etc., in Janjikar Street. | Messrs. Vithaldas Gangji & Co. S.C.R. No. 786 of 25-7-1951. | 71,668 | 12,956 | 13072 | In progress. |
| 14 | Construction of 54" all-concrete sewer from the end of manhole of the newly laid 48" concrete sewer to the head manhole of 57" sewer near Haines Road culvert along the proposed 100' Road. | Messrs. Shinde Desai & Co., S.C.R. No. 782 of 25-7-1951. | 65,502 | 9,678 | 46,715 | Complete. Accounts being made up. |
| 15 | Construction of S.W. drains in :-- (1) Katrak Road between Naigaum Cross Road and Tilak Road and (2) Naigaum Cross Road from the junction of Katrak Road to the existing S.W. drain in Naigaum Cross Road. | Messrs. Nagji Narsi & Bros. S.C.R. No. 1257 of 26-9-1951. | ... | 35,241 | 52,813 | In progress. |
| | | | | 3,30,892 | 20,95,321 | |

## APPENDIX M—(*Contd.*)

| Serial No. | Name of the work. | Name of contractor and S.C.R. No. and date. | Contract amount inclusive of departmental works. | Actual expenditure including establishment charges during 1952-53. | Total expenditure upto 31st March 1952. | Remarks. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | Rs. | Rs. | Rs. | |
| | | Brought forward ... | | 3,30,892 | 20,95,321 | |
| 16 | Construction of 48" Hume Pipe S.W. Drain for diverting existing S.W. Drain passing across Grant Road Railway Station. | Messrs. R. B. Munshi & Co., S.C.R. No. 2195 of 9-1-1952. | 45,001 | 7,154 | 7,251 | In progress. |
| 17 | Permanent construction of Sleater Road between Grant Road Railway Station and Nana's Chowk including drainage and lighting arrangements. | Messrs Hiribhai B Desai S.C.R. No. 1194 of 19-9-1951. | 85,610 | 51,585 | 51,696 | Complete. Accounts are being adjusted. |
| 18 | Constructing 6'×9' all-concrete ovoid sewer in Haystack Road from Clerk Road Manhole No. 35 to Manhole No. 42. | Messrs. Allied Construction Co., Ltd., S.C.R. No. 2613 of 28-2-1951. | 2,98,140 | 32,230 | 2,21,993 | Complete. Accounts being adjusted. |
| 19 | Constructing do. do. from Manhole No. 42 to Manhole No. 50. | Do, do. S.C.R. No. 2614 of 28-2-1951. | 3,75,977 | 2,63,821 | 3,28,833 | In progress. |
| 20 | Do. do. Manhole No. 50 to Manhole No. 60 in Relief sewer scheme at Haystack Road. | Messrs. Shah & Vyas. S C R. No. 2716 of 7-3-1951. | 3,65,582 | 2,27,233 | 3,17,133 | In progress. |
| 21 | Construction of an all-concrete 4'-8'×7'-0" ovoid and 54" circular sewer from Manhole No. 8 to Head manhole of the existing 57" sewer along the bank of the new open channel from Haines Road. | Messrs. D. K Mitiwala & Co., S C R. No. 2188 of 9-1-1952. | 2,64,480 | ... | 138 | Being commenced. |
| 22 | Construction of an all-concrete 4'-8'×7'-0" ovoid sewer in Grant Road from junction Falkland Road to junction Charni Road. | Messrs. Universal Construction Co., S.C.R., No. 1756 of 28-11-1951 | 3,72,787 | 1,83,804 | 1,83,804 | In progress. |
| 23 | Construction of 6'×9' all-concrete ovoid sewer from Manhole No. 60 to Manhole No. 71 in Relief sewer scheme in Haystack Road. | Messrs. Shah & Vyas. S.C.R. No. 2689 of 2-3-1951. | 4,49,916 | 1,37,371 | 1,37,371 | In progress. |
| 24 | Construction of an all-concrete void sewer 6'-0"×9'-0' from manhole No. 25 to 35 at Clerk Road (Race Course). | Messrs. Desai Lallubhai & Co., S C R No. 2317 23-2-1949. & 2650 of 3-3-1952. | 5,05,234 | 23,440 | 4,98,437 | Complete. |
| 25 | Constructing 4'-8"×7'-0" all-concrete ovoid sewer along the open storm water channel from the junction of Haines Road to the existing Pumping Station at Love Grove (From M.H. No. 0 to 8. | Messrs Duncan Stratton & Co., L d., S.C.R. No. 2358 of 4-3-1949. | 3,04,156 | 26,851 | 2,43,326 | Complete. |
| 26 | Laying 36" H. P. sewer from T. P. Line Road to the proposed 100' Road through the R. C. Cemetery at Hains Road. | Messrs. Shah & Vyas. S.C.R. No. 1250 of 21-10-1952. | 88,784 | 27,155 | 27,226 | In progress. |
| 27 | (*a*) Construction of a Swimming Pool at Shivaji Park. | Messrs. Shah & Vyas. S.C.R. No. 1929 of 14-12-1949. | 8,96,334 | 1,39,248 | 8,84,813 | Complete. Accounts are being adjusted. |
| | (*b*) Supply and erection of one Cindy water purification and circulating plant. | Messrs. Cindy Filters (India), Ltd., S.C.R. No. 2835 of 29-3-1950. | 1,50,582 | 45,280 | 1,28,054 | |
| | (*c*) Mural painting ... | Shri N. S. Bendre. S.C.R. No. 2179 of 10-1-1951. | 5,250 | 1,890 | 5,250 | |
| | (*d*) Electrical wiring and installation for general lighting and for under-water lighting etc. | Messrs. Hind Industrial and Mercantile Corporation, Ltd. | 62,870 | 30,727 | 52,557 | |
| | (*e*) Construction of staff quarters at Mahatma Gandhi Memorial Swimming Pool. | Messrs. Shivlal & Co. S.C.R. No. 1897 of 5-12-1951. | 43,672 | 39,668 | 39,668 | Complete. Accounts being adjusted. |
| | (*f*) Supplying and providing at site of the Mahatma Gandhi Memorial Swimming Pool Steel Lockers. | Messrs Godrej & Boyce Mfg. Co. L d. S.C.R. No. 2081 of 14-12-1952 | 20,570 | 19,635 | 19,635 | Complete. |
| | | | | 15,37,984 | 52,42,506 | |

## APPENDIX N

*Statement shewing roads, drains and other Works carried out departmentally during the year 1952-53.*

| Serial No. | Name of work. | Actual expenditure including Establishment charges during 1952-53. | Total expenditure upto 31st March 1953. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. | |
| 1 | Renewing or remodelling the old subsidiary S. W. drains in the City— | | | |
| | (a) Laying S. W. drain in Sarang Street ... | ... | 11,116 | A portion of the work is held over for want of funds |
| | (b) Laying S. W. drain in Tejpal Road ... | 5,281 | 5,281 | Completed. Accounts to be adjusted. |
| 2 | Providing traffic amenities such as Traffic islands :— | | | |
| | (a) The junction of Love Grove Road, Fergusson Road and road leading to B. D. D. Chawls. | 621 | 19,294 | Complete. |
| | (b) Mahim Park ... | ... | 9,458 | Do. |
| | (c) The Junction of Sion Agra Road and Dharavi Road ... | ... | 5,622 | Do. |
| | (d) Churchgate Street ... | ... | 5,417 | Do. |
| | (e) Junction of Lady Jamshedji Road and north 'Y' Road ... | 63 | 8,572 | Do. |
| | (f) Junction of Lakhamsi Napoo Road and Kohinoor Road ... | 1,147 | 7,055 | Do. |
| | (g) Junction of King Edward Road and Hospital avenue ... | 1,616 | 6,878 | Do. |
| | (h) Junction of Khareghat Road and Sir Bhalchandra Road ... | 281 | 2,990 | Do. |
| | (i) Junction of Bhandarkar Road and Telang Road ... | 499 | 1,080 | Do. |
| | (j) Junction of Victoria Gardens Road and Chinchpokli ... | 43 | 1,890 | Do. |
| | (k) Junction of Queens Road and Charni Road ... | 687 | 687 | In progress. |
| | (l) Junction of Lady Hardinge Road and Lady Jamshedji Road ... | 1,167 | 1,167 | Complete. |
| | (m) Junction of Mahatma Gandhi Road and Hornby Road near Flora Fountain. | 2,698 | 2,698 | Do. |
| | Providing traffic islands, Refuge islands and Chanellising islands at :— | | | |
| | (a) Junction of Cadell Road and old Prabhadevi Road ... | 234 | 1,918 | Dropped. |
| | (b) Junction of Cadell Road and New Prabhadevi Road ... | 700 | 700 | Complete. |
| | (c) Junction of Wadi Bunder and Reay Road ... | ... | ... | Do. |
| | (d) Providing precast concrete tapering kerbs at Marine Drive ... | ... | ... | Kept pending till the decision on absorbing the bridge carriageway into the footpath is reached. |
| | (e) Junction of Frere Road and Elphinstone Bridge ... | 1,551 | 1,551 | Complete. |
| | (f) Construction of remaining channellising island east and south of the main traffic island and shifting the existing refuge island and extending the existing strip of island east of Churchgate Station. | ... | 1,838 | Do. |
| | (g) Construction of traffic island at the junction of Sayani Road and Gokhale Road (South). | 101 | 465 | Do. |
| | (h) Construction of Refuge island and channellising island and alterations to the traffic island at the junction of Queen's Road and Mayo Road. | 855 | 6,649 | Do. |
| | (i) Traffic island at the junction of Bazargate Street and Sir Pherozsha-Mehta Road. | 392 | 1,024 | Do. |
| | (j) Traffic island, channellising island and refuge island at Jamshedji Tata and Jamshedji Tata Road Extension. | 1,124 | 2,310 | Do. |
| | (k) Channellising island at the junction of Queen's Road and Dinshaw Watcha Road. | 1,424 | 1,429 | Do. |
| | (l) Traffic island at the junction of Olivent Bridge and Victoria Gardens Road. | 43 | 1,890 | Do. |
| | (m) Do. of Sion Road opposite Mysore Road Factory ... | 2,134 | 6,705 | Do. |
| | (n) Do. Currey Road Bridge and Delisle Road Overbridge ... | 295 | 2,105 | Do. |
| | (o) Do. Mahalaxmi Bridge ... | 238 | 595 | Do. |
| | (p) Channelling island at the junction Kohinoor Road and Vincent Rd | 2,003 | 2·03 | Do. |
| | (q) Refuge island at the junction of Princess Street and Kalbadevi Road. | ... | 2,800 | Do. |
| | (r) Traffic channellising island at Jacket Bunder Road junction Reay Road | 7,253 | 7,253 | Do. |
| | (s) Extension of the Refuge island on the Churchgate Street at its junction with Apollo Street and Parsi Bazar Street and construction of Refuge island at the junction of Parsi Bazar Street and Horniman Circle. | 667 | 667 | Do. |
| | (t) Channellising island at the junction of Gowalia Tank Road and Forjett Street. | ... | ... | Do. |
| | (u) Traffic islands and chanellising islands at :— | | | |
| | (i) Mayo Road junction University Road ... | 1,014 | 1,014 | Complete. Accounts being adjusted. |
| | (ii) Mayo Road junction Fuller Street ... | 1,492 | 1,492 | Do. Do. |
| | (v) Providing traffic island at the junction Mount Road and Victoria Rd. | ... | ... | Do. Do. |
| | (w) Do. Mint Road, Ballard Road and Sir Pherozsha-Mehta Road ... | 172 | 172 | Do. Do. |
| | (x) Refuge islands at :— | | | |
| | (i) Keshavji Naik Road junction Sandhurst Road ... | ... | ... | Do. Do. |
| | (ii) Dr. Mathuri Road junction Sardar Vallabhbhai Patel Road ... | ... | ... | Do. Do. |
| | (y) Extending the central reservation at the junction of Wittet Road and Fort Street. | ... | ... | Do. Do. |
| | (z) Refuge island at the junction of Masjid Bunder Road and Frere Rd. | ... | ... | Do. Do. |
| | (zl) Providing chanellising island along Cruicksnank Road south of Main Traffic island at Dhobi Talao. | | | |
| 3 | Construction of footpaths where no footpaths exist:— | | | |
| | (a) 1st Chinch Bunder Road ... | 322 | 7,252 | Complete. |
| | (b) Gibbs Road ... | ... | 8,272 | Do. |
| | (c) Memonwada Road ... | ... | 10,654 | Do. |
| | (d) Pydhonie Road ... | ... | 17,666 | Do. |
| | (e) Nakhoda Street ... | ... | 8,594 | Do. |
| | (f) Cavel Street ... | 677 | 15,638 | Do. |
| | (g) Dr. Viegas Street. ... | 17 | 8,730 | Do. |
| | (h) Thakurdwar Road ... | 381 | 6,640 | Do. |
| | (i) Gowalia Tank Road ... | 3,958 | 27,692 | Do. |
| | (j) Vithalbhai Patel Road ... | 745 | 13,476 | Do. |
| | (k) Vithalbhai Patel Road between B. B. & C. I. Railway Crossing near Kenedy Bridge. | 1,918 | 6,120 | Do. |
| | (l) French Road junction Chowpatty Sea Face Road to Chowpatty Road | 467 | 3,461 | Do. |
| | (m) French Road from Blawatsky Lodge to Higher Road ... | 2,767 | 8,647 | Do. |
| | (n) Sukhlaji Street from Grant Road to Jairajbhai Lane ... | 2,230 | 8,105 | Do. |
| | (o) Sukhlaji Street from Foras Road to Bellasis Road ... | 11,658 | 19,289 | Do. |
| | Total | 61,538 | 2,95,556 | |

## APPENDIX N—(*Contd.*)

| Serial No. | Name the work. | Actual expenditure including Establishment charges during 1952-53. | Total expenditure upto 31st March 1953. | Remarks. |
|---|---|---|---|---|
| | | Rs. | Rs. | |
| | Brought over | 61,538 | 2,95,556 | |
| 4 | Laying sewers in certain roads in the City where no sewers exist:— | | | |
| | (*a*) Laying 9″ pipe sewer in Haines Road X Lane ... | 37 | 5,520 | Complete. |
| | (*b*) Extending 9″ pipe sewer oposite Vanita Samaj at Cadell Road and laying 9″ dia. pipe sewer between Minocher Lodge and Keluskar Road (North) along Cadell Road. | 7,451 | 21,336 | Do. |
| 5 | Providing S. W. drains in certain roads in the City where no S. W. drains exist'— | ... | ... | |
| | (*a*) Providing S. W. drain in Vatsaraj Lane ... | 12,549 | 43,470 | Complete. |
| | (*b*) Providing S. W. drain in University Road ... | 13,861 | 14,168 | Do. |
| | (*c*) Providing S. W. drain in Carroll Road ... | ... | 16,160 | In progress. |
| | (*d*) Providing 12″ H.P. drain in the passage of Mount Road ... | 3,367 | 7,688 | Complete. |
| 6 | Providing underground S. W. drains in lieu of existing open side drain s in the City'— | | | |
| | (*a*) Laying S. W. drain in Carroll Road ... | 29,511 | 31,600 | Complete except some strips disputed by adjoining owner. |
| | (*b*) Laying S. W. drain in Sewri Road between Jakeria Bunder 3rd and 4th Lanes. | 2,223 | 7,018 | Do. |
| 7 | Permanent construction of narrow bye-lanes in the City:— | | | |
| | (*a*) Permanent construction of Panchayat wadi ... | 89 | 10,236 | Complete. |
| | (*b*) Permanent construction of 3rd Pophalwadi ... | ... | 10,328 | Do. |
| | (*c*) Permanent construction of Vatsaraj Lane ... | 4,487 | 11,562 | Do. |
| | (*d*) Permanent constructon of Cheoolwadi ... | 4,944 | 4,944 | Do. |
| | (*e*) Permanent construction of Takwadi ... | 7,142 | 9,555 | Do. Nearly complete. |
| | (*f*) Permanent construction of passage leading to Sitaram Kumbhar chawl. ... | 5,789 | 14,996 | Complete. |
| 8 | Measures for relieving flooding in the City. Replacing the existing 1′—6″ × 1′—9″ dhapa drain in Bhagwanlal Indrajit Road at Banganaga by 30″ dia. pipe S. W. drain for relieving flooding in the locality. | 15,786 | 18,786 | In progress. |
| 9 | Renewing the old air and sealed sewage mains in the City:— | | | |
| | (*a*) Renewing 16″ S. S. main Church Street Ejector ... | 24,833 | 71,490 | Complete. Accounts are being adjusted. |
| | (*b*) Renewing 12″ S. S. main of Warden Road Ejector from Warden Road compressor station to its outfall in Gravitation sewer. | 43,662 | 54,795 | Do. Do. |
| | (*c*) Renewing further length of 12″ S. S. main taking discharge of Nowroji Ferdonji Road Ejector and Colaba Causeway. | 4,592 | 7,117 | Do. Do. |
| | (*d*) Replacing portion of the 6″ Air Main of Asbestos Cement by cast iron piping from Colaba compressor station leading to Churchgate Ejector. | 7,135 | 11,075 | Do. Do. |
| | (*e*) Renewing 9″ S. S. main of Tank Bunder Pumping Station ... | 10,029 | 23,649 | Do. Do. |
| | (*f*) Replacing the 6″ S. S. main of Sewri Pumping Station by 12″ S.S. main. | 3,126 | 5,806 | Do. Do. |
| | (*g*) Renewing 6″ air main from Warden Road Air Compressor Station to Warden Road Ejector. | 4,865 | 4,865 | Do. Do. |
| | (*h*) Renewing 8″ air main from the Colaba Compressor Station to Colaba Causeway. | 8,584 | 8,584 | Do. Do. |
| | (*i*) Renewing the 3″ and 6″ air mains of Nowroji Ferdonji Road Ejector, Colaba. | 5,284 | 5,284 | Do. Do. |
| | (*j*) Renewing the portion of 4: air main from Sewri Road Ejector ... | 2,570 | 2,570 | Do. Do. |
| | (*k*) Replacing the portion of 5″ air main of Asbestos Cement of Afghan Churcn Ejector by C. I. piping. | ... | ... | Dropped. |
| | (*l*) Replacing the 9″ S. S. main of Afgnan Church Ejector by 12″ S. S. main | ... | ... | Do. |
| | (*m*) Replacing the portion of 4″ air main of Asbestos Cement from Afghan Church Ejector by C. I. piping. | ... | ... | Do. |
| 10 | Construction of drains and filling in S. W. channel at the junction of old and New Haines Road:— | | | |
| | (*a*) Manufacturing and supplying penstock ... | ... | 4,188 | Complete. Accounts are being adjusted. |
| | (*b*) Construction of a R. C. C. Deck slab platform, and raising the brick masonry wall etc., of penstock chamber at Haines Road. | 543 | 1,606 | Do. Do. |
| | (*c*) Providing sluice valve and chamber for fair weather connection between 8′ × 7′ double barrelled drain and 57″ dia. sewer at Haines Road. | 2,000 | 2,000 | Do. Do. |
| 11 | Works to be carried out by the side of the open drain from Matunga to Dharavi to pick up the sewage flowing into the open drain. | | | |
| | (*a*) Laying 27″ S. S. main from Matunga Pumping Station to the head manhole of 36″ dia. sewer leading to Dharavi. | 1,12,935 | 1,12,935 | In progress. |
| 12 | Street improvements in different places set backs | 79,280 | 79,280 | |
| 13 | Drainage connection in different parts of the City | 36,200 | 36,200 | |
| 14 | Diverting the discharge from the 16″ S.S. main of Carroll Road Ejecto. to 2′ × 2′ S.W. drain along Fitwala Road. | ... | 8,771 | Complete. |
| 15 | Providing a 12″ dia. S.W. drain in lieu of the existing water course of Fitwala Road and filling in and resurfacing the water course with 1: 2: 4 c.c. slabs. | 108 | 13,373 | Do. |
| 16 | Works in connection with the removal of the surcharged condition of the sewers in the City— | | | |
| | (*a*) Laying a rising main of 30″ dia. in T. P. Line from Pumping Station to Gravitation sewer. | 53 | 5,677 | In progress. |
| 17 | Strengthening the wing wall at Cleaveland Bunder outfall and extending the same to prevent the blocking of the outfall channel | ... | ... | The work could not be taken in hand till the supporting of the rader cable by the Military authorities. |
| 18 | Extending the Chowpatty Bunder ... | ... | ... | To be taken in hand in the next fair season. |
| 19 | Constructing a retaining wall for plot '1C' for being maintained as play-ground near Mafatlal Park at Bhulabhai Desai Road. | 7,040 | 7,040 | In progress. |
| | Total | 5,21,613 | 9,89,308 | |

## APPENDIX P

*Statement of works carried out Departmentally in different Ex-Trust Schemes during the year 1952-53*

| Serial No. | Description of work. | Sanctioned amount. | Expenditure during 1952-53. | Total expenditure upto 31-3-1953. | Remarks. |
|---|---|---|---|---|---|
| | | Rs. | Rs. | Rs. | |
| | *Scheme No. 6 Sion-Matunga Estate.* | | | | |
| 1 | Widening Sion Road No. 1 from the Junction of Roads No. 24 and 3 to Road No. 3-B etc. | 7,018 | 268 | 268 | In progress. |
| 2 | Construction of Road No. 24-C etc. ... | 29,339 | 690 | 24,482 | Completed. |
| 3 | Construction of Road No. 25 between roads Nos. 6 and 18 etc. ... | 1,74,970 | 5,252 | 1,34,631 | In progress. |
| 4 | Construction of Road No. 32 between Roads Nos. 16 and 20 etc. | 79,832 | 12,619 | 78,650 | Completed. Accounts are adjusted. |
| 5 | Construction of Road No. 24A etc. ... | 46,728 | 39,023 | 40,235 | Do. Do. |
| 6 | Construction of Road 24 between Roads Nos. 6 and 18—Planting trees. | 12,670 | 61 | 919 | Work of planting trees entrusted to S. G. |
| 7 | Construction of Road No. 25B ... | 46,172 | 1,271 | 40,479 | Complete. |
| 8 | Construction of Road No. 13—Planting trees ... | 3,563 | 644 | 644 | Work of planting trees entrusted to S. G. |
| 9 | Construction of Road No. 18 ... | 7,213 | 3,467 | 3,467 | Completed. Accounts being adjusted. |
| 10 | Construction of Road No. 31A ... | 65,180 | 9 | 45,814 | Work completed Accounts are being adjusted. |
| 11 | Construction of 40' Road (Extension of Road No. 29) etc. ... | 89,624 | 4,547 | 81,724 | Completed Accounts being adjusted. |
| 12 | Construction of Flank Road ... | 21,622 | 3,335 | 17,417 | Completed. |
| 13 | Construction of a passage between Roads Nos. 26A and 24 ... | 10,241 | 8,195 | 8,195 | Completed. |
| 14 | Construction of a passage between Road Nos. 26A and 24A ... | 40,096 | 4,486 | 31,003 | Do. |
| 15 | Construction of 15' passage between Roads Nos. 30 and 32 ... | 10,684 | 6,467 | 6,467 | Do. |
| 16 | Cutting and levelling the area to the east of Sion Fort for the proposed cremation ground and plot for industry and levelling and filling in the site of the play ground infront of R.C. Cemetry. | 3,07,835 | 8,670 | 2,19,568 | In progress. |
| 17 | Cutting and levelling of the high lands between Road Nos. 28A and 29. | 3,74,636 | 26,038 | 90,966 | In progress. |
| | *Scheme No. 52 Worli.* | | | | |
| 18 | Improving the existing sewerage system in the City—Repairing trenches. | 6,816 | 295 | 295 | In progress. |
| 19 | Construction of Road in the Neighbourhood Unit ... | 4,75,287 | 64,121 | 1,60,093 | In progress. |
| 20 | Providing lighting arrangement at Road No. 13A ... | 2,662 | 2,420 | 2,420 | In progress. |
| | *Scheme No. 56 Dharavi.* | | | | |
| 21 | Works in connection with Dharavi outfall sewers and outfall works including Pumping Station. | 2,22,207 | 65,196 | 93,989 | In progress. |
| 22 | Filling in low lying land ... | 18,106 | 7,934 | 7,934 | Do. |
| | *Schme No. 57 Sewri-Wadala.* | | | | |
| 23 | Construction of Roads Nos. 1, 1A and 10 etc. ... | 2,25,693 | 879,6 | 1,30,733 | Do. |
| 24 | Construction of the Juncion of Matunga Road and Roads Nos. 10, 14A and 15 etc. | 1,18,773 | 32 | 94,522 | Completed. |
| 25 | Construction of Road No. 26 etc. ... | 63,195 | 5,621 | 53,033 | In progress. |
| 26 | Providing sewers and Storm Water Drain in Road No. 32A ... | 15,206 | 127 | 11,435 | Do. |
| 27 | Laying 9" sewer in Jerbai Wadia Road ... | Work carried out at risk and cost of contractors. | 3,159 | 7,201 | Completed. |
| 28 | Construction of Road No. 37A etc. ... | 55,108 | 15,762 | 15,762 | In progress. |
| 29 | Construction of Road No. 18 etc. ... | 84,124 | 634 | 64,101 | Do. |
| 30 | Construction of Road No. 23 etc. ... | 51,338 | 165 | 25,336 | Do. |
| 31 | Construction of Road No. 24 ... | 1,06,105 | 768 | 68,895 | Do. |
| 32 | Construction of a 20' passage between the foot over-bridge at Wadala and the 130' Road No. 15. | 14,885 | 8,057 | 8,738 | Nearing completion. |
| 33 | Construction of Road No. 50 ... | 7,290 | 1,992 | 1,992 | Nearing completion. |
| | *Scheme No 58 Worli Extension.* | | | | |
| 34 | Construction of Road to the East of Worli Hill etc. ... | 2,52,264 | 26,275 | 1,58,558 | Work stopped pending submission of revised estimates. |
| 35 | Construction of Kutcha Road along the extension of Road B.G.K. with sewerage and S. W. drainage arrangements. | 73,052 | 34,151 | 52,070 | Do. |
| | Total ... | ... | 3,70,547 | 17,82,036 | |

## APPENDIX Q

*Statement of works carried out by Contract in different Ex-Trusts Schemes during the year 1952-53*

| Serial No. | Description of works. | Name of Contractor and S.C.R. No. and Date. | Contract amount inclusive of Deptt. works. | Actual Expenditure including Establishment charges during 1952-53. | Total Expenditure upto 31-3-1953. | Remarks. |
|---|---|---|---|---|---|---|
| | *Scheme No. 6 Sion-Matunga Estate.* | | Rs. | Rs. | Rs. | |
| 1 | Construction of Storm Water Drains for area round about King's Circle Railway Station. | Messrs. The Allied construction Co., Ltd., S.C.R. No. 2356 of 13-1-1951. | 73,758 | 19,635 | 64,182 | Completed. A/c. being adjusted. |
| 2 | Providing Concrete (1 : 2: 4) 6" thick slabs along Road No. 13 ... | Messrs. H. N. Narandas & Co., S.C. R., No. 145 of 18-4-1951. | 39,244 | 2,748 | 37,158 | Work completed. A./C are being adjusted. |
| 3 | Providing cement concrete (1: 2: 4) 6" thick slabs along Road No, 24 between Road Nos. 13 and 18. | Messrs. Thakkar Construction Co., S.C.R. No. 211 of 2-5-1951. | 67,728 | 7,109 | 51,047 | Work completed. A/cs. are adjusted. |
| 4 | Construction of 1: 2: 4 cement concrete Road No. 1, including paving footpaths construction of S.W. Drain and laying sewer street connection. | Messrs. Vithaldas Gangji & Co., S.C.R., No. 1258 of 26-9-1951. | 48,223 | ... | 33,788 | Work completed. A/c. are being adjusted. The total expenditure incurred is Rs. 33,788 including Rs. 1,469 payable to the constructors during 1953-54. |
| 5 (1) | Providing and laying 24" dia. stone ware pipe sewer along Flank Road (East) Road No. 22 from the culvert of Tansa Mains to the 42" sewer in Road Nos. 26. | Messrs. Bhupal Construction Co. | 1,06,502 | 120 | 120 | S.C.'s approval is awaited. |
| 5 (2) | Providing and laying 18" Stone-ware pipe from point M to point X to the Head Manhole of 24" sewer in Flank Road (East). | Do. Do. ... | 1,06,502 | | | Do. Do. |
| 6 | Cutting and levelling of tne Hign Lands between Road Nos. 28A and the Eastern carriageway of Kingsway Road No. 26B. | Messrs. Khimji Virji Thakkar. S. C. R., No. 2392, of 25-2-1953 | 3,58,644 | 85 | 85 | Work started. |
| | *Scheme No. 52 Worli.* | | | | | |
| 7 | Construction of 42" dial all concrete sewer in the proposed 100' Road from proposed Pumping Station at Globe Mill passage to Junction Fergusson Road. | Messrs. D. K. Matiwala & Co. S.C.R. No. 2134 of 11-1-1950. | 2,49,550 | 19,578 | 2,20,823 | Work completed. A/c being adjusted. |
| 8 | Constructin of 48" dia. all concrete sewer in tne proposed 100' Road from Junction Fergusson Road to Junction Haines Road. | Messrs. D. K. Matiwala & Co., S.C.R. No. 2135 of 11-1-1950. | 3,18,672 | 31,227 | 2,68,686 | Work completed. A/c are being adjusted. |
| 9 | Construction of a Pumping Station at Globe Mill passage. | Seweree Engineering Constructon Co. S.C.R. No. 1320 of 18-10-1950. | 3,95,631 | 9,924 | 1,91,416 | In progress. |
| 10 | Providing cement concrete slabs along roads A-B-C- and a part, B1 of road B-D and laying 9" in the part B 1 of Road BD along Neighbour-hood Unit near tne Junction of Dr. Annie Besant Road and Cadell Road Worli. | Messrs. Khimji Virji Thakkar. | 1,13,025 | 138 | 138 | Work in progress. |
| 11 | Improving the existing sewerage system in the city-Laying 21"-24" Hume Pipe Sewer in the proposed 100' Road over the S.W. Channel at Worli between Globe Mill Passage and Worli Culvert. | Messrs. C. M. Shah ... | 2,26,649 | ... | ... | S.C.'s approval awaited. |
| | *Scheme No. 56 Dharavi.* | | | | | |
| 12 | Construction of 4'-8"×7'-0" all concrete ovoid sewer from Manhole No. 3 to 19 on tne line A. B. of Dharavi outfall Scheme. | Messrs. New United Constructon and Engineering Co. Ltd., S.C.R. No. 1552 of 26-1-1946. | 2,91,044 | 16,832 | 2,63,660 | Completed. Account are being adjusted. |
| 13 | Construction of 4'-8"×7'-0" all Concrete ovoid sewer from Manhole No. 19 to Manhole No. 36 on the line A-B of Dharavi outfall Scheme. | Messrs. New United Construction and Engineering Co., Ltd., S.C.R. No. 220 of 7-5-1947. | 4,08,458 | 8,320 | 3,33,163 | Do. Do. |
| 14 | Construction of 4'-8"×7'-0" all concrete ovoid sewer on line B-C, of Dharavi outfall Scheme. | Messrs. Allied Construction Co., Ltd., S.C.R. No. 2191 of 18-1-1950. | 4,50,195 | 916 | 3,55,887 | Do. Do. |
| 15 | Construction of 42" all concrete and 36" Hume Pipe Sewer in continuation of ovoid sewer in the proposed 80' Road near Andhra Valley Power Supply Co.'s Receiving Station and Lady Hardinge Road. | Messrs. The Allied Construction Co., Ltd., S.C.R. No. 2474 of 18-2-1950. | 4,37,262 | 2,061 | 3,28,874 | Do. Do. |
| 16 | Construction of 36" sewer in Lady Hardinage Road from G. I. P. Railway Carriage and Wagon Shop near B. B. & C. I. Railway Level Crossing upto the Manhole West of Harbour Branch Railway Loop Line over bridge. | Messrs. Tilak A. Shah. S.C.R. No. 1937 of 7-12-1950. | 3,68,372 | 3,209 | 2,62,264 | Completed Accounts are being adjusted. |
| | | Total ... | | 1,21,902 | 24,11,291 | |

## APPENDIX Q—*Contd.*

| Serial No. | Description of works. | Name of Contractor and S.C.R. No. and Date. | Contract amount inclusive of Deptt. works. | Actual Expenditure including Establishment charges during 1952-53. | Total Expenditure upto 31-3-1953. | Remarks. |
|---|---|---|---|---|---|---|
| | | Brought over ... | Rs. | Rs. 1,21,902 | Rs. 24,11,291 | |
| 17 | Laying 21" Hume Pipe Sewer in proposed road between Junction No. 2 and Junction No. 13 (North East Portion). | Messrs. Shinde Construction Co., S.C.R. No. 1014 of 17-9-1952. | 43,986 | 10,634 | 10,634 | Work near completion |
| 18 | Construction of 42" dia. all concrete or Hume Pipe Sewer from Junction Brahmanwada to point 'D' on 48" dia. sewer in Road No. 19. | Messrs. Khimji Virji Thakkar S.C.R. No. 2081 of 21-1-1953. | 3,71,732 | ... | ... | Work to be started. |
| 19 | Construction of 48" dia. Hume Pipe or all cement concrete sewer between points C and D along Road No. 19, Scheme No. 6 and across Railway tracks in Dharavi outfall scheme. | Messrs. Khimji Virji Thakkar. S.C.R. No. 2085 of 21-1-1953. | 3,08,271 | ... | ... | Do. |
| | *Scheme No. 57 Sewri-Wadala.* | | | | | |
| 20 | Cutting Golanji Hill (2) Removing serviceable rock and (3) Filling in Municipal low-laying lands. | Messrs. G. L. Power & Co., S.C.R. No. 1914 of 21-1-1948. | 11,28,367 | 28,577 | 7,31,014 | Work completed. A/cs are being adjusted. |
| 21 | Construction of 1: 2: 4 cement concrete Road No. 50 between Golanji Hill Road and Jerbai Wadia Road with Sewerage arrangments. | Messrs. Nagji Naris & Bros. S.C.R. No. 2061 of 28-12-1950. | 1,51,243 | 26,250 | 1,14,085 | Do. Do. |
| 22 | Construction of 36" Pipe Sewer in Road No. 30 from Manhole No. 13 to Manhole No. 27 at Sewri Level Crossing. | Messrs. Desai Lallubhai & Co., S.C.R. No. 2325 of 31-1-1951. | 2,52,329 | 1,37,610 | 2,44,910 | Do. Do. |
| 23 | Construction of 36" Pipe Sewer in Road No. 30 from Junction Manhole in Road No. 41 to Manhole No. 13 towards South. | Messrs. Allied Construction Co. Ltd., S.C.R. No. 2277 of 24-1-1951. | 1,37,665 | 1,81,200 | 3,43,171 | Do. Do. |
| 24 | Construction of Western most carriageway of Road No. 15 between Junction of Kingsway and Road No. 4 with 1: 2: 4 cement concrete slabs pavement of west footpath with blue stones and storm water drainage arrangements. | Messrs. Bhupal Desai & Co., S.C.R. No. 393 of 1-6-1951. | 1,93,027 | 50,369 | 1,48,373 | Do. Do. |
| 25 | Constructing Kutcha Roads No. 9 with Storm Water Drain. | Messrs. Thakkar Construction Co., S.C.R. No. 1095 of 6-9-1951. | 82,209 | 31,381 | 69,635 | Do. Do. |
| 26 | Do. Do. 9A ... | Messrs. Tnakkar Construction Co., S.C.R. No. 1191 of 19-9-1951. | 53,880 | 36,136 | 36,136 | Do. Do. |
| 27 | Construction of 3'-4"×5'-0" ovoid sewer in Road No. 15 and 9" Pipe sewer for housing tenements East of Road No. 15. | Messrs. Universal Construction Co., S.C.R. No. 2394 of 20-2-1953. | 99,507 | ... | ... | Work started. |
| 28 | Construction of Road No. 15 between Road Nos. 18 and 26. | | | ... | ... | S. C.'s approval awaited. |
| | *Scheme No. 58 Worli Extension.* | | | | | |
| 29 | Quarrying the Section A of Worli Hill including removal of the excavated material. | Messrs. H. N. Somaiya. S.C.R. No. 2769 of 22-3-1950. | 4,11,466 | 37 | 4,11,945 | Work completed. |
| 30 | Constructing the sea wall for a length of 1000' from the end of the existing sea wall at Maulana Abdul Gaffar khan Road. | Messrs. Bhupal Desai & Co., S.C.R. No. 1415 of 1-11-1950. | 3,64,579 | 41,123 | 3,52,255 | Work completed on 8-2-1952, Accounts adjusted. |
| 31 | Quarrying and levelling of the Section B of Worli Hill. | Messrs. G. L. Power & Co., S.C.R. No. 1452 of 8-11-1950. | 3,72,223 | 1,17,835 | 2,58,576 | In progress. |
| 32 | Quarrying and levelling Section D1 of Worli Hill Scheme No. 58 Worli Extension including removal of excavated materials. | Messrs. H. N. Somaiya. S.C.R. No. 1526 of 29-10-1951. | 3,81,129 | 94,916 | 95,042 | Do. |
| 33 | Filling in of Maulana Abdul Gaffarkhan Road (Worli Sea Face Road) between the two concreted portions with over-burden to be excavated from South West portions of Worli Hill. | Messrs. H. N. Somaiya. S.C.R. No. 1871 of 5-12-1951. | 2,26,534 | 45,267 | 1,05,087 | Do. |
| 34 | Construction of a further portion of Sea Wall for a length of 650'. | Messrs. Haribhai B Desai. | 2,80,216 | ... | ... | Work will be statred shortly. |
| | | Total ... | | 9,23,237 | 53,32,354 | |

## APPENDIX R

*Traffic Islands already constructed.*

| Serial No. | Site. | Ward. |
|---|---|---|
| 1. | Dhobi Talao junction Carnac Road | A |
| 2. | Carnac Road junction Hornby Road | ,, |
| 3. | Carnac Road junction Palton Road | ,, |
| 4. | Carnac Road junction Frere Road | ,, |
| 5. | Mint Road junction Frere Road | ,, |
| 6. | Fort Street junction Hornby Road (Bori Bunder, | ,, |
| 7. | Mahatma Gandhi Road junction Waudby Road | A |
| 8. | Mahatma Gandhi Road junction Hornby Road (Flora Fountain) | ,, |
| 9. | Churchgate Street junction Queen's Road | ,, |
| 10. | Queen's Road junction Bandstand | ,, |
| 11. | Mayo Road junction Cooperage | ,, |
| 12. | Mahatma Gandhi Road junction Rampart Row | ,, |
| 13. | Marine Drive junction Churchgate Street | ,, |
| 14. | Marine Drive junction Dinshaw Watcha Road | ,, |
| 15. | Jamshedji Tata Road junction Dinshaw Watcha Road | ,, |
| 16. | Foreshore Road junction Marine Drive near Swimming Bath | ,, |
| 17. | Hornby Road junction Palton Rood | ,, |
| 18. | Wellington Square near Museum | ,, |
| 19. | Custom House Road junction Apollo Street | ,, |
| 20. | Custom House Road junction Bank Street | ,, |
| 21. | Rampart Row junction Apollo Street | ,, |
| 22. | Ibrahim Rahimtulla Road junction Mohomedally Road, Bhendi Bazar | B |
| 23. | Vithalbhai Patel Road junction C. P. Tank | C |
| 24. | Warden Road junction Neapean Sea Road and Gowalia Tank Road | D |
| 25. | Warden Road junction Pedder Road | ,, |
| 26. | Tardeo Road junction Forjett Street | ,, |
| 27. | Nana Chowk junction Gowalia Tank Road and Tardeo Road | ,, |
| 28. | Tardeo Chowk | ,, |
| 29. | Hughes Road junction Babulnath Road | ,, |
| 30. | Hornby Vellard junction Clerk Road and Warden Road | ,, |
| 31. | Sandhurst Bridge near Opera House | ,, |
| 32. | Gowalia Tank Road from Gibbs Road and Peddar Road near Kemp Co. | ,, |
| 33. | Walkeshwar Road junction Ridge Road | ,, |
| 34. | Queen's Road junction Charni Road | ,, |
| 35. | Byculla Bridge junction Clare Road | E |
| 36. | Clare Road junction Bellasis Road | ,, |
| 37. | Jacob Circle | ,, |
| 38. | Mazagaon Road junction Dockyard Road | ,, |
| 39. | Dockyard Road junction Reay Road | ,, |
| 40. | Junction Lamington Road, Club Road and Souter Street | ,, |
| 41. | King's Circle Vincent Road junction Bhandarkar Road | F |
| 42. | Lady Jehangir Road junction Muncherji Joshi Road | ,, |
| 43. | Lady Jehangir Road junction Jame-Jamshed Road | ,, |
| 44. | Lady Jehangir Road junction Lakhamsi Nappoo Road and Sir Bhalchandra Road | ,, |
| 45. | Khodadad Circle, Tilak Road junction Vincent Road | ,, |
| 46. | Poibavdi-Dadar and Suparibaug Road | ,, |
| 47. | Arthur Road junction Parel Chawl Road | ,, |
| 48. | Matunga Road junction Sion Road and Road No. 15 | ,, |
| 49. | Katrak Road junction Dr. Dinshaw Master Road, Firduasi Road and Sewr Cross Road | ,, |
| 50. | Sir Bhalchandra Road junction Khareghat Road | ,, |
| 51. | King Edward Road junction Hospital Avenue | ,, |
| 52. | Lakhamsi Napoo Road junction Kohinoor Road | ,, |
| 53. | Bhandarkar Road junction Telang Road | ,, |
| 54. | Lady Jamshedji Road junction Portuguese Church Street and Dadar Main Road | G |
| 55. | Gokhale Road and Lady Jamshedji Road | ,, |
| 56 | Gokhale Road and Ranade Road | ,, |
| 57. | Gokhale Road and Portuguese Church Street | ,, |
| 58. | Gokhale Road South and Bhavani Shankar Road | ,, |
| 59. | Ranade Road and Shivaji Park Road No. 3 | ,, |
| 60. | Dr. Annie Besant Road and Worli Road No. 11 | ,, |
| 61. | Tilak Bridge junction Lady Jamshedji Road | ,, |
| 62. | Lady Jamshedji Road junction Ranade Road | ,, |
| 63. | Bhavani Shankar Road junction Dadar Road | ,, |
| 64. | Mahim Chowk | ,, |
| 65. | Parel Road junction of Olivant Bridge and Shephard Road | E |
| 66. | Junction of Lady Jamshedji Road and Bai Padmabai Road | G |
| 67. | Junction of Foras Road and Falkland Road | D |
| 68. | Junction of Victoria Gardens Road and Chinchpokli Road | E |
| 69. | Lady Hardinge Road and Lady Jamshedji Road | G |
| 70. | Cadell Road and New Prabhadevi Road | G |
| 71. | Wadi Bunder Road and Reay Road | B & C |
| 72. | Frere Road and Elphinstone Bridge | A |
| 73. | Sayani Road and Gokhale Road (South) | G |
| 74. | Queen's Road and Mayo Road | A |
| 75. | Bazar Gate Street and Pherozshah Mehta Road | A |

## APPENDIX R—(*Contd.*).

| Serial No. | Site. | Ward |
|---|---|---|
| 76. | Jamshedji Tata Road and Jamshedji Tata Road Extension ... | A |
| 77. | Queen's Road and Dinshaw Watcha Road ... | A |
| 78. | Olivant Bridge and Victoria Gardens Road ... | E |
| 79. | Khareghat Road and Mancherji Joshi Road ... | F |
| 80. | Sion Road opposite Mysore Soap Factory ... | F |
| 81. | Currey Road Bridge, DeLisle Road Overbridge ... | G |
| 82. | Mahalaxmi Bridge ... | G |
| 83. | Kohinoor Road and Vincent Road ... | F |
| 84. | Princess Street and Kalbadevi Road ... | B & C |
| 86. | Second Traffic Island at the Juncion of Mahtma Gandhi Road and Hornby Road near Flora Fountain. | A |
| 87. | Extension of the Refuge Island on the Churchgate Street at its junction with Apollo Street and Parsi Bazar Street. | A |
| 88. | Construction of refuge island at the Junction of Parsi Bazar Street and Horniman Circle ... | A |
| 89. | Traffic and channellising island at (*i*) Mayo Road junction University Road and (*ii*) Mayo Road junction Fuller Road. | A |
| 90. | Traffic island at the junction of Flkland Road and Sandhurst Road ... | D |
| 91. | Traffic island and channellising island at the junction of Gowalia Tank Road and Forjett Street. | D |
| 92. | Traffic Island and channellising island at Jackaria Bunder Road junction Reay Road ... | E |
| 93. | Traffic island at the junction of Dharavi Road and Sion-Agra Road ... | F |
| 94. | Traffic island at the junction of Love Grove Road, Fergusson Road, Haines Road and Road leading to B. D. D. Chawls. | G |

## APPENDIX S

*Summary of Roads renewed with 3" Sheet Asphalt during 1952-53.*

| Serial No. | Name of Road. | LIMITS. From | To | Area in Sq. yds. | Amount of expenditure. |
|---|---|---|---|---|---|
| | **Advances Special Funds Renewal of Road Surfaces Funds.** | | | | Rs. a. p. |
| 1 | Sandhurst Road ... | Dongri Street ... | Dr. Maheshwari Road ... | 824 | 9,455 8 0 |
| 2 | Bularam Street ... | Grant Road ... | Charni Road ... | ... | 616 9 0 |
| 3 | Charni Road ... | Grant Road ... | Girgaon Road ... | ... | 27 0 0 |
| 4 | Love Lane, Mount Road ... | Matherpakhdi Junction ... | | 581 | 6,073 2 0 |
| 5 | Sandhurst Road ... | Trimbak P. Street ... | Ibrahim R. Road (North-side). ... | 400 | 5,103 0 0 |
| 6 | Sk. Memon Street ... | Carnac Road ... | Princess Street ... | 1,170 | 11,519 11 0 |
| 7 | Fort Street ... | Hornby Road ... | Nicol Road ... | ... | 2,508 9 0 |
| | | | | 2,975 | 35,303 7 0 |
| | **LOAN WORKS BUDGET.—VIII—Roads, S. W. Drains and Public Lighting, 17-A, Renewal of Surfaces of Roads for which no Renewal Fund exists.** | | | | |
| 1 | Mint Road (West-side) ... | Custom House Road ... | Sir P.M. Road ... | 634 | 6,173 1 0 |
| | **REVENUE BUDGET:—VIII.—Roads, S. W. Drains and Public Lighting, B.—Maintenance of Roads, III.—Repairs and Maintenance, (b) Roads, (6) Renewal of Surfaces of Roads for which no Renewal Fund exists.** | | | | |
| 1 | Sandhurst Road ... | Dongri Street ... | Dr. Maheshwari Road ... | 1,926 | 13,892 7 0 |
| 2 | Bularam Street ... | Grant Road ... | Charni Road ... | 1,510 | 16,555 11 0 |
| 3 | Charni Road ... | Grant Road ... | Girgaon Road ... | 3,128 | 30,078 10 0 |
| 4 | Sk. Memon Street ... | Carnac Road ... | Princess Street ... | 676 | 10,275 3 0 |
| 5 | Sandhurst Road ... | T. P. Street ... | Ibrahim R. Road ... | 3,773 | 39,549 8 0 |
| 6 | Love Lane Jun. Mount Road | Matherpakhdi Junction ... | | 1,075 | 10,911 4 0 |
| 7 | Grant Road ... | T. P. Street ... | Duncan Road ... | 2,363 | 26,161 15 0 |
| 8 | Parel Chawl Road ... | Kalachowki Road ... | Arthur Road ... | 1,126 | 14,134 7 0 |
| 9 | Falkland Road (West Side). | Grant Road ... | H. N. 258 ... | 904 | 11,896 6 0 |
| 10 | Frere Road ... | Fort Street ... | Ballard Road ... | 3,117 | 40,125 15 0 |
| | | | | 19,018 | 2,13,911 0 0 |

## APPENDIX T

*Summary of Roads renewed by "Recondo Process" during 1952-53.*

| Serial No. | Name of Road | LIMITS. From | To | Area in Sq. yds. | Amount of expenditure. |
|---|---|---|---|---|---|
| | **REVENUE BUDGET:—S. W. Drains and Public Lighting, B.—Maintenance of Roads, III.—Repairs and Maintenance, (b) Roads, (6) Renewal of Surfaces of Roads for which no Renewal Fund Exists.** | | | | |
| 1 | Abdul Rehamn Street ... | Pydhoni ... | Carnac Road ... | 3,940 | 28,100 0 0 |
| | **Advances Special Fund, Renewal of Road Surfaces Fund.** | | | | |
| 1 | Vithalbhai Patel Road ... | C. P. Tank ... | Sandhurst Road ... | 1,073 | 7,889 0 0 |
| 2 | Abdul Rehman Street ... | Pydhoni ... | Carnac Road ... | 3,601 | 25,685 0 0 |
| | **LOAN WORKS BUDGET:—VIII.—Roads, S. W. Drains and Public Lighting, 17—A Renewal of Surfaces of Roads for which No Renewal Fund Exists.** | | | | |
| 1 | Tardeo Road ... | School of Blind ... | Tulsi Wadi ... | 4,261 | 51,152 0 0 |

## APPENDIX U

*Planning Work.*

287 (*A*) The layouts received from the Public under Section 302 of the Bombay Municipal Corporation Act, were scrutinized and six of these were completely recast to suit modern trends in planning. The work of preparation of layouts of Town Planning Scheme No. VI (Santacruz) and Town Planning Scheme No. III (Ghatkopar) was also completed.

(*B*) The scheme for the maternity home, mobile hospital and staff quarters at Ghatkopar was prepared and submitted for approval of the Works Committee and the Corporation together with the detailed estimates thereof.

(*C*) Plans for the following items of work were prepared.

(1) Anti-T.B. Clinic at Parel.
(2) Welfare Centre at Bapty Road.
(3) Out-patients Ward for the Municipal Group of Hospitals, Sion.
(4) Staff quarters for the Bhabha Hospital at Bandra.
(5) Nurses and staff quarters for the Bhabha Hospital at Kurla.
(6) Proposed Municipal Office Building at Juhu.
(7) Additions and alterations to the Bhabha Hospital at Bandra.
(8) Children's Ward for the Municipal General Hospital at Sion.
(9) Harijan quarters at Chembur.
(10) Additions and alterations to the Ardeshir Hormusji Village School at Kurla.
(11) Municipal Marathi School at Kurla.
(12) Annapurnabai Deshmukh Ward at the Municipal Group of Hospitals Sion.
(13) Broadcasting cabins at various gardens in Greater Bombay.
(14) Complete Scheme for a maternity home with quarters for staff at Ghodbunder Road at Andheri.
(15) Maternity Home at Naigaum.
(16) School Building on plot Nos. 27,28-29 at Naigaum.
(17) Type design for the dispensary and examination cubicles at various centres.
(18) Band Stand at Sion.
(19) Revised Plan for the Municipal Head Office Extension Building.
(20) School building at Suparibaug.
(21) School Building on Plot No. 1603 to 162A at Sion.
(22) Remodelling of the Khar Market.
(23) Details for the additions and alterations to the St. Martin Club at Bandra.
(24) Housing for the industrial workers at Chembur.
(25) Band Stand at the Mahatma Gandhi Recreational Centre at Shivaji Park.
(26) Layout of Housing Schemes at Agripada.
(27) Amended plans for the rustic bridge for giving access to the Orchid House at Victoria Gardens.
(28) Layout for the squatters' Colony at Jogeshwari.
(29) Preliminary layout for the Slaughter House at Deonar.
(30) Amended plans and details for the Fire Brigade Station at Andheri.
(31) Plans for the remodelling of the Band Stand at Bandra.

*Survey Work.*

1. Selection of sites of land belonging to Government at Juhu for the purpose of establishing a recreational centre at Juhu Beach.
2. Selection of suitable sites for constructon of public conveniences at various places in the Suburbs.
3. Fixing up the alignment of the approach roads leading to Govandi Station and to Mankhurd Station.
4. Joint inspection of the catchment area of the drainage channels skirting Juhu aerodrome on the east, with the Aviation authorities.
5. Inspection of alternative sites for the proposed Western India Higher Technological Centre at Powai, Chendauli and Poisar, with the Central Government officials.
6. Preparation of estimates for Majas and Halpada Roads.
7. Preparation of large scale land use map of the Suburban area of the Greater Bombay.
8. Preparation of scheme for the provision of an under-pass across Western Railway north of Andheri Railway Station.
9. Preparation of plans and reports regarding the low-lying lands at Vile-Parle West Gaothan and Jai Bharat Housing Colony at Khar.
10. Laying and setting out sites for play-grounds, schools, shops, sanitary conveniences etc., for the Squatters' Camp at Jogeshwari; alignment of rough roads and levelling the site with bull-dozers; fixing up the position of bore wells etc., in the Camp area.

*Miscellaneous.*

1. Marking of regular lines on the proposals received from Assistant Engineer (Suburbs) and private parties.
2. Scrutiny of layouts under Section 302 of the Bombay Municipal Corporation Act submitted by private parties and discussion with the architects regarding the roads, drainage arrangements and various other details.
3. Scrutiny of proposals about the location of industries received from private parties.

# ESTATE & LAND MANAGEMENT

Shri C. T. Shah, B.A. (Hons.), B.E., A.M.I.E. (India) was in charge of this Department upto 30th April 1952 when he proceeded on leave for 2 months and 26 days prior to retirement handing over charge to Shri N. D. Baria, B.E., A.M.I.E. (India) who continued to hold the post till the end of the year.

The report is arranged as under:—

I—Acquisition of lands. II—Progress of Development Schemes. III—Special Road Schemes. IV—Changes in layouts. V—Review of the *ex*-Trust and Municipal Estates. VI—Slum Clearance. VII—Dishousing and Re-housing. VIII—New Housing Schemes. IX—Disposal of lands. X—Management of Property and Collection of Revenue. XI—Legal. XII—General. XIII—Statement and Appendices.

## I.—ACQUISITION OF LANDS

### (A) Improvement Trust Section

1. *Scheme 5, Case No. 374, Temple Property.*—The Special Land Acquisition Officer would declare his award on the appointment of the new trustees with the approval of the Charity Commissioner.

2. *Scheme 52, Worli Village.*—An area admeasuring 1,02,615 7/9 square yards of land along the foreshore of the Worli Village was notified for acquisition in 1919 under L. A. Act 1894 and the Special Land Acquisition Officer gave his Award in 1922. The Fazendar of the area was paid 50 per cent. of the award money. Some of the villagers disputed the award and did not draw their share of award money deposited with the Land Acquisition Officer. Out of the area that was being used by the fishermen for drying nets, an area admeasuring 43,013 square yards was continued to be occupied by the Defence department at a monthly rent of Rs. 752-12-0. The development of this locality is indeed a knotty problem. The acquisition scheme was given up by the *Ex*-Trust on account of financial stringency. There was a stiff opposition from the villagers for fear of being dis-possessed of their ancestral properties. A new scheme which would meet with their objections and also enable the Municipality to carry out improvement in that locality is being thought out. The basic idea of this new scheme is to open out new roads so as to fit in with the general layout of the development of the locality on South and East and the proposed one under the Town Planning Scheme on the North and lease out the area available for building to a Society formed of the original Worli villagers. If the villagers co-operate with the Municipality it would be possible to make some headway in improving the locality.

3. *Scheme 77, Housing Fishermen of Mahim foreshore.*—Government land in C.S.No. 1/1505 and 2/1505, of Mahim Division comprising 9717 square yards and 7525 square yards was acquired for recreation ground and for housing fishermen respectively. A premium of Rs. 6,073-2-0 was paid for the former area while the latter piece of land was leased to the Municipality for 999 years at a nominal rent of Re. 1 per annum, the Municipality undertaking to develop both the areas within a period of 5 years. The cost of filling in and providing a retaining wall on the north was estimated at Rs. 3,25,300.

4. *Scheme 6, Sion-Matunga Estate.*—A strip of Government land admeasuring 2,780 square yards in C. S. No. 1/36 of Sion Division was acquired at Rs. 7 per square yard for municipal housing purposes.

### B.—Municipal Section

1. *Scheme for widening the 1st Marine Street, Dhobi Talao, L. A.Q. 16/5.* The Land Acquisition Officer declared his award and the claimants were paid a nominal compensation of Re. 1 in view of an almost equivalent area of Municipal land handed over by the Municipality to the claimants. Action for removal of the encroachments was being taken by the Special Engineer under Section 351 of the Bombay Municipal Corporation Act. The mosque authorities agreed not to have shops or show rooms on the area handed over by the Municipality but were allowed to put up advertisement hoardings.

2. *Acquisition of land for the construction of 50' Road from Bhawani Shankar Road to Tulsi Pipe Road off Sewage Purification Works at Dadar—C.S. No. 1401.* of Lower Parel division—case No. L.A.Q. 40/2 The Court's Decision regarding the title of the vendors to the property was still awaited.

3. *Acquisition of land bearing C. S. No. 18 and 1/18 of Mahim Division for the extension of Hindoo Cemetery No. 74 at Worli—Case No. L. A.Q. 138.*—The award of the Special Land Acquisition Officer was awaited and the amount of liability was estimated to be Rs. 1,00,000.

4. *Acquisition of lands, south of Dadar Purification Works for provision of a recreation ground and extension of purification works—Case Nos. L. A.Q. 131/1 to 131/8.*—Awards amounting to Rs. 6,50,233-6-0 were declared and the possession of the property was taken. In three cases, the claimants have preferred an appeal to the High Court under Section 18 of the Land Acqusition Act.

5. *Acquisition of certain lands occupied by Milch Cattle Stables in the City of Bombay for Public Municipal purposes—L. A.Q. 196.*—The proceedings before the Land Acquisition Officer were closed in 16 cases out of 30 cases. Awards were declared in two cases namely No. LAQ. 130/14 and LAQ. 130/17. Their areas admeasure, 5,862 and 9,345 square yards respectively and the awarded amounts were Rs. 2,75,042 and Rs. 6,17,550 respectively. The claimant in Case No. L.A.Q. 130/17 appealed to High Court under Section 18 of the Land Acquisition Act. Out of the remaining 14 cases the proceedings of which were still in progress, the claimants in two cases had gone in reference under Section 49 (1) of the Land Acquisition Act demanding acquisition of their whole property. In one of the remaining cases, it was proposed to withdraw the property from acquisition, *viz.*, LAQ/130/2, *i.e.*, of 21-C Sindhi Lane, as the area was found to be too small for the purpose, for which it was being acquired.

6. *Acquisition of C. S. No. 654 of Malabar and Cumballa Hill Division along Tardeo Road for Municipal School building, Office and Housing—Case No. LAQ 140.*—The proceedings before the Land Acquisition Officer were closed for award. The Municipal liability was estimated at Rs. 12 lacs.

7. *Acquisition of land bearing C. S. No. 113, 69 (part) and 3/69 (part) of Colaba Division for a Municipal School and Fire Brigade Station.*—The proceedings before the Special Land Acquisition Officer were still in progress and the amount of estimated liability was Rs. 10 lacs.

8. *Acquisition of portion of land falling within the sanctioned 60' road out of C. S. No. 1224 of Mahim Division, Case No. 128.*—The acquisition was completed and the Conveyance of the land to be exchanged by the Municipality was under preparation.

9. *Acquisition of lands along Drainage Channel for shifting cemeteries at Haines Road—Case Nos. L. A.Q. 78/1 to 78/6.*—The claimants in all the cases went in reference to the High Court under Section 18 of the Land Acquisition Act over the award of the Special Land Acquisition Officer.

10. *Acquisition of land in C.S. No. 43 of Sion Division for a Municipal combined market at King's Circle Case No. LAQ 151.*—The previous Case No. LAQ/210 given by the Deputy Collector's Office has been changed to LAQ/151 given by the Special Land Acquisition Officer. The case was closed for award and the estimated liability would be about Rs. 2,84,120.

11. Acquisition of land in C. S. No. 31 (part) of Sion Division for a Municipal pumping station in connection with *the Sewerage System for that area, Case No. LAQ,/149.* Here again the previous Case No. LAQ 209 given by the Collector has been changed to LAQ/149 by the Special Land Acquisition Officer. The proposed shifting towards the North involved acquisition of parts of C. S. No. 31 belonging to the claimants in the case referred to and acquisition of Government land in C. S. Nos. 32 (part) and 2/32 (part) in all covering the area of 1,200 square yards, Government sanction to the sale of their land at Rs. 15 per square yard and Corporation sanction to the purchase of the claimants lands in C. S. No. 31 at Rs. 23-8-0 per square yard were awaited. The total estimated liability on account of the revised proposal would not exceed the previously estimated liability of Rs. 30,360.

12. *Acquisition of a part of C. S. No. 1/338 of Mahim Division admeasuring about 300 sq. yds. falling within the proposed 60' road by settlement, Case No. LAQ/159.*—The application of Town Planning Scheme dispensed with the necessity of acquiring the land. It was, therefore, proposed to withdraw the property from acquisition.

13. *Acquisition of C. S. Nos. 1/760 and 2/760 of* Mazgaon Division for a Municipal pumping station for Chinchpokli area. The case before the Special Land Acquisition Officer was closed for award. The Municipal liability was estimated at Rs. 3,60,007.

14. *Acquisition of land for extension of Bai Y. L. Nair Hospital and Topiwala National Medical College.*—Land bearing C. S. No. 1598 of Byculla Division and certain other land was being acquired for the extension of the Hospital. The Municipal liability was estimated at Rs. 4,83,000.

## C.—Suburban Section

1. *Acquisition of land at Chembur, Plots Nos. 371A, 372B and 371B for Chembur Ward Office.*—The cases were closed for award before the Addtional Special Land Acquisition Officer. The Municipal liability on account of acquisition would be Rs. 20,646.

2. *Acquisition of Survey Nos. 297 (1) and 298 (1) of Bombay Agra Road near its junction Bilgrami road at Kurla for a Pumping Station.*—As the acquisition of this land was considered to be a costly proposition by the Special Engineer, it was proposed to take over the Government land in the rear which is mostly khajan land and acquired land for a 30' wide passage out of the Survey numbers mentioned above leading from Bombay Agra Road to the site of the pumping station.

3. *Acquisition of land at Bhandup for a Night Soil Depot, Survey No. 88 of Bhandup Village.*—The Municipal liability in this case was estimated at Rs. 2,000.

4. *Acquisition of land at Khar for a Sewage Purification Works.*—Government land in Survey Nos. 353, 354A Bandra covering an area of 14065 square yards was acquired at Rs. 6 per square yard. The cost of conveyance etc. was to be borne by the Municipality and L. N. A. assessment at about Rs. 21 per annum was to be paid by the Municipality.

5. *Acquisition of land at Bunderwadi in N. A. No. 447 of Bandra for pumping station.*—An area admeasuring 1664 square yards was being taken over on payment of occupancy price at Rs. 3 per square yard L. N. A. assessment would have also to be paid in respect of this land.

6. *Acquisition of land near Chembur station on Ghatkopar Mahul Road.*—About 9 acres of land were being purchased from Government for Sewage Purification Works for Chembur Ghatkopar area. Negotiations were in progress.

7. *Acquisition of land for Sewage Purification Works along Versova Road.*—About 44,444 square yards were being acquired for the said Purification Works. The Municipal liability was estimated at Rs. 57,700.

8. Acquisition of land at Kanjur Village for Sweepers' Quarters and a Refuse Depot is under consideration.

## D.—Municipal Properties under Acquisition By Government

1. *Acquisition by Defence Ministry and other Government of India Departments.*

(a) *Plots Nos. 103 and 140, Agripada West Estate, Scheme No. 11 for Bombay Telephone Workshop.*—The Chief Judge of the Small Causes Court who was the Arbitrator in this case awarded Rs. 23,000 in respect of Plot No. 103 and Rs. 26,000 in respect of Plot No. 140 as Lessor's interest due to the Municipality with interest at 4 per cent. from the date of acquisition, *i.e.*, 24th November 1943 upto the date of payment and also Rs. 6,500 towards the cost incurred by the Municipality.

(b) *Plots Nos. 113 and 114, Sion Matunga Estate (East).*—The question of acquiring revertionary interest of the Municipality as lessor of the land was still under consideration of Government.

(c) *Plot No. 103, Sion Matunga Estate.*—The Area, Lands and Hirings Officer requested to obtain Corporation's sanction to the grant of a lease in favour of the Defence Ministry, Government of India and license for the several encroachments made on compulsory open spaces. He also agreed to pay rent for the encroachments from 1st January 1945.

(d) 38 *Plots in Sewri Wadala Estate, Scheme 57, Plots Nos. 223 to 231, 238 to 246, 264 to 269, 275 to 284 and 296 to 299.*—The Municipality under legal advice lodged its claim for the full value of the land with the Additional Special Land Acquisition Officer.

2. *Plots No. 143, Dadar Matunga Estate, Scheme 6.*—This land was being acquired by Government for the Telephoe Exchange. However, a proposal for lease instead of acquisition was under consideration.

3. *Plot No. 110, Gamdevi Estate, Scheme No. 4.*—This plot with a building thereon was being acquired for Mahatma Gandhi Smarak Nidhi.

4. *C.S. No. 6 of SionDivision.*—A strip of about 100' width was being acquired for the "Express Highway" leading to the New Oil Refineries.

5. *Plots Nos. 8, 9 and 10, Nowroji Hill Estate, Scheme No. 29.*—These plots were notified for acquisition under Section 4 of the Land Acquisition Act. The inquiry before the Collector was adjourned *"Sine die"* as the State Transport Authorities were considering selection of alternative site.

6. School property in Survey No. 104 of Mahul was being acquired for the Oil Refinery. The Burmah Shell Co. agreed to give to the Municipality an equivalent area and pay the cost of reinstatement or construction school of the like dimensions as existing at their own cost. The land in Survey No. 90 was chosen as a suitable site for the location of the new school building. The Municipality would have to pay for the excess area.

7. There were several other road areas, and quarry sites attached to the roads, which were handed over by Government to the former District Local Board and which now vested in the Bombay Municipal Corporation after the merger. They were being acquired by Government for the Oil Refineries. Since alternative and better roads were being constructed by Government and handed over to the Municipality, the Municipal claim for compensation would be only nominal.

8. *Plots Nos. 96, 117 and 118 (part)* in Nowroji Hill Estate, Scheme No. 29 were requisitioned by Government for the State Transport Corporation.

9. *Acquisition of Municipal land by Government for Police Accommodation Scheme No. 57, Sewri-Wadala Estate, North, Plots Nos. 66 to 70. Cases No. L. A.Q. 95/1 to 95/5.*—On account of the widening of road No. 15 a part of the area handed over to the Government for the Police Accommodation Scheme would be absorbed in the road. The Executive Engineer, Public Works Department, claimed refund for the decrease in area prevously handed over to him.

### E.—Housing of squatters removed from the City

51 acres of land in Manbudruk village was first requisitioned for housing the squatters in 1951 and about 1,200 families were shifted to the colony. As further removal of squatters from the City was found necessary, additional land admeasuring 7 acres was requisitioned during the year. In all about 2800 squatter families were accommodated at Mankhurd Colony.

In furtherance of the scheme for the removal of the squatters from the City, another colony at Jogeshwari was opened by taking over about 37½ acres of land from Shri Jeejibhoy Byramji and another and additional 15¼ acres of land belonging to Smt. Gomes were requisitioned. These areas comprised parts of Mogra and Majas villages.

The accommodation in this colony is for 1,500 families.

The sites for both the colonies are under acquisition and the total liability is estimated at Rs. 8,16,000.

## II.—PROGRESS OF DEVELOPMENT SCHEMES

### Existing Schemes

*Scheme 56 Dharavi Estate*

It was proposed to invite tenders for the part of the development of Dharavi Scheme (Ist stage) but the question was referred back by the Improvements Committee and the matter was under consideration of the Special Engineer.

*Scheme 52, Worli Estate*

The layouts for the area comprising the Neighbourhood Unit and also for the area between Dr. Annie Beseant Road and Worli Hill submitted by the Housing Commissioner were revised again. The works have been in progress according to the new proposed layout.

### III.—Special Roads Schemes

(1) *Development of Gollanji Hill Estate.*—The Hill cutting work to the full width of the Road was completed.

(2) *Construction of a road on Tulsi Pipe Line land between Hains Road and Mahim Creek.*—Half the width of the proposed road between Tilak Bridge and Lady Hardinge Road and between Dadar Purification Works and Dadar Main Road was completed but further work was not taken in hand for want of funds. The negotiations with frontagers were in progress. With the application of Town Planning Scheme to this area it was proposed to revise the terms and conditions of granting of way leave to the frontagers between Elphinstone Road and Mori Road.

### IV.—Changes in Layouts

(1) *Revised lay out of Haji Ali Park, Hornby Vellard.*—Government sanction to the revised layout for the Haji Ali Park Area (1) reserving 9 plots admeasuring in all 13191 square yards for building sites having access from Clerk Road, (2) and area admeasuring 27,200 square yards for housing lower, middle and working class people, (3) an area admeasuring 25,600 square yards for students' hostel and staff quarters for the Topiwala National Medical College and (4) 4,433 square yards at the junction of Hornby Vellard and Clerk Road for a public park was awaited.

(2) *Revised layout and realignment of Roads Nos. 16 and 18 in Scheme No. 57, Sewri Wadala (North) Estate.*—By their Resolution No. 305, dated the 20th June 1949 the Corporation had sanctioned (1) the increase in width of road No. 15 from 100' to 130'; (2) a grade separated junction between Roads Nos. 15 and 16 and (3) extension of RoadNo. 16 to meet 80' Matunga Road. The proposal involved the acquisition of plots Nos. 179 to 182 and 203, 204.

With a view to avoiding the cost of acquisition and the high cost of construction of the grade separated junction, Road No. 16 has been propsed as a high level road in continuation of the over bridge above the railway and Road No. 15 so as to join Road No. 33-A at its proposed formation level. The extension of Road No. 16 between Roads Nos. 33-A and the 80' Matunga Road was dropped. So far as Raods Nos. 33-A, 17-A and Matunga Road and Plots Nos. 177 and 184 are concerned, it was proposed to follow the old layout. A slight change in the link up of road No. 18 between Roads Nos. 33-A and Matunga was proposed. By this arrangement, acquisition of 6 plots referred to above and which would have become necessary was avoided and the costs were saved. The proposed change would necessitate acquisition of a small area out of case No. 990 and C. S. No. 636 of Dadar Naigaum Division belonging to Preventive Department of the Central Government. A 20' wide service passage on Matunga Road and west of plots Nos. 177 to 180 and the Church properties was proposed for safety of pedestrians and parking for cars near the future important road junction.

This arrangement was sanctioned by the Corporation by their Resolution No. 505, dated the 4th September 1952 as recommended under Improvements Committee Resolution No. 21, dated the 29th April 1952.

(3) *Layout of the Municipal land at the junction of Tulsipipe line and Fitwala Road.*—There was once an intention to extend Fitwala Road at right angles to Tulsi Pipe Road westwards right upto drainage channel. Subsequently, the idea was dropped and it was proposed to layout the area of the proposed extension into a garden while proposing the reservation of the area for a garden, sanction of the Improvements Committee and the Corporation was taken to layout the Municipal land to the south of the prposed garden and to the west of Tulsi Pipe Road into four plots admeasuring about 1,550 square yards in all. The user of the plots has been fixed for shops on the ground floor and residences on ground and upper floors. The height of the proposed buildings would governed by the provisions of the Municipal Bye-laws and would be further restricted to a ground and four upper floors. This was sanctioed by the Corporation by their Resolution No. 993, dated the 11th December 1952 as recommended by the Improvements Committee by their Resolution No. 326, dated the 11th November 1952.

*Layout of Municipal land at Athur Road*——The existing Arthur Road is meeting Chaktachiwadi with a bad curve unsuitable for traffic. It was, therefore, propcsed to extend Chaktachiwadi and divert Arthur Road to meet the lane exactly at right angles, so as to be suitable for traffic. Sanction of the Corporation, was, therefore, taken for the above arrangement. There were pieces of Municipal lands on both sides of the existing junction. By diverting the road at right angles to Chaktachiwadi a triangular piece of Municipal land became available for disposal. As it admeasured 3,340 square yards, it was laid out into four plots to be used for shops offices, godowns and residences. A Petrol Pump, if permitted by the Commissioner of Police, will be allowed on plot No. 4. Compulsory open spaces of 10 feet sides and also along Arthur Road have been provided for the plots. No open space is proposed along the 60' East West Road. The height of the proposed building is restricted to ground and three upper floors.

This was sanctioned by the Corporation by their Resolution No. 100, dated the 2nd May 1952 as recommended by the Improvements Committee Resolution No. 4, dated the 29th April 1952.

(5) *Realignment of the boundary between B. P. T. Land and North of SewriKoliwada Village, Scheme 59 and exchange of B. P. T. Land with Municipal Land.*—The dividing boundary line of the Sewri Koliwada Estate, Scheme 59 and the adjoining Port Trust land being irregular, it was considered expedient to have a regular straight boundary line by exchange of lands having equal areas. For that purpose, the Corporation under their Resolution No. 1332, dated the 19th February 1953 on the recommendations of the Improvements Committee by their Resolution No. 442, dated the 20th January 1953 approved the exchange of 102 square yards belonging to the B. P. T. with an equivalent area belonging to the Corporation. The Dead of Exchange will be drafted by the Port Trust Legal Advisor and scrutinised by the Solicitor to the Corporation and the cost of stamping and registration of the said Deed will be shared equally between the B. P. T. and the Municipality. On the basis of Rs. 20 per square yard, the value of the land will be Rs. 2,040 in both the cases.

(6) Scheme 32 East Agripada (South) Estate :—passession of the plot No. 74A was given to the church authorities after the revised layout was approved.

## V.—REVIEW OF THE EX-TRUST AND MUNICIPAL ESTATES

### A.—Ex Trust Section

There were no changes in Schedules, X, Y, and Z lands.

The changes effected in the other *Ex*-Trust Estates are set out below :—

| Changes | As at the beginning of 1952-53 Sq. yds. in thousands. | As at the end of 1952-53 Sq. yds. in thousands. |
|---|---|---|
| **Developed Land.** | | |
| Area permanently leased* ... ... ... ... | 57,43 | 57,58 |
| Area of Trust Chawl Sites ... ... ... ... | 1,90 | 1,90 |
| Area Sold ... ... ... ... ... | 0,09 | 0,09 |
| Area Reserved for a Municipal Market ... ... ... | 0,02 | 0,02 |
| Area yet to be permanently leased ... ... ... ... | 2,23 | 2,18 |
| Total ... | 61,67 | 61,77 |
| Rent of permanently leased area (in rupees in thousands) ... ... | 41,94 | 42,12 |
| **Undeveloped Land.** | | |
| Area of Land ... ... ... ... ... | 52,15 | 52,15 |
| Cost of its acquisition (in rupees in thousands) ... ... ... | 1,87,74 | 1,87,74 |

*Out of the total area of 1,39,36,000 square yards (about 2,879 acres) vesting in or acquired by the *ex*-Trust as on 31st March 1953, about 37.4 per cent. remained to be developed and out of the developed area about 3.5 per cent. remained to be leased, which included an area of 1,69,332 square yards reserved for Municipal purposes, *viz.*, Schools, Markets etc. The average value of the leased plots was Rs. 20 per square yard and that of the plots which remained to be leased was estimated at Rs. 25 per square yard.

### B.—Municipal Section

A plot of land admeasuring 114 square yards at Ripon Road (C. S. No. 18/1840 of Byculla Division) was leased on rental basis at an annual rent of Rs. 344. The capital value thereof worked out to 6,840 at Rs. 60 per square yard. Another plot of Municipal Land admeasuring 940 square yards at Fergusson Road was leased on premium basis at Rs. 1,41,000 at the rate of Rs 150 per square yard. One more plot of municipal land at Fitwala Road admeasuring 78 square yards was sold for Rs. 1950 at the rate of Rs. 25 per square yard.

The statement below indicates the progress of the disposal of municipal land during the previcus four years. The total area available for disposal as on 1st of April 1953 was about 10166 square yards valued at Rs. 1,52,490 on the basis of minimum rate of Rs. 15 per square yard.

**Disposal of Municipal land**

| Year | No. of plots. | Area in sq. yds. | Capital value. |
|---|---|---|---|
| 1949-50 ... ... ... ... | ..... | ..... | ..... |
| 1950-51 ... ... .... ... | 10 | 10,051 | 2,88,550 |
| 1951-52 ... ... ... ... | 2 | 1,387 | 34,073 |
| 1952-53 ... ... ... ... | 3 | 1,132 | 1,49,790 |

## VI.—SLUM CLEARANCE

(1) *Scheme for the extension of Kelewadi Lane.*—A settlement was being arrived at regarding acquisition of C. S. No. 36 (part) Girgaum Division. Acquisition of C. S. No. 37 (part) was being withdrawn. As regards acquisition of C. S. No. 34 (part), the case was in progress before the Land Acquisition Officer. Government land in C. S. No. 38 was taken over on payment of a nominal compensation of Re. 1.

(2) *Scheme 76, Lohar Chawl Gully, Cases No. LAQ./113/1 to 113/36.*—All the cases were closed for Awards which were awaited.

## VII.—DISHOUSING AND RE-HOUSING

It will be seen from the appendix 'D' that the number of tenements provided upto date in the *ex*-Trust estates including those erected by the Development Department and several mills exceeds the number of tenements demolished as shown below :—

| | | |
|---|---|---|
| (*a*) Tenements provided in Trust Chawls including 3 room and 2 room tenements and cottages at Matunga | ... | 10,092 |
| (*b*) Tenements constructed under Municipal Housing Scheme | ... | 271 |
| (*c*) Tenements provided in chawls erected by the Spring Mills, Century Mills, Kohinoor Mills and the David Mills and in chawls erected by the Development Directorate on the *ex*-Trust Estates and in the various Police Accommodation Schemes | ... | 18.870 ..... |
| (*d*) Tenements constructed by the Housing Board on *ex*-Trust land | ... | 1,216 |
| (*e*) Tenements vided in Semi Permanent sheds erected by the *ex*-Trust | ... | 4,003 |
| (*f*) Tenements provided in the lessees buildings | ... | 38,406 |
| Total | ... | 72,858 |
| *Less*—Tenements demolished | ... | 38,642 |
| Excess of new tenements over demolished ones | ... | 34,216 |

## VIII.—NEW HOUSING SCHEMES

(1) The Corporation under their resolution No. 442 of 21st August 1950 sanctioned the construction of 1,106 tenements. Out of these, 414 tenements were already constructed at Sewri, Haines Road, Fergusson Road, Sion, Azad, Nagar, Wadala and Naigaum. During the year, 64 new tenements at Dharavi and 128 at Haystack Road were constructed.

(2) New residential accommodation made available in the houses erected by lessees during the year comprised 101 tenements. Under the municipal Housing Schemes 268 tenements were constructed. The total additional accommodation made available for occupation during the year was 369 tenements including 64 S. P. Tenements at Dharavi, 128 at Haystack Road and 76 in Palton Road chawl No. III.

(3) The management of 630 S. P. Rooms constructed by the Citizens' Emergency Relief cmmittee on the municipal and *Ex*-Trust land for the housing of explosion victims continued to be vested in the Municipality. The rent charged per room per month was Rs. 10.

(4) Housing for the members of essential services of the Municipality (Menial staff) on part of plot No. I-B, Flat Estate, Schedule Land :—128 tenements were constructed during the year under report.

(5) Sweepers quarters in the compound of PrincessStreet Chawls. The quarters were constructed and occupied from October 1952.

(6) *Permanent housing.*—The 3rd chawl at Palton Road consisting of 86 tenements including 10 shops and godowns on the ground floor was constructed and occupied during the year under report.

(7) *Housing of squatters.*—The colony at Mankhurd was opened after requisitioning 51 acres of land. About 1,200 squatters families from different parts of the City were removed to the colony in 1951-52. The colony was extended by requisitioning further 7 acres of land in all about 2,800 squatter families have been shifted thereat.

Additional sanitary conveniences, roads and passages etc. were also constructed.

On account of acute unemployment among the squatters, large number of families left the colony. As the squatters have to travel long distances, in search of work daily, it was found necessary to give them relief in rent. Accordingly, rents were reduced from Rs. 5 to Rs. 3-4-0 per month per site. A further relief of As. 4 by way of rebate was granted to those who paid the rents before the 15th of the following month to ensure regular payment. The recoveries were, however, far from satisfactory.

Another colony at Jogeshwari was established by requisitioning about 37 acres of private land to the East of Jogeshwari Station, near Jogeshwari Caves. The land was undulated and full of shrubs and trees which had to be cleared and the land levelled with bull-dozers before actual occupation by the squatters. An additional area of 15¼ acres of land to the North of the original 37 acres belonging to private persons was taken over in December 1952. About 1500 sites for acommodating 1,500 squatters families were laid out and the rents were fixed at Rs. 3-4-0 per month per site as was fixed at Mankhurd with a rebate of As. 4 if the payment was made before the 15th of the following month.

A 20' main Road along with 12' passages between rows of hutments were laid out and constructed in the colony by engaging the squatters who were paid wages at Rs. 1-12-0 and Rs. 1-4-0 for male and female workers respectively per day.

Eight temporary trench latrines of 12' each were constructed in different parts of the colony. Five sweepers were engaged to look after the sanitation and cleaning of latrines and sweeping of passages and open spaces. 13 blocks each containing 20 W. C.'s and 16 water taps were proposed to be constructed.

16 electric lamps were provided on the main Road and the work of providing additional 32 electric lamps was taken in hand. Pending installation of the additional electric lamps, 7 petro-max lamps were provided as a temporary measure.

A permanent administrative block was being constructed wherein rationing shop and a primary school will also be accommodated. Pending construction of the block, a temporary shed for conducting the ration shop was provided for the use of rationing authorities.

It was proposed to let out sites for flour mill, laundry, tailoring, grocery shop, restaurant and other shops to genuine squatters who were being charged rents varying from Rs. 5 to Rs. 8 for an area less than 150 sq. ft. according to the user and from Rs. 8 to Rs. 12 if the area was more.

A mobile dispensary visits the colony twice a week.

The total estimated cost for the colony at Jogeshwary and the extension at Mankhurd including the cost of land would amount to Rs. 14,68,500 approximately.

## IX.—DISPOSAL OF LANDS

### (1) Long Leases

The number of plots let during the year was 11. The total area of the land thus disposed of admeasures 14,923 square yards (about 3.08 acres) valued at Rs. 5,87,155. The total number of plots disposed of upto the end of 1952-53 was 4,213 with an area of 59,53,705 square yards (about 1,230.1 acres) and valued at Rs. 12,24,29,870. In respect of plots for which premium or commutation amounts had not been received, the rate at which ground rent was commuted was 22½ years' purchase of plots let before 23rd November 1920 and 18 years' purchase thereafter upto May 1948. From May 1948, the ground rent for the plots was charged at 5 per cent. per annum (instead of 6 per cent. per annum charged since 1920) on the value of land and the amount of commutation was fixed at 21 times the annual ground rent (*vide* Corporation Resolution No. 157, dated the 6th May 1948).

Where the period of commutation expired, the lessees were allowed to commute at the rate of 28 times the annual ground rent reserved (*vide* Corporation Resolution No. 1031, dated the 11th February 1943) but commutation now is being discouraged.

The progress in the disposal of Trust lands on permanent basis during the year was as follows:—

| Particulars. | No. of plots. | Area in sq. yds. | Capital value | Annual rent. |
|---|---|---|---|---|
| *Plots leased on.* | | | | |
| I.—Rental basis ... | 9 | 13,979 | 4,33,845 | 21,695 |
| II.—Premium basis ... | 2 | 944 | 1,53,310 | 2* |
| Total plots disposed of ... | 11 | 14,923 | 5,87,155 | 21,697 |
| Plots disposed of in 1952-53 or earlier but surrendered to the Municipality ... | 1 | 546 | 9,272 | 1 |
| | 10 | 14,377 | 5,77,883 | 21,696** |
| Corresponding figures for— | | | | |
| 1951-52 ... | 30 | 21,972 | 4,76,514 | 13,328 |
| 1950-51 ... | 10 | 2,704 | 97,758 | 208 |
| 1949-50 ... | 19 | 2,31,157 | 46,14,704 | 65,036 |

*Interest on premium at 6 per cent. on one plot [*viz.*, plot No. 120, Sion Matunga (East) Estate] worked out to Rs. 556 and at 5 per cent. on the other plot (*viz.*, plot No. 9, Sydenham Road Estate) it worked out to Rs. 7,202. The total interest, therefore, amount to Rs. 7,758.

**If the interest on the premium is taken into account, the result would show a figures of Rs. 25,498 instead of Rs. 21,696 after deducting the amount of ground rent commuted during the year.

The details of leases in each Estate are shown below—

| Estate. | No. of plots. | Area in sq. yds. | Capital value. | Annual rent. | Premium received or receivable. |
|---|---|---|---|---|---|
| | | | Rs. | | Rs. |
| Sion Matunga (East) ... | 1 | 546 | 9,272 | 1 | 9,272 |
| Sewri Wadala (South and North) ... | 2 | 9,395 | 318,825 | 15,943 | ..... |
| East Agripada (South) ... | 1 | 84 | 2,520 | 128 | ..... |
| Scheme 52, Worli ... | 6 | 4,500 | 112,500 | 5,624 | ..... |
| Sydenham Road ... | 1 | 398 | 144,038 | 1 | 1,44,038 |
| Total ... | 11 | 14,923 | 587,155 | 21,697 | 1,53,310 |

The area of the land disposed of during the year under report shows a decrease over the figure for the last year, whilst the value realized thereon is rather more than that of the last year. Moreover, it is worth noting that one of the plots in Sydenham Road Estate was disposed of during the year under review on premium basis at the rate of Rs. 380 (less 5 per cent. rebate).

The amount received by way of commutation of ground rent and premium etc. during the year was Rs. 9,68,241.

The amount received by way of commutation of ground rents and premium since the amalgamation of the Improvement Trust with the Municipality are shown in Statement 'A'.

A comparative statement showing the number of permanent tenancies with demand and collection as on 31st March of the past four years is given below :—

| Particulars. | 1950 | 1951 | 1952 | 1953 |
|---|---|---|---|---|
| (1) Number of tenancies ... | 3,089 | 3,140 | 3,220 | 3,252 |
| (2) Opening balance of arrears in lacs of rupees ... | 4.17 | 3.87 | 4.40 | 5.98 |
| (3) Demand for the year in lacs of rupees ... | 32.17 | 32.18 | 32.92 | 33.67 |
| (4) Total demand including arrears in lacs of rupees ... | 36.34 | 36.05 | 37.32 | 39.66 |
| (5) Amount collected in lacs of rupees ... | 32.51 | 31.65 | 31.34 | 33.32 |
| (6) Percentage of collection to the demand including arrears ... | 89.53 | 87.78 | 83.97 | 81.49 |
| (7) Percentage of collection to the demand for the year | 101.13 | 98.34 | 95.28 | 96.00 |
| (8) Percentage of arrears to amount for collection ... | 10.47 | 12.21 | 16.21 | 18.50 |

The percentage of 18.50 of arrears could be attributed mostly to the usual tendency on the part of the new Building Tenants to withhold payment of ground rent to the extent of the cash security deposited by them with a view to getting the same adjusted towards ground rent. Moreover, several plots were requisitioned by the Defence Department during the war and later by the Government of Bombay and the original lessees of such plots have kept their ground rents in arrears as they have not been able to recover rents from Government. The main items of arrears can be classified as under :—

| | Rs. |
|---|---|
| (1) Arrears in respect of properties re-entered for which legal action is taken ... | 92,854 |
| (2) Ground rents withheld by lessees to the extent of their security deposits ... | 1,10,159 |
| (3) Ground rents in respect of plots occupied by military ... | 88,327 |
| (4) Ground rent for 4 quarters of 1952/53 due from the Western Railway was received after the close of the year ... | 9,728 |
| Total ... | 3,01,068 |

If these items are excluded, the arrears amount to Rs. 4,15,182 which is equal to 12.8 per cent. of the amount collected.

### (*ii*) Short Leases

No new temporary leases for short fixed terms were granted during the year for the lands in charge of this department.

The demand for vacant land tenancies for the year under report was Rs. 7,31,134 and the recovery was Rs. 5,17,038 which works out to 27.58 per cent. of the total recoverable amount including the arrears of Rs. 11,43,558. The less recovery was due to non-adjustment of rent due from the Municipal Gruop of Hospitals Sion, and non-payment by the area, Land, Hirings and Disposal Officer, Collector of Bombay and other Government Department. If these amounts were excluded the recovery would work out to 73.38 per cent. of the total recoverable amount.

The Municipal Group of Hospitals had not paid rent amounting to Rs. 52,471 for the year and were in arrears of Rs. 3,38,243 from the date of occupation *viz.*, 21st October 1946. As the recurring expense on this account was very heavy a proposal for purchasing the land from Budget 'B' by Budget 'A' was still under consideration.

The Defence Department had not paid rent amounting to Rs. 8,733 and was in total arrears of Rs. 3,98,765 ending March 1953.

The Collector of Bombay requisitioned large areas of land vacated by the Defence Department in Scheme 6, Sion, Scheme 52 and 58 Worli, for the Housing Commissioner and the Commissioner of Police. The rent charged for the land for these occupations worked to Rs. 4,33,149 for the period ending 31st March 1953 at the same rate at which the Defence Department was paying. As the rates of compensation were still under consideration of the Collector of Bombay, no payment was received. The matter was therefore taken up with Government whose orders were awaited.

## X.—MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE

### A.—Trust Section

(*a*) *Chawls permanent.*—The gross demand of 10,376 rooms including shops, godowns, looms, etc. on the *Ex*-Trust chawls for the year was Rs. 10,64,154 as on 31st March 1953 against Rs. 10,04,555 at the end of the previous year. The increase in the demand was due to the construction of a new chawl at Palton Road. The economic rent in this new chawl worked out to Rs. 35 per tenement, but in view of the increased rents realised from shops and godowns on the ground floor of the chawl, it was possible to fix rent of Rs. 25 per tenement. The tenements were allotted to municipal staff shifted from one of the requisitioned buildings. For labour staff of the essential services shifted to this building, a concessional rent of Rs. 9 was fixed and the Departments concerned were required to bear the difference.

The net demand for the year for all the chawls was Rs. 10,33,570 after excluding the amount of Rs 1,388 for vacancies and Rs. 29,196 on account of concessions allowed in rent to public bodies, Societies, Police Commissioner, etc., and some Harijan Tenants at Mazagaon Chawls. The concessional rent includes the rents of rooms let out to the peons of the different departments in lieu of house rent allowance and rent free quarters allowed to 200 sweepers of this department. The revenue actually collected came to Rs. 11,18,937 which was equivalent to 91.84 per cent. of the total outstandings including the previous arrears of Rs. 1,84,706. The monthly rent charged per room in permanent chawls built by *Ex*-Trust ranges from Rs. 4-15-0 to Rs. 10-13-0 for one room tenements, Rs. 8 for larger rooms (with partition), Rs. 18-8-0 to Rs. 25 for two-room tenements and Rs. 30-13-0 to Rs. 36-1-0 for three-room tenements.

The collection on account of rents from these chawls during the year amounted to Rs. 11,18,937 Deducting therefrom the charge on account of outgoings amounting to Rs. 8,13,316 the net income comes to Rs. 3,05,621. The capital expenditure incurred on the chawls including the value of the land is Rs. 151.53 lacs. The Corporation have to pay interest and sinking fund charges at the rate of 4.65 per cent. per annum on the capital expenditure prior to 1919-1920 and 6.35 per cent. per annum on the expenditure incurred in subsequent years. This amounts to Rs. 8.8 lacs per annum (*vide* Appendix 'C'). After deducting the amount of net income from the amount of interest and sinking fund charges, the accounts for the chawls show a loss of about Rs. 6,60,780

At the present rents, huge losses are being incurred by the Municipality on these chawls. This loss has aprticularly increased since 1947 owing to increased salaries, dearness allowance, etc., payable to the staff and the increase in the cost of materials. The buildings are also required to be kept in a good state of sanitation and repairs on account of the insistent demands of the tenants. The wear and tear of these chawls has also increased on account of overcrowding and sub-lettings, putting a heavy pressure on service mains and causing frequent breakdowns, which need to be attended to from time to time.

During the year, a proposal, therefore, for increase in the existing rents of the *Ex*-Trust chawls by 50 per cent. in respect of residential rooms and 60 per cent. of shops and godowns and for creation of an Amenity Fund and Rent Equalisation Fund was submitted to the Corporation. The former fund is to be credited with 25 per cent. of the additional income and the latter with 75 per cent. The proceeds of the first fund will be utilised for providing additional amenities such as improvement of water supply by providing additional storage tanks with electric pumps, additional sanitary conveniences etc., while the latter will be utilised to subsidise the recurring rents of new tenements already constructed and under construction. Approval of the Corporation to the proposal was awaited.

It may be mentioned that even after increasing the existing rents of old tenements by 50 per cent., the rentals will still be lower than those charged by private landlords for similar tenements in the vicinity. They will also be lower than the economic rent worked out on the basis of present expenditure on Sinking Fund, Repairs, Maintenancies, Municipal Taxes, etc.

To look after the work of the sanitation of the chawls 198 members of the conservancy staff were appointed and this work was being supervised by the Mukadams and Chawl Superintendents in charge of each group of chawls.

Sanitary propaganda was carried on by means of instructions and posters as to how to live clean, healthy and long life as was done in the previous years.

Bye-laws for maintaining sanitation etc., at municipal chawls and buildings were enforced and fines aggregating to Rs. 1,128 were imposed and collected from the tenants for breaches of these rules. During the year First Aid Sets and Sick Room Requisites such as Thermometers, Ice-bags, Hot water bags Bed-pans and Urine pots, etc., were supplied to Mankhurd Colony in addition to the 8 chawls centres and Matunga Labour Camp, Dharavi where such sets were supplied in the previous years.

Two radio sets for Bombay Station with 15 watts amplifiers with loud speaker arrangement were installed at (1) Love Lane (2) Imamwada and the installation of a Third-one at (3) Bellasis Road Chawls was awaiting a licence from the Police.

In order that the Chawl Superintedennts and the conservancy staff may be interested in the sanitation of the chawls, the Corporation had by their Resolution No. 533, dated the 9th August 1951 accorded sanction to the institution of a scheme of awarding prizes of Rs. 50 and Rs. 20 to Chawl Superintendent and the Mukadam who maintains the chawls in his charge in the best sanitary condition and a Cash prize of Rs. 10 to the best sweeper in each of the eight different groups of the chawls who keeps his beat absolutely clean.

For the year 1951-52 Chawl Superintendent Shri Samel and Mukadam Dossa Hari of Bellasis Road Chawls were awarded the respective prizes. They were receipnts of prizes during the year 1950-51 also.

The best sweepers (1) Teja Dana, (2) Pitha Bhaya, (3) Govind Jiva, (4) Vithu Rangia, (5) Balam Raghoo (6) Ganu Gangia, (7) Pala Homir, (8) Shivram Mulla of Imamwada, Ballasis Road, Agripada, Love Lane, Chandanwadi, Mominpura, Sydenham and Mazagaon Chawls were also awarded Rs. 10 each. The Standing Committee under Resolution No. 123, dated the 23rd April 1952 accorded sanction for rent free accommodation.

to Chawl Superintendents as their presence on the premises is required throughout the day, they being entrusted with the additional duties like attention to complaints about insanitation, repairs, chokes in drain etc., supplying First Aid and Sick Rooms requisites to the tenants etc.

(*b*) *Semi-permanent sheds.*—The gross demand in respect of 4,003 rooms in the semi-permanent sheds including the permanent ground floor rooms and sheds knowns as Labour Camp for the year, was Rs. 4,08,639. The net demand after excluding the amount of Rs. 2,821 for vacacnies and Rs. 7,658 for concessional rent which was set off against the house rent allowance, was Rs. 3,98,160. The revenue actually collected came to Rs. 3,94,895 which was equivalent to 89.17 per cent. of the total recoverable rent including arrears of Rs. 44,679 for the previous years. Major portion of arrears was due from the tenants who had been allowed to occupy newly constructed tenements in the Labour Camp at a monthly rental of Rs. 15 per room and at Sion and Dharavi at Rs. 20 each.

*General remarks on chawls and semi-permanent sheds.*—The average population in these chawls during the year 1952-53 was 61,217 as against 61,130 in 1951-52 and 58,688 in 1950-51 respectively, while the corresponding figures for semi-permanent sheds including labour Camp were 36,629, 21,915 and 9,604 respectively. The increase in the population of semi-permanent sheds during the year 1952-53 was due to 64 new semi-permanent rooms being constructed and newly occupied. The death rate in the *Ex*-Trust chawls during the year was 4.5 per 1,000 against 5.1 and 7.3 in the years 1951-52 and 1950-51. These were exclusive of deaths not reported to the Chawl Offices as also of those that might have occurred outside the Chawls in Hospitals, etc. Members of the inferior staff who were entitled to receive house rent allowance continued to occupy rooms rent-free in lieu thereof. Railway passes were issued at Municipal cost to such of the members of the inferior staff as were provided with rent free quarters beyond one mile from their place of work. In pursuance of Standing Committee Resolution No. 80, dated the 15th April 1946, 200 scavengers out of 434 belonging to the department were allowed rent free occupations and the remaining members were in receipt of house rent allowance.

The percentage of outgoings in respect of the Chawls and Semi-permanent sheds are shown below on the basis of annual rental of Rs. 10,33,570 for chawls and Rs. 3,98,160 for semi-permanent sheds, the total outgoings came to 78.69 per cent. and 71.84 per cent. respectively.

Statement showing percentages of outgoings in different Items :—

| Particulars. | Permanent chawls. | | Permanent ground floor rooms and S. P. sheds. | | Remarks. |
|---|---|---|---|---|---|
| | 1951-52. | 1952-53. | 1951-52. | 1952-53. | |
| Sanitary staff ... | 19.04 | 18.69 | 20.61 | 18.71 | Including Labour Camps. |
| Pumpmen ... | 0.18 | 0.20 | ..... | ..... | |
| Cost of Management and Establishment | 7.50 | 7.5 | 7.50 | 7.5 | |
| Municipal Rates and Taxes ... | 18.57 | 20.36 | 18.76 | 20.18 | |
| Repairs and Maintenance including lighting ... | *28.29 | 31.64 | 25.59 | 25.99 | |
| Vacancies ... | ..... | ..... | ..... | ..... | |
| | 73.58 | 78.69 | 72.46 | 71.84 | |

*The Expenditure under special repairs in 1952-53 was Rs. 2,49,359 but for the purpose of outgoings 5 per cent. of revenue is allocated.

(*c*) *Acquired premises.*—At the commencement of the year, there were 571 acquired or surrendered buildings in charge of this department. Out of them 8 buildings in Scheme 57 and 1 in each of the schemes Nos. 52 and 32 were demolished. 5 Buildings *viz.*, 4 in Scheme 32 and 1 in Scheme 37, were acquired during the year. There were thus 568 buildings containing 5,008 tenements. The net change during the year was as under :—

| Date. | No. of Bldgs. | Tenements | Gross rental in Lacs. | One room tenements. | two room tenements. | Larger tenements. | Shops. | Godowns. | Factories. |
|---|---|---|---|---|---|---|---|---|---|
| 31-3-52 | 571 | 5,006 | *7.98 | 3,736 | 632 | 289 | 246 | 9[illegible] | 6 |
| 31-3-53 | 568 | 5,008 | *7.98 | 3,734 | 627 | 285 | 253 | 99 | 10 |

*This includes the rentals of temporary tenancies at Rawli Camp.

The gross demand of 5,008 tenements in the acquired and re-entered buildings was Rs. 8,12,638. After excluding the amount of Rs. 3,916 for vacancies and Rs. 3,229 for concessions in rent the net demand for the year was Rs. 8,05,493. The revenue actually collected amounted to Rs. 8,36,009 which was equal to 103.8 per cent. of the net demand and 87.45 per cent. of the total recoverable amount including arrears of Rs. 1,50,503 for the previous years.

*Rawli Hill Camp.*—The gross demand of 915 hutments at Sion Koliwada, Rawli Camp was Rs. 68,489 and after excluding the amount of Rs. 46 for vacancies the net demand was Rs. 68,443. The recovery inclusive of arrears effected amounted to Rs. 87,129

*Summary of revenue.*—Details of the total collection of revenue from permanent leases, short leases and monthly tenancies can be seen from the following table:—

| Particulars. | Collection of Revenue. | | |
|---|---|---|---|
| | Permanent. | Temporary. | Total. |
| Demand for the year | 33,67,506 | 30,03,041 | 63,70,547 |
| Arrears | 5,98,318 | 15,29,022 | 21,27,340 |
| Total | 39,65,824 | 45,32,063 | 84,97,887 |
| Amount collected | 32,31,775 | 29,00,692 | 61,32,467 |
| Variations in the demand for the previous year carried during the year | —12,053 | +72,220 | —12,053 |
| | +233 | .. | +72,453 |
| Amount written off | 16,067 | 18,586 | 34,653 |
| Arrears as on 1st April 1953 | 7,06,162 | 16,85,005 | 23,91,167 |
| Arrears as on 1st April 1952 | 5,98,318 | 15,29,022 | 21,27,340 |
| Arrears as on 1st April 1951 | 4,40,556 | 17,37,592 | 21,78,148 |

*Requisitioned buildings.*—The management and collection of rents in respect of 21 properties having 1236 tenancies requisitioned from private landlords for A. R. P. purposes were continued to be looked after by this department. The demand in respect of these tenancies for the year was Rs. 1,36,543 and the recovery was Rs. 1,33,361 which was equal to 76.68 per cent. of the total recoverable amount including arrears of Rs. 37,387.

The vacant possession of Agarwal Nagar could not be given to the trustees of the Nagar according to the consent decree passed by the High Court. Municipal Solicitor's advice in the matter was awaited.

As regards other requisitioned buildings, efforts were being made to hand over the possession to the owners by providing alternate accommodation to the occupants. Accordingly, one building known as Patel Mansion, one room in Laxmi Narayan Building and 1 block and garrage in Agwarwal Nagar were released to the respective owners during the year.

*Tenements constructed for explosion victims.*—630 tenements constructed at Arthur Road. Fergusson Road and at Wadala for explosion victims were being continued to be managed by this Department. The rents collected therefrom were being credited to a separate head of account and the expenditure incurred for the collection and maintenance including the payment of assessment etc., was being met from the same account.

Electric lights in W. C. Blocks and passages at Shanti Nagar, Arthur Road and Azad Nagar, Wadala were provided at the cost of Rs. 6,180.

The demand in respect of these properties for the year was Rs. 75,761. A sum of Rs. 76,377 was recovered out of the total dues including the arrears and the current deamand aggregating Rs. 79,490.

## B.—Municipal Section

### *Temporary leases*

(1) *Hornby Road to Ballard Pier Scheme.*—The total rent recovered from the scheme during the year amounted to Rs. 4,831. The previous year's recovery was Rs. 4,465.

(2) *Palton Road Estate.*—The total rent recovered from the estate during the year amounted to Rs. 10,449 as against the amount of Rs. 11,277 recovered during the previous year.

(3) *Revenue from Cultivation Rights.*—The fees collected for the right of cultivation, gathering fruits, etc., amounted to Rs. 2,338.

*Statement of collection of Revenue from the old Municipal Properties (Excluding Cultivation).*

| Particulars. | Revenue. | | |
|---|---|---|---|
| | Permanent | Temporary | Total |
| Amount for collection (demand for the year) | 1,06,385 | 5,53,872 | 6,60,257 |
| Amount of arrears for the year | 5,067 | 1,27,000 | 1,32,067 |
| Total | 1,11,452 | 6,80,872 | 7,92,324 |
| Amount collected | 64,407 | 5,00,946 | 5,65,353 |
| Variations in demand for the previous year carried during the year | +59 | —17 | 42 |
| Amount written off | ... | ... | ... |
| Arrears as on 1st April 1953 | 47,104* | 1,79,909 | 2,27,013 |
| Arrears as on 1st April 1952 | 5,067 | 1,27,000 | 1,32 067 |
| Arrears as on 1st April 1951 | 12,143 | 1,14 861 | 1,27,004 |

* The arrears were heavy as a sum of Rs. 28,056. due in respect of plot No. 10 Haji Ali Park agreed to be leased to the Society for Rahabilitation of disabled and Crippled children was not paid by the Soceity. Their request for some relief was under consideration.

## XI.—LEGAL

During the year, 1,300 Ejectment Suits and one claim suit were filed against the Tenants for sub-letting of rooms as also for arreas of rent, taexs etc. The corresponding figures for such suits filed during the previous five years 1947-48, 1948-49, 1949-50, 1950-51, 1951-52, were 270, 587, 519, 845, 965 respectively :—

An expenditure of Rs. 21,015-15-6 was incurred during the year on filing the suits. A sum of Rs. 13,004--10-6 was recovered towards court costs. Some of the suits were still proceeding in the court.

**High Court Suits.**

(1) *Suit No. 223 of 1943 Re : Plot M/3 Scheme 37.*—The defendant, Bai Khatizabai Rupavala paid Rs. 10,000 towards decretal amount and promised to hand over vacant possession of the property by the 7th August 1948. On her failure to vacate, attachment proceedings were taken but in the meantime the party negotiated for settlement and accordingly possession of the property was taken over by the Corporation.

(2) *Suit No. 2784 of 1948 re: recovery of possession of horse Stables at Bapty Road.*—Decree obtained in this suit was kept in abeyance and not executed as the land was not immediately required for the extension of the Municipal workshop.

(3) *Suit No. 1208 of 1952 in respect of 3 plots Nos. 13 to 15 Scheme 37, Sydenham Road Estates.*—This was filed for obtaining vacant possession and recovery of arrears of rent and taxes and the same was pending.

**City Civil Court Suits.**

(1) *Suit No. 106 of 1949.*—This was filed for obtaining possession of bullock and buffalo stable at Bapty Road. Decree obtained in this suit was kept in abeyance and not executed as the land was not immediately required for the extension of the Municipal workshop.

(2) *Suit No. 880 of 1949 re : Plots 107 and 108 in Scheme No. 29.*—The defendants were ordered to vacate on 15th October 1951 and possession thereof was taken on 1st July 1952.

(3) *Suit No. 794 of 1950 regarding plot No. 1-A, Scheme No. 31, Naigaum Estate.*—As the defendant failed to give vacant possession of the plot according to the decree passed on 11th July 1950, steps in execution thereof were in progress.

(4) *Suit Nos. 795 and 800 of 1950, regarding plots Nos. 1-C and 1-B, Scheme No. 31 Naigaum Estate.*—The defendants were allowed time by the Court to deliver vacant possession of the plots. As they failed to give the possession on due dates as ordered by the Court, further proceedings in execution of the decrees were in progress.

(5) *Suits Nos. 836, 918, 919, 920, 921 and 922 of 1950 re : portions of Plots 10 and 11, Scheme No. 37, of Mandvi Divisions.*—In all these suits the defendant was inter alia ordered to deliver vacant possession of the plots on 30th September 1951. Since vacant possession was not handed over, steps in execution thereof were proceeding.

(6) *Suit No. 1358 of 1950 re : Plot No. 2 (East), Sion Matunga Estate.*—By the decree passed on 24th October 1950, the defendants were ordered to deliver vacant possession of the plot on or before 9th April 1952. However, pursuant to the arrangement arrived at, the Bank agreed to give vacant possession by 31st October 1952. Further time was allowed as the Bank gave an undertaking to vacate 3 months before the actual construction work would be taken in and.

(7) *Suit No. 1767 of 1950 re : Plot No. 10 (part) of the Hornby Vellard Scheme.*—As the defendant failed to give possession of the plot, steps were taken for the execution of the decree and as a result possession was obtained.

(8) *Suit No. 826 of 1951 regarding a piece of land on Annie Besant Road of the Hornby Vellard Scheme.*—Decree was passed and vacant possession of the plot was obtained, and the municipal claim was compromised for Rs. 1,500 with the approval of the Standing Committee.

(9) *Suit No. 827 of 1951 regarding a piece of land on Annie Besant Road of the Hornby Vellard Scheme.*—Decree was passed and the defendant was ordered to vacate and deliver possession on or before 21st June 1952. As he failed to do so, possession of the property was obtained. The defendant was adjudicated insolvant and municipal claim was filed with insolvency registrar.

(10) *Suit No. 738 of 1951 regarding room No. 2 on the ground floor in the building in Scheme No. 56, Dharavi.*—This suit was filed by the tenant for a declaration that the Corporation was not entitled to the possesson of the said room and claimed for compensation and costs. Under a consent decree the Plaintiff vacated and delivered vacant possession.

(11) *Suit No. 1095 of 1951 regarding a piece of land at 7th and 8th Kamatipura Streets.*—This suit was filed for the recovery of possession, arrears of rent and taxes and by a consent decree the defendant was ordered by the Court to deliver vacant possession on or before 30th April 1952. As he failed to do so, execution proceedings were taken and as a result, possession of the part of the property was taken.

(12) *Suit No. 1421 of 1951, regarding piece of land in Scheme 57, Sewri Wadala.*—The suit was filed for the recovery of possession and arrears of rent and taxes against 3 persons. A decree was passed against one of the

defendants who delivered possession according to Courts' order. The other two defendants were granted time to vacate on or before 30.h April 1953.

(13) *Suit No. 2155 of 1951 regarding plot at Dharavi, Case No. 191-191 A, Scheme 56.*—This suit was filed for obtaining possession. A decree to vacate and deliver vacant possession of the premises was obtained. But as the defendant failed to vacate, steps in execution were in progress.

(14) *Suit No. 2186 regarding plots Nos. 1 to 7, 8 and 9, in scheme 53 at Bellasis Road Estate.*—A consent decree was passed ordering the defendant to deliver vacant possession. As he failed to do so execution proceedings were in progress.

(15) *Suit No. 2712 of 1951 regarding Plot Nos. 152 and 153 in Scheme 31, Suparibaug.*—A decree was passed ordering the defendant to deliver vacant possession. Possession of the part of the premises was taken and the occupants of the rest of the premises gave an undertaking to vacate by 30th April 1953.

(16) *Suit No. 33 of 1952 regarding 3 plots of land at the junction of Vithalwadi and Gulli.*—A suit was filed for obtaining possession and for recovery of rent and taxes. A consent decree was passed and possession was taken over. As the party was adjudicated insolvent municipal claim for arrears of rent and taxes was lodged with the official assignee.

(17) *Suit No. 315 of 1952 regarding two plots of land at Narial Wadi Victoria Road over Bridge.*—This was filed for obtaining possession and recovery of rent and taxes. Consent decree was passed to give vacant possession but as he failed to vacate, execution proceedings were in progress.

(18) *Suit No. 568 of 1952 and 884 of 1952 regarding pieces of land in plot No. 205 in Scheme 57, North Sewri Wadala Estate.*—These were filed for obtaining possession and recovery of arrears of rent and taxes. The suits were pending.

(19) *Suit No. 569 of 1952 regarding piece of land with stable thereon in Case No. M/773 at T.P. line.*—This was filed for obtaining possession and recovery of arrears of rent and taxes. A consent decree ordering the defendant to vacate by 31st May 1954 was passed.

(20) *Suit No. 598 of 1952 regarding portion of land in plot Nos. 171 and 172 in Scheme 60, Naigaum Estate.*—This was filed for obtaining possession and recovery of rent and taxes. A decree was passed but as the defendant failed to vacate, steps in execution were being taken.

(21) *Suit No. 950 of 1952 regarding land in plot No. 85-A, Scheme 58, Worli.*—This was filed for obtaining possession and recovery of arrears of rent and taxes. The defendant delivered vacant possession according to the consent decree passed.

(22) *Suits Nos. 829, 830, 831, 832, 833, 834 and 835 of 1952 regarding portions of plots Nos. 10, 11 and 12, Scheme 37, Mandvi Division.*—These suits were filed against the Corporation for a declaration that the defendants were not entitled to execute the decrees or writs of possession obtained by them in C. C. C. suit Nos. 920, 921, 808, 836, 809, 918 and 835 of 1950 against the plaintiffs and forcibly evict the latter from suit premises and for injunction cost and other reliefs. The suits were withdrawn with permission of the Court to file fresh suits.

(23) Suits Nos. 1232, 1623, 1740, 1767, 1768, 2061, 2168, 2433, 2720 and 3369 of 1952 regarding (1) portion of land in Case No. 1145, Scheme 6, Sion Matunga Estates (2) Portion of land admeasuring 135 sq. yds. in Scheme 52, Worli (3) portion of land on plot No. 228 Scheme 60, Naigaum Estate (4) Portion of land admeasuring 200 sq.-yds. in Scheme 56 Dharavi (5) 2 portions of land admeasuring 250 and 200 sq. yds. respectively at Body Guard Lines, Mahalaxmi Flats (6) portion of land admeasuring 355 sq. yds. of Plot No. 4A, Scheme 56, Naigaum Estate (7) Property known as Military structures at Worli Hill, Scheme 58 (8) Two portions of land admeasuring 310 and 220 sq. yds. on plots in scheme 6, Sion Matunga Estate (9) Property consisting of 3 floors at Chunam Kiln Lane in Case No. 90, Scheme 37 (10) Two portions of land on plot 233 Scheme 60, Naigaum Estate.

These suits were filed for obtaining possession and recovery of rent and taxes and mesne profits and the same were pending.

(24) *Suits Nos. 1476 and 2158 of 1952 regarding (1) piece of land on plot A admeasuring 2000 sq. yds. on King Edward Road (2) portion of land admeasuring 334¼ sq. yds. in Cases Nos. 949 and 950, Scheme 57, Wadala Village.*—These suits were filed for obtaining possession and recovery of arrears of rent and mesne profits. Consent decrees were passed ordering the defendants to vacate on or before 31st March 1955.

(25) *Suit No. 2421 of 1952 regarding portion of land admeasuring 1124 sq. yds. in plot Nos. 239 and 240, Scheme 60, Naigaum Estate.*—This was filed for obtaiing possession and recovery of arrears of rent and taxes and mesne profits. The suit was transferred on the list of long causes and the defendants were ordered by the Court to deposit a sum of Rs. 50,000 with their Solicitors Messrs. Mulla and Mulla and also a certain sum every month.

(26) *Suits Nos. 2719 and 3057 of 1952 regarding pieces of land (1) admeasuring 220 sq. yds. under Arch No. 24, Mahalaxmi Over Bridge and (2) admeasuring 301 sq. yds. in plot L Scheme 37, Sydenham Road Estates.*—These suits were filed for obtaining possession and recovery of rent and taxes and mesne profits. Decrees were passed.

(27) *Suit No. 3058 of 1952 regarding portion of land admeasuring 650 sq. yds. in plot Nos. 226, 227, 233, 234 and 235, Scheme 60, Naigaum Estate.*—This was filed for obtaining possession and recovery of rent and taxes and mesne profits. The suit was allowed to be dismissed on the defendant clearing the arrears.

*Supreme Court Suits Revenue Suit No. 1 of 1940.*—The appeal filed by Government was dismissed by the Supreme Court with costs. This site of Arthur Crawford Market vested in the Municipality free from Government land revenue. The amount of taxed costs was paid by the Government to the Municipality.

## GENERAL

(1) *Permission for the Construction of additional floors, Motor garages in the Compulsory open spaces etc.*—During the year, permission for the construction of (*i*) motor garages in compulsory open spaces of plots (*ii*)

Additional floors (*iii*) change of user (*iv*) storage tank and pump houses on *Ex*-Trust Estates and Shivaji Park Scheme was granted as under:—

| Description. | No. of plots. | Premium | Ground rent. |
|---|---|---|---|
| | | Rs. | Rs. |
| Motor garage ... | 32 | 85,240 | ... |
| Additional floors ... | 45 | 2,59,365 | ... |
| Change of user ... | 14 | ... | 2,972 |
| Storeage tanks and pump houses etc. ... | 14 | ... | 4,688 |

(2) *Extension of Building period of Plot in Ex-Trust Estates.*—The Corporation under their Resolution No. 294, dated the 28th June 1951 approved of the building period in respect of plots leased on ground rent basis being extended upto 31st March 1953. But owing to the scarcity of the Building materials some of the lessees applied for extension of the period and the matter was under consideration.

(3) *Retention of temporary structures on Ex-Trust Plots.*—Corporation accorded sanction under their Resolution No. 295, dated the 28th June 1951 to allow all authorised temporary structures on plots in all the *Ex*-Trust Estates to be retained only up to 15th February 1953. As the scarcity of the housing accommodation in the City has not eased to an appreciable extent, most of the lessees have represented for retention of the temporary structures for a further period. The matter was under consideration.

(4) *Construction of additional floors over buildings on Ex-Trust plots.*—Under their Resolution No. 1730, dated the 31st March 1949, and No. 691, dated the 11th August 1949, the Corporation approved of the policy for allowing additional floors over buildings on *Ex*-Trust plots provided the plots abut on a road of at least 30' width and subject further to the following conditions:—

(*a*) That the necessary amount of premium shall be paid by the lessee.

(*b*) That the area of the additional floor shall not exceed 50 per cent. of the sanctioned building area of the plot or 75 per cent. of the actual built up area whichever is less.

(*c*) That the additional floor is setback by 10' from the face of the building on the side of the road or roads.

Under their Resolution No. 1878, dated the 27th March 1952, the Corporation, in modification of their previous orders, have permitted the construction of additional floors on all *Ex*-Trust plots, subject only to the condition that the additional floor should be in conformity with Municipal Building Bye-laws. No reference was made in this resolution to the conditions (*a*), (*b*) and (*c*) previously imposed and referred to above and hence modification of this resolution was necessary.

Several representations had also been received that the limits of 50 per cent. of the sanctioned building area and 75 per cent. of the actual built up area in condition (*b*) mentioned above should be so altered as to exclude the areas of the staircase well and the open chowks in the centre, both for the purposes of the above calculation and the calculation of premium.

The Corporation by their Resolution No. 533, dated the 4th September 1952 on the recommendations of the Improvements Committee under their Resolution No. 220, dated the 12th August 1952 approved of the policy of allowing additional floors over buildings on *Ex*-Trust plots irrespective of the fact whether they abut on a road or otherwise subject to the following conditions.

(*a*) That necessary amount of premium or ground rent shall be paid by the lessee or the Building Tenant.

(*b*) That the area of the additional floor exclusive of staircase well or open chowks shall not exceed 50 per cent. of the sanctoned building area of the plot or 75 per cent. of the actual built up area whichever is less.

(*c*) That the additional floor shall be set back by 10' from the face of the building on the side of the road or roads.

(*d*) In case a plot does not abut on any road, the question as to which side of the plot should be teated as the front side for the purpose of the 10' facial set back shall be determined by the Special Engineer having due regard to the layout of the plot.

(5) *Monsoon shelters.*—Under Corporation Resolution No. 544, dated the 9th August 1951, revised rules, governing the erection of temporary monsoon shelters on the open spaces of plots for parking motor cars, were approved, Rule No. 8 of these rules was as under.

"That the shleter together with the frame-work shall be removed by 31st October and in the event of non-removal on or before this date, a penalty of Re. 1 per day per shelter shall be payable without prejudice to the rights of the Corporation to re-enter the property for such breach."

It was, however, found that in some cases a frame work is either firmly embedded in the ground or is firmly fixed to the wall with the result that if the removal of the frame work were insisted on, it would damage the existing wall thereby causing hardship to the lessees or building tenants. In such cases, it was therefore, not considered expedient to insist on the removal of the frame work since the desired object could be achieved if the roof and sides of the shelter were removed after the end of the monsoon. The Corporation by their Resolution No. 598, dated the 18th September 1952 on the recommendations of the Improvements Committee under their Resolution No. 193 dated the 12th August 1952, have, therefore, approved to allow such frameworks to be retained after 31st October free of charge provided that the party gives an undertaking not to cover up the frame-work and deposits Rs. 50 for compliance with this condition. This amount will be forfeited in case any misuse is detected and the forfeiture of the deposit will be without prejudice to the rights of the Corporation to take such action as may be necessary by way of re-entry for the breach committeed.

(6) *Dustbins.*—According to the present requirements of the Health Department, the refuse of a building or a small lane has to be accumulated at a certain place. The lorry of the Health Department removes the refuse once a day. Proposals were, therefore, received from the lessees of the *Ex*-Trust plots for the construction of dust-bins in the compounds. Some of the lessees had already constructed dust-bins. The Corporaton, therefore, by their Resolution No. 1327, dated the 19th February 1953, gave a general sanction to the construction of a dustbin of the size $2\frac{1}{2}' \times 2\frac{1}{2}' \times 2\frac{1}{2}'$ being constructed in the compulsory open spaces of plots free of extra premium on every plot as recommended by the Improvements Committee under their Resolution No. 402, dated the 13th January 1953.

(7) *Watchmen's cabin.*—In view of the increasing number of thefts in the City, a number of lessees represented that they may be permitted to put up Watchmen's Cabins in the compulsory open spaces of plots in *ex*-Trust and Shivaji Park Estates. Their grievance was genuine since the presence of watchman is necessary when the male members of the house attend to work during the day. In view of this, the Corporation by their Resolution No. 119, dated the 4th May 1953 on the recommendations of the Improvements Committee under the Resolution No. 564, dated the 31st March 1953, accorded general sanction for allowing moveable wooden cabins for watchmen not exceeding 3'×3' in size on each *Ex*-Trust plot permanently leased or agreed to be leased for residential purposes subject to the condition that no beneficial use is made by the Building Tenants or lessees out of such construction.

(8) *Checking encroachment etc., on compulsory open spaces.*—In about 498 cases the lessees of plots in *Ex*-Trust estates were found to have made encroachments on compulsory open spaces and had allowed change of user in their properties. In all such cases action to remedy such irregularities were in progress and in few cases where they were considered to be technical in nature, they were got regularised by recovery of extra premium or ground rent.

(9) *Plots un-built upon.*—At the end of the year, about 440 plots, possession of which was already given to the parties were lying vacant as they could not start construction work on account of scarcity of building materials and their prohibitive prices. There were also about 486 plots admeasuring 8,88,553 square yards agreed to be leased but possession of which could not be handed over to the Building Tenants either on account of temporary lettings standing thereon or due to want of proper access or drainage arrangements. The annual ground rent of them would amount to Rs. 11,74,779.

(10) Messrs. Ibcon Ltd., were appointed under Corporation Resolution No. 111 dated the 5th May 1952 to study and report on the re-organisation of the Department with a view to increasing efficiency, accelerating disposal of work by introducing methods of simplification, elimination of duplicate procedures and consequent wastage of labour. They commenced their study from July 1952 and submitted in February 1953 their first report covering a personnel of 620 (executive staff, rent collection staff, conservancy staff and peons) out of the total strength of 796 presons inclusive of office establishment and Accounting Staff. The report envisaged a reduction of 27.6 per cent. of the staff when all the recommendations made by them are implemented and a gross annual saving of Rs. 2,23,000. For carrying out their recommendations they have proposed a capital outlay of Rs. 35,000. After allowing for interest, depreciation and maintenace charges of the equipment, the net annual saving of Rs. 2,12,000 is anticipated.

Shri P. C. Pandya, Standards Officer, C.A.'s Department was assigned to take up implementation of Messrs. Ibcon's report in addition to his duties in the Accounts Department.

Progress of implementation in the first month (March 1953) is indicated in the management control indices furnished below:—

| Period. | | | Actual staff. | Std. staff | Index. |
|---|---|---|---|---|---|
| Reference | ... | ... | 620 | 449 | 72.4 per cent. |
| March 1953 | ... | ... | 611 | 449 | 73.4 per cent. |

The 2nd report on the re-organisation of the remaining sections (Office Establishment, Acquisition Division and Accounting Staff) is awaited.

Both the outdoor and indoor staff worked efficiently and well.

N. D. BARIA,
*Estate Agent and Land Manager.*

APPENDIX "A" *Capital Account.* Figures in Lakhs.

| Particulars. | 1949-50 | | 1950-51 | | 1951-52 | | 1952-53 | |
|---|---|---|---|---|---|---|---|---|
| | In the year. | To end of the year. | In the year. | To end of the year. | In the year. | To end of the year. | In the year. | To end of the year. |
| RECEIPT. | | | | | | | | |
| Loan ... | ... | 1736.9 | ... | 1,736.9 | ... | 1736.90 | ... | 1,736.90 |
| Discount or Premium ... | ... | —14.2 | ... | —14.2 | ... | —14.20 | ... | —14.20 |
| Sale Proceeds ... | 39.00 | 624.1 | 8 | 632.1 | 8.26 | 640.36 | 12.28 | 652.64 |
| Appropriation from General Account ... | —.58 | —202.12 | —4.12 | 206.24 | +2.58 | 203.66 | —5.89 | —209.55 |
| Special contribution from Government... | ... | 54.0 | ... | 54.0 | ... | 54.00 | ... | 54.00 |
| Release of Debentures lodged with Govt. | ... | 42.6 | ... | 42.6 | ... | 42 60 | ... | 42.60 |
| Extraordinary receipts ... | ... | 25.1 | ... | 25.1 | ... | 25.10 | ... | 25.10 |
| Miscellaneous ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 38.42 | 2,26.6.38 | 3.88 | 2,270.26 | 10.84 | 2281.10 | —6.39 | 2,287.49 |
| EXPENDITURE | | | | | | | | |
| *I.—On Govt. and Municipal Property*— | | | | | | | | |
| Schedule 'W' ... | ... | 13.5 | ... | 13.5 | ... | 13.50 | ... | 13.50 |
| Do. 'X' ... | ... | 16.2 | ... | 16.2 | ... | 16.20 | ... | 16.20 |
| Do. 'Y' ... | ... | 4.7 | ... | 4.7 | ... | 4.70 | ... | 4.70 |
| Police Accommodation Schemes | ... | 91.6 | ... | 91.6 | ... | 91.60 | ... | 91.60 |
| Total ... | ... | 126.0 | ... | 126.00 | ... | 126.00 | ... | 126.00 |
| *II.—On the Trust own acquired lands*— | | | | | | | | |
| Cost of Management and Estab. | 2.31 | 192.89 | 3.58 | 196.47 | 3.83 | 200.30 | 2.28 | 202.58 |
| Acquisition of land ... | .06 | 979.86 | .01 | 979.87 | .37 | 980.24 | .17 | 980.41 |
| Chawls ... | 2.08 | 133.18 | 9.59 | 142.77 | 12.80 | 155.57 | 6.85 | 162.42 |
| Roads ... | 9.43 | 437.56 | 17.48 | 455.04 | 16.71 | 471.75 | 9.20 | 480.95 |
| Other works ... | 1.60 | 28.93 | 6.34 | 35.27 | 6.40 | 41.61 | 3.33 | 45.00 |
| Mill companies chawls ... | ... | 7.7 | ... | 7.70 | ... | 7.70 | ... | 7.70 |
| Total ... | 15.48 | 1780.12 | 37.00 | 1,817.12 | 40.11 | 1857.23 | 21.83 | 1,879.06 |
| *III.—Miscellaneous*— | | | | | | | | |
| Office Buildings ... | ... | 4.5 | ... | 4.50 | ... | 4.50 | ... | 4.50 |
| Other items ... | ... | 12.3 | ... | 12.30 | ... | 12.30 | ... | 12.30 |
| Total ... | ... | 16.8 | ... | 16.80 | ... | 16.80 | ... | 16.80 |
| *IV.—Disposal of Profits* ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *V.—Debentures lodged with Govt.* ... | ... | 42.6 | ... | 42.60 | ... | 42.60 | ... | 42.60 |
| *VI.—Repayment of Loan* ... | ... | 98.45 | ... | 98.45 | ... | 98.45 | ... | 98.45 |
| Total ... | 15.48 | 2063.97 | 37.00 | 2,100.97 | 40.11 | 2141.08 | 21.83 | 2,162.91 |
| Balance ... | 22.94 | 202.41 | —33.12 | 169.29 | 29.27 | 140.02 | 15.44 | 124.58 |

## APPENDIX "B" — *Analysis of General Account* (Figures in columns 2 to 12 shown in lakhs)

| Year. | Receipts | | | | | | Expenditure | | | | | Balance appropriated Capital account. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rents. | Municipal contribution. | Share of tobacco duty. | Interest on investment. | Miscellaneous. | Total. | Maintenance. | Municipal rates and taxes. | Interest and sinking fund. | Miscellaneous. | Total. | | |
| (1) | (2) | (3) | (3A) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| 1898-1899 ... | 1.9 | ... | ... | ... | ... | 1..9 | 1.1 | ... | ... | ... | 0.1 | 1.8 | |
| 1899-1900 ... | 0.7 | ... | ... | 0.8 | ... | 1.5 | 0.2 | 0.2 | ... | ... | 0.4 | 1.1 | Rent received in 1898-99 was mainly rent under Schedule "Z" |
| 1900-1901 ... | 0.9 | 4.8 | ... | 1.6 | ... | 7.3 | 0.3 | 0.2 | 2.2 | ... | 2.7 | 4.6 | |
| 1901-1902 ... | 1.2 | 4.8 | ... | 1.5 | ... | 7.5 | 0.4 | 0.2 | 2.5 | ... | 3.1 | 4.4 | |
| 1902-1903 ... | 1.4 | 5.0 | ... | 3.5 | ... | 9.9 | 0.4 | 0.2 | 4.1 | ... | 4.7 | 5.2 | |
| 1903-1904 ... | 2.6 | 3.5 | ... | 2.3 | ... | 8.4 | 0.4 | 0.4 | 5.7 | 0.1 | 6.6 | 1.8 | |
| 1904-1905 ... | 5.8 | 2.0 | ... | 2.7 | ... | 10.5 | 0.7 | 0.9 | 8.1 | 0.1 | 9.8 | 0.7 | |
| 1905-1906 ... | 9.7 | 2.5 | ... | 1.9 | ... | 14.1 | 1.4 | 1.3 | 10.1 | 0.1 | 12.9 | 1.2 | |
| 1906-1907 ... | 8.5 | 3.0 | ... | 2.1 | 0.1 | 13.7 | 1.9 | 1.1 | 11.2 | 0.1 | 14.3 | —0.6 | |
| 1907-1908 ... | 8.1 | 3.6 | ... | 2.4 | 0.1 | 14.2 | 2.2 | 1.0 | 12.1 | 0.1 | 15.4 | —1.2 | |
| 1908-1909 ... | 9.4 | 4.5 | ... | 1.2 | 0.1 | 15.2 | 2.5 | 0.8 | 13.0 | 0.1 | 16.4 | —1.2 | |
| 1909-1910 ... | 11.4 | 7.8 | ... | 1.5 | 0.2 | 20.9 | *3.3 | 1.0 | 16.0 | 0.1 | 20.4 | 0.5 | *Includes interest paid to Government and the Municipality under Section 68 (1) of the old Act as shown below :— |
| 1910-1911 ... | 14.4 | 8.9 | ... | 1.5 | 0.1 | 24.9 | *3.1 | 1.0 | 19.1 | 0.1 | 23.3 | 1.6 | |
| 1911-1912 ... | 16.6 | 8.6 | ... | 2.2 | 0.1 | 27.5 | *3.0 | 1.3 | 20.2 | 0.1 | 24.6 | 2.9 | |
| 1912-1913 ... | 18.0 | 9.2 | ... | 2.0 | ... | 29.2 | *2.7 | 1.0 | 20.5 | 0.1 | 24.3 | 4.9 | |
| 1913-1914 ... | 20.9 | 9.3 | ... | 2.5 | ... | 32.7 | *2.4 | 1.2 | 21.4 | 0.3 | 25.3 | 7.4 | |
| 1914-1915 ... | 23.0 | 9.8 | ... | 1.5 | 0.1 | 34.4 | 2.7 | 1.5 | 22.4 | 0.3 | 26.9 | 7.5 | |
| 1915-1916 ... | 24.8 | 10.2 | ... | 1.5 | ... | 36.5 | 2.9 | 1.6 | 23.8 | 0.3 | 28.6 | 7.9 | |
| 1916-1917 ... | 27.2 | 11.0 | ... | 2.5 | 0.1 | 40.8 | 3.1 | 1.7 | 25.8 | 0.2 | 30.8 | 10.0 | |
| 1917-1918 ... | 29.8 | 11.0 | ... | 2.9 | 0.1 | 43.8 | 3.6 | 1.7 | 25.6 | 0.2 | 31.1 | 12.7 | |
| 1918-1919 ... | 33.2 | 11.5 | ... | 2.0 | 0.1 | 46.8 | 3.6 | 2.0 | 25.2 | 0.2 | 31.0 | 15.8 | |
| 1919-1920 ... | 35.7 | 15.2 | ... | 1.7 | 0.2 | 52.8 | 3.7 | 2.2 | 24.1 | 0.6 | 30.6 | 22.2 | |
| 1920-1921 ... | 37.5 | 15.7 | ... | 5.4 | 0.5 | 59.1 | 4.0 | 2.4 | 29.4 | 1.0 | 36.8 | 22.3 | |
| 1921-1922 ... | 43.4 | 15.8 | ... | 5.4 | 0.4 | 65.0 | 6.4 | 2.9 | 52.6 | 0.6 | 62.5 | 2.5 | |
| 1922-1923 ... | 45.0 | 17.9 | ... | 4.9 | 0.1 | 67.9 | 7.9 | 3.5 | 64.1 | —0.5 | 75.0 | —7.1 | |
| 1923-1924 ... | 44.2 | 19.1 | ... | 7.6 | 0.2 | 71.1 | 9.6 | 3.2 | 74.2 | 0.6 | 87.6 | —16.5 | |
| 1924-1925 ... | 50.5 | 20.2 | ... | 6.4 | 0.4 | 77.5 | 9.0 | 4.4 | 80.6 | 0.6 | 94.6 | —17.1 | |
| 1925-1926 ... | 48.7 | 22.3 | ... | 6.8 | 0.2 | 78.0 | 8.6 | 3.4 | 93.7 | 0.2 | 105.9 | —27.9 | |
| 1926-1927 ... | 49.5 | 22.4 | ... | 7.2 | 3.2 | 82.3 | 9.6 | 3.6 | 90.5 | —0.3 | 103.4 | —21.1 | *Includes an amount of Rs. 1.23 lakhs still to be adjusted. |
| 1927-1928 ... | 48.5 | 23.1 | ... | 6.3 | 2.3 | 80.2 | 11.3 | 3.8 | 90.2 | ... | 105.3 | —25.1 | |
| 1928-1929 ... | 47.6 | 23.0 | ... | 3.8 | 1.0 | 75.4 | 10.6 | 2.7 | 90.4 | ... | 103.7 | —28.3 | |
| 1929-1930 ... | 51.0 | 22.9 | ... | 2.7 | 0.1 | 76.7 | 10.2 | 2.9 | 89.3 | ... | 102.4 | —25.7 | |
| 1930-1931 ... | 50.2 | 23.1 | ... | 2.7 | 0.2 | 76.2 | 10.2 | 3.4 | 92.1 | ... | 105.7 | —29.5 | |
| 1931-1932 ... | 49.3 | 23.5 | ... | 1.4 | 0.1 | 74.3 | 10.5 | 3.3 | 94.3 | ... | 108.1 | —33.8 | |
| 1932-1933 ... | 49.3 | 23.5 | 7.4 | 1.1 | 0.1 | 81.4 | 11.8 | 3.0 | 96.5 | ... | 111.3 | —29.9 | |
| 1933-1934 ... | 49.2 | 32.9 | 11.4 | 3.9 | ... | 97.4 | 7.5 | 4.4 | 98.2 | ... | 110.1 | —12.7 | |
| 1934-1935 ... | 50.9 | 33.4 | 10.9 | 3.3 | ... | 98.5 | 9.6 | 4.2 | 98.6 | ... | 112.4 | —13.9 | |
| 1935-1936 ... | 50.3 | 33.4 | 9.8 | 2.8 | 0.1 | 96.4 | 9.5 | 3.8 | 102.3 | 20.8 | 136.4 | —40.0 | |
| 1936-1937 ... | 51.2 | 32.2 | 11.8 | 4.9 | 0.2 | 100.3 | 10.3 | 3.6 | 85.2 | ... | 99.1 | +1.2 | |
| 1937-1938 ... | 50.6 | 34.4 | 12.4 | 4.6 | 0.6 | 102.6 | 10.5 | 3.3 | 83.1 | ... | 96.9 | +5.7 | |
| 1938-1939 ... | 52.0 | 34.3 | 10.4 | 4.2 | 0.4 | 101.3 | 15.0 | 3.2 | 80.9 | ... | 99.1 | +2.2 | |
| 1939-1940 ... | 53.5 | 37.1 | 9.9 | 3.4 | 0.4 | 104.3 | 16.1 | 3.4 | 80.2 | ... | 99.7 | +4.6 | |
| 1940-1941 ... | 52.5 | 35.7 | 5.4 | 3.9 | 0.6 | 98.1 | 18.1 | 3.6 | 80.3 | ... | 102.0 | —3.9 | |
| 1941-1942 ... | 52.3 | 36.9 | 10.0 | 4.0 | 0.3 | 103.5 | 14.3 | 3.4 | 80.0 | ... | 97.7 | +5.8 | |
| 1942-1943 ... | 54.2 | 24.7 | 4.1 | 4.0 | 0.3 | 87.3 | 14.4 | 3.2 | 79.6 | 6.3 | 103.5 | —16.2 | |
| 1943-1944 ... | 54.7 | 26.3 | 10.0 | 4.0 | 0.4 | 95.4 | 15.2 | 3.2 | 79.5 | ... | 97.9 | —2.5 | |
| 1944-1945 ... | 60.0 | 27.3 | 10.0 | 4.4 | 0.3 | 102.0 | 17.3 | 4.1 | 78.1 | ... | 99.5 | +2.5 | |
| 1945-1946 ... | 60.3 | 28.4 | 7.5 | 4.3 | 0.5 | 101.0 | 20.0 | 4.4 | 77.6 | ... | 102.0 | —1.0 | |
| 1946-1947 ... | 60.1 | 30.0 | 8.6 | 4.7 | 0.3 | 103.7 | 23.1 | 4.6 | 76.6 | ... | 104.3 | —0.6 | |
| 1947-1948 ... | 67.9 | 30.0 | 9.2 | 5.5 | 0.3 | 112.9 | 24.2 | 4.4 | 77.1 | ... | 105.7 | +7.2 | |
| 1948-1949 ... | 59.0 | 31.7 | 2.0 | 5.4 | 0.6 | 98.7 | 31.0 | 4.7 | 77.0 | ... | 112.7 | —14.0 | |
| 1949-1950 ... | 60.7 | 32.9 | 10.0 | 5.9 | 0.7 | 110.2 | 29.8 | 4.7 | 76.3 | ... | 110.8 | —.6 | |
| 1950-1951 ... | 59.4 | 34.6 | 10.0 | 5.8 | 0.5 | 110.3 | 32.1 | 4.9 | 77.4 | ... | 114.4 | —4.1 | |
| 1951-1952 ... | 60.8 | 36.3 | 10.0 | 5.8 | 0.6 | 113.5 | 28.5 | 5.9 | 76.5 | ... | 110.9 | + 2.6 | |
| 1952-1953 ... | 63.58 | 35.84 | 7.42 | 5.32 | .73 | 112.89 | 33.8 | 9.1 | 75.89 | ... | 118.79 | —5.9 | |
| Total to the end of 1952-1953. | 2043.08 | 1067.04 | 188.22 | 193.62 | 17.93 | 3509.89 | 344.6 | 151.1 | 436.29 | 32.4 | 3719.49 | —209.6 | |

| Year. | Government. Rs. | Municipality. Rs. | Total. Rs. |
|---|---|---|---|
| 1909-10 ... | 65,350 | 41,241 | 1,06,591 |
| 1910-11 ... | 46,440 | 37,841 | 84,281 |
| 1911-12 ... | 61,858 | 37,276 | 99,134 |
| 1912-13 ... | 68,194 | 37,431 | 1,05,625 |
| 1913-14 ... | 54,644 | 27,668 | 82,312 |
| Total ... | 2,96,486 | 1,81,457 | 4,77,943 |

## APPENDIX

### *Particulars of Municipal (Improvements) Chawls, Capital Cost, Net Annual Returns*

| Serial No. | Name of the Chawl. | Year in which the site of chawls appropriated or construction of chawls. | Total area of the site of chawls sq. yds | Rate per sq.yds. as in the year given in column 3. | Value of the site (cols. 4 & 5) | Constructional cost of the chawls including 7½ per cent. for management and establishment. | Cost of work, value of the land and management and establishment charges (columns 6 and 7). | Interest and Sinking fund charges on Capital outlay at 4.61 per cent. on column 8 up to 1919 and thereafter at 6.35 percent. | Gross annul rent. | Annual profit + or loss — *i.e.*, 21.31 per cent. of column 10—9. |
|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| | | | Sq. Yds. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1 | 1—4 Agripada A Chawls ... | 1900 | 7,285 | 7 | 50,995 | 1,85,505 | 2,36,500 | 10,903 | 24,379 | —5,708 |
| 2 | 5—16 Do. B do. ... | 1903 | 11,925 | 6 | 71.550 | 5,41,639 | 6,13,189 | 28,269 | 60,755 | —15,322 |
| 3 | 31—32, 38—40, 45—46 Do. C do. ... | 1903 | 6,251 | 6 | 37,506 | 2,79,182 | 3,16,688 | 14,599 | 32,636 | —7,644 |
| 4 | 19—24 Chandanwadi Chawls ... | 1904 | 9,664 | 15 | 1,44,960 | 3,76,915 | 5,21,875 | 24,059 | 68,395 | —9,484 |
| 5 | 25—27, 29,30& 31 Imamwada A Chawls ... | 1905 | 13,442 | 13.8 | 1,81,467 | 4,98,562 | 6,80,029 | 31,349 | 63,026 | —18,356 |
| 6 | 50 Do. B do. ... | 1905 | 949 | 13.8 | 12,811 | 19,368 | 32,179 | 1,483 | | |
| 7 | 33—37 Mandvi-Koliwada Chawls ... | 1908 | 4,169 | 75 | 3,12,675 | 2,76,040 | 5,88,715 | 27,140 | 56,290 | —15,145 |
| 8 | 52 Workmen's Cottages, Matunga ... | 1905 | 944 | 5 | 4 720 | 12,083 | 16,803 | 774 | 1,293 | —498 |
| 9 | 17—18 Nagpada A Chawls ... | 1903 | 2,569 | 7 | 17 983 | 8,2358 | 1,00,341 | 4,626 | 11,448 | —2,186 |
| 10 | 39 Do. B do. ... | 1904 | 2,099 | 7 | 14,693 | 99,776 | 1,14,469 | 5,277 | 11,448 | —2,837 |
| 11 | 28 Princess Street Chawls ... | 1907 | 1,480 | 30 | 44,400 | 42,412 | 86,812 | 4,002 | 6,096 | —2,703 |
| 12 | 42—44, 47—49 Suparibaug Chawls ... | 1910 | 8,081 | 4.8 | 36,364 | 3,39,878 | 3,76,242 | 17,345 | 34,200 | —10,057 |
| 13 | 52—57 Chinch Bunder Chawls | 1913 | 8,496 | 26.66 (d) | 2,26,560 (c) | 3,79,622 | 6,06,182 | 27,945 | 60,141 | —15,129 |
| 14 | 86—95 Cottage Blocks (old) ... | 1920 | 2,780 | 10 | 27,800 | 36,069 | 63,869 | 4,056 | 3,108 | —3,394 |
| 15 | 58—61 Mahar Chawls ... | 1921 | 4,181 | 15 | 62 715 | 4,39,814 | 5,02,529 | 31,911 | 29,183 | —25,692 |
| 16 | 62 Peons Chawls ... | 1921 | 3,419 | 15 | 51,285 | 1,70,863 | 2,22,148 | 14,106 | 12,980 | —11,340 |
| 17 | 63—66 Mominpura Chawls (Old) ... | 1921 | 7,760 | 15 | 1,16,400 | 4,31,655 | 5,48,055 | 34,801 | 24,924 | —29,490 |
| 18 | 67—72 Three-room tenements, Scheme 5 | 1922 | 5,609 | 6 | 33,654 | 2,64,717 | 2,98,371 | 18,946 | 14,533 | —15,849 |
| 19 | 73—78 Two-room tenements, Scheme 6 | 1922 | 4,234 | 6 | 25,404 | 2,91,972 | 3,17,376 | 20,153 | 17,775 | —16,365 |
| 20 | 79—85 Cottage Blocks (new) ... | 1922 | 7.808 | 6 | 46,848 | 69,312 | 1,16,160 | 7,376 | 2,842 | —6,769 |
| 21 | Blocks. 1—19 Bellasis Road Chawls ... | 1922 | 35,704 | 19 | 6,78,376 | 25,75,065 | 32,53,441 | 2,06,594 | 1,90,106 | —1,66,082 |
| 22 | 1—16 Mazagaon Chawls ... | 1922 | 29,081 | 10 | 2,90,810 | 21,77,079 | 24,67,889 | 1,56,711 | 1,19,897 | —1,31,161 |
| 23 | 1 Mominpura Chawls (New) ... | 1923 | 3,911 | 20 | 78,220 | 3,14,276 | 3,92,496 | 24.923 | 21,884 | —20,260 |
| 24 | 1—23 Love Lane Chawls | 1925 | 13,367 | 18.8 | 2,47,289 | 11,36,407 | 13,83 696 | 87,865 | 89,744 | —68,741 |
| 25 | 1—10 Sydenham Road Chawls ... | 1925 | 12,795 | 16 | 2,04,720 | 7,78,071 | 9,82,791 | 62,407 | 60,054 | —49,610 |
| 26 | 1—2 Pattan Road Chawls ... | 1940 | 3,255 | 25 | 81,375 | 2,32,503 | 3,13,878 | 19,931 | 26,066 | —14,376 |
| 27 | 3 Pelton Road Chawl* ... | 1952 | | | | | | | 15,948 | 3,398 |
| | Total | ... | 2,11,258 | ... | 31,01,580 | 1,20,51,143 | 1,51,52,723 | 8,87,551 | 10,64,154 | —6,60,780 |

* This is a new chawl constructed in 1952. Full particulars of cost etc. are not still available. The amount of rent is for 6 months.

(a) Rs. 8—0—0 for 8 larger rooms (double rooms having partition inside

(b) Represents looms.

(c) This figure represents the value at Rs. 40 per sq. yd. of the site situated between the 25' road and the Railway and measuring 5664 sq. yds.

(d) This figure is arrived at by dividing (c) by 8496 yds.

A= Includes rooms rent free in lieu of H.R.A. Sweepers.
B=Rooms used for Office & Stores.
C= do temporarily occupied by Schools.
D= do occupied by Chawl Supds. quarters including Office & Stores.
E= do do do Shops.
F= do do do Gymnasium.
G= do do do Godowns.

## APPENDIX

### *Statement showing dishousing and rehousing operations on the Trust*

| Year. | Number of tenements demolished up to the end of the year | | | | Number of tenements provided up-to | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Municipal Buildings | | | (1) In Police Accommodation, Schemes (2) In Poorer Classes Do. Do. (3) By Mill Companies and (4) In B. D. D. Chawls | | | | |
| | One room. | Two room. | Larger. | Total Col. (2) to (4). | Permanent chawls. | S. P. Sheds. | Total Col. (6) and (7). | One room. | Two rooms. | Larger. | Servants quarters. | Total Col. (9) to (12). |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| 1898-99 to 1950-51. ... | 29,353 | 5,479 | 3,664 | 38,496 | 10,277 | 3,077 | 13,354 | 18,198 | 160 | 349 | 163 | 18,870 |
| 1951-52 ... | 2 | ... | ... | 2 | ... | 859 | 859 | ... | ... | ... | ... | ... |
| 1952-53 ... | 144 | ... | ... | 144 | 86 | 67 | 153 | ... | ... | ... | ... | ... |
| Total ... | 29,499 | 5,479 | 3,664 | 38,642 | 10,363 | •4,003 | 14,366 | 18,198 | 160 | 349 | 163 | 18,870 |

C.

*Number of tenements, full letting value and permissible actual population.*

| Percentage of net annual return 21.31 of col. (10) of capital cost (col. 8). | Total Number of rooms. Columns 18+19. | Number of floors including ground floor. | Floor area of tenements including verandah. | Rent per room as on 31-3-1953. | Economic rent | Number of rooms living purposes. | Number of rooms let for Shops, Godowns, or Municipal purposes. | Total population | Equivalent Adults. | Maximum permissible population in adults. | | Population per acre in largest groups per column No. 20. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Population per tenement. | Total population. | |
| (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) | (21) | (22) | (23) | (24) |
| | | | Sq. ft. | Rs. as. | | | | | | | | |
| 2.69 | 312 | 3 | 175 | 5 12 | 8 14 0 | 276 | 1—B, 5—D & 30—E | 2,705 | 1,803 | 5 | 1,375 | |
| 2.62 | 658 | 4 | 110 | (a) 8 0<br>4 15 | 7 10 0 | 926 | 20—E | 4,614 | 4,668 | 4 | 3,708 | 1,394 |
| | 288 | | 142 | 5 6 | 8 1 0 | | | | | | | |
| 2.72 | 433 | 4 | 177 | 5 6 | 8 12 0 | 414 | 18—E, 1—F | 2,171 | 1,936 | 5 | 2,065 | |
| 3.47 | 674 | 4 | 125 | 7 10 | 10 6 0 | 633 | 2—D, 9—E | 4,033 | 2,840 | | 2,656 | 1,701 |
| 2.51 | 857 | 4 | 135 | Rs. 6-6.0, 6-10.0, 6-14, | 9-13, 10-1. 10-5 | 846 | 2—B, 4—C & 5—D | 4,082 | 3,824 | 4 | 3,380 | 1,264 |
| 2.53 | 30 | 4 | 160 | Rs. 6-6, 6-10, 6-14 | Rs. 9-13 10-1, 10-5 | 30 | ... | ... | ... | ... | ... | ... |
| 2.03 | 278 | 4 | 176 | 8 5 | 17 5 0 | 222 | 30—E, 26—G | 1,562 | 1,314 | 5 | 1,110 | 1,245 |
| 3.01 | 15 | 1 | 120 | 7 3 | 12 7 0 | ... | ... | ... | ... | 4½ | 67½ | ... |
| 2.64 | 144 | 4 | 148 | 6 10 | 9 10 0 | 144 | ... | 1,945 | 1,800 | 5 | 720 | 1,732 |
| 1.85 | 144 | 4 | 160 | 6 10 | 9 10 0 | 144 | ... | ... | ... | 3½ | 504 | |
| 2.40 | 64 | 4 | 136 | 7 15 | 14 2 0 | 64 | ... | 472 | 405 | 4 | 256 | ... |
| 2.09 | 481 | 4 | 176 | 5 13 | 9 4 0 | 479 | 1—B, 1—F | 2,986 | 2,823 | 4½ | 2,155½ | ... |
| 1.28 | 405 | 2 | 176 | 6 7 | 13 6 0 | 372 | 33—G | 2,425 | 2,235 | 3½ | 1,302 | 1,222 |
| 1.53 | 14 | 1 | 275 | 18 8 | 38 0 0 | ... | ... | ... | ... | 5 | 70 | ... |
| 1.51 | 325 | 4 | 176 | 7 6 | 13 12 0 | 320 | 4—E 1—F | 4,160 | 2,885 | 5 | 1,600 | ... |
| 1.20 | 134 | 4 | 175 | 8 3 | 15 13 0 | 131 | 3—E | 1,207 | 926 | 5 | 655 | ... |
| 1.28 | 246 | 4 | 175 | 7 3 | 13 8 0 | 241 | 6—D | 2,562 | 1,996 | 5 | 1,200 | 1,488 |
| 1.48 | (b) 160<br>36 | 3 | 562 | Rs. 30-15,34 & 36-1 | Rs. 55, 60 & 65 | ... | ... | ... | ... | ... | ... | ... |
| .65 | 72 | 3 | 338 | Rs22-10,20-9, Rs. 17-8. | Rs. 35, 33, 32 | ... | ... | ... | ... | ... | ... | |
| 1.33 | 10 | 3 | 325 | Rs. 23-11 | 35 | ... | ... | ... | ... | ... | ... | ... |
| 1.24 | 1,549 | 1 | 176 | Rs 8-3, 14-4, & 9-12 | Rs. 16-5, 18-6, 17-14 | 1,513 | 20—C 7—D & 9—E, | 8,120 | 6,690 | 5 | 7,565 | ... |
| 1.47 | 1,305 | 4 | 176 | Rs. 7-3, 7-11 | R3, 15-6, 15-14 | 1,263 | 36—C, 4—D & 2—E | 7,534 | 6,647 | 5 | 6,350 | ... |
| 1.71 | 234 | 4 | 176 | Rs. 7-3. | 13 8 0 | 227 | 7—E | 1,900 | 1,425 | | 1,140 | 1,944 |
| 1.61 | (b) 54<br>821 | ... 4 | 176 | Rs. 8-12 9-4, 9-12, 10-4 10-12. | Rs. 15-9, 16-1, 16-9, 17-1, 17-9 | 792 | 6—D, 22—E, & 1—F | 5,130 | 4,706 | | 3,060 | ... |
| 2.11 | 391 | 4 | 176<br>328 | Rs. 8-12, 9-4 9-12, 18-8, 19-9 & 20-9 | Rs. 15-7, 16, 16-8, 32, 33, 35 | 387 | 1—B, 1—C, 1—D & 1—E | 2,612 | 2,215 | 5 | 1,025 | ... |
| 1.75 | 156 | 4 | 180 | Rs. 8-3, 8-12, 9-4, | Rs. 15-7, 16, 16-8 | 125 | 24—E 7—G | 997 | 798 | 5 | 630 | ... |
| | 86 | 4 | 180 | Rs. 25,62 | Rs. 35 | | | 425 | 397 | | | |
| | 10,376 | ... | .. | ... | ... | ... | ... | 61,217 | 51,923 | ... | ... | ... |

* 5—B, 61—C, 35—D, 180—E, 4—F, 66—C.

D.

*Estates since the commencement of the Trust.*

| THE END OF THE YEAR | | | | | | | | | NET ADDITION (+) OR REDUCTION (—) | |
|---|---|---|---|---|---|---|---|---|---|---|
| IN LESSEES' BUILDINGS | | | | | | | | | | |
| One room. | Two rooms | Larger. | Servants' quarters. | Total cols. 14 to 17 | One room cols. 8+9+14. | Two rooms cols. 10+15. | Larger cols. 11+16. | Servants' quarters cols. 12+17. | Grand Total cols. 19 to 22. | In the year cols. 23—5. | To end of the year. |
| (14) | (15) | (16) | (17) | (18) | (19) | (20) | (21) | (22) | (23) | (24) | (25) |
| 18,064 | 8,844 | 10,338 | 2,220 | 39,466 | 49,616 | 8,292 | 10,687 | 2,383 | 71,690 | 33,194 | 33,194 |
| ... | 2 | 53 | ... | 55 | 859 | ... | 53 | ... | 914 | 912 | 912 |
| ... | 34 | 67 | ... | 101 | 153 | 34 | 67 | ... | 254 | 110 | 110 |
| 18,064 | 8,880 | 10,458 | 2,220 | 39,622 | 50,628 | 8,326 | 10,807 | 2,383 | 72,858 | 34,216 | 34,216 |

# WATER WORKS

Shri K. B. Carnac was in charge of the office of the Hydraulic Engineer, during the year under review :—

(2) The report is arranged as under :—

I.—City Water Supply System.
II.—Supply Statistics.
III.—Lakes and their Statistics.
IV.—Outside City Branch.
V.—Distribution Branch.
VI.—Waste Prevention Branch.
VII.—Meter Branch.
VIII.—Maintenance Branch.
IX.—Construction Branch.
X.—Survey and Design Branch.
XI.—Standards Branch.
XII.—Works of Interest.
XIII.—Augmentation of City's Water Supply.
XIV.—General.

## I—CITY'S WATER SUPPLY SYSTEM

**Sources of Supply.**

(3) Bombay is supplied with water by gravity from three lakes, *viz.*, Tansa, Vehar and Tulsi. The alignment of the trunk mains is as follows : (Reference Appendix I).

**Tansa Lake.**

(4) Water from the Tansa Lake is brought to the City by a masonry aqueduct and two 72" diameter steel mains. The masonry aqueduct runs upto Ghatkopar following the contour of the country and is tunnelled through the intervening hills at 13 places, the valleys being crossed by 48" cast-iron and 50" steel pipes in the form of inverted syphons. From Ghatkopar the duct supply is carried by two 48" C.I. mains known as the Old and New Tansa Mains. The Old Tansa Mains supplies water to a part of E Ward, Parel, Kalachowky Sewree and Lamington Road (North), whereas the New Tansa Main feeds the Bhandarwada Hill Reservoir. The two 72" steel mains from the outlet well at Tansa meet the Kasheli Syphon (Old Duct Line) at Pogaon whence they run parallel to the syphon crossing the Bassein creek on the new bridges over which the Bombay-Agra Road also runs. At Bhandup, they pass under the old masonry aqueduct and into the country between Vehar and Powai Lakes. At Powai they are reduced to two 57" mains and a 60" main. The two 57" mains cross the Bandra Creek on a bridge near Mahim Causeway whence they enter the City. The 57" East Main carries all its supply to the Malabar Hill Reservoir, whilst a bulk of the supply from the 57" West main is distributed directly to the G Ward, Tardeo, Gamdevi and a portion of Grant Road. The 60" Main from Powai to Ghatkopar carries a part of the supply from the 72" mains into the 48" Old and New Tansa Mains.

**Vehar Lake.**

(5) A 48" main from the lake follows the alignment of the 60" chord between Powai to Saki Road and passes through Kurla Town. At Chembur it is reduced to a 32" diameter main which enters the City at Vincent Road. A 24" diameter branch is taken off from the 48" main near Kurla. This supplies water to Kurla and the North of the City (F Ward).

**Tulsi Lake.**

(6) The 24" Tulsi Main runs along the 57" steel mains and supplies water to all the Western suburbs, *viz.*, Bandra, Khar, Santacruz, Vile-Parle, Andheri and Marol.

## II—SUPPLY STATISTICS

(7) The Appendices 2 and 3 give statistics of supply and quantity of water used for different purposes during the year. Appendix 4 shows the total quantity of water brought to the City and Suburbs during the last 53 years and the quota per head based on Census figures. The rainfall this year was normal but the monsoon was practically over by the beginning of September and as such the lake levels on 1st October 1952 were lower than normal, thus extending the dry season by almost a month. The Tansa Lake, the principal source of City's Water Supply, overflowed twice during the monsoon. Tulsi Lake also continuously overflowed for more than a month. Vehar Lake did not overflow but the lake level registered was higher than in the previous two years. The average supply of about 119.31 million gallons per day was given to the City during the year.

## III—LAKES AND THEIR STATISTICS

(8) Appendix 5 gives information regarding catchment and the lake areas, full supply levels, rainfall, overflow, contents of the lakes, evaporation and absorption and losses, etc. Appendix 6 shows a graphical record of raintall for the last sixty six years.

(9) The figures of evaporation losses recorded at the lakes for the various months during the year under review are tabulated in Appendix 7.

## IV—OUTSIDE CITY BRANCH

**Bursts and leaks on Trunk mains.**

(10) There were no Major bursts on trunk mains during the year.

The number of heavy leaks on the trunk mains was 18 and minor leaks 1,222.

**Repairs to Duct Line.**

(11) 19 leaks occurred on the Duct and Syphon Lines during the year. The repairs were carried out departmentally.

**Painting of Steel Mains.**

(12) 13 miles 1,598 running feet of steel mains varying in sizes from 48" to 72" were painted in different divisions, during the year as per details given below :—

| Division. | Size of Main. | Length. |
|---|---|---|
| Salsette E | ... 48" Vehar Main | ... 4,837 feet. |
| Salsette W | ... 57" Steel Main<br>72" Steel Main | } 10,512 R. ft. |
| Kasheli Division | 48" Vehar Main ... | 4,131 " |
| | ... 50" Old Tansa Main ... | 11,158 " |
| | 72" Two steel mains (E&W Tansa) | 10,560 " |
| Jamboli Division | ... 72" East and West Tansa Main | 18,480 " |
| Mandola Division | ... 72" East and West Do. ... | 10,560 " |
| | Total .... | 70,238 R. ft. |

Total 13 miles and 1,598 R. ft.

The revised estimate amounting to Rs. 10,52,200 for the cost of repainting the entire length of 119 miles of steel mains in the outside city division was sanctioned by the Corporation. A provision of Rs. 60,000 was made in the current year against which the abovementioned work was completed.

**Regrading of Mains.**

(13) Regrading was done in portion of 48" Old Tansa mains, 24" Tulsi main and 50" New Tansa mains to the extent of funds provided.

**Embankments and Culverts.**

(14) 118 Miles of embankments and cutting, carrying the pipe lines and trolley track were maintained during the year. The work included repairs to 14 culverts, 8,601 sq. ft., of stone pitching, 49,025 c. ft. of earth filling and making up of the top of the embankments.

**Trolley Track.**

(15) Out of the total length of 81.5 miles of trolley track, about 64 miles were maintained regularly. The remaining length which is in the Syphons was not in regular use and was being renewed in portions.

**Maintenance of Buildings.**

(16) The total number of structures in charge of this department in the outside city division during the year was 124.

**Gardens.**

(17) Eight gardens in the Outside City Division, *viz.*, at Tansa, Vehar, Tulsi, Bhandup, Powai, Vehar Bungalow, Ghatkopar Cross Connection and Ghatkopar yard, were maintained during the year.

**Visitors to the Lakes.**

(18) This year the number of visitors to the two lakes, *viz.*, Tansa and Vehar, was about 5,000 and 80,000 respectively.

A special provision was sanctioned during the year for providing additional amenities for the increased number of visitors at Vehar lake. About two acres of land covering the Vehar Hill top and the adjoining area were cleared of all shrubs and properly levelled and pitched wherever required. 15 rustic pattern umbrellas with seating accommodation were constructed at various sites in this area and adjoining the dam and waste weir. Circular concrete plinths were also provided at the bases of large sized trees to serve as resting places. Two summer houses of novel design were constructed at different levels on the Vehar hill top. Owing to the increased demand for residential accommodation during the week end, two old structures, one on hill top and one near the waste weir, were remodelled into dak bungalows, for the use of the public. Additional drinking water facilities by way of two pedestal type basins were also provided at convenient places.

**Campaign against trespassers and Cattle.**

(19) The campaign to prevent trespassing along the trolley track and in the catchment areas of the lakes was continued during the year and 987 heads of cattle were impounded and 700 driven out of the lake area. The three yearly programme of closing the municipal private land along the pipe line and the Duct, to pedestrians and vehicular traffic for 24 hours for safeguarding Municipal rights of ownership, was successfully carried out in all the divisions of outside city, during the month of December.

**Scouring Trunk Mains.**

(20) The scouring of the trunk mains was carried out in the year according to the usual programme.

**Diverting and regrading the Tulsi Trolley Track.**

(21) The work of diversion of the trolley track was completed during this year. The work of extending the track upto the Filter House was taken up after the survey of the new alignment was fixed.

**Providing Concrete Blocks under Steel Mains.**

(22) During the year, the work under two separate contracts for providing concrete blocks under the steel mains in the outside city division was nearing completion. Under these two contracts, a length of 9 miles of pipe line would be brought on blocks. This would bring the total length of steel mains on blocks to-date to 13 miles. A further contract for Rs. 3,80,000 was sanctioned in the later part of the year. Work under this contract was also commenced and would be completed before the ensuing monsoon.

**Diesel Locomotives.**

(23) Of the two locos, only one was in use, (Ruston) during the year and had covered a total mileage of 4,188.5 miles. The other loco (National) being beyond repairs were scraped.

**Motor Trollies.**

(24) Six heavy type and eight light type motor trollies were maintained during the year at a total cost of Rs. 25,000.

Out of these motor trollies, 2 heavy type, *i.e.*, No. 1 and number 8 and one light type, *i.e.*, No. 5 were out of order for the major part of the year. Motor trolley No. 5 was scraped and was being auctioned.

(25) Water was sterilized by Chloramine treatment consisting of ammonium sulphate solution and liquid chlorine in case of Tansa and Vehar supplies during the year. The Tansa supply was sterilized at the chlorination plants at Powai and at Ghatkopar Cross-Connection. The Tulsi supply was sterilized by chlorination and alum and potassium permanganate treatment at the head works. Since the commencement of the potassium permanganate treatment the chlorine dose has been substantially reduced and a saving in sterilization cost effected thereby.

**Sterilization of water supply**

(*b*) The total expenditure incurred on sterilization of Tansa, Vehar and Tulsi water including the cost of materials, chemicals, analysis charges, repairs, maintenance and establishment was Rs. 2,75,000. The cost per thousand and per million gallons works out to 1.22 pies and Rupees 6.32 respectively.

**Cost**

(*c*) The filters at Tulsi were working very satisfactorily and high standard of purity of Tulsi water supplied to the suburbs was being maintained. The entire filter house was renovated and filter bed Nos. 3 and 4 were opened out and repaired and filtering media regraded.

**Filtration**

(*d*) Samples of water from the lakes and the inlet mains were tested at the field laboratory at Powai for the usual analysis in regard to properties, namely, solid contents, alkalinity pH value, etc., thus providing valuable information about the quality of water supplied to the City. Tests for residual chlorine were also taken at Sion, Thana Road, Powai, Ghatkopar, Marol and Bandra and the doses of chlorine adjusted accordig to the demand.

**Field Laboratory**

(26) Out of the nine venturi meters for recording discharge of water through various trunks inlet mains in Outside City Division, six were maintained in working condition. Under the arrangement made at with the suppliers a representative of the firm overhauls each meter once a year to keep them in efficient condition.

**Venturi Meters**

(27) The generating set for Tansa referred to in the last year's report was ready for delivery with the firm and after the switch board would be ready, the same would be erected shortly.

**Lighting Set**

A new accumulator set of 60 cells of batteries recently purchased for Tansa was installed and put into commission.

The lighting set at Powai was put out of commission as the running of the same was very costly due to defective elements of the accumulators which were unrepairable.

(28) The following extraordinary works were carried out from different grants for Repairs and Maintenance.

**Extraordinary Works.**

| Serial No. | Work | Cost in Rupees |
|---|---|---|
| 1 | Regrading the old 48" and 50" mains ... ... ... ... ... | 4,500 |
| 2 | Repainting the two 72" and 57" Tansa mains from Tansa to Bandra and also the 60" main from Powai to Ghatkopar, the 48" Vehar main and 50" Lockbar steel mains in Syphon Nos. 7 and 8, etc., and repainting 57" mains near Bandra Bridge ... ... | 60,000 |
| 3 | Repairs to Tulsi filters ... ... ... ... ... ... | 1,500 |
| 4 | Regrading the 24" Tulsi mains ... ... ... ... ... | 3,000 |
| 5 | Patch-plating the leaks on the Steel mains Outside the City ... ... ... | 3,000 |
| 6 | Removing shrubs and grass from the down-stream side of the Tansa Dam ... ... | 1,000 |
| 8 | Replacing planks over bridges and culverts in the Outside City Division (with 2" R.C.C. slabs) ... ... ... ... ... ... ... | 4,000 |
| 9 | Repairs to embankment carrying 48" Vehar main at Kurla from Rasiwalla Bridge to Thana Road Cabin ... ... ... ... ... ... ... | 4,000 |
| 10 | Filling in with earth the Municipal land between Rassiwalla Bridge and G. I. P. Railway culvert, north of the 48" Vehar Pipe line ... ... ... ... | 2,630 |
| 11 | Re-modelling the existing sluice houses at various Syphon heads in the Outside City division ... ... ... ... ... ... ... | 7,545 |
| 14 | Repairing the drains and culverts in Syphon No. 6 in Kasheli division ... ... | 5,620 |
| 15 | Renewing the defective trolley track crossing in the Outside City division... ... | 1,900 |
| 18 | Repairs to strainers at Vehar ... ... ... ... ... | 3,550 |
| 19 | Repairs to the coagulating tanks at Tulsi filters ... ... ... ... | 10,000 |
| 24 | Repairs to the submerged parts of the Kasheli bridge ... ... ... | 1,12,992 |
| 26 | Providing chimneys in staff quarters in the Outside City division ... ... | 695 |
| 27 | Providing electric lights at Vehar ... ... ... ... ... | 4,550 |

(29) During the year 1952-53, there were five dispensaries working in the Outside City Divisions of this department with one Medical Officer and four Compounders. Attendance at these dispensaries was as follows: Figures for 1951-52 are shown for comparison.

**Medical Aid**

| Dispensary. | New Patients 1951-52. | New Patients 1952-53. |
|---|---|---|
| (1) Ghatkopar ... | 3,521 | 3,887 |
| (2) Travelling ... | 2,450 | 2,913 |
| (3) Kapurbawdi ... | 1,262 | 2,119 |
| (4) Powai ... | 2,040 | 1,606 |
| (5) Tansa ... | 2,474 | 2,418 |
| Total ... | 11,747 | 12,943 |

Thus there was an increase of about 10 per cent. in the attendance of patients. The Ghatkopar, and Kapurbawdi dispensaries and the travelling dispensaries were financed by Hydraulic Engineer's department, and the Powai and Tansa dispensaries by Vaitarna-*cum*-Tansa Scheme. During the year the Medical Officer paid 41 visits to the Northern Division.

(*b*) Malaria, Anaemia, Worms, Diarrhoea, Dysentry, Bronchitis, Skin diseases and accidental injuries were the common diseases for which the employees attended the dispensaries. A few unsuspected cases of leprosy were detected by the medical officer during his routine examination. These cases were referred to the Ackworth Leper Home for treatment. The temporary staff on daily paid wages was also medically examined, before being taken on works.

**Common Diseases.**

(*c*) Incidence of malaria showed some improvement. Percentage of malaria patients to total number of patients is given below :—

**Anti-malaria Measures**

| Dispensary. | | 1951-52. | 1952-53. |
|---|---|---|---|
| Ghatkopar | ... | 11.5% | 9.8% |
| Travelling | ... | 12.4% | 10.6% |
| Kapurbawdi | ... | 19.1% | 10.5% |
| Powai | ... | 22.2% | 17.76% |
| Tansa | ... | 15.5% | 14.7% |

Anti-malaria activities in the northern divisions were intensified. All the Municipal employees were given prophylactic doses of paludrine tablets during the months of September to January.

(*d*) As an epidemic of small-pox during the year was raging in the suburbs all the Municipal employees in the northern dvisions were vaccinated against it.

**Epidemics**

29(*e*) The Labour Welfare Cntre in Outside City continued during the year. The Centre which is housed in the closed verandah attached to the dispensary was equipped with several indoor games like Carrom, Draft etc., In addition, a small plot adjoining the pipe line in vicinity of this centre was levelled and used for outdoor games like Volley-ball, Hu-tu-tu etc. Annual day celebration was also held in Ghatkopar Yard, which was well attended by the labour staff. Besides the annual day function, two or three meetings were arranged during the year at which educational films were shown. The daily attendance at the centre averaged to about 40 to 50 persons. A scheme for opening similar centres in the Northern divisions which are situated at intervals of 10 miles apart, was under consideration.

**Welfare Centre.**

## V—DISTRIBUTION BRANCH

(30) For the purposes of distribution of water, the City was divided into three main divisions (*Vide* Appendix 9).

**Distribution**

The Malabar Hill Reservoir which served the areas coloured blue has a storage capacity of 32.5 million gallons. The high level areas of Ridge Road, Carmichael Road and Altamount Road (coloured orange) were served from the 60,000 gallons capacity elevated tank at Malabar Hill Reservoir, to which water was pumped by 5 electrically driven pumps (three of 40 horse power each and two of 26 horse power each) situated in the basement of the Control Room. During the year a 100 horse power pump was installed at Malabar Hill Reservoir in order to cope with the increased demand.

Bhandarwada Hill Reservoir which served the areas coloured yellow has a storage capacity of 20.01 million gallons. The high level localities of Dongri, Mandvi and Mazagaon were served by the Elevated Tank having a capacity of 1.25 million gallons. This tank was filled by two electrical driven pumps of 75 horse power each situated in the basement of the Control Room. As these are found inadequate to cope with the demand of these areas, works of the installation of a 275 horse power pump and other subsidiary works were started during the year. The supply to these two areas continued to be staggered.

The areas coloured green, pink and brown were served directly from the trunk mains in the absence of service reservoirs. A scheme for providing two such reservoirs at Rowli and Worli hills for serving the north of the Island was under consideration. The work has however, been defered till the Vaitarna-*cum*-Tansa Scheme is completed and the results of the additional supply are observed. To bring as much water as possible to the Malabar Hill Reservoir, the 72" East Tansa main was kept entirely isolated during the non-supply hours right from Tansa Lake to the Malabar Hill Reservoir. It brought 25.6 to 35.4 million gallons per day according to the level of the lake. The 72"> 57" West main aided by the 72" East main was drawn upon during supply hours to the extent of about 21.6 million gallons per day, out of which about 19.2 million gallons were supplied directly at various places in the City particularly to the West portion of the North of the Island (coloured green) while the remaining quantity of about 3 million gallons was taken to the Malabar Hill Reservoir from the main. The 48"> 36" New Tansa mains supplied about 17.6 million gallons per day to the Bhandarwada Hill Reservoir and about 3.12 million gallons per day (additional) to Parel village area through 18" main in King Edward Road and East of F Ward. The 48" Old Tansa Main and the 32" and 24" Vehar mains supplied about 19.5 million gallons and 14.5 millions gallons of water per day respectively to the east portion of the North of the City (coloured pink and brown respectively).

(31) The different localities were supplied with water as shown in the Appendix No. 8. Though the rainfall was satisfactory at the beginning of the monsoon, it stopped early with the result that the quantity in the Lakes had to be made to last through a longer dry season than usual.

**Hours of Supply.**

The general hours of supply had, therefore, to be reduced to about 6 hours per day (from 5 to 7-30 A.M.; 5 to 5-30 P.M. and 8 P.M. to 11 P.M.). The demand in the City and Suburbs has increaesd considerably and as the quantity available for distribution remains the same, there has been a gradual fall in pressures throughout the City, ranging from 4 lbs. to 6 lbs. The early advent of the hot season, which started in the begining of February resulted in very great increase in complaints.

Extra-ordinary operations to regulate the supply had to be resorted to in order to afford a better relief to the localities that suffered most.

(32) The number of short supply complaints received and attended to during the year was 16,461. The number of short supply complaints received and attended to month by month for the past 16 years is shown in Appendix 10.

**Short Supply Complaints.**

It will be seen that there was a considerable increase all the year round except for the months of August, September and October. These months in the previous year had registered more complaints due to the curtailment of supply. As meters were provided to all new and some of the existing residential buildings, frequent chokage of meter strainers was one of the causes of the increase in complaints. The sharp rise in February was for reasons already stated above. This increase in the number of complaints resulted in increased work to the already over-worked staff of this branch who could not devote enough time to study individual complaint carefully.

**Control System.**

(33) The distribution of water to all parts of the City as well as for extinguishing fires was regulated from the Babula Tank Control Station under the direct instruction of the Assistant Engineer, Distribution branch. This station, which controls the supply operation all over the City is manned for 24 hours of the day and all variations in pressures, supply and height of water in the reservoirs are recorded here every half an hour. It is connected by telephone to the Central Fire Brigade Station, Head Office at the Improvement Trust Building and to all sub-control stations namely, the A, D,E, F (South and G (South) Ward Offices and four emergency control stations at Futka Tank, Lady Hardinge Road, Gokhale Road and Clerk Road which regulate the supply to the North of the City.

All complaints, etc., given on telephone by the general public in connection with water supply and for wastage of water were received and transmitted to the different wards for action by the Babula Tank Control Station. There were 6,238 complaints on telephone this year as against 1,758 of last year. This phenomenal rise was due to a greater consciousness on the part of the public, both as regards their demands for adequate supply as well as reports of water wastage. Besides these, 986 fire calls were received.

**Fire Attendance.**

(34) The total number of calls received from the Fire Brigade Department was 986 as against 1,071 of the previous year. They were promptly attended to by the Distribution Staff. Out of 986 calls 339 were false and 51 were on account of collapse of houses. The total quantity of water used on fires by the Fire Brigade was about 3.25 million gallons.

**Fountains Troughs and Wells.**

(35) 75 drinking fountains, 24 cattle troughs, 37 drinking fountains and cattle troughs combined, 73 stand post pipes, 4 dipping wells and 14 Municipal wells (10 hermatically sealed and 4 used by public) were maintained during the year.

**Orders for disconnecting the water supply.**

(36) The number of cases reported to the Standing Committee for severing water connections for non-payment of taxes and using unmetered water supply was 333 as against 186 in the previous year. In 144 cases, the supply was closed but subsequently restored. In 8 cases the water connections were cut off. The increase in disconnection Orders was due to the enforcement of the policy to meter small trade concerns.

**Notices and Prosecutions.**

(37) On receipt of short supply complaints, when it was observed that they were due to insufficient number and size of connections, lack of proper storage or pumping arrangement, etc., suggestions were made to the owners in 1,580 cases. The Municipal Commissioner's Notices under Section 274(1) of the Municipal Act were issued in 469 cases. 42 Municipal Commissioner's Notices under Section 271(2) were issued on owners of premises which were without Municipal water supply.

The prosecutions launched under the above two sections during the year were 441. 219 cases resulted in convictions and 69 cases were withdrawn after compliance with the notices or part thereof and 145 were pending at the end of the year. The total amount of fines recovered was Rs. 3,424. Though materials were freely available in the open market, enforcement of the requisitions for provision or improvement of supply under Section 271(2) and 274(1) became difficult as the landlords generally pleaded their inability to undergo heavy expenses.

Installation of fractional H.P. booster pumps directly on the connections continued to be allowed in order to give quick relief at low cost. These are becoming very popular and the number of owners resorting to these installations is on the increase.

Besides the notices under Section 271(2) and 274(1), 4,559 notices were served on the owners for defects in water fittings of private premises and 426 notices for infringement of provisions of the Municipal Act and for violation of the Bye-laws relating to Water Works during the year under report. Arising out of these notices, 462 prosecutions were launched before the Presidency Magistrates and the number of convictions was 313, and the amount of fines recovered was Rs. 4,303 which worked out to Rs. 14 per conviction. Court work continued to be conducted by the Ward Inspectors. The proposal to entrust this work to one or two prosecutors is under consideration.

**Amalgamation of Meter and Ordinary Branches as per Ibcon's Report.**

(38) As advised in Ibcon's Report, the Meter Branch was being gradually amalgamated with the Distribution Branch. In 5 Wards, amalgamation had taken place completely.

**Administration of the Distribution Branch.**

(39) The Administration work of the Ordinary and Meter branches continued to be under three Assistant Engineers, Asssistant Engineer (Distribution) for A, B and D Wards, Assistant Engineer (Waste Prevention) for C and E Wards Assistant Engineer (Meters) for F (North and South) and G (North and South) Wards. The last two in addition looked after the waste prevention work for the Northern and Southern divisions respectively while the Assistant Engineer Distribution continued to be in charge of the distribution andregulation of supply for the whole City.

## VI—WASTE PREVENTION BRANCH

**Testing of Mains by Deacon Meters and Sounding.**

(40) 307 miles of mains varying from 4" to 9" were tested by Deacon Meters in the City and 194 miles of mains from 12" to 72" were sounded. The total cost of materials for these works was Rs. 5,200/-

In addition to the above, public urinals and latrines numbering 253 were inspected once a week by the waste prevention staff. 805 Defect Notices were issued to the departments concerned for keeping these services in good order.

**Re-washing Staff.**

(41) The work done by the temporary staff of 2 Overseers and 14 Mukadums is shown in Appendix II The continuance of this work of house to house inspection of leaky taps and fittings. throughout the City, is becoming necessary, judging from the great amount of wastage arrested by re-washering and renewing bib-taps, notices issued and court actions taken.

**Anti-waste Campaign.**

(42) The anti-waste campaign was continued this year. 2,000 Litho posters in Marathi were got printed for distribution to public institutions and display in schools etc. A number of posters was got prepared by screenography process through a local artist for display in the City's trams and buses, for which the necessary co-operation was received by way of allowing this department a free display of such posters in the B. E. S. & T. Undertaking's vehicles.

1,00,000 stamps were also got printed by litho process for affixing on to the correspondence to various parties. The stationery including envelopes, pads, used for official correspondence were also got printed with the 'How water is wasted' slogan, giving the approximate cost of water and the number of gallons wasted per year through different fixtures.

The local station of the All India Radio arranged to broadcast a documentary prepared through the co-operation of this department explaining the water distribution system of the City and calling for enlistment of public co-operation in matters of water care. Documentaries were also prepared in Marathi and Gujarati and broadcast under the caption "Mumbai No Pani Purvatho".

**Technical Films.**

(43) With the co-operation of the Regional Information Officer, British Information Services, several documentary films pertaining to technical and civic aspects were shown at their auditorium at Mercantile Bank Building, to the technical and administrative staff of this department and were of great educative value.

## VII—METER BRANCH

**Revenue from metered connections.**

(44) The total revenue derived from water supplied by meter measurement was Rs. 1,06,67,420 for the City only. The revenue during the previous year was Rs. 94,11,278. The increase over the last year's revenue was Rs. 12,56,142. Though the industries and other trade concerns were drawing less water due to the general depression in business and also as a measure of economy, the increase in revenue was due to vigorous search made by the staff of this department to meter all the trade concerns in the City.

The metering programme was continued during the year. The total number of restaurants metered during the year was 2,324 against the last year's total of 1,309, the excess over the last year being 1,115.

**Meters.**

(45) 7,241 Meters of sizes varying from 1/2" to 8" were maintained from the grant under meters during the year at a total cost of Rs. 59,695 which includes the cost of maintaining venturi meters also. The number of meters exchanged was 1,684 and the cost of the meters repaired during the year amounted to Rs. 42,343. 81 meters were fixed on new connections and 126 meters were removed from the existing connections as either the properties fed through these connections were charged on valuation basis, as it was more profitable to do so or because meters had to be removed from smaller concerns for being installed at larger concerns.

**Progressive metering of all buildings in the City.**

(46) This programme was pursued in order to minimise wastage and to prevent excessive use of water 217 new properties were metered during this year. This has, however, created a severe tension in the owner-tenant relationship, as the tenants are refusing to pay the charges on the plea that the house rent included the water tax so far and that the charges were not equitably proportioned between the tenants some using only a small quantity due to less number of inmates and other proportionately large having a large number of inmates. To overcome these difficulties the department had given facilities to the owners to fix submeters wherever possible to recover the actual charge from the tenants.

## VIII—MAINTENANCE BRANCH

**Maintenance of Pumping Sets.**

(47) 17 Pumping sets (9 at Malabar Hill Reservoir, 3 at Bhandarwada Hill Reservoir, 2 at King Edward Road, 2 at Futka Tank Chlorination House and 1 at Flora Fountain) were maintained at a total cost of Rs. 45,830.

The installations of 100 H.P. unit for Malabar Hill Reservoir, and 80 H.P. unit for King Edward Road were completed during the year. The work of installing one 275 H.P. unit for Bhandarwada Hill Reservoir was in progress.

Of the 13 portable petrol engine-driven pumping units, 10 were working continuously on various repair and construction jobs in the City. The remaining 3 pumps had far outlived their useful span of life and they would be replaced in due course. In the meantime however, they were re-conditioned till provision for new units would be made and the same purchased and brought into commission.

3 Small Electrical pumping units of 3/4, 1 and 6 H.P. were reserved for giving on loan to owners of private properties whose pumps were out of order or who wished to have their water supply pumped in view of prevailing low pressures. This newly started scheme was very much appreciated by the needy public and these units were busy throughout the year.

**Maintenance of water mains and hydrants.**

(48) 409·57 miles of water mains were maintained during the year. There were 32 bursts on various mains as per details given in Appendix 12. They were promptly repaired. In addition to these, 25,627 works pertaining to repairs to cummunication pipes, fire hydrants road surface boxes, cleaning of chokes in service pipes, etc., were attended to. The cost of materials was met from the grant under "Materials for the General Works and Repairs including leaking taps in Bombay" and that of labour from the Establishment Grant.

Fire hydrants in the distribution system of 'A' to 'G' Wards, were maintained and painted during the year out of their respective specific provisions.

**Maintenance of gardens**

(49) The garden along the slopes of Gibbs and Ridge Roads (known as Hanging Gardens), Sir Pherozshah Mehta Gardens on the top of the Malabar Hill Reservoir, Joseph Baptista Gardens on the top of the Bhandarwarda Hill Reservoir and Ladies and Children's Garden at Ridge Road, were maintained during the year at a cost of Rs. 28,693 75 benches were painted with weather proof paint during the year out of the provision of Rs. 700.

**Kamala Nehru Park**

(50) On the plot of land formerly comprising of the Bishop's Lodge at Malabar Hill, a new park with widning pathways, lawns and flower beds etc. was laid out, and named as Kamala Nehru Park after the name of the dear departed wife of our Prime Minister Pandit Jawaharlal Nehru. The opening ceremony of the park was performed on Tuesday the 23rd December 1952 by the Governor of Bombay Shri Girja Shankar Bajpai. The Prime Minister Shri Jawaharlal Nehru visited the park on 13th January 1953.

The park has novel features particularly for children *viz.*, an aviary of unusual design, a dome shaped Summer House which could be used as a Band Stand, an acquarium embedded in rockery whence an artificial stream bubbles down in a waterfall, a playing fountain and a large structure representing an "Old Woman's Shoe" erected to give shape to the nursary rhyme beginning with the words "There was an old Woman who lived in a Shoe". The Park was laid out departmentally within a period of six months at a cost of R. 34,500.

**Visitors**

(51) The number of visitors coming to the Gardens increased enormously. As there is no place where the visitors cen sit, sheltered from the sum and rain, it was proposed to erect shelters in the gardens. The work of construction was in progress and towards the end of the year two such structures were completed.

**Welfare Centre.**

(51A) The Labour Welfare Centre for Inside City which was started at Delisle Road continued during the year within the premises of the labour chawl where a room was made available. The centre was equipped with amenities for sports, physical activities, Musical instruments and various types of programmes of social, cultural and literary activities were conducted daily in the evenings between 6 to 9 P.M. Annual function was also arranged which was well attended.

**Number of water connections**

(52) The total number of water connections to different premises in the City was 58,595 *i.e.*, a net increase of 1,193 over the last year's figure. The number of new water connections made by the Maintenance Branch during the year was 1,369 against 1,105 during the preceding year. 176 connections were cut off on account of demolition of old buildings and for other reasons.

**Repairs to buildings**

(53) Structures comprising of workshops, control rooms, Venturi, Pump, Chlorination and Sluice house etc., in the Inside City Division in charge of this branch of Water Department were maintained cost being met from the respective maintenance grants.

**Trenches**

(54) 11,499 Trenches of varying lengths were excavated for making connections or for general repairs and maintenance works all over the City.

**Transport**

(55) 12 Petrol-driven motor vehicles, (5 lorries, 1 jeep, 1 fire-van "White", 1 despatch van and 2 Fire Service Vans and 2 Milk Vans), 1 diesel motor lorry and 26 hand-carts were maintained for transport of materials, etc., at a cost of Rs. 18,932. The total mileage covered by the petrol vehicles was 48,908. The diesel motor lorry covered 10,863 miles. Further to this fleet, 2 Fordson Tractors and one Diesel 4 Ton mobile Crane attended both to transport as well as burst and break down jobs. The 4 ton crane and the two fire vans were new additions at a cost of Rs. 70,000 and Rs. 24,193 respectively.

2 Milk Vans were acquired from Mechanical Engineer which were proposed to be used as mobile units for attending to faults and complaints in the City's water supply system.

For Fire Service, 2 new Fire Vans were stationed, one at Babula Tank Office and the other at 'F' Ward Office during day and night. At G Ward Office a motor lorry was stationed at night only.

**Testing of water fittings.**

(56) The work of testing of galvanised iron pipes (1/2" to 4"), cast iron pipes (3" to 48"), galvanised iron fittings such as couplings, bends, tees, elbows, etc., brass and gun-metal fittings such as ferrules stop and bib-taps, waste-not-taps, ball taps, pillar taps, globe taps, flush-valves underground and stand-post hydrants, cast iron and procelain water closet cisterns, canvas hose pipes, etc., was carried out during the year at the Water Works Workshop, Chinchpokli. The total number of such pipes and fittings tested was 2,75,207 out of which 1,91,968 were for private parties and the remaining for Municipal Works. The revenue derived from the testing of pipes, fittings, etc., sent by private parties amounted to Rs. 26,943-13-0.

**Testing of meters**

(57) During the year 6,313 municipal meters of different sizes and 416 private meters were tested at the municipal workshop for ascertaining their correctness. In addition to these, 962 new meters were submitted by private parties for similar test, of which 836 were passed and sealed and the remaining were rejected. The revenue derived from testing of water meter submitted by private parties amounted to Rs. 5,322/-.

A large number of old 'Frost' water meters was brought into commission after necessary repairs and manufacutre of their non-available parts locally and re-conditioning some of the parts in our own Workshop.

The total number of Municipal meters to date is 7,241 as per Appendix 13.

**Repairs to meters**

(59) During the year, 7,398 repair jobs pertaining to meters as per details given below were carried out at a cost of Rs. 51,650, the cost of materials being met from the grant under "V Spare parts for meters" and that of labour from the "Establishment" grant.

| | | Nos. |
|---|---|---|
| (1) Replacement or removal of worn out or damaged parts and overhauling of meters. | | 1,935 |
| (2) Cleaning of dials | ... | 1,187 |
| (3) Renewal of dial glasses | ... | 10 |
| (4) Cleaning of meter strainers | ... | 3,180 |
| (5) Repairs to leaks | ... | 472 |
| (6) Repairs to meter chambers | ... | 463 |
| (7) Cleaning dirt-boxes in F Ward | ... | 151 |
| Total | ... | 7,398 |

**Cleaning of consumer's pipes and fittings in Dadar-Matunga Estate.**

(60) In response to complaints received from the residents of Dadar Matunga area due to frequent chokes in consumer's pipes and fittings as a result of presence of algae in Vehar water which was supplied to this area, the Corporation had sanctioned funds for the work of cleaning consumer's pipes and fittings beyond the stop tap in this district. 841 connections aggregating to 2,09,066 running feet of consumer's pipe of different sizes were cleaned at a cost of Rs. 8,700 (*vide* Appendix 15). Three new dirt boxes of sizes 6", 9" and 12" were provided on mains in F Ward area for collection of shells and suspended matter, and 151 numbers of dirt boxes of sizes from 6" to 12" were cleaned during the year.

**Cleaning of Service Reservoirs.**

(60A) During the year, all compartments of Malabar Hill Reservoir were cleaned at a cost of Rs. 3,500.

## IX.—CONSTRUCTION BRANCH

### ( Loan and other Works )

**Laying new mains and other work.**

(61) For improving the water supply in the City, water mains of different sizes were laid and other works were carried out from Capital Works, Loan Fund, as specified below :—

| | | | |
|---|---|---|---|
| Laying 36" diameter Cast Iron Mains | ... | 716 | rft. |
| Laying 27" do. | ... | 136 | ,, |
| Laying 21" do. | ... | 61 | ,, |
| Laying 18" do. | ... | 54 | ,, |
| Laying 12" do. | ... | 1,154 | ,, |
| Laying 9" do. | ... | 4,362 | ,, |
| Laying 6" do. | ... | 3,880 | ,, |
| Laying 4" do. | ... | 424 | ,, |
| Laying 3" do. | ... | 934 | ,, |
| Erecting stand post hydrants | ... | 23 | Nos. |
| Erecting pressure gauge boxes | ... | 6 | ,, |
| Transferring of house connections | ... | 166 | ,, |
| Guniting two 57" steel mains, 1,335 ft. double length | ... | 2,670 | rft. |

**Works for sister Departments.**

(62) The following works were carried out during the year for sister departments of the Municipality.

(*a*) Laying 660 R.Ft. of 6" C. I. main for improving the water supply at K. E. M. Hospital for the Dean K. E. M. Hospital; (*b*) Laying 45 rft. of 3" C. I. main for the Mahatma Gandhi Memorial Swimming Pool for Dy. City Engineer; (*c*) Diverting 82 rft. of 12" C. I. main in Plot No. 117 of S. M. Estate for Estate Agent and Land Manager; (*d*) Laying 127 rft. of 3" C. I. main with a hydrant for fire brigade station, for Dy. City Engineer; (*e*) Making 2 Nos. 1½" connections with six numbers of 'Morris' couplings and laying 1,300 rft. 1" G. I. pipe at Mahim Causeway Bandra, for Superintendent of Gardens.

**Works carried out for private parties.**

(63) 3",4",6", 8" and 12" sizes of cast iron mains in lengths of 676, 100, 230 50 and 55 rft. respectively were laid for granting water supply to private parties mostly for industriel purposes.

## X.—SURVEY AND DESIGN BRANCH

**Preparation of Plans and Estimates.**

(64) Several proposals for the improvement of water supply of the City were designed during the year and 80 estimates for provision and enlargement of water mains and other work amounting to over Rs. 1,29,01,464 were prepared out of which plans and estimates amounting to about Rs. 71 lakhs were sanctioned by the Corporation. The number of tracings and blue-prints prepared during the year was 117 and 3,300 respectively.

**Compounded water charge for water used for building purposes.**

(65) 934 Cases of compounded water charge for water used for construction purposes were framed against 1,050 in the preceeding year, resulting in a total revenue of about Rs. 1,52,000 as against 1,98,800 in the preceeding year. 435 Plans and 499 other cases were scrutinised.

Library 52 books were added during the year, bringing the total number to 535.

The Rockwell Water Journal, Pipe dreams. The Compressed Air, Journal of the Institution of Architects, Sulzer, Stabilizar, Automatic Telephone and Electric Journal, Asea, Martin Burn House Magazine and Plumbing and Sanitation were amongst the free publications received with the compliments of the publishers for being circulated to the technical staff.

**Records.**

(66) Statements and reports for (1) Lake Levels, (2) Storage of water in Lakes, (3) Discharge through trunk mains, (4) Rainfall in different districts, (5) Leaks in Tansa Dam, (6) Bacteriological and chemical analysis of water, (7) Temperature of water, (8) Short supply complaints, (9) Chlorine and ammonia dosage, (10) Exhaust water from hydrostat, (11) Pressure charts, (12) Venturi meter discharges and (13) Lakes and outlet well level diagrams were maintained during the year under report and the Statements for Nos. (1), (2), (3) and (4) were submitted to the Standing Commitee every month and during the mosoon every week.

## XI.—STANDARDS BRANCH

(67) The implementation of Ibcon's Report on the various branches of the water works department was continued and upto the end of the year under report, the progress made in the different branches is shown in the Management Control Indices given below. Total reduction effected so far was 465 men, which included vacant posts surrendered and removed from the budget at the instance of the Standards branch, which amounted to a saving of Rs. 4,25,040 per annum approximately.

### MANAGEMENT CONTROL INDICES

| | Period | Actual staff | Leave reserve | Standard staff | Index (Percentage reduction) |
|---|---|---|---|---|---|
| I.—Distribution Branch ... | Reference ... | 480 | ... | 266 | 55 |
| | February 1949 to December 1951 | 427 | ... | 344 | 80.5 |
| (Report No. 1) ... | January 1952 to December 1952 | 425 | ... | 344 | 81 |
| | January 1953 ... | 384 | 41 | 344 | 81 |
| | February 1953 ... | 384 | 41 | 344 | 81 |
| | March 1953 ... | 384 | 41 | 344 | 82 |

| | Period | Actual staff | Leave reserve | Standard staff | Index (Percentage reduction) |
|---|---|---|---|---|---|
| II.—Administrative Office ... (Report No. 2). | Reference ... | 82 | ... | 51 | 62 |
| | April 1949 to December 1951. | 57 | ... | 44 | 77.2 |
| | January 1952 to December 1952. | 56 | ... | 44 | 78.5 |
| | January 1953 ... | 51 | 5 | 44 | 78.5 |
| | February 1953 ... | 51 | 5 | 44 | 78.5 |
| | March 1953 ... | 51 | 5 | 44 | 78.5 |

| | Period. | Actual staff. | Leave reserve. | Standard staff | Index (Percentage reduction) |
|---|---|---|---|---|---|
| III.—Maintenance Branch ... (Report No. 3). | Reference ... | 383 | ... | 221 | 58 |
| | May 1949 to December 1951. | 289 | ... | 222 | 76.8 |
| | January 1952 to December 1952. | 287 | ... | 222 | 76.8 |
| | January 1953 ... | 269 | 18 | 222 | 76.8 |
| | February 1953 ... | 269 | 18 | 222 | 76.8 |
| | March 1953 ... | 269 | 18 | 222 | 76.8 |

| | Period | Actuul staff | Leave reserve | Standard staff | Index (Percentage reduction) |
|---|---|---|---|---|---|
| IV.—Outside City Division ... (Report No. 4) | Reference ... | 808 | ... | 500 | 61.9 |
| | November 1948 to December 1951. | 641 | ... | 500 | 78 |
| | January 1952 to December 1952. | 597 | ... | 500 | 83.7 |
| | January 1953 ... | 587 | 1 | 500 | 85 |
| | February 1953 ... | 580 | 1 | 500 | 86 |
| | March 1953 ... | 580 | 1 | 500 | 86 |

## XII.—WORKS OF INTEREST

**Repairs to Kasheli Bridge (South).**

(68) The work of repairing New Kasheli bridge (South) was taken in hand during the year. According to the underwater survey Report, the condition of the 14 central piers of the bridge which remain submerged in creek water throughout the year was found to be unsatisfactory. The steel casing around all these piers was observed to have corroded during the last 25 years or so and most of it had peeled off exposing the inner concerte. The action of the sea-water appeared to have damaged the concrete around the piers as well, as evidenced by the surfaces being eroded to varying depths. Seven of these piers particularly were affected to a greater degree than the others in that, large cavities had developed in the concrete. The work of repairing these piers was accordingly taken up. The repairs consisted of providing one foot thick protective coat of concrete around the surface of each pier. To ensure new coat adhering securely to the old work holes were drilled at staggered intervals and one inch steel rods grouted into the existing piers to serve as bonding keys for the new concrete. For further security, a circular concrete cage of steel mesh reinforcement was provided near the outer periphery of the protective coat for the full depth of the pier. The work was expected to be completed before the monsoon.

**Repairs to Tansa Duct**

(69) After completion of the extensive repairs to the Duct line at badly affected places in the previous year, it was decided to do some additional work in mile 5 to 7 where minor leaks were found to have developed greatly since preparation of the original estimate. Work on this section was accordingly commenced by the contractors in the last week of December and completed in 5 days, during which interval, the duct was isolated between Tansa and Pogaon.

**Burying of 57" Tansa and 24" Tulsi Mains at Santa-Cruz Aerodrome**

(70) The work of diverting and burying the two 57" Tansa mains and the 24" Tulsi Main for a length of 4,320 rft. between miles 43/4 and 44/3 which had become necessary on account of the Government programme of expansion of the Santacruz Aerodrome to bring it upto International Standard was in progress.

One new 24" hume steel main and one new 57" hume steel main were laid in their new alignment approximately 100 ft. to the West of the old alignment and parallel to it, and joined to the existing pipes at the two ends. Then the old 57" pipe line was removed and after guniting and laid in the new alignment as the second 57" main.

The existing 24" C. I. Tulsi main was connected to the newly laid 24" steel main by collar joints at either end. One make-up length of steel pipe was also connected at either ends on the same day. The work was started at 6 A.M. and the jointing was completed by 2 P.M.

The existing 57" steel main was connected to the newly laid 57" steel main by welding steel collars at either end. One make-up length of steel pipe was also connected at either end on the same day. The work was started at 6 A.M. and the jointing completed by 3-30 P.M. Four anchorage blocks at the four bends in the new alignment were cast. The work of the construction of the scour valve chamber was also started before the end of the year. 30 per cent. of the total refilling was done by the end of the year.

The work also included the laying of 4,320 rft. of 96" diameter steel main in connection with the Vaitarna-*cum*-Tansa Scheme. Of this length 3,800 rft. were laid by the end of the year.

**Trolly Track**

(71) The work of the diversion of the trolly track around the western boundary of the aerodrome was started by the Government under municipal supervision. The diversion length was about 11,500 feet. The trolley track was laid over the embankment which was prepared for the same. The full length of the trolly track was laid during the year under review.

**Extension of Workshop in the Maintenance Yard**

(72) From the provision of Rs. 30,610 provided in the loan works budget, the work of extension of the maintenance workshop at Delisle Road was started and by the end of the year the construction of the carpentary and painting etc., sections was completed.

Another interesting work of constructing a high level tank for meter testing and repairs shop was also taken in hand from the funds available in the loan works budget and was in progress.

Order were placed for additional machineries, instruments and tools etc., such as enclosed trailer for portable chlorinator, valve seat cutter, pulley block (3 Ton), tricycles, push vans, pipe bending machine pneumatic tyred hand carts, pressure recorders and guages etc. Majority of the orders were oustanding.

**Repairs to leaky water fittings in private premises**

(73) During the year 1950-51, this department undertook to repair private water fittings and the work was continued during the year 1952-53. About 1,338 cases were attended to. About Rs. 12,768 were recovered from the owners being the cost of the works carried out leaving the recoveries of Rs. 4,498 as outstanding.

**Guniting the Steel Mains inside the City**

(74) Under the programme for guniting the 57" steel mains inside the city, a length of 2,670 ft. of the mains was gunited during the year under review, thus making the total length of the portion gunited 3,670 ft. This completes the full portion between Elphinstone Road and Delisle Road plus some additional length further up between Delisle Road and Furgusson Road. Recently tenders were received for guniting the length of 2830 rft. between Delisle Road and Furgossun Road and they were under consideration.

## XIII.—AUGMENTATION OF CITY'S WATER SUPPLY

**Kalbadevi and Fort Outlets**

(75) The work of laying the two 48" outlets from the Malabar Hill Reservoir to the Kalbadevi and Fort areas was continued during the year under report. Two 48" mains were laid along the slopes of Malabar Hill upto the Chowpatti sands. From this point onwards and upto the Grant Medical College Gymkhana grounds, the pipe lines covering a total length of 10,000 feet are being laid by contract. The contractor commenced his work in January and at the end of the current year had laid 2,740 feet of 48" mains.

Simultaneously the work of laying the 30" main in Bhuleshwar Road, and Kalbadevi Road was commenced At the end of the year the major portion of the 30" main in the Kalbadevi Zone was laid except for a length of 750 ft. in Kalbadevi Road from Dr. Viegas Street to Jamboolwadi and 900 feet along Thakurdwar Road. Of the 36" main only 50 ft. was to be laid at the junction of Dr. Viegas Street with Kalbadevi Road.

The table below gives the total lengths of 48", 36" and 30" mains laid in the various localities during the year under report.

| Size of main. | Total estimated length to be laid. | Length laid during the previous year. | Length laid in 1952-53. | Locality in which laid. | Whether departmentally or by contract. |
|---|---|---|---|---|---|
| 48" | 25,000 ft. | 2,327 ft. | 3,640 ft. | M. H. R. to Chowpatti junction Harvey Road Queen's Road, Old European Cemetery to Gazdar Street. | Departmentally |
| | | | 2,740 ft. | In Chowpatti sands ... | By contract. |
| | | | 6,380 ft. | | |
| 36" | 1,500 ft. | 1,065 ft. | 387 ft. | Girgaum Road ... | Departmentally |
| 30" | 5 000 ft. | ... | 3,255 ft. | Bhuleshwar Road and Kalbadevi Road | Do. |

The contract for the supply of steel pipes for the above works continued during the year and quota certificates for the full quantity of steel required, *viz.*, 1,700 tons were received from the Iron and Steel Controler Calcutta.

During the year 48", 36" and 30" pipes in lengths of 6,978; 1,270 and 22,45 respectively were supplied by the contractor.

The work of extending the Control room at the Malbar Hill Reservoir was nearing completion.

## XIV.—GENERAL

(76) (*a*) During the year a strike notice on behalf fo the labour staff of this Department was served upon the Corporation by the Municipal Workers' Union. But the strike was averted owing to the amicable settlement between the Municipal Commissioner and the General Secretary of the Union.

**Strike Notices**

(*b*) With a view to stop undue wastage of water and complaints of shortage of water on the upper floors, it was decided to meter hotels and restaurants under Section 92 of the Bombay Municipal Corporation Act. The scheme was found to be working quite satisfactory. So far about 2,600 hotels and restaurants were metered and the total revenue derived on account of sale of water to these concerns was Rs. 3,00,000 including meter hire charges.

**Metering of Hotels and Restaurants**

(*c*) Minor works such as repairs to private leaky taps and fittings were carried out by this Department on behalf of the owners and the cost of the same was subsequently recovered from the owners of the premises.

**Minor works carried out on behalf of owners**

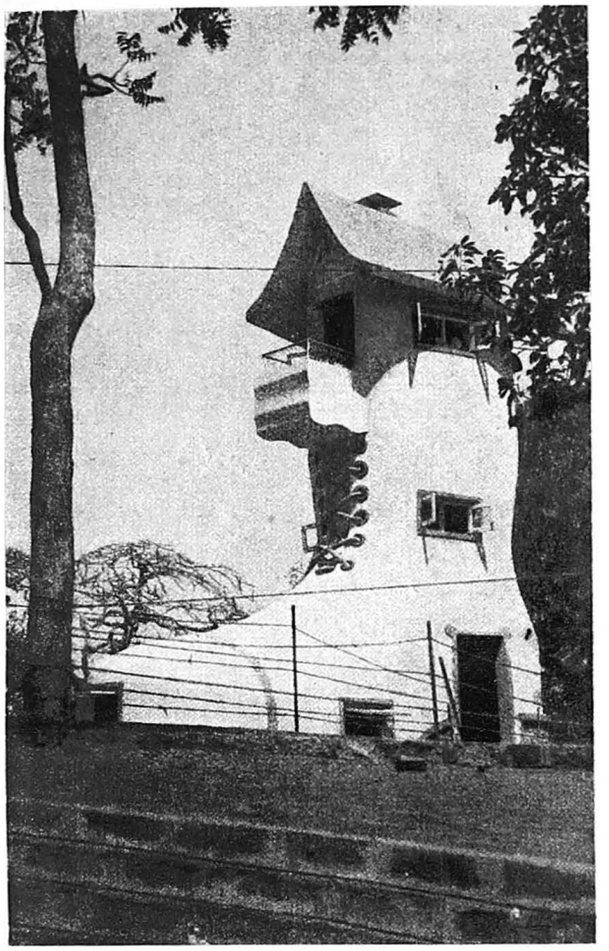
(77) (*a*) *Revenue.*—The total expenditure incurred on water works amounted to Rs. 1,33,64,981 which include Rs. 92,42,142 for interest, sinking fund charges, etc., for loans raised for Water Works, Rs. 6,04,351 for proportionate charges for General Superintendence and Revenue Collection and Rs. 2,30,683 for Provident Fund and Pension Charges. The total revenue derived from Water Works was Rs. 1,80,13,552 the excess of income over expenditure being Rs. 46,48,571.

**Costing**

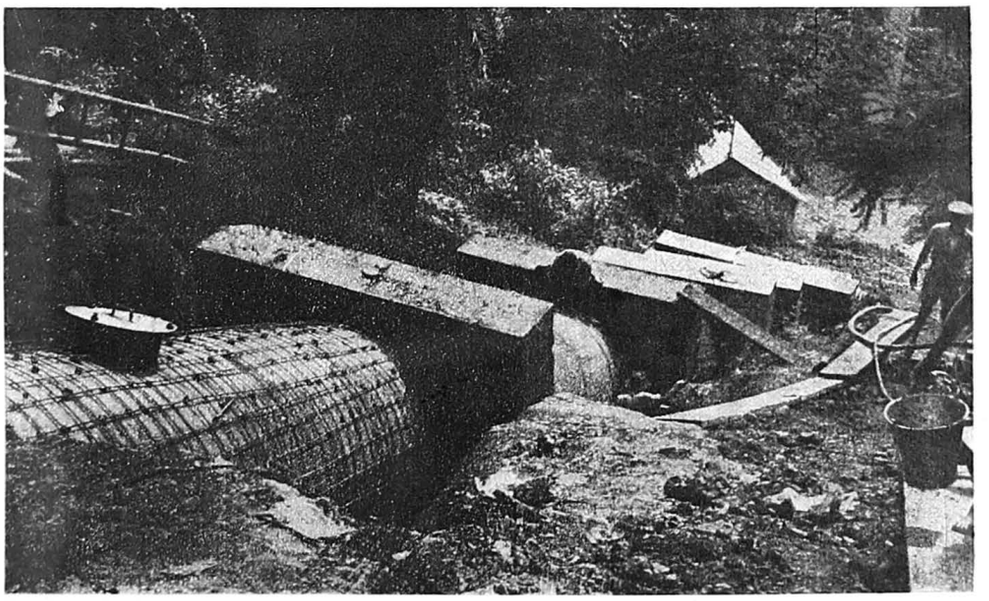
(*b*) *Loan Fund.*—The total expenditure incurred during the year out of Loan Funds was Rs. 21'01,776.

(*c*) *Other Public Bodies.*—Works to the extent of Rs. 2,98,835 were carried out by the department on behalf of Government, Bombay Port Trust and Private Parties.

K. B. CARNAC,
B.E., M.INST. C.E., M.I.E.
*Hydraulic Engineer.*



*Old Woman's Shoe At Kamala Nehru Park*



*New 72" Tansa Inlet At M.H.R.*

# WATER SUPPLY WORKS
## OF
## THE BOMBAY MUNICIPAL CORPORATION

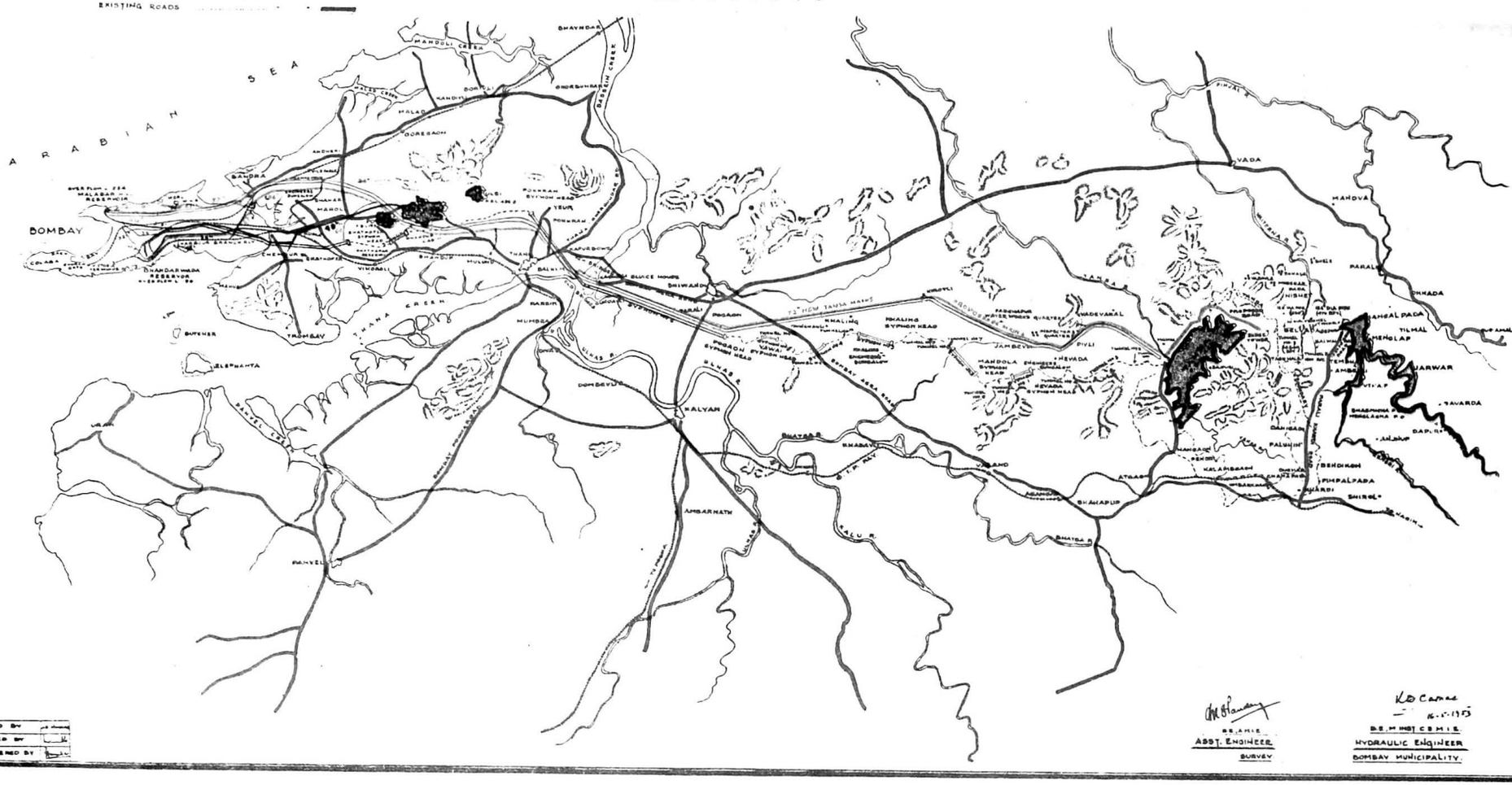
DRAWING No H.E./696 24-4-48

APPENDIX No. 1

NOTES –

| | SHOWN THUS |
|---|---|
| 2-72" TANSA MAINS | |
| MASONRY DUCT & SYPHON LINE | |
| 48" VEHAR MAIN | |
| 24" TULSI MAIN | |
| 96" PROPOSED VAITARNA MAIN | |
| 10' DIAMETER TUNNEL | |
| PROPOSED ROAD | |
| EXISTING ROADS | |

SCALE MILES 1 0 1 2 3 4 5




TRACED BY
CHECKED BY
REGISTERED BY

R.S. AMIN
ASST. ENGINEER
SURVEY

K.D. Carnac
16-5-1953
B.E., M.INST.C.E., M.I.E.
HYDRAULIC ENGINEER
BOMBAY MUNICIPALITY.

LAXMI OFFSET & PRINTING WORKS. BOMBAY. I.

## APPENDIX No. 2.

### (1) *Supply Statistics.*

| | | |
|---|---|---|
| (1) | Quantity of water supplied to the City and the Suburbs during the year in million gallons. | 43,553.00 |
| (2) | Quantity of water supplied to the City and Suburbs during the previous year in million gallons ... ... ... ... ... ... ... | 43,926.00 |
| (3) | Decrease over the previous year's supply in million gallons ... ... ... | 373.00 |
| (4) | Quantity of water supplied to the Thana Municipality in million gallons .. ... | 156.60 |
| (5) | Quantity of water supplied to other bodies out-side the limits of Greater Bombay in million gallons and not included in item 1 above ... ... ... .. | 309.00 |
| (6) | Average daily supply during the year in million gallons ... ... ... | 119.31 |
| (7) | Average daily supply during the previous year in million gallons ... ... ... | 119.98 |
| (8) | Decrease over previous year's average daily supply in million gallons ... ... | 0.67 |
| (9) | Population of the City and Suburbs as per Census Report of 1951 ... | ...28,42,116.00 |
| (10) | Average daily supply (for all purposes) in gallons per head per day ... ... | 41.87 |
| (11) | The maximum total supply per day during the year in million gallons on 4-10-1952 ... | 128.70 |
| (12) | The minimum total supply per day during the year in million gallons on 21-12-1952 ... | 116.20 |
| (13) | Total quantity conveyed by the two 72" Tansa Mains in million gallons ... | 30,792.40 |
| (14) | Average quantity of water conveyed daily by the 72" Tansa Mains in million gallons ... | 84.36 |
| (15) | Total quantity of water conveyed by the Duct during the year in million gallons ... | 6,045.60 |
| (16) | Average quantity of water conveyed daily by the Duct, in million gallons ... ... | 16.56 |
| (17) | Total quantity of water conveyed by the 48" Vehar Main during the year in million gallons. | 5,256.00 |
| (18) | Average quantity of water conveyed daily by the 48" Vehar Main in million gallons from Vehar Lake ... ... | 14.40 |
| (19) | Do. do. do. Tansa Lake included in Item No. 14 ... | 2.74 |
| (20) | Total quantity of water conveyed by the 24" Tulsi main during the year in million gallons. | 1,459.00 |
| (21) | Average quantity of water conveyed daily by the 24" Tulsi main during the year in million gallons ... ... ... ... ... ... ... | 3.99 |
| (22) | Quantity of water supplied in million gallons for domestic purposes during the year ... | 24,584.65 |
| (23) | Average quantity of water in gallons supplied for domestic purposes per head per day (Census of 1951) ... ... ... ... ... ... | 23.69 |
| (24) | Percentage of water supplied for domestic purposes ... ... ... ... | 56.45 |
| (25) | Percentage of water supplied for other purposes ... ... ... ... | 43.55 |

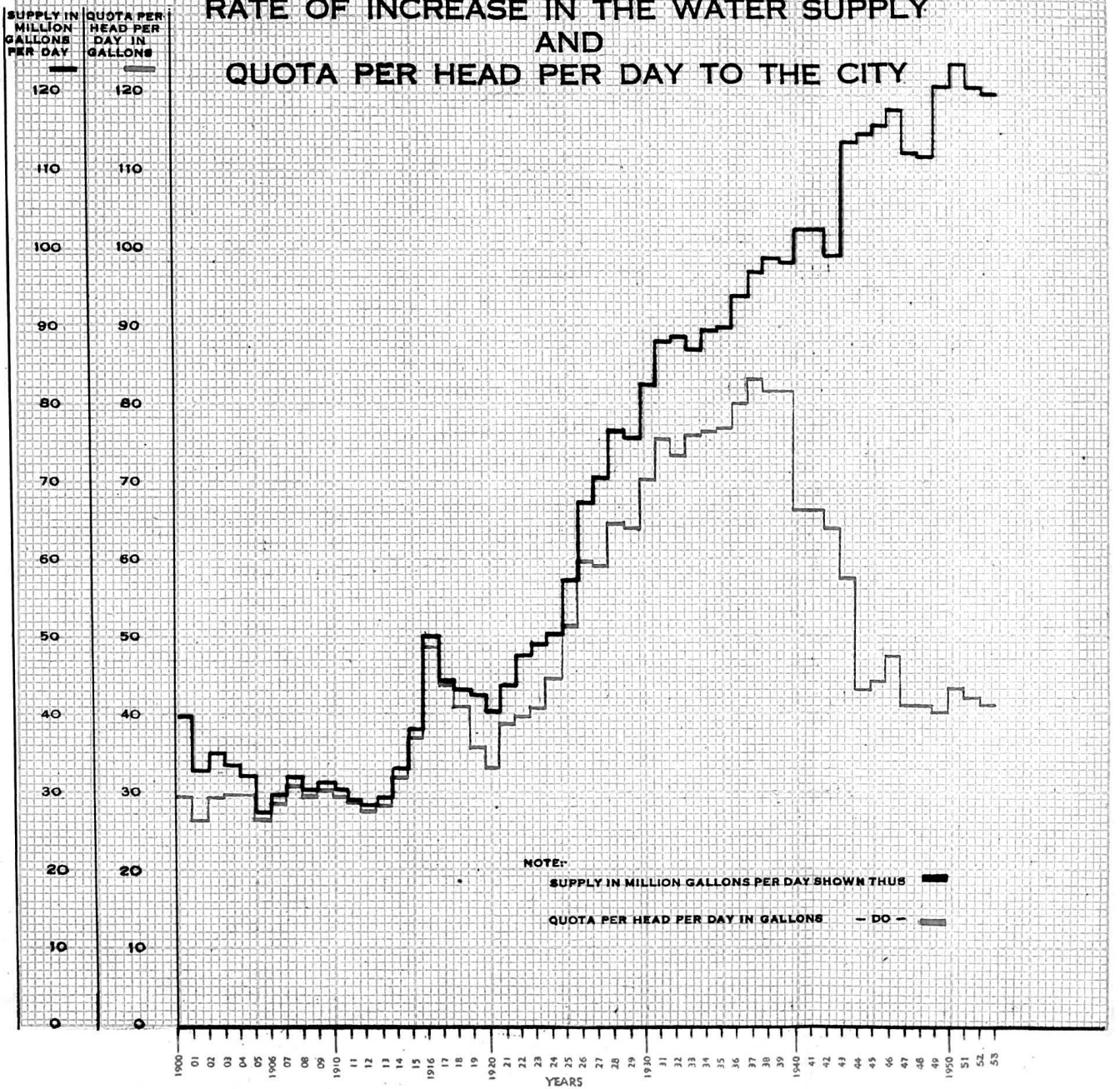
# APPENDIX No. 3.

*Statement showing quantity of water used for different purposes during the year 1952-53.*

| Serial No. | Particulars. | No. of premises. | Quantity in million gallons. | Percentage. | Remarks. |
|---|---|---|---|---|---|
| 1 | Bungalows and gardens ... | 667 | 882.85 | 2.03 | Metered. |
| 2 | Milch cattle stables ... | 21 | 51.52 | .12 | ,, |
| 3 | Other stables ... | 36 | 31.13 | .07 | ,, |
| 4 | Mills ... | 120 | 3,145.75 | 7.223 | ,, |
| 5 | Dyeing and Bleaching Mills ... | 107 | 35.72 | .08 | ,, |
| 6 | Gymkhanas, playgrounds etc. ... | 66 | 69.48 | .16 | ,, |
| 7 | Race Course ... ... | 2 | 64.61 | .15 | ,, |
| 8 | Industries ... | 1,223 | 948.92 | 2.18 | ,, |
| 9 | Laundries and Dhobighats ... | 92 | 248.12 | .57 | ,, |
| 10 | Lodging and Boarding Houses ... | 33 | 14.56 | .033 | ,, |
| 11 | Hotels ... | 164 | 189.79 | .43 | ,, |
| 12 | Restaurants ... | 2,324 | 415.76 | .95 | ,, |
| 13 | Flour Mills ... | 7 | 8.39 | .02 | ,, |
| 14 | Private Hospitals ... | 5 | 2.62 | .006 | ,, |
| 15 | Government properties ... | 374 | 1,358.04 | 3.12 | ,, |
| 16 | Aarey Milk Colony ... | ... | 416.43 | .96 | ,, |
| 17 | Railways ... | 95 | 919.30 | 2.11 | ,, |
| 18 | Bombay Port Trust including Residential quarters ... | 379 | 836.23 | 1.92 | ,, |
| 19 | Private markets ... | 10 | 16.27 | .03 | ,, |
| 20 | Bakeries ... | 44 | 9.99 | .023 | ,, |
| 21 | B. E. S. & T. Properties ... | 17 | 44.35 | .102 | ,, |
| 22 | Municipal Dhobighats ... | 2 | 90.43 | .21 | ,, |
| 23 | Chawls attached to Mills ... | 40 | 141.96 | .325 | ,, |
| 24 | Suburbs (Eastern) ... | ... | 1,274.94 | 2.93 | ,, |
| 25 | Suburbs (Western) ... | ... | 1603.27 | 3.68 | ,, |
| 26 | Building works ... | ... | 158,79 | .364 | Unmetered. |
| 27 | Fire purposes ... | ... | 2.93 | .007 | ,, |
| 28 | Leakage and other estimated losses through Municipal mains ... | ... | 2874.00 | 6.60 | ,, |
| 29 | Road construction ... | ... | 1.80 | .004 | ,, |
| 30 | Road watering and cleansing ... | ... | 1.26 | .003 | ,, |
| 31 | Gulley flushing ... | ... | 51.14 | .12 | ,, |
| 32 | Miscellaneous, such as drainage and sewerage works, public conveniences, Hospitals, Charitable institutions etc. ... | ... | 3058.00 | 7.02 | ,, |
| 33 | Domestic ... | ... | 24584.65 | 56.45 | Equivalent to 23.69 gallons per head per day. |
| | Total quantity of water supplied to the City and Suburbs during the year | | 43,553.00 | 100.00 | |

APPENDIX 4

# RATE OF INCREASE IN THE WATER SUPPLY AND QUOTA PER HEAD PER DAY TO THE CITY



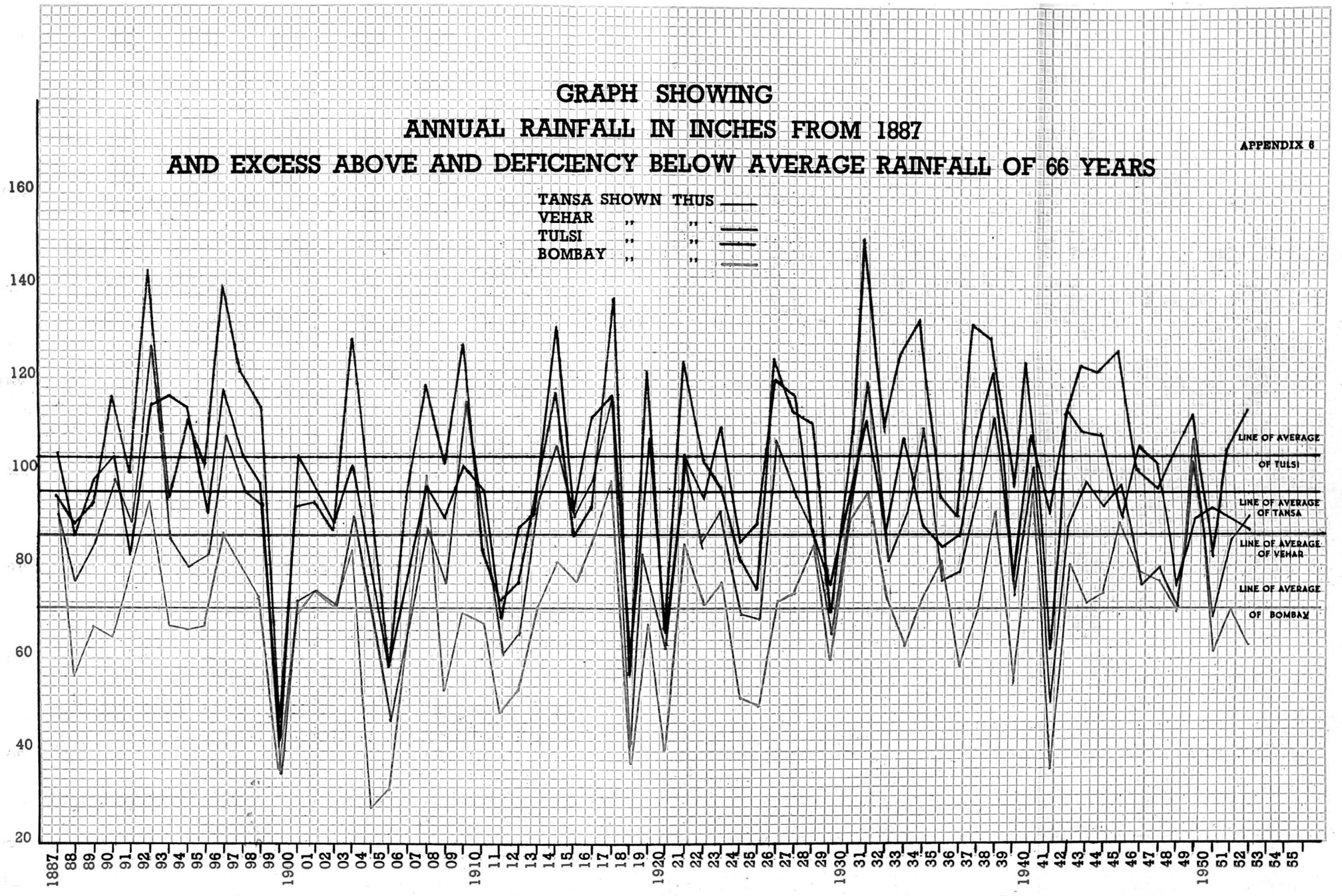
# APPENDIX No. 5.

## *Statistics of the Lakes for 1951-52.*

| Serial No. | Particulars. | Tansa. | Vehar. | Tulsi. | Powai. |
|---|---|---|---|---|---|
| 1 | Distance from Bombay (Town Hall) in miles by road ... ... | 63 | 18 | 22 | 17 |
| 2 | Lake area at full supply level in square miles ... ... ... | 7.38 | 2.81 | 0.52 | 0.57 |
| 3 | Total catchment area in square miles ... ... ... ... | 52.50 | 7.32 | 2.61 | 2.58 |
| 4 | Total rainfall in inches ... ... ... ... ... | 87.72 | 91.49 | 113.54 | 98.95 |
| 5 | Average rainfall of the preceeding 5 years ... ... ... ... | 90.89 | 82.87 | 99.93 | 87.35 |
| 6 | Number of wet days ... ... ... ... ... ... | 103 | 85 | 92 | 84 |
| 7 | Decrease and increase in rainfall as compared with average of preceeding 5 years ... | —3.17 | +8.62 | +13.61 | +11.60 |
| 8 | (*a*) Number of days in which rainfall exceeded 1" (less than 2") ... | 10 | 2 | 9 | 2 |
| | (*b*) Number of days in which rainfall exceeded 2" (less than 3") ... | 9 | 1 | Nil | 2 |
| | (*c*) Number of days in which rainfall exceeded 3" and above. ... ... | 5 | 11 | 12 | 11 |
| 9 | Maximum rainfall per day in inches ... ... ... ... | 8.97 | 7.86 | 8.95 | 8.40 |
| 10 | Date of maximum rainfall ... ... ... ... ... | 25-7-52 | 21-6-52 | 17-7-52 | 21-6-52 |
| 11 | The lake commenced to overflow when the rainfall amounted to inches ... | 71.38 | Nil | 79.07 | 40.00 |
| 12 | Dates on which the lake started overflowing ... ... ... ... | 5-8-52<br>23-8-52 | ... | 21-7-52 | 14-7-52<br>7-10-52 |
| 13 | Number of days the lake overflowed ... ... ... ... | ... | ... | 37 | 68 |
| 14 | Number of times the lake overflowed ... ... ... ... | 2 | Nil | 1 | 2 |
| 14A | Dates on which the lake stopped over flowing ... ... ... | 6-8-52<br>... 23-8-52 | ... | 26-8-52 | 15-9-52<br>12-10-52 |
| 15 | Quantity of water that overflowed over the waste-weir in million gallons ... | 4.24 | Did not overflow. | 662.87 | 1616.61 |
| 16 | Quantity of water overflowed equivalent to number of days of supply from each lake ... ... ... ... ... | ½ | Do. | 166 | ... |
| 17 | Full from each lake supply level of the lake in Town Hall Datum ... ... | 422.00 | 264.50 | 456.60 | 195.00 |
| 18 | Contents of the lake at full supply level in million gallons above the lowest outlet. | 40,660 | 9,120 | 2,295 | 1,200 |
| 19 | Highest level reached during the year in T.H.D. ... ... ... | 421.96 | 254.07 | 456.92 | 195.55 |
| 20 | Date on which the highest level was reached ... ... ... ... | 18-8-52 | 26-8-52 | 27-7-52 | 17-7-52 |
| 21 | Lowest drawable levels in T.H.D. ... ... ... ... | 385.00 | 234.50 | 430.00 | ... |
| 22 | Drawable capacities in million gallons when the lakes are full. ... ... | 35,275 | 8,425 | 1,771 | ... |
| 23 | Lowest level reached during the year in T.H.D. ... ... ... | 388.95 | 233.32 | 435.91 | 187.83 |
| 24 | Date on which the lowest level was reached ... ... ... ... | 21-6-52 | 26-6-52 | 20-6-52 | 10-6-52 |
| 25 | Contents of the lake at the lowest level reached in million gallons ... ... | 8,010 | 494 | 806 | 529 |
| 26 | Contents of the lake at lowest drawable levels in million gallons ... ... | 5,403 | 713 | 524 | ... |
| 27 | Contents of the lake in million gallons between the lowest level reached and the lowest drawable levels ... ... ... ... ... | 2,607 | 219 | 242 | ... |
| 28 | Quantity of water required to fill up the lakes, to full supply level from the lowest level reached, in million gallons ... ... ... ... ... | 27,265 | 7,931 | 365 | ... |
| 29 | Percentage of run off into the lake from the catchment as per rainfall registered at the lake ... ... ... ... ... ... ... | 57.88 | 50.35 | 51.97 | ... |
| 30 | Quantity of water brought into the City and Suburbs during the year in million gallons ... ... ... ... ... ... ... | 36,838 | 5256 | 1,459 | ... |
| 31 | Quantity of water brought into the City and Suburbs per day in million gallons ... | 100.92 | 14.40 | 3.99 | ... |
| 32 | Total loss of water due to evaporation, leakage and absorption in million gallons during the dry-period of 8 months ... ... ... ... | 5994 | 1070 | 547 | 783 |
| 33 | Average loss of water per day due to evaporation and other losses during the dry months in million gallons ( 8 months) ... ... ... ... | 24.66 | 4.40 | 2.25 | 3.22 |
| 34 | Total loss of water due to evaporation only in million gallons (*vide* Appendix 7) ... | 3877.68 | 794.93 | 229.25 | ... |
| 35 | Average loss of water per day due to evaporation only in million gallons for the period stated in Item 34 above ... ... ... ... ... | 18.29 | 3.74 | 1.08 | ... |
| 36 | Equivalent number of days supply (Evaporation only) ... ... ... | 32 | 7 | 2 | ... |

APPENDIX 6

# GRAPH SHOWING
# ANNUAL RAINFALL IN INCHES FROM 1887
# AND EXCESS ABOVE AND DEFICIENCY BELOW AVERAGE RAINFALL OF 66 YEARS




LAXMI OFFSET & PRINTING WORKS. BOMBAY. 1.

## APPENDIX No. 7.

*Quantity of water lost by evaporation alone at the lakes.*

| Month. | Evaporation in feet. | | | Evaporation in million gallons. | | |
|---|---|---|---|---|---|---|
| | Tansa. | Vehar. | Tulsi. | Tansa. | Vehar. | Tulsi. |
| 1952— | | | | | | |
| April | 0.688 | 0.588 | 0.523 | 603.06 | 126.85 | 33.80 |
| May | 0.766 | 0.582 | 0.540 | 620.31 | 117.74 | 32.94 |
| June<br>July<br>August<br>September<br>October | Not | recorded | | Not | recorded | |
| November | 0.473 | 0.420 | 0.467 | 561.93 | 120.54 | 37.26 |
| December | 0.505 | 0.405 | 0.465 | 579.46 | 107.60 | 35.42 |
| 1953— | | | | | | |
| January | 0.494 | 0.401 | 0.446 | 518.02 | 102.80 | 31.95 |
| February | 0.461 | 0.426 | 0.393 | 449.92 | 102.90 | 26.52 |
| March | 0.604 | 0.508 | 0.488 | 544.98 | 116.50 | 31.36 |
| Total | 3.991 | 3.330 | 3.317 | 3877.68 | 794.93 | 229.25 |

Grand Total : 4901.86 million gallons in dry season=23.12 million gallons per day.

## APPENDIX No. 8.

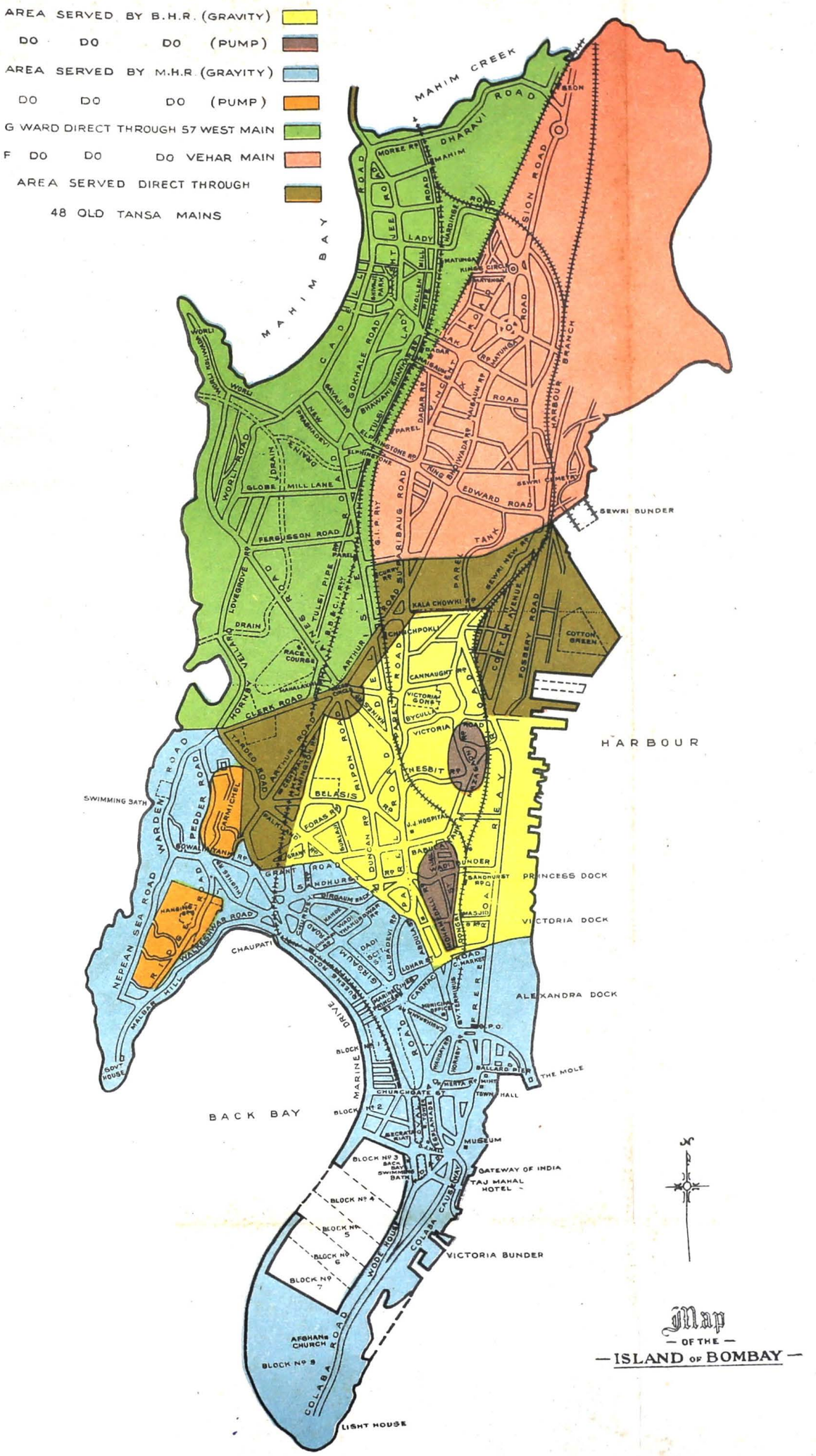
*Hours of Supply in different localities. (All timings indicated in Standard Time)*

| Locality. | Supply Hours. | | | Remarks. |
|---|---|---|---|---|
| | Full Supply. | Partial Supply. | Non-Supply. | |
| (1)*a*) Fort, Colaba, Back Bay Areas ... | 7-00 P.M. to 5-30 A.M. | 5-30 A.M. to 7-30 A.M.<br>5-30 P.M. to 7-00 P.M. | 7-30 A.M. to 5-30 P.M. | Due to inadequate outlets for this area longer hours of supply have to be kept so as to allow pressures to build up. |
| (*b*) Royal Indian Navy Dockyard ... | 7-00 P.M. to 5-30 A.M. | 5-30 A.M. to 7-30 A.M.<br>8-00 A.M. to 5-00 P.M.*<br>5-30 P.M. to 7-00 P.M. | 7-30 A.M. to 8-00 A.M.<br>5-00 P.M. to 5-30 P.M. | Besides the ordinary Fort supply hours a little supply is given to this area practically throughout the day from Bhandarwada Hill Reservoir for special purposes in the Dock area. |
| (2) Ridge Road Area (Part) Altamount Road Area. | 2-00 A.M. to 7-30 A.M.<br>5-00 P.M. to 5-30 P.M.<br>8-00 P.M. to 11-00 P.M. | ... | 7-30 A.M. to 5-00 P.M.<br>5-30 P.M. to 8-00 P.M.<br>11-00 P.M. to 2-00 A.M. | Pump supply from Malabar Hill Reservoir. A little longer hours than normal have to be kept so as to allow pressures to build up in the end districts. |
| (3) Carmichael Road ... | 5-00 A.M. to 7-30 A.M.<br>5-00 P.M. to 5-30 P.M.<br>8-00 P.M. to 11-00 P.M. | 7-30 A.M. to 11-30 A.M.<br>5-30 P.M. to 8-00 P.M. | 11-30 A.M. to 5-00 P.M.<br>11-00 P.M. to 5-00 A.M. | Pump supply from Malabar Hill Reservoir during full supply hours and direct supply during partial supply hours. This timing is necessary in order to allow pressures to build up. |
| (4) Pedder Road, Warden Road (Part), Gowalia Tank Road, Forjet Street. | 7-30 A.M. to 11-30 A.M.<br>5-30 P.M. to 8-00 P.M.<br>11-00 P.M. to 5-00 A.M. | 8-00 P.M. to 11-00 P.M.<br>5-00 A.M. to 7-30 A.M. | 11-30 A.M. to 5-30 P.M. | For want of sufficient outlets, this area has to be given direct supply and hence pressures built up during the general non-supply hours. |
| (5) Nepean Sea Road, Narayan Dabholkar Road, Warden Road (Part). | 5-00 P.M. to 5-30 P.M<br>9-00P.M. to 7-30 A.M. | | 7-30 A.M. to 5-00 P.M.<br>5-30 P.M. to 9-00 P.M. | Aa a small outlet serves this area supply from the Malabar Hill Reservoir has to be given for a little longer time. |
| (6) Walkeshwar Road (Part), Ridge Road (Part), and Banganga Road. | 2-00 A.M. to 7-30 A.M.<br>5-00 P.M. to 5-30 P.M.<br>8-00 P.M. to 11-00 P.M. | 7-30 A.M. to 5-00 P.M.<br>5-30 P.M. to 8-00 P.M.<br>11-00 P.M. to 2-00 A.M. | | In order to prevent air locks in the 12" Ridge Road Main which feeds this area, little pressure has to be maintained in it thoughout the day. Further, supply to this area being aided by the pump-supply from Malabar Hill Reservoir, its full supply hours are the same as in(2). |

APPENDIX No. 8 (*concld.*)

| Locality. | Supply Hours. | | | Remarks. |
|---|---|---|---|---|
| | Full Supply. | Partial Supply. | Non-Supply. | |
| (7) Mazagaon Area ... | 5-00 A.M. to 6-00 A.M.<br>6-00 P.M. to 8-00 P.M. | 6-00 A.M. to 7-30 A.M.<br>5-00 P.M. to 6-00 P.M. | 7-30 A.M. to 5-00 P.M.<br>8-00 P.M. to 5-00 A.M. | Part of the supply is given from the Reservoir and part from Elevated tank at Bhandarwada Hill Reservoir. It has to be staggered in order to build up pressures in both these districts. |
| (8) Dongri Area ... | 5-00 A.M. to 6-00 A.M.<br>9-30 P.M. to 11-00 P.M. | 6-00 A.M. to 7-30 A.M.<br>4-30 P.M. to 5-30 P.M.<br>8-00 P.M. to 9-30 P.M. | 7-30 P.M. to 4-30 P.M.<br>5-30 P.M. to 8-00 P.M.<br>11-00 P.M. to 5-00 A.M. | |
| (9) North of the City above (Clerk Road) and West of the Railway Line (G Ward). | 5-00 P.M. to 8-00 P.M.<br>11-00 P.M. to 5-00 A.M. | 5-00 A.M. to 7-30 A.M.<br>8-00 P.M. to 11-00 P.M. | 7-30 A.M. to 5-00 P.M. | In the absence of service reservoirs in the North, Direct supply has to be given to this area and high pressures develop during the normal non-supply hours. |
| (10) Tardeo, Grant Road (Part), Gamdevi Ripon Road (Part), Lamington Road Sewree and Cotton Green Reay Road and part of the City north of Kalachowkey and east of the central marin line | 5-00 A.M. to 6-00 A.M.<br>8-00 P.M. to 11-00 P.M. | Remaining hours of the day. | | Little supply is given to this area from old Tansa and Vehar Main during ordinary non-supply hours in order to build up pressures during supply hours. |
| (11) Bombay Port Trust, Docks (B) and E. wards) ... | 5-00 A.M. to 6-00 A.M.<br>8-00 P.M. to 11-00 P.M. | 6-00 A.M. to 7-30 A.M.<br>8-00 A.M. to 5-00 P.M. *<br>5-00 P.M. to 5-30 P.M. | 7-30 A.M. to 8-00 A.M.<br>5-30 P.M. to 8-00 P.M.<br>11-0 P.M. 5-0 A.M. | * Besides the ordinary City supply hours.<br>Little supply is given to this area from Bhandarwada Hill Reservoir for special purposes in the Dock Area. |
| (12) Golanji Hill in F Ward South ... | 3-00 A.M. to 4-00 A.M.<br>8-30 A.M. to 9-30 A.M.<br>4-30 P.M. to 7-30 P.M. | 4-00 A.M. to 7-30 A.M.<br>8-00 P.M. to 11-30 P.M. | 7-30 A.M. to 8-30 A.M.<br>9-30 A.M. to 4-30 P.M.<br>7-30 P.M. to 8-00 P.M.<br>11-30 P.M. to 3-00 A.M. | |
| (13) Parel Tank Road in F/S Ward ... | 4-00 A.M. to 5-00 A.M.<br>8-00 A.M. to 8-30 A.M.<br>5-30 P.M. to 7-30 P.M.<br>10-30 P.M. 12-00 P.M. | | 5-00 A.M. to 8-00 P.M.<br>8-30 A.M. to 5-30 A.M.<br>7-30 P.M. to 10 30 P.M.<br>12-00 P.M. to 4-00 P.M. | Staggered pump supply is given to these areas from 18" main in King Edward Road. The low level portion of the Golanji Hill area gets a little supply during general city supply hours. |
| (14) Remaining part of the City ... | 5-00 A.M. to 6-00 A.M.<br>8-00 P.M. to 11-00 P.M. | 6-00 A.M. to 7-30 A.M.<br>5-00 P.M. to 5-30 P.M. | 7-30 A.M. to 5-00 P.M.<br>5-30 P.M. to 8-00 P.M.<br>11-00 P.M. 5-00 A.M. | |

APPENDIX 9




LAXMI OFFSET & PRINTING WORKS, BOMBAY.

## APPENDIX No. 10.

*Statement Showing Short Supply Complaints in the City.*
(For the last 16 years)

| Months | 1937-38 | 1938-39 | 1939-40 | 1940-41 | 1941-42 | 1942-43 | 1943-44 | 1944-45 | 1945-46 | 1946-47 | 1947-48 | 1948-49 | 1949-50 | 1950-51 | 1951-52 | 1952-53 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| April ... | 195 | 351 | 280 | 345 | 750 | 147 | 481 | 280 | 307 | 396 | 440 | 479 | 931 | 1,017 | 1,145 | 1,369 |
| May ... | 262 | 342 | 275 | 440 | 420 | 196 | 352 | 276 | 287 | 335 | 520 | 458 | 1,208 | 1,390 | 1,273 | 1,388 |
| June ... | 215 | 150 | 235 | 390 | 322 | 540 | 333 | 304 | 312 | 345 | 610 | 488 | 771 | 1,277 | 1,385 | 1,412 |
| July ... | 160 | 93 | 260 | 151 | 345 | 204 | 281 | 196 | 210 | 356 | 441 | 530 | 1,112 | 1,311 | 1,288 | 1,336 |
| August ... | 155 | 105 | 158 | 122 | 240 | 211 | 131 | 232 | 217 | 280 | 320 | 569 | 851 | 1,143 | 1,567 | 1,285 |
| September | 180 | 183 | 195 | 150 | 365 | 108 | 115 | 174 | 250 | 230 | 329 | 682 | 931 | 1,143 | 1,538 | 1,280 |
| October ... | 390 | 103 | 212 | 130 | 620 | 220 | 201 | 421 | 361 | 277 | 425 | 730 | 877 | 1,400 | 1,773 | 1,340 |
| November | 362 | 140 | 222 | 180 | 518 | 227 | 332 | 472 | 387 | 289 | 304 | 593 | 929 | 1,448 | 1,211 | 1,304 |
| December | 340 | 142 | 152 | 140 | 360 | 184 | 159 | 268 | 217 | 328 | 351 | 546 | 928 | 1,109 | 1,175 | 1,467 |
| January ... | 207 | 125 | 160 | 225 | 221 | 138 | 131 | 230 | 192 | 328 | 296 | 488 | 776 | 1,286 | 1,153 | 1,219 |
| February | 156 | 120 | 190 | 170 | 292 | 188 | 135 | 171 | 211 | 305 | 296 | 598 | 916 | 1,242 | 1,206 | 1,349 |
| March ... | 280 | 195 | 135 | 485 | 211 | 352 | 232 | 246 | 272 | 458 | 456 | 728 | 920 | 1,322 | 1,197 | 1,712 |
| Total ... | 2,902 | 2,054 | 2,474 | 2,978 | 4,674 | 2,715 | 2,883 | 3,270 | 3,223 | 3,927 | 4,782 | 6,889 | 11,150 | 15,256 | 15,711 | 16,461 |

## APPENDIX No. 11.

*Statistics of the work done by the rewashering staff during the year 1952-53.*

| Ward. 1 | No. of re-washsering Mukadams. 2 | No. of houses inspected. 3 | No. of taps inspected. 4 | No. of taps re-washered. 5 | Per centage of 5 to 4. 6 | No. of defects found for Notice. 7 | Notices issued. 8 | Court action taken. 9 | No. of taps renewed dapartmen-tally. 10 |
|---|---|---|---|---|---|---|---|---|---|
| A ... | 2 | 3,519 | 80,542 | 6,464 | 8% | 490 | 280 | ... | 22 |
| B ... | 2 | 4,174 | 31,222 | 6,170 | 20% | 554 | 259 | 4 | 26 |
| C ... | 2 | 4,751 | 38,409 | 6,233 | 16% | 637 | 404 | 9 | 32 |
| D ... | 2 | 3,633 | 57,147 | 6,040 | 11% | 566 | 323 | 4 | 64 |
| E ... | 2 | 6,248 | 40,086 | 7,297 | 18% | 586 | 418 | 14 | 85 |
| F ... | 2 | 3,998 | 58,314 | 7,228 | 12% | 513 | 361 | 12 | 152 |
| G ... | 2 | 5,769 | 43,868 | 7,121 | 16% | 550 | 381 | 6 | 137 |
| Total ... | 14 | 32,092 | 3,49,588 | 46,553 | | 3896 | 2,426 | 49 | 518 |

## APPENDIX No. 12.

*List of Bursts Repaired during the year 1952-53.*

| Serial No. | Locality. | Size of main. | Date. |
|---|---|---|---|
| 1 | 338, Tulsi Pipe Road ... ... ... ... ... | 3" | 1-4-1952 |
| 2 | Arthur Road grass siding ... ... ... ... | 4" | 20-4-1952 |
| 3 | Sewri Cross Road ... ... ... ... ... | 4" | 22-4-1952 |
| 4 | Arthur Road ... ... ... ... ... | 4" | 28-4-1952 |
| 5 | Delisle Road junction Arthur Road ... ... ... | 3" | 28-4-1952 |
| 6 | Gowalia Chawl Lane ... ... ... ... ... | 4" | 17-5-1952 |
| 7 | Sewri Cross Road ... ... ... ... ... | 4" | 19-5-1952 |
| 8 | Delisle Road junction Arthur Road ... ... ... | 3" | 24-5-1952 |
| 9 | Sewri Cross Road ... ... ... ... ... | 4" | 24-5-1952 |
| 10 | Delisle Road ... ... ... ... ... | 3" | 26-5-1952 |
| 11 | Arthur Road junction Delisle Road ... ... ... | 4" | 26-5-1952 |
| 12 | Dharavi Sion Road ... ... ... ... ... | 6" | 16-6-1952 |
| 13 | Clerk Road junction Approach Road ... ... ... | 3" | 21-6-1952 |
| 14 | Clerk Road junction Approach Road ... ... ... | 4" | 21-6-1952 |
| 15 | Lakhamsi Napoo Road ... ... ... ... ... | 6" | 17-7-1952 |
| 16 | Sewri Cross Road ... ... ... ... ... | 4" | 8-10-1952 |
| 17 | Arthur Road junction grass siding ... ... ... ... | 3" | 16-10-1952 |
| 18 | Arthur Road junction grass siding ... ... ... ... | 3" | 24-10-1952 |
| 19 | Tulsi Pipe Road opposite Ambika Mill ... ... ... | 3" | 27-10-1952 |
| 20 | Arthur Road grass siding ... ... ... ... ... | 3" | 10-11-1952 |
| 21 | Sewri Cross Road ... ... ... ... ... | 4" | 14-11-1952 |
| 22 | Sewri Cross Road ... ... ... ... ... | 4" | 9-12-1952 |
| 23 | Arthur Road opposite Arthur Road Hospital ... ... ... | 6" | 11-12-1952 |
| 24 | Boundary Road Cotton Depot ... ... ... ... | 9" | 18-12-1952 |
| 25 | Girgaum Road junction Benam Hall Lane ... ... ... | 6" | 22-12-1952 |
| 26 | Victoria Road opposite Musjid ... ... ... ... | 3" | 31-12-1952 |
| 27 | Delisle Road ... ... ... ... ... | 4" | 27-1-1953 |
| 28 | Sion West Road No. 9 ... ... ... ... | 6" | 28-1-1953 |
| 29 | Victoria Garden Bridge ... ... ... ... | 4" | 7-2-1953 |
| 30 | Waudby Road ... ... ... ... ... | 4" | 13-2-1953 |
| 31 | Grant Road opposite Super Cinema ... ... ... | 3" | 19-2-1953 |
| 32 | Dharavi Kumbharwada ... ... ... ... | 3" | 9-3-1953 |

## APPENDIX No. 13.

*Total Number of Municipal meters*

| Make. | Frost Meters. | | | | | | | Kent Meters. | | | | | | | | | Justa Meters. | | | | | | | | | Watch Dog. | Frost Rotary. | Wasser zahlar. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Size ... ... | ½" | ¾" | 1" | 1½" | 2" | 3" | 4" | ½" | ¾" | 1" | 1½" | 2" | 3" | 4" | 6" | 8" | ½" | ¾" | 1" | 1½" | 2" | 3" | 4" | 6" | 8" | ½" | ½" | ½" |
| Total Nos. of Meters ... | 287 | 328 | 510 | 209 | 153 | 154 | 155 | 2277 | 1285 | 645 | 209 | 174 | 144 | 138 | 9 | 29 | 22 | 80 | 148 | 33 | 6 | 5 | 22 | 4 | 1 | 205 | 44 | 15 |
| | = 1,796 | | | | | | | = 4,860 | | | | | | | | | = 321 | | | | | | | | | 205 | 44 | 15 |

| | |
|---|---|
| 1" | 2,800 |
| ¾" | 1,693 |
| 1" | 1,303 |
| 1½" | 451 |
| 2" | 333 |
| 3" | 303 |
| 4" | 315 |
| 6" | 13 |
| 8" | 30 |
| Total | 7,241 |

## APPENDIX No. 14

*Details of Communicating pipes cleaned in F Ward during the year 1952-53.*

| Size of connections. | No. of connections. | | |
|---|---|---|---|
| | Full of moss shells incrustation. | Connections found broken. | Total. |
| ½" .. | 242 | 49 | 291 |
| ¾" .. | 501 | 28 | 529 |
| 1" .. | 252 | 43 | 295 |
| 1¼" .. | 43 | 2 | 45 |
| 1½" .. | 20 | 3 | 23 |
| 2" .. | 11 | 1 | 12 |
| Total .. | 1069 | 126 | 1195 |

## APPENDIX No. 15

*Details of consumer's pipes cleaned in F & G Wards During the Year 1952-53*

| Size of connection. | No. of connections cleaned. | Length of pipes cleaned in R.ft. |
|---|---|---|
| ½" .. | 165 | 58,943 |
| ¾" .. | 395 | 95,934 |
| 1" .. | 210 | 40,352 |
| 1¼" .. | 53 | 9,688 |
| 1½" .. | 17 | 4,047 |
| 2" .. | 1 | 102 |
| Total .. | 841 | 2,09,066 |

# APPENDIX No. 16

*Statement of defects found on mains and service pipes during the year 1952-53.*

| No. of Diagrams taken against months | | Total leakage discovered and arrested in gallons per hour. | DEFECTS. | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | UNDER GROUND | | | | | | | | | ABOVE GROUND | | | | | | | | | | | |
| | | | Mains | | Sluice Valves. | Hydrants | Service Pipes. | Stop Taps. | Disconnected service pipes. | | Miscellaneous Holes in Mains, etc. | Bib Taps | | | Service Pipes | | Ball Valves and Tanks | | | Stop Taps leaking. | Meter Coupling Flanges, Holes, etc. | Miscellaneous | REMARKS. |
| | | | Bursts. | Joints. | | | | | Ferrule leak. | Pipe leak. | | Re-washered | Out of order. | Left open. | Leaking. | Without Tap. | B. V. out of order. | Tanks without B. Vs. | Tanks leaking | | | | |
| 1952— | | | | | | | | | | | | | | | | | | | | | | | |
| April | ... 56 | 3,65,450 | 5 | 4 | 168 | 305 | 263 | 94 | 54 | ... | 92 | 4,101 | 345 | ... | 229 | 53 | 163 | 80 | 72 | 21 | ... | ... | |
| May | ... 55 | 3,63,670 | 5 | 8 | 122 | 315 | 282 | 126 | 67 | ... | 115 | 4,725 | 370 | ... | 270 | 58 | 170 | 81 | 73 | 17 | ... | ... | |
| June | ... 60 | 3,04,740 | 1 | 1 | 108 | 317 | 239 | 78 | 72 | ... | 152 | 4,077 | 342 | ... | 228 | 60 | 164 | 83 | 63 | 16 | ... | ... | |
| July | ... 69 | 3,54,759 | 1 | 7 | 118 | 259 | 247 | 103 | 51 | ... | 60 | 4,746 | 456 | ... | 234 | 90 | 173 | 91 | 63 | 12 | 60 | ... | |
| August | ... 52 | 3,26,575 | ... | 5 | 113 | 200 | 207 | 112 | 71 | ... | 85 | 4,119 | 274 | ... | 195 | 55 | 167 | 108 | 65 | 16 | 32 | ... | |
| September | ... 57 | 3,84,903 | 1 | 5 | 135 | 236 | 250 | 108 | 60 | ... | 64 | 4,326 | 312 | ... | 241 | 59 | 236 | 169 | 83 | 35 | 40 | ... | |
| October | ... 66 | 4,75,502 | 6 | 3 | 107 | 241 | 289 | 154 | 47 | ... | 63 | 4,576 | 355 | ... | 242 | 78 | 114 | 125 | 87 | 60 | 59 | ... | |
| November | ... 65 | 3,69,544 | 3 | 3 | 144 | 267 | 229 | 114 | 74 | ... | 37 | 4,445 | 382 | ... | 249 | 75 | 265 | 103 | 92 | 31 | 62 | ... | |
| December | ... 61 | 3,68,058 | 6 | 3 | 168 | 359 | 212 | 121 | 99 | ... | 50 | 4,344 | 321 | ... | 230 | 53 | 216 | 132 | 118 | 46 | 85 | ... | |
| 1953— | | | | | | | | | | | | | | | | | | | | | | | |
| January | ... 60 | 3,52,790 | 2 | 4 | 180 | 288 | 215 | 103 | 59 | ... | 26 | 4,138 | 382 | ... | 265 | 84 | 174 | 136 | 106 | 56 | 64 | ... | |
| February | ... 56 | 3,06,913 | 2 | 1 | 125 | 230 | 192 | 125 | 43 | ... | 42 | 3,756 | 285 | ... | 242 | 170 | 205 | 130 | 91 | 47 | 82 | ... | |
| March | ... 34 | 3,07,546 | 1 | 4 | 171 | 269 | 253 | 119 | 113 | ... | 40 | 4,253 | 289 | ... | 231 | 65 | 184 | 101 | 86 | 23 | 112 | ... | |
| Total | ... 691 | 42,70,450 | 33 | 48 | 1,659 | 3,285 | 2,878 | 1,357 | 810 | ... | 326 | 51,597 | 4,113 | ... | 2,856 | 900 | 2,231 | 1,379 | 999 | 380 | 596 | ... | |
| Grand Total | ... | | | | | 10,897 | | | | | | ... | | | | | 13,454 | | | | | | |

Average leakage in gallons per hour 3,66,112.

# BOMBAY FIRE BRIGADE

Shri M. G. Pradhan continued to be in charge of the Brigade during the period under report.

## FIRE SERVICE

**Calls.**—During the year, 838 calls were received for 608 actual fires and 83 calls were received for special services. The number of false calls recorded was 316, of which 105 calls were due to malicious interference with fire alarms, 22 were with good intentions, and 189 were due to defects in the Fire Alarm System.

**Fire Alarms.**—There were 204 fire alarm posts spread over the city, including private ones and these were connected to 9 Fire Stations. About 57 per cent of the total calls received for fires etc., were transmitted through this system. Three persons were arrested for malicious interferences with Fire Alarms. Two of them were sent to Mental Hospital, having been found to be lunatics, whilst the third was sentenced to pay a fine of Rs. 50 or in default, to undergo 2 week's rigorous imprisonment.

**Serious Fires.**—There were ten major fires in which the total estimated loss to the property and contents involved in each case exceeded Rupees seventy five thousand. The highly inflammable substances such as films, plastic products, cotton and chemicals involved in these fires and the delay in summoning the services of the Brigade in some cases, were mostly responsible for the quick spread of the fire and consequent loss to property and contents.

**Fire loss.**—The estimated loss to property damaged or destroyed by fire during the year under report, was about Rs. 53,17,303 as against Rs. 59,32,416 in the previous year. Although there was a slight decrease in the fire loss, during the year under report, it was comparatively high in comparison with the losses in the year 1950-51; and it was mainly due to a serious fire in Jam Mills, Tokersey Jivraj Road which alone caused a damage to the extent of Rs. 25 lacs and to other fires in cinematograph film vaults. The value of insurance of property affected by fire was about Rs. 20,40,138 and the total value of property involved was about Rs. 36,48,25,657.

**Water supply.**—Supply of water required for extinguishing fires was satisfactory and the attendance of the staff of the Water Department was prompt. The approximate quantity of water used in extinguishing fires during the year was 32,47,069 gallons, of which 27,53,117 gallons were drawn from Municipal Mains and the rest from sea, tanks and wells.

**Lives lost.**—Nine persons were burnt to death and 19 persons who received injuries at fires, died subsequently in hospitals. 61 persons, who had received minor injuries, recovered ultimately. The Brigade had rendered first aid in 51 cases including those who had received injuries at fallen buildings.

**Appliances.**—Two motor pumps with extension ladders, and one C02 foam crash fire tender were ordered during the year under report from the United Kingdom. One Turn Table Ladder extending over 120 feet ordered in 1950-51 was still to be received. One motor pump ordered in 1951-52, one fire tender and two motor lorries ordered in the year under report were received and put in commission.

**General.**—A new Fire Station was opened at Worli in the City in the month of October thus raising the total number of Fire Stations in the City to eleven.

During the absence of the Chief Officer on leave for four months from 24th August 1952 to 23rd December 1952, Deputy Chief Officer Shri S. G. Vengsarkar was appointed to act as the Chief Officer.

Services of the Brigade were summoned for rendering assistance and special services on 83 occasions, of which 56 were in respect of fallen buildings. The rest were for rescue work from trees, wells, sea etc., 33 persons injured at fallen buildings recovered subsequently, while one person died on the spot due to severe injuries. The total distance travelled by fire appliances to and from calls was 11,470 miles.

Inspection of hydrants was regularly carried out throughout the year and the defects deteeted were remedied wherever possible by the staff of the Water Department.

All calls to fire and special services in the newly added areas were attended by sending fire engines from the nearest fire stations within the city limits, as no fire station had been provided in that area so far. A new fire station proposed to be established at Andheri, would be constructed and put in commission within the next six months. Necessary equipment to be placed at this station was ordered from the United Kingdom.

This department inspected theatres, cinemas and temporary structures for holding performances and exhibits for public entertainment on 100 occasions. 446 sites proposed for establishment of printing presses, factories, hazardous trades etc., and 2,188 premises proposed as storages of commodities of hazardous and inflammable nature, were inspected during the year and necessary precautionary measures against fire were recommended in each case.

Issue of licences for storage of cinematograph films with nitrate base continued to be controlled by the Government of India but all cases of cinematograph films with safety base were referred to this department to ascertain the suitability of the premises for proposed storages. Similarly, 108 storages for dangerous petroleum were inspected before licences were issued by Explosives Department.

116 complaints against the storages involving fire risk were investigated and the departments concerned were advised about precautionary measures required to be taken in each case.

During the year under report three candidates, deputed by Semi-Government bodies, were entertained for training in fire-fighting, one of whom was deputed fo r a full term course of three months.

## AMBULANCE SERVICE

**Calls.**—The total number of calls within the limits of Greater Bombay received during the year was 1,360 for accidents, 2,053 fo r maternity and 3,311 for hire cases, removing in all 6,640 persons as against 1,442, 1,824 and 3,268 respectively, removing in all 6,394 persons during the preceding year. First aid was rendered to injured persons by Ambulance Service on 117 occasions.

**General.**—The motor ambulances travelled a total distance of 46,790 miles as against 47,271 miles during the previous year. The total receipts during the year on account of hire cases amounted to Rs. 18,778 including arrears of the previous year as against Rs. 18,296 during the last year.

The total cost of maintenance of the Fire Brigade establishment including that of Ambulance Service but excluding the charges of Provident Fund, Pension, proportion of general supervision and revenue, dearness allowance, new works, works from Post War Reconstruction Fund and debt charges was Rs. 7,09,277

M. G. PRADHAN,
*Chief Officer,*
*Bombay Fire Brigade*

# Appendix No. I

## BOMBAY FIRE BRIGADE

*Statement showing Distribution of Appliances etc;*

| Appliances, etc. | Stations. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Head quarters | Alex-andra Docks | Gowalia Tank | Sewree | Fort | Colaba | Shivaji Park | Worli | Dadar | Memon-wada | Mandvi | Total. |
| Motor Pumps ... | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 19 |
| Fire Tenders ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 | ... | 4 |
| Trailer Pumps ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 | ... | 5 |
| Turn Table Ladder ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| Turn Table Ladder with Pump ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Motor Emergency Tender ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Motor Car ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Motor Canteen Van ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Motor Lorries ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| Station Wagon ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Motor Jeeps ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Fire Escapes ... | 2 | 1 | 1 | 1 | 1 | 1 | ... | 1 | 1 | 2 | 1 | 12 |
| Extension Ladders ... | 4 | 1 | ... | ... | ... | ... | 1 | 1 | 1 | 3 | 1 | 12 |
| Hook Ladders ... | 5 | 2 | 2 | 2 | 2 | ... | 2 | 2 | 3 | 4 | 2 | 26 |
| Hose Reels ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | 1 | 2 | 1 | 7 |
| Sets of Breathing Apparatus... | 8 | 3 | ... | .. | ... | ... | ... | ... | ... | ... | ... | 11 |
| Sets of Gas Masks ... | 15 | 4 | 2 | 2 | 4 | 2 | 2 | 2 | 3 | 5 | 3 | 44 |
| Foam making Equipment ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Oxy-Acetylene Cutting Plant... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Portable Lighting Set ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Blower and Exhauster ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Delivery Hose in feet ... | 7,750 | 4,000 | 2,250 | 2,250 | 3,300 | 2,250 | 2,500 | 2,500 | 4,000 | 7,500 | 3,750 | 42,050 |
| **Staff** | | | | | | | | | | | | |
| **Fire Brigade** | | | | | | | | | | | | |
| Principal Officers including Chief Officer ... | 8 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 22 |
| Motor Mechanic ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Sub-Officers ... | 2 | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 5 |
| Fitters ... | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| Motor Drivers ... | 15 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 4 | 6 | 3 | 40 |
| Tindals ... | 15 | 3 | 2 | 1 | 3 | 1 | 1 | 2 | 3 | 5 | 2 | 38 |
| Firemen ... | 67 | 21 | 14 | 13 | 19 | 13 | 13 | 20 | 20 | 32 | 19 | 251 |
| Carpenters ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Mochis ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| Halalkhores ... | 3 | 1 | ... | 1 | 1 | ... | ... | ... | 1 | 1 | ... | 8 |
| **Ambulance service** | | | | | | | | | | | | |
| Ambulances ... | 2 | 2 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 7 |
| Motor Drivers ... | 3 | 2 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 8 |
| Firemen (Attendants) ... | 8 | 4 | ... | ... | ... | ... | ... | 2 | 2 | 2 | ... | 18 |
| Telephone Operators ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |

## Appendix No. II

BOMBAY FIRE BRIGADE

*Summary of calls to Fires ( including false alarms ) showing the number of times appliances of the Fire Brigade attended and were used for extinguishing fires during the year 1952-53*

| No. | Stations. | Number of fire alarms attached. | How called. | | | | | | | Appliances attended. | | | | | | Extinguished by. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Fire Brigade. | Private. | By Strangers. | By Fire Alarms. | By Exchange Telephone. | By Police or Salvage Corps. | By Private Telephones. | Total. | Motor Pumps carrying Escape or Ladder. | Trailer Fire Pumps. | Motor Turntable Ladder. | Motor Turntable Ladder with Pumps. | Motor Emergency Tender. | Fire Tender. | Buckets. | Sand. | Chemical Extincteurs. | Hand Pumps. | First Aid Appliance. | Hydrants. | Motor Pumps. | Foam Generator. | Automatic Sprinkler heads actuated. | Smoke helmets or breathing apparatus used. |
| 1 | Headquarters ... | 20 | 4 | 20 | 108 | ... | 7 | 53 | 188 | 646 | 57 | ... | ... | 38 | 184 | 8 | 3 | 3 | ... | 45 | 5 | 76 | ... | 10 | ... |
| 2 | Alexandra Docks | 17 | 1 | 3 | 20 | 23 | ... | ... | 46 | 98 | ... | ... | ... | ... | ... | 1 | 2 | ... | ... | 9 | 3 | 13 | ... | ... | 2 |
| 3 | Gowalia Tank | 27 | 3 | 5 | 74 | 44 | ... | ... | 123 | 132 | ... | ... | ... | ... | ... | 2 | 3 | 4 | 2 | 12 | 2 | 27 | ... | ... | ... |
| 4 | Sewree ... | 9 | 8 | 2 | 27 | 16 | ... | ... | 45 | 103 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | 12 | 2 | 33 | ... | 3 | ... |
| 5 | Fort ... | 17 | 5 | 17 | 51 | 52 | ... | ... | 120 | 165 | ... | 35 | ... | ... | ... | 3 | 4 | ... | 1 | 15 | 3 | 2 | ... | ... | ... |
| 6 | Colaba ... | 9 | 2 | 1 | 13 | 11 | ... | ... | 25 | 58 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 4 | ... | ... | ... | ... | ... |
| 7 | Shivaji Park ... | ... | ... | 3 | ... | 33 | ... | ... | 36 | 161 | ... | ... | ... | ... | ... | 6 | ... | ... | ... | 17 | 1 | 24 | ... | ... | ... |
| 8 | Worli ... | ... | ... | 3 | ... | 29 | ... | ... | 32 | 124 | 41 | ... | ... | ... | 13 | 1 | ... | 12 | ... | 9 | 3 | 19 | ... | 18 | ... |
| 9 | Dadar ... | 34 | 3 | 9 | 147 | 57 | ... | ... | 213 | 101 | 156 | ... | ... | ... | 137 | 9 | 3 | 2 | 1 | 23 | 3 | 32 | ... | ... | ... |
| 10 | Memonwada ... | 30 | 3 | 10 | 173 | 62 | ... | ... | 245 | 221 | 47 | ... | 197 | ... | 56 | 6 | 5 | 2 | 1 | 21 | 2 | 45 | ... | ... | 1 |
| 11 | Mandvi ... | 11 | 1 | 3 | 56 | 22 | ... | ... | 81 | 168 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | 14 | 1 | 25 | ... | ... | ... |
| | Total ... | 174 | 30 | 76 | 669 | 349 | 7 | 53 | 1154 | 1977 | 301 | 35 | 197 | 38 | 390 | 38 | 22 | 24 | 5 | 181 | 25 | 296 | ... | 31 | 3 |

## Appendix No. III

*Monthly summary of Fires and annual losses for the period from 1943-44 to 1952-53*

| Year. | April | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | March | Total. | Estimated Loss. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Rs. |
| 1943-44 | ... 34 | 69 | 27 | 18 | 38 | 18 | 39 | 34 | 53 | 47 | 48 | 48 | 473 | 36,75,006 |
| 1944-45 | ... 53 | 51 | 36 | 26 | 29 | 39 | 42 | 56 | 54 | 46 | 55 | 69 | 556 | 51,26,682 |
| 1945-46 | ... 52 | 56 | 47 | 30 | 42 | 48 | 57 | 90 | 69 | 73 | 107 | 66 | 737 | 38,33,627 |
| 1946-47 | ... 81 | 58 | 40 | 25 | 24 | 20 | 22 | 102 | 100 | 126 | 71 | 85 | 954 | 67,49,534 |
| 1947-48 | ... 47 | 67 | 51 | 47 | 45 | 42 | 61 | 65 | 70 | 69 | 71 | 68 | 703 | 55,77,988 |
| 1948-49 | ... 67 | 61 | 36 | 34 | 37 | 36 | 43 | 56 | 69 | 56 | 61 | 65 | 621 | 94,31,270 |
| 1949-50 | ... 54 | 75 | 47 | 45 | 37 | 58 | 58 | 72 | 58 | 46 | 58 | 58 | 666 | 59,31,086 |
| 1950-51 | ... 59 | 60 | 58 | 44 | 40 | 35 | 41 | 91 | 62 | 61 | 68 | 73 | 692 | 31,15,138 |
| 1951-52 | ... 56 | 64 | 45 | 39 | 39 | 51 | 51 | 57 | 46 | 78 | 50 | 58 | 634 | 59,32,416 |
| 1952-53 | ... 47 | 56 | 52 | 41 | 36 | 40 | 66 | 58 | 59 | 50 | 38 | 65 | 608 | 53,17,303 |

## Appendix No. IV

## BOMBAY FIRE BRIGADE

*Summary of occupancies involved in fires during the year* 1952-53

| Month | Dwellings | Mills and Factories | Ships | Dangerous Petroleum, liquid and non-liquid, chemicals oils, etc. | Timber Khokas Firewood, etc. | Cotton waste, cotton gunny bags etc, | Cinematograph films. | Fire Works | Miscellaneous calls, coal, tram-car, motor car, etc. | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| April 1952 ... | 11 | 2 | ... | ... | 1 | 2 | 3 | ... | 28 | 47 |
| May 1952 ... | 8 | 5 | ... | 2 | 3 | 7 | 3 | ... | 30 | 58 |
| June 1952 ... | 6 | 3 | ... | ... | ... | 1 | 3 | ... | 33 | 46 |
| July 1952 ... | 5 | 4 | ... | 3 | 1 | 1 | ... | ... | 26 | 40 |
| August 1952 ... | 5 | 2 | 1 | 2 | 1 | 1 | ... | ... | 22 | 34 |
| September 1952.. | 13 | 2 | 2 | 2 | 1 | .... | 3 | ... | 16 | 39 |
| October 1952 ... | 13 | 2 | 2 | 5 | 2 | 3 | 1 | 2 | 44 | 74 |
| November 1952.. | 41 | 4 | ... | 4 | .... | 7 | 1 | ... | 29 | 59 |
| December 1952.. | 16 | 11 | 3 | 3 | 1 | 2 | ... | ... | 19 | 55 |
| January 1953 ... | 12 | 6 | 1 | ... | ... | 2 | ... | ... | 28 | 49 |
| February 1953 ... | 3 | 7 | 3 | 1 | ... | ... | ... | ... | 25 | 39 |
| March 1953 ... | 14 | 4 | 2 | 2 | 2 | 6 | .... | ... | 34 | 64 |
| Total ... | 120 | 52 | 14 | 24 | 12 | 32 | 14 | 2 | 334 | 604 |

# Appendix No. V

## BOMBAY FIRE BRIGADE

*Brief Details of the most serious fires during the year 1952-53*

| Date | Time | Place | Business | Extinguished by | Damage | Estimated damage |
|---|---|---|---|---|---|---|
| | | | | | | Rs. |
| 30-4-1952 | 12.57 A.M. | Wadhavli Village Chembur. | Film Distributors ... | Firemen with 2 1st aid appliances. | About 1,900 reels of Cinematograph films in film containers destroyed by fire, in a ground-floor building about 40×15 feet (used as film vaults). Walls and iron doors severely damaged by fire, heat, smoke and water | 90,200 |
| 13-5-1952 | 4-00 P.M. | Ranjit Movitone Co. Dadasaheb Phalke Road. | Film Producers and Distributors. | Firemen with 2 motor pumps. | About 700 reels of 35 m.m. cinematograph films in film containers destroyed by fire in vault Nos' 5 and 6 on ground and 1st floors of a two-floored building about 40×15 feet (used as film vaults). | 2,00,200 |
| 29-5-1952 | 6-45 A.M. | Bombay-Agra Road Vikroli. | Manufacturing optical celluloid frames, metals and salts. | Firemen with 1 motor pump and Indian Naval Fire Services with 1 motor pump. | Large quantity of optical, celluloid frames, some machinery office records and furniture etc., on ground floor and hydrochloric acid, sulphuric acid, nitric acid in jars and liquor amonia, sodium sulphide etc., in bottles and laboratory equipments, office furniture etc., on first floor severely damaged by fire, heat, smoke and water in a two-floored building about 80×40 feet (used as factory, laboratory and offices). Wooden uprights, doors, walls, ceilings and iron doors of the building severely by fire, heat, smoke and water, window-panes and asbestos sheet roof, electrical installation and paint work of walls, ceilings, etc., severely damaged by fire, heat, smoke, water and breakage. | 1,00,000, |
| 9-7-1952 | 3-15 A.M. | 104, Clerk Road | Opticians ... | Firemen with 9 motor pumps and adjoining Mill employees with two hydrants. | Large quantity of celluloid, sheets, optical goods with full equipment of optical manufacturing machinery, furniture, personal effects, electrical installation, stationery, currency notes, documents, etc., severely damaged by fire, heat, smoke and water in a ground-floored R. C. C. shed, a C. I. shed and a two-floored building about 20×10, 80×10 and 80×60 feet respectively (used as optical factory and dwellings). Two-floored buildings, storage and factory sheds with doors windows, staircases, balconies, floors and roofs, etc., severely damaged by fire, heat, smoke and water. | 2,00,000 |
| 23-9-1952 | 4-51 A.M. | Plot No. 3A, Haines Road. | Film Producers and Distributors. | Firemen with 1 motor pump. | About 650 reels of cinematograph films in containers and large quantity of film waste destroyed by fire in a two-floored building about 40×20 feet (used as film vaults). Steel-doors, walls and ventilators, slightly damaged by fire, heat, smoke, water and breakage. | 1,02,000 |
| 8-12-1952 | 4-5 A.M. | Pandit Jawarharlal Nehru Road, Santa Cruz East. | Manufacturers of plastic artilces. | Firemen with 2 motor pumps. | A large quantity of plastictoys, bangles etc., and some quantity of plastic powder, dry colours, machinery spares, office records, etc., severely damaged by fire, heat smoke and water in a ground-floored building about 60×20 feet (used as factory and store-rooms). Electrical installation, doors, windows and roof tiles severely damaged by fire heat and breakage. | 80,000 |

## Appendix No. V—(*concld.*)

| Date | Time | Place | Business | Extinguished by | Damage | Estimated damaged |
|---|---|---|---|---|---|---|
| 15-12-1952 | 3-34 A.M. | 248, 248-A, 250, 246-A, Ripon Road. | (1) Paints and Allied Products.<br>(2) Bolts and Rivets manufacturing.<br>(3) Textile Engineering equipments. | Firemen with 11 motor pumps. | Large quantity of linseed oil, turpentine, paints, lithophone, Zinc-oxide etc., destroyed by fire and machinery, furniture, laboratory instruments, lathes, about 400 cwts. of machinery spare parts, wooden patterns, etc., severely damaged by fire, heat smoke and water in a C. I. Shed building about 100×80 feet (used as factory).<br>Walls, windows, roof, balcony, loft and a ground-floored C.I. shed severely damaged by fire, heat, smoke and water. | 1,25,600 |
| 18-12-1952 | 4-55 P.M. | Junction of Lamington Road and Sardar Vallabhbhai Patel Road. | Chemists, Druggists, and manufacturers of hospital equipments. | Firemen with 10 motor pumps. | Large quantity of chemicals, drugs, spirituous products in bottles, containers, carboys, etc., destroyed by fire and table fans, typewriters, tradle machine, hospital requisites, wooden boxes, shelves, etc., severely damaged by fire, heat, smoke, water and breakage in basement of a five floored building about 100×100 feet (used as drugs godown, showrooms, offices and dwellings).<br>Walls, ceiling, electric installation, ventilators severely damaged by fire, heat, smoke and water. | 1,60,000 |
| 31-12-1952 | 8-34 P.M. | 122A, 122B, 122C, Thakurdwar Road | Dyeing and Printing of cloth. | Firemen with 12 motor pumps. | Dry colour powders, small quantity of acids, large number of sarees, printing blocks, wooden furniture, etc., and some wearing apparels, bedding, house-hold utensils etc., severely damaged by fire, heat, smoke and water on ground and first floors of a two floored building about 160×30 feet (used as Dyeing and Printing Works, Brass and Aluminium godowns, place of Workship and dwellings).<br>Wooden railings, doors, windows, staircases, and large portion of roof and flooring, walls, electrical installations etc., severely damaged by fire, heat, smoke and water. | 1,49,100 |
| 26-2-1953 | 9-20 A.M. | Thokersey Jivraj Road. | Spinning and Weaving Mills. | Mills employees with 8 hydrants and firemen with 14 motor pumps. (Sprinkler heads on 1st and IInd floors actuated). | A large quantity of spinning carding and ring-frame machinery, processed goods, cotton sleeves, yarn, roving, yarn beams, loose cloth etc., severely damaged by fire, heat, smoke and water in a three-floored building about 260×120 feet (used as Spinning and Weaving Mills).<br>Doors, windows, walls, wooden floors, ceilings, roof and supports etc., severely damaged by fire, heat, smoke, water and breakage. Roof off and walls and floors collapsed.<br>Engine room, rope alleys, blow-room, boiler room, air compressor pump, winding, sizing and mixing departments, etc., in the adjoining building slightly damaged by water. | 25,00,000 |

# Appendix No. VI

*Summary of lives lost at fires during the year 1952-53 including persons who succumbed to the injuries received :—*

| Date | Time | Place | Remarks |
|---|---|---|---|
| 4-4-1952 | 6-56 P.M. | 164, Shivaji Park Road No. 2 ... | Bai Banubai H. Halia, aged 30 years, burned to death before arrival of Brigade. Body handed over to Police. |
| 12-4-1952 | 6-14 P.M. | Musafarkhana Road ... | Bai Rashidanbi Abdul Khalik, aged 16 years, severely burned all over body. Removed to hospital by public before arrival of Brigade (since dead). |
| 19-4-1952 | 8-38 A.M. | Govindji Keni Cross Road, Ahmed Sailor Building No. 8. | Bai Shantabai Ramchandra Dewal, aged about 30 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (Since dead). |
| 15-5-1952 | 9-22 P.M. | Jyotiba Phule Road ... | Bai Yeshodabai Laxman Warang aged about 25 years, burned to death before arrival of Brigade. Body handed over to Police. |
| 21-5-1952 | 5-33 P.M. | Kambekar Street ... | Abdulla Abdul Rehman, aged 22 years, severely burned all over body. First aid rendered by Brigade and taken to hospital by private motor ambulance (Since dead). |
| 27-5-1952 | 5-9 P.M. | Colaba Causeway Road ... | Bai Kashibai Bachu Chowan aged 20 years severely burned all over body Removed to hospital by strangers before arrival of Brigade (Since dead). |
| 5-7-1952 | 5-35 P.M. | 111, St. Mary Road ... | Ganpat Rama Jadhav, aged 30 years, severely burned all over body. Removed to hospital by strangers before arrival of Brigade (Since dead). |
| 9-7-1952 | 3-15 A.M. | 104, Clerk Road ... | Premchand Dipchand Gehi, aged about 5 years, burned to death. Body handed over to Police. |
| 7-8-1952 | 9-43 P.M. | 15-17 Manohardas Lane ... | Shivji Dosa, aged 65 years, burned to death before arrival of the Brigade Body handed over to Police. |
| 16-8-1952 | 7-29 P.M. | 74, Old Hanuman Lane, 1st Cross Lane. | Bai Muktabai Deochand, aged 17 years, severely burned all over body. First Aid rendered by Brigade and was removed to hospital in Brigade Ambulance (Since dead). |
| 25-8-1952 | 10-9 A.M. | 64E, Old Hanuman Lane ... | Bai Kalavatibai Hargovindas Joshi, aged 24 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (Since dead). |
| 7-9-1952 | 1-35 P.M. | 9C, Tulsiwadi, off Tardeo Road | Bai Sushilabai Ramesh Khanvilkar, aged 22 years, burned to death before arrival of Brigade. Dead body handed over to Police. |
| 26-9-1952 | 6-14 P.M. | 120, Suparibaug Road ... | Bai Premabai Vishwanath Masurkar aged 15 years, severely burned all over the body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 27-9-1952 | 10-49 A.M. | Robsch Street ... | Abdul Gafoor Bena, aged 35 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulnace (since dead). |
| 28-9-1952 | 5-18 P.M. | Daryasthan Street ... | Bai Prabhabai Jayantilal aged 20 years severely burned all over the body First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead).) |
| 15-10-1952 | 12-14 P.M. | 270-272, Girgaon Road ... | Shashikant Khanderoa Ranashinge, aged 16 years, severely burned on chest, hands and legs. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 29-10-1952 | 7-37 P.M. | Wadi Bunder Road ... | Dudha Bhuwan, aged 22 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead).) |
| 26-11-1952 | 2-54 P.M. | 120, Suparibaug Road ... | Bai Vithabai Ganesh Tawte aged 17 years, severely burned all over body First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 6-12-1952 | 10-48 A.M | 7, Nikhadwari Lane, Girgaum ... | Bai Godawaribai Morarji, aged about 28 years, burned to death before arrival of Brigade. Body handed over to Police. |
| 16-12-1952 | 3-51 P.M. | 9, Bora Street Cross Lane ... | Bai Jayabai Shantilal Samat, aged about 22 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Detained for treatment (since dead). |
| 18-12-1952 | 1-15 A.M. | 10th 1st Parsiwada ... | Bai Santokbai Odhavji, aged about 60 years, severely burned on hands and breast. Fist aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 23-1-1953 | 10-43 A.M. | 8 to 8D, 1 to 1E, Junction of Chhabildas Road and Library Road. | Bai Virmatibai Maganlal Mitra, aged 35 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead). |
| 30-1-1953 | 7-14 P.M. | 664, Sewree Cross Road ... | Bai Hawabai Husein, aged about 45 years, burned to death before arrival of Brigade. Body handed over to Police. |
| 9-3-1953 | 7-53 A.M. | 18, Mangesh Shenoy Street ... | Bai Shantabai Harilal, aged 27 years, burned to death before arrival of Brigade. Body handed over to Police. |
| 12-3-1953 | 10-52 P.M. | 56, Ridge Road ... | Rampyari Hanumant, aged 16 years severely burned on hands, legs and chest. 1st aid rendered by Brigade and removed to hospital in Brigade ambulance (since dead). |
| 20-3-1953 | 2-29 P.M. | Scheme No. 60, Road No. 9, Naigaon. | Bai Laxmibai Sadashiv Pawar, aged 18 years, severely burned all over body First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 21-3-1953 | 2-18 P.M. | 443, Grant Road ... | Bai Padmavatibai Vishnu Ranade, aged 25 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance (since dead). |
| 24-3-1953 | 2-15 P.M. | 15C, Shankar Bari Lane, off Girgaum Road. | Bai Bhanubai Chimanlal Purshottam, aged about 23 years, burned to death before arrival of Brigade. Body handed over to Police. |

# SUPERINTENDENT OF GARDENS

During the year under report, D. I. Ahmadi, continued to be in charge of the Garden Department except from 26th December 1952 to 3rd January 1953 when J. N. Barowa, Assistant Superintendent (Zoological) was in charge of the Superintendent's duties in addition to his own.

**Sites.**

2. In addition to 90 sites consisting of 19 gardens, 4 fountains, 3 band-stands, 7 traffic islands, 4 open spaces, 49 recreation grounds, 1 statue, 3 box hedges and trees on the roads in the city that were in charge of this department, a new site, which is known as playground opposite the Bombay Young Men's Christian Association, Proctor Branch, and one more box hedge at Mahim Causeway were taken over by this department during the year.

**Average Visitors.**

3. The number of visitors to the Victoria Gardens increased this year to 55,12,299 as against 32,83,277 in the year 1951-52. The appreciable increase in the visitors is due to the addition of several new varieties of birds and animals, daily radio music programmes, several amenities introduced in the children's corner and the addition of the Rhinoceros to the Zoo. This shows an average of 15,102 visitors per day during the year under report.

4. Two low lying plots in the Victoria Gardens, admeasuring about 3,000 square yards were raised and lawn and flower beds were planted thereon.

5. As usual, botanical specimens were supplied to the educational institutions in the State. The Grow More Food Campaign was discontinued this year.

**Music Programmes.**

6. During the year under report, 27 Band programmes, 30 programmes of Indian Vocal Music, 22 programmes of Orchestra music by N. S. D. Industrial Home for the Blind and Municipal Welfare Centre and 234 programmes of recorded music were arranged. In addition to this, Music broadcast by the All-India Radio was relayed every day in Victoria Gardens between 5 P.M. and 7-30 P.M., for the entertainment of the visitors through the radio set installed during the year and this amenity was highly appreciated by the visitors. A set of additional radiogram equipment was also purchased during the year at a cost of Rs. 2,206 with the object of providing musical amenities to the public on an increased scale. New cabins were provided at Nardulla Park and the garden at Sion at a cost of about Rs. 1,500 to relay radiogram music. More such cabins would be provided in the near future as and when funds permit, especially, in the labour area where there is greater need for such amenities.

**Amenities.**

7. Directed Children's Centres under the supervision of the Bombay Presidency Women's Council, were run during the year under report, in the Children's corner in front of the Garden Superintendent's Office, which attracted a large number of children. Play apparata were provided at (1) the Recreation Ground at Aimai Merwanji Street at Parel, (2) Nardulla Park at the junction of Sayani Road, Cadell Road and Khedgalli, (3) the Children's recreation ground at the junction of Tulsi Pipe Line Road and Fergusson Road and (4) the recreation ground at Hamalwadi. Special repairs and New Works at a cost of Rs. 18,047 were carried out at the Victoria Gardens and other public gardens.

8. Directed play centres at (1) the Mastan Tank Playground, (2) the Wellingdon Memorial Playground and (3) the Club Back Road Playground run in co-operation with the Young Men's Christian Association, continued to be popular as before and 10 Volley Ball and Basket Ball tournaments were arranged at these centres for the local teams participating in such games. The play Centre at 2nd Peerkhan Street, which was resumed during the last year under the supervision of Nagpada neighbourhood House, proved to be very popular.

9. Altogether 1,347 trees were planted during the year on the newly constructed roads, some in the gardens and some to replace casualties.

10. During the year under report the live stock in the Zoo section increased by 26 per cent.

**Live Stock in the Zoo.**

*Increase.*—1,341 Mammals, 59 birds and 29 reptiles were born; 160 mammals, 106 birds and 21 reptiles were received as presents; 110 mammals, 78 birds and 12 reptiles were purchased; and 18 mammals, 66 birds and 1 reptile were obtained by exchange.

**Sale and Exchange.**

*Decrease.*—231 Mammals, 158 birds and 49 reptiles died; 979 mammals, 49 birds and 1 reptile were sold; 16 mammals, 32 birds and 4 reptiles were given in exchange.

*Births.*—Breeding of the Zoo animals during the year was highly satisfactory. Important births to be noted were: 12 Dingo pups, 1 Kangaroo, 2 mouse deer and 17 green tree snakes.

Unfortunately due to the illness of the mother ostrich no ostrich could be hatched.

**Gift.**

11. Important acquisition during the year were a Hullock Gibbon presented by Shri Peter Rhiner and 1 King Hornbill purchased.

12. Maintenance of the laboratory animals in the Victoria Gardens for medical research purposes proved highly satisfactory. Being encourged by the results, the Dean, G. S. M. College intends to expand this section in the Victoria Gardens to meet the increased demand for these animals for new research work undertaken by the various departments of the Municipal Medical Colleges.

**Medical treatment.**

13. During the year under report 314 wild animals and birds, etc., were treated in the Zoo hospital and 32 specimens of patho-bacteriological interest were examined at the Bombay Veterinary College Laboratory, free of charge. We are grateful to the Principal, Bombay Veterinary College, for his very willing help and co-operation in the diagnosis of diseases through his laboratory investigations.

14. Some important discoveries of parasitic infestation of the pythons and the Rhino were made, and these are still under investigation. These discoveries created great interest amongst international workers also. Our Zoo hospital is of a very primitive type. Although many improvements have been introduced to keep pace with modern scientific advances, it has yet to be properly equipped with a suitable laboratory and a special whole time worker engaged for this purpose.

**Discoveries.**

15. The various schemes for the improvement of the present Zoo and also for starting a bigger zoo garden in the suburbs were still under consideration.

**Bigger Zoo Garden.**

16. The main source of income of any Zoo garden in the entrance fee that can practically make it self-supporting. The question of charging an entrance fee deserves serious consideration not only in view of the present financial condition but also in order to keep out the mischief makers and vandals.

**Entrance Fee.**

17. Realisations from Camel and Elephant rides amounted to Rs. 5,108-9-0 as against Rs. 5,338-8-0 in the previous year. The decrease is due to the restricted use of the old elephant. Rs. 1,829-4-0 were realized from the levy on photo-cameras as against Rs. 1,802 during the previous year and an amount of Rs. 2,049-3-6 was realized from the sale proceeds of descriptive Rhino leaflets introduced during the year in the month of August 1952,

**Income.**

18. The total expenditure of the Garden department during the year under report was Rs. 4,79,125-13-0 and income by sale of flowers and plants, etc., was Rs. 25,356-12-9 as against the expenditure of Rs. 6,01,672 and income of Rs. 19,683-2-3 during the previous year.

**Expenditure.**

D. I. AHMADI,

*Superintendent of Gardens.*

LIST OF ANIMALS IN THE ZOOLOGICAL SECTION OF THE VICTORIA GARDENS ON 31-3-1953.

| | Nos. | Remarks. |
|---|---|---|
| *A.—Carnivorous Animals.* | | |
| (1) Lion | 3 | |
| (2) Tiger | 2 | |
| (3) Leopard | 4 | |
| (4) ,, Black | 1 | |
| (5) ,, Hunting | 1 | |
| (6) Hyaena striped | 6 | |
| (7) Jackal | 3 | |
| (8) Alsolf | 1 | |
| (9) Alsatian dog | 2 | |
| (10) Shee dog (Indian) | 1 | |
| (11) Alsatian dog ( cross) | 2 | |
| (12) Local Dog | 3 | |
| (13) Dingo | 9 | |
| (14) Fox | 1 | |
| (15) Bear, Sloth | 2 | |
| (16) ,, Himalayan | 1 | |
| (17) ,, Brown | 1 | |
| (18) ,, ,, European | 2 | |
| (19) Civet, Lesser (Malbar) | 3 | |
| (20) Mongoose | 5 | |
| (21) Ratel (Indian) | 1 | |
| (22) Otter | 1 | |
| 23) Cat, local | 3 | |
| | 58 | |
| *B.—Insectivorous.* | | |
| (1) Hedge Hog | 4 | |
| *C.—Herbivorous Animals.* | | |
| (1) Elephant | 2 | |
| (2) Camel | 2 | |
| (3) Giraffe | 1 | |
| (4) Gour | 1 | |
| (5) Rhino | 1 | |
| (6) Zebra, Chapman's | 2 | |
| (7) Deer, Sambhar | 2 | |
| (8) ,, Spotted | 17 | |
| (9) ,, Rib faced | 5 | |
| (10) ,, Fallow | 8 | |
| (11) ,, Mouse | 4 | |
| (12) Antelope, Indian | 5 | |
| (13) Antelope, 4 horned | 8 | |
| (14) Gazelle, Indian | 2 | |
| (15) Gnu | 1 | |
| (16) Barbary sheep | 1 | |
| (17) Fat tailed sheep | 3 | |
| (18) Blue Bull | 7 | |
| (19) Wild Boar | 2 | |
| (20) English Boar | 1 | |
| | 75 | |
| *D.—Marsupial animals.* | | |
| (1) Kangaroo | 2 | |
| (2) Wallaby | 2 | |
| | 4 | |
| *E.—Rodents.* | | |
| (1) Guinea pig | 111 | |
| (2) Wild Hare | 6 | |
| (3) Rabbit | 53 | |
| (4) Porcupine | 1 | |
| (5) Ratt White | 24 | |
| (6) Mice, White | 267 | |
| | 462 | |
| *F.—Primates or Monkey Tribes.* | | |
| (1) Drill | 2 | |
| (2) Mandrill | 2 | |
| (3) Baboon, Arabian | 2 | |
| (4) Monkey, Langoor | 4 | |
| 5) ,, Sutimangaby | 2 | |
| (6) ,, Golden Rhesus | 3 | |
| (7) ,, Lion tailed | 4 | |
| (8) ,, Mallbrook | 2 | |
| (9) ,, Green | 2 | |
| (10) ,, Crab eating | 3 | |
| (11) ,, Rhesus | 10 | |
| (12) ,, Bonnet | 7 | |
| (13) ,, Mona | 3 | |
| (14) ,, Capucine | 2 | |
| (15) Slow or Slender Loris | 1 | |
| (16) Hullock Gibbon | 1 | |
| | 50 | |

| | No. | Remarks. |
|---|---|---|
| *G.—Birds.* | | |
| (1) Turkey Fowl | 1 | |
| (2) Guinea Fowl | 9 | |
| (3) Guinea White | 3 | |
| (4) Jungle Fowl | 17 | |
| (5) Fowl, Rhode I. S. Red | 3 | |
| (6) Fowl, white, Leghorn | 8 | |
| (7) Spur Fowl | 4 | |
| (8) Peafowl, white | 3 | |
| (9) Peafowl, Indian | 13 | |
| (10) Pheasant, Argus | 1 | |
| (11) ,, Fire back | 1 | |
| (12) ,, Cheer | 3 | |
| (13) ,, Crow | 1 | |
| (14) ,, Monal | 2 | |
| (15) ,, Koklas | 2 | |
| 16) ,, Silver | 2 | |
| (17) ,, Golden | 3 | |
| (18) ,, Amhearst | 4 | |
| (19) ,, Ring necked | 2 | |
| (20) ,, Tenebrosus | 2 | |
| (21) ,, Kaleage | 1 | |
| (22) Hornbill, Pied | 4 | |
| (23) ,, King | 1 | |
| (24) ,, Grey | 1 | |
| (25) Marsh Harrier | 2 | |
| (26) Horned owl large | 1 | |
| (27) Crow, Black and White | 1 | |
| (28) Vulture | 1 | |
| (29) Partridge (Nepal) | 3 | |
| (30) ,, Indian | 2 | |
| (31) ,, Chakore | 9 | |
| (32) ,, Black (Nepal) | 6 | |
| (33) Quail, Bush | 7 | |
| (34) Pigeon, Spotted, wood | 1 | |
| (35) ,, Jacobin | 3 | |
| (36) ,, Chinese | 14 | |
| (37) ,, Fantailed | 15 | |
| (38) ,, Common | 33 | |
| (39) ,, Mix-carrier | 4 | |
| (40) ,, Shiraji | 26 | |
| (41) ,, Nun, red | 3 | |
| (42) ,, Roshan | 4 | |
| (43) ,, Powter (Cross) | 1 | |
| (44) ,, Powter | 2 | |
| (45) ,, Basra, Homer | 8 | |
| (46) Dove, Hill | 1 | |
| (47) ,, Green | 6 | |
| (48) ,, White | 5 | |
| (49) ,, Red | 10 | |
| (50) ,, Crested (Aust) | 2 | |
| (51) ,, Big (Nepal) | 4 | |
| (52) ,, Turtle | 6 | |
| (53) Macaw, Red and Blue | 1 | |
| (54) ,, Red and Green | 1 | |
| (55) ,, Yellow and Green | 1 | |
| (56) ,, Illegers | 1 | |
| (57) Cockatoo, white Red crested | 2 | |
| (58) ,, White Lemon crested | 1 | |
| (59) ,, White Yellow crested | 2 | |
| (60) ,, Blue eyed | 1 | |
| (61) ,, Roseate | 5 | |
| (62) Parrot, Alexandrine | 3 | |
| (63) ,, Ring necked | 9 | |
| (64) ,, Blossom headed | 2 | |
| (65) ,, Rosebreast (Nepal) | 3 | |
| (66) Budgeriger | 14 | |
| (67) Grackle, Hill (Nepal) | 1 | |
| (68) Myna, Pied | 1 | |
| (69) Myna, Cochin | 1 | |
| (70) Lalmunia | 13 | |
| (71) Finch, Diamond | 67 | |
| (72) ,, Japanese | 2 | |
| (73) ,, Tiger | 11 | |
| (74) ,, Grey-singing | 1 | |
| (75) ,, Lavender | 1 | |
| (76) ,, Bicoloured | 2 | |
| (77) Nun, 3 coloured | 2 | |
| (78) Robin, Nepal | 1 | |
| (79) ,, Pekin | 7 | |
| (80) ,, Magpie | 1 | |
| (81) Weaverbird, large | 2 | |
| (82) Bulbul, Red eared | 4 | |
| (83) ,, Black crested (Nepal). | 6 | |
| (84) Sparrow, Java | 11 | |
| (85) Magpie, Blue | 2 | |
| (86) ,, Green | 1 | |
| (87) Tree pie | 2 | |
| (88) Jay, Nepal | 1 | |
| (89) Cuckoo, Indian | 6 | |
| (90) Kathi Shama | 1 | |
| (91) Pitta | 1 | |
| (92) Conure, Green | 2 | |
| (93) Waxbill, common | 1 | |
| (94) ,, Orange-cheeked | 1 | |
| (95) Oriole Black headed | 1 | |
| (96) Laughing Thrush white crested | | |

LIST OF ANIMALS IN THE ZOOLOGICAL SECTION OF THE VICTORIA GARDENS ON 31-3-1953—(concld.)

| | No. | Remarks. |
|---|---|---|
| *G.—Birds.*—(Contd.) | | |
| (97) Barbet ... ... | 1 | |
| (98) Chloropsis ... ... | 2 | |
| (99) Crane, Sarus ... ... | 6 | |
| (100) ,, Kulung (Com) ... | 1 | |
| (101) ,, Demoiselle ... | 3 | |
| | 487 | |
| *H.—Birds (Aquatic)* | | |
| (1) Pelican ... ... | 3 | |
| (2) Swan, Black ... ... | 8 | |
| (3) Goose, Red bill ... | 2 | |
| (4) ,, Indian ... | 18 | |
| (5) ,, Magpie ... | 4 | |
| (6) ,, Wild ... | 7 | |
| (7) Bargoose ... ... | 6 | |
| (8) Duck, Muscovi ... | 12 | |
| (9) ,, Common ... | 3 | |
| (10) ,, Brahmi ... | 10 | |
| (11) ,, Pintailed ... | 25 | |
| (12) ,, Comb ... | 7 | |
| (13) ,, Spot bill ... | 9 | |
| (14) ,, Cottonteal ... | 15 | |
| (15) ,, Wild spotted ... | 2 | |
| (16) ,, Whistling-teal ... | 1 | |
| (17) ,, Spoonbill ... | 4 | |
| (18) Pochard, White eye ... | 38 | |
| (19) ,, Red head | 1 | |
| (20) ,, Large and small ... | 22 | |
| (21) ,, Tufted ... | 1 | |
| (22) Diver ... | 1 | |
| (23) Seagull, Small ... | 8 | |
| | 207 | |
| *I.—Birds (Waders or semi-aquatic)* | | |
| (1) Adjutant ... ... | 4 | |
| (2) Moorhen ... | 9 | |
| (3) Stork, Black necked ... | 1 | |
| (4) ,, Painted ... | 5 | |
| (5) ,, White necked ... | 3 | |
| (6) Ibes ... ... | 5 | |
| (7) Heron, Blue ... ... | 2 | |
| (8) ,, Pond ... ... | 4 | |
| (9) Egret cattle ... | 5 | |
| (10) ,, Lesser white ... | 1 | |
| (11) Water fowl, Black ... | 4 | |
| | 43 | |

| | No | Remarks. |
|---|---|---|
| *J.—Birds (Flightless)* | | |
| (1) Emu ... ... | 2 | |
| (2) Ostrich ... ... | 5 | |
| | 7 | |
| *K.—Reptiles.* | | |
| (1) Crocodile ... ... | 4 | |
| (2) Tortoise, Giant ... ... | 5 | |
| (3) ,, Star, small ... | 12 | |
| (4) Turtle, Pond ... ... | 9 | |
| (5) ,, Mud or Ground ... | 3 | |
| (6) Lizzard (Monitor) ... | 1 | |
| (7) Python (Indian) ... | 3 | |
| (8) ,, (Malayan) ... | 1 | |
| (9) Snake, Water ... | 2 | |
| (10) ,, Rat ... | 1 | |
| (11) ,, Viper ... | 2 | |
| (12) ,, Viper, Green ... | 1 | |
| (13) ,, Cobra ... | 3 | |
| (14) Sand Boa, Black Russel ... | 2 | |
| | 49 | |
| Grand Total ... | 1,446 | |

# VICTORIA AND ALBERT MUSEUM

1. Dr. S. C. Upadhyaya held the office of the Curator, Victoria and Albert Museum, during the year under report, except for the period from 26th December 1952 to 2nd January 1953 when he attended the Annual Meeting of the Museums Association of India at Gwalior. Shri B. V. Mahajan a senior clerk in the Library Department, looked after his work during the period of his absence.

2. The number of visitors to the Museum during the year under report as compared with that in the preceding year was as under :—

| Year. | No. of days museum remained open. | Total No. of visitors. | Daily Average. |
|---|---|---|---|
| 1952-53 ... ... ... ... | 305 | 10,50,667 | 3,444 |
| 1951-52 ... ... ... ... | 299 | 9,01,228 | 3,014 |

3. The Museum remained closed on all Mondays and on 10th February 1953 due to the sad demise of the Hon'ble Shri C. S. Aiyangar and on 9 important Public Holidays. The practice of keeping the Museum open on Wednesdays, for ladies, children and parties of students was continued during the year. 15,520 Students from Primary and Secondary Schools in the City, visited the Museum with their teachers during the year as against 11,565 during the preceding year.

4. The admission to the Museum on Fridays, Sundays and Public Holidays (except Wednesdays) was restricted by tickets of ½ anna per visitor above 12 years of age. The total amount realised by sale of 2,95,467 tickets on 109 ticket days from 1st April 1952 to 31st March 1953 was Rs. 9,233-5-6 as against Rs. 8,329-11-6 realised by sale of 2,66,551 tickets on 94 ticket days during the preceding year. The amount was credited to the Special Fund, called the Victoria and Albert Museum Fund, for further improvement of the Museum.

5. Minor repairs to some models were carried out and cleaning and dusting of specimens and showcases was done as usual. 461 books from the Museum Reference Library were chemically fumigated. More glass-lables were put up in the industry section. This method of labelling is found to be both neat and clean. One show case of Taluka Development Association was entirely relaid with additional models. Shri R. A. Wadia very kindly checked the labels of Old East Indiamen and corrected them where necessary. Shri B. M. Mody also very kindly examined the agate specimens and supplied correct indentifications.

6. Reference service to scholars, Museums and business men on an average of 35 per month was rendered by the Curator with the help of specimens and the books in the Museum. Useful information was supplied to some Indian Shipping Companies for the Railway Centenary Exhibition held at New Delhi. Information regarding the working of some important departments of the Municipal Corporation of Greater Bombay was put up by respective departments in two showcases and this feature continued to interest the public during the year.

7. The Curator while at Gwalior saw the working of the Gwalior Museum and contacted Curators of prominent museums of India who had gathered at Gwalior for the Annual Meeting of the Museums Association of India.

8. 22 books were added to the Museum Reference Library out of which 3 were presented and 19 purchased at a total cost of approximately Rs. 186. 5 photographs of admirals were presented by Shri R. A. Wadia, They are exhibited in the Old Bombay Rooms.

9. 18 specimens of agate work and one bronze of Arddhanarishvara were purchased at a total cost of approximately Rs. 651.

10. The total expenditure incurred on the maintenance of the Museum was as follows :—

| | Rs. |
|---|---|
| Establishment ... ... ... ... ... | 20,175 |
| Other expenditure estimated ... ... ... ... | 8,218 |
| Total ... | 28,393 |

11. The income by sale of copies of the Victoria and Albert Museum Broachure was Rs. 406-4-0 and that from the sale of admission tickets was Rs. 9,233-5-6.

S. C. UPADHYAYA,
*Curator.*

# MUNICIPAL LIBRARIES

**Supervision and Changes.**

Dr. S. C. Upadhyaya held the office of the Chief Librarian during the year 1952-53 except for the period from 26th December 1952 to 1st January 1953 when he was deputed to attend the annual meeting of the Museums Association of India at Gwalior, during which peri d, Shri B. V. Mahajan, a Senior Clerk from the department looked after his work.

**Selection and purchase of Books.**

For the use of the different libraries, popular and interesting books in English and in local vernaculars on various subjects such as general knowledge, philosophy, religion, science, history, etc., were purchased with the help of the Books Selection Committee as under:—

| Language | 1951-52 | | 1952-53 | |
|---|---|---|---|---|
| | Books | Cost | Books | Cost |
| | | Rs. a. p. | | Rs. a. p. |
| English ... ... | 182 | 747 4 0 | 180 | 819 6 0 |
| Marathi ... ... | 238 | 525 12 0 | 60 | 165 12 0 |
| Gujarati ... ... | 116 | 271 4 0 | 131 | 253 0 0 |
| Hindi ... ... | 96 | 247 14 0 | ... | ... |
| Urdu ... ... | 89 | 246 9 0 | 150 | 334 2 0 |
| Total ... | 721 | 2,048 11 0 | 521 | 1,572 4 0 |

More books could not be purchased during the year under report not only for want of accommodation but also due to few good books being available. 4 Books in English, written by Mahatma Gandhi and others on his life and teachings were added to the stock in the Victoria Garden Library. 10 books on Library Science were added to the previous stock on the subject. So also 26 books were added to the Reference Section in the Victoria Garden Library and 15 Journals were bound and kept in the section. Hindi books were not purchased during the year under report.

**Classification and Cataloguing.**

All books purchased during the year under report, were classified, accessioned and catalogued. Title and author-cards for the same were prepared, Besides this, 3,745 Urdu Books from old stock of Bapu Khote Street Library were also accessioned and classified in the Central Register and a new Register was prepared for the library, for use of readers. The catelogue for old Urdu Books at Minara Masjid Library which was under preparation last year was completed during the year.

**Circulation of Books purchased.**

Statement below shows how the newly purchased books were circulted in the Libraries:—

| Library at | English. | Marathi. | Gujarati. | Hindi. | Urdu. | Total. |
|---|---|---|---|---|---|---|
| (1) Parel ... ... ... | 11 | 7 | 10 | ... | ... | 28 |
| 2) Gell Street ... ... | 9 | 7 | 10 | ... | 30 | 56 |
| 3) Foras Road ... ... | 10 | 7 | ... | ... | ... | 17 |
| 4) Kamathipura ... ... | 5 | ... | 12 | ... | 25 | 42 |
| 5) Chikhalwadi ... ... | 10 | 7 | 10 | ... | ... | 27 |
| (6) Minara Masjid ... ... | 10 | ... | 16 | ... | 25 | 51 |
| 7) Null Bazar ... ... | 9 | 7 | 10 | ... | ... | 26 |
| (8) Bapu Khote Street ... ... | 11 | ... | 10 | ... | 30 | 51 |
| 9) Naviwadi ... ... | 10 | 7 | 10 | ... | ... | 27 |
| 10) Circulating ... ... | ... | ... | 13 | ... | 20 | 33 |
| 11) Teli Mohalla ... ... | 10 | ... | 10 | ... | 20 | 40 |
| 12) Mandvi ... ... | 9 | 6 | ... | ... | ... | 15 |
| (13) Gokhale Road ... ... | 10 | 6 | 10 | ... | ... | 26 |
| (14) Victoria Garden ... ... | 11 | 6 | 10 | ... | ... | 27 |
| *(1) Books on Library Science ... | 10 | ... | ... | ... | ... | 10 |
| *(2) Books on Mahatma Gandhi. | 4 | ... | ... | ... | ... | 4 |
| *(3) Reference Books ... | 26 | ... | ... | ... | ... | 26 |
| *(4) Bound Journals ... | 15 | ... | ... | ... | ... | 15 |
| Total ... | 180 | 60 | 131 | ... | 150 | 521 |

* These books form a sort of nucleus for the future Central Municipal Library (North Bombay) and are at present kept in the Victoria Garden Library.

Popular leading dailies, bi-weekiles, weeklies, fortnightlies, monthlies and quarterlies in local vernaculars, besides in English, were also subscribed to. Several foreign journals such as Time, Lite, Popular Science, Readers' Digest and so on, were subscribed to for circulation in Municipal Libraries.

*Statement of Visitors; etc., to and Income and Expenditure on the Municipal Free Reading Rooms and Libraries during the year ending 31st March 1953.*

**Comparative statement of visitors etc.**

| Library at | No. of Visitors | Books Issued | | New Depositors | No. of Refunds passed. | No. of Periodicals allotted | | | | | Income about | Expenditure about |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | On deposits | Without deposits | | | Dailies | Bi-Weeklies | Weeklies | Fortnightlies | Monthlies | Quarterlies | | |
| | | | | | | | | | | | | Rs. a. p. | Rs. |
| Parel Library ... | 38,792 | 2,951 | 1,013 | 82 | 83 | 9 | 1 | 7 | 2 | 16 | 1 | 89-6-0 | 1,033* |
| Gell Street ... | 21,035 | 1,835 | 3,614 | 108 | 107 | 10 | 2 | 7 | 2 | 16 | 1 | 54-9-0 | 1,018* |
| Foras Road ... | 17,413 | 1,413 | 1,974 | 22 | 25 | 8 | 1 | 6 | 2 | 16 | 1 | 14-6-0 | 612 |
| Kamathipura ... | 19,469 | 818 | 1,578 | 17 | 16 | 9 | 1 | 4 | 1 | 10 | 1 | 0-13-0 | 1,062* |
| Chikhalwadi ... | 27,537 | 1,948 | 881 | 33 | 40 | 10 | 1 | 3 | 2 | 16 | 1 | 6-0-0 | 554 |
| Minara Masjid ... | 15,091 | 655 | 125 | 13 | 19 | 9 | 1 | 4 | 1 | 11 | 1 | 10-0-0 | 1,431* |
| Null Bazar ... | 19,172 | 2,528 | 1,239 | 31 | 40 | 7 | 1 | 6 | 2 | 14 | 1 | 38-3-0 | 461 |
| Bapu Khote Street ... | 23,089 | 1,671 | 365 | 31 | 18 | 9 | 1 | 3 | 1 | 11 | 1 | 14-4-0 | 1,311* |
| Naviwadi ... | 11,958 | 3,742 | 1,983 | 35 | 30 | 4 | ... | 5 | 3 | 12 | 1 | 8-4-0 | 1,200* |
| Circulating ... | 1,311 | ... | 1,311 | ... | ... | ... | ... | ... | ... | 4 | 1 | 48-4-0 | 32 |
| Teli Mohalla ... | 21,456 | 309 | 812 | 15 | 5 | 8 | 1 | 5 | 1 | 10 | 1 | 10-0-0 | 613 |
| Mandvi ... | 10,074 | 1,268 | 461 | 27 | 16 | 7 | 1 | 4 | 2 | 16 | 1 | 20-0-0 | 363 |
| Gokhale Road ... | 17,716 | 807 | 439 | 30 | 32 | 8 | 1 | 6 | 2 | 15 | 1 | 54-2-0 | 720* |
| Victoria Garden ... | 5,284 | 387 | 525 | 11 | 15 | 7 | 1 | 7 | 2 | 15 | 1 | 12-0-0 | 409 |
| Total ... | 2,49,397 | 20,332 | 16,320 | 457 | 446 | ... | ... | ... | ... | ... | ... | 380-3-0 | 10,819 |
| C.L.'s office ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,510-9-0 | 37,184 |
| Totals 1952-53 ... | 2,49,397 | 20,332 | 16,320 | 457 | 446 | ... | ... | ... | ... | ... | ... | 1,890-12-0 | 48,003 |
| 1951-52 ... | 2,66,384 | 22,782 | 21,428 | 465 | 419 | ... | ... | ... | ... | ... | ... | 1,525-1-0 | 42,077 |
| 1950-51 ... | 2,91,978 | 25,545 | 20,793 | 557 | 460 | ... | ... | ... | ... | ... | ... | 1,356-0-0 | 44,611 |
| 1949-50 ... | 2,61,622 | 25,752 | 21,107 | 645 | 551 | ... | ... | ... | ... | ... | ... | 604-13-6 | 30,810 |
| 1948-49 ... | 2,91,918 | 26,062 | 20,814 | 559 | 471 | ... | ... | ... | ... | ... | ... | 20-8-0 | 31,851 |

* (Including Rent).

**Income and Expenditure.**

The total expenditure during the year under report, in running the 14 libraries was Rs. 48,003 and the income derived by way of sale of old newspapesrs, and fines from depositors, etc., came to Rs. 1,890-12-0 as against Rs. 42,077 and Rs. 1,525 respectively, during the previous year.

S. G. UPADHYAYA,

*Chief Librarian.*

# CENTRAL STORES

1. During the year Shri F. D'Souza, continued to hold the post of the Controller of Stores.

**Tenders and contracts.**

2. Tenders were invited for the purchase of stores during the year under report in 169 cases as against 157 in preceding year. The number of contracts for the various schedule articles entered into during the year was 141 as against 143 in the preceding year. Several of the tenders and quotations were rejected due to high rates quoted by the tenderers.

3. During the year about 10,674 tons of cement worth about Rs.11.08 lakhs, 3,81,580 R.ft. of Black and Galvanized Iron Pipes worth about Rs. 3.67 lakhs, 1,13,326 R. ft. of Cast Iron and Hume, Pipes worth about Rs. 8.96 lakhs, 1,541 tons of iron materials worth about Rs. 7.09 lakhs, and 3,19,372 yards cloth worth about Rs. 3.85 lakhs and 7,860 Bengal Maunds of grain for the Head Supervisor and Superintendent of Gardens, worth about Rs. 1,46,041 were purchased. Most of the materials were controlled articles which could only be acquired under licences granted by the various Government Departments.

**Stores**

4. The value of stores and other materials purchased during the year including articles received from other departments on Return Stores Mema amounted to Rs. 68.30 lakhs as against Rs. 59.15 lakhs in the preceding year. This increase was mainly due to purchase of Galvanized Iron Pipes, Iron materials, cement, and cloth etc., from the Contractors and the Government during the period under report.

4A. Purchases of articles by direct debits to departmental grants amounting to Rs. 2,38,386 were effected during the year under report.

5. Most of the articles purchased during the year under report were of Indian manufacture and the value thereof amounted to about Rs. 63.28 lakhs. The value of the foreign goods purchased amounted to about Rs. 5.02 lakhs.

6. 5,279 orders for the purchase of stores were placed with the contractors and other dealers as against 5,311 in 1951-52 and 5,440 in 1950-51.

7. 44,418 indents and Sales Mema were received from the departments as against 46,061 in the preceding year.

8. Indented articles which were not in stock or for which no contracts had been entered into were secured from the market by invitation of quotations or tenders by public advertisement except in a few cases wherein direct purchases were made from the market, as such a course was found to be more economical and expeditious. The total number of casual or market enquiries or quotations invited was 606 as against 950 in the preceding year.

9. As in the previous years, no dust bins were supplied to the public.

10. Articles received from the contractors and others were examined and compared with the approved samples before acceptance and where the articles supplied differed from the samples, they were rejected and got replaced.

**Sale of unserviceable articles.**

11. Mixed scrap received from different departments was sold by public auction and cast iron scrap was retained being under control and had to be reserved for new foundry at the Municipal Workshop. Brass and other non-ferrous scraps were also reserved for the Municipal foundry. The total amount realised by the sale of unserviceable articles including mixed scrap by public auction during the year amounted to Rs. 34,106-12-0 as against Rs. 49,115-2-0 in the preceding year.

12. The total turn-over of the department, *viz.*, the Receipts and Issues of stores during the year came to Rs. 125 lakhs as against Rs. 114.35 lakhs in the preceding year.

13. The stock of stores on hand was verified departmentally and through the Municipal Stock Verifier The departmental verification and that by the Municipal Stock Verifier showed no appreciable difference during the year.

**General.**

14. General market conditions continued to affect the department to a certain extent as before. The annual tenders for the supply of the materials during the year 1953-54 according to the various schedules were invited in the months of November and December 1952. Whenever tendered rates were high it was decided to reject such tenders even though such a course increased the work of this department enormously. It will not be out of place to mention that this year, on re-inviting the tenders for the supply of Paint, Moist, White Zinc, during 1953-54, there will be a saving of nearly Rs. 33,910.

The value of stores on hand at the close of the year was Rs. 38.49 lakhs as against Rs. 26.88 lahks in the preceding year.

15. Apart from the scarcity of materials and the cancellation of schedules due to high rates, the various control orders of the Provincial and Central Government prohibiting the acquisition of materials except in conformity with licences or permits issued by them aggravated the difficulties of the department and increased the work enormously. Quantities of cement, piping steel and cloth etc. were puchased considerably in excess than those purchased last year. The purchase of each of these articles involved considerable labour and time. There were many difficulties in obtaining early permits and taking deliveries, etc., distribution of these items amongst various departments also involved a good deal of work. The distribution of cement amongst contractors and various consuming departments presented special difficulties in view of the fact that the supply of cement was not steady and continuous. However, the department was able to meet these difficulties.

16. This department is under reorganization by Messrs. Ibcon Ltd. and the various suggestions made by them are being given effect to from time to time. According to their recommendation, the potential reduction of staff proposed was 32 per cent. of which a reduction of about 7 per cent. is already given effect to, during the year under report and further recommendations made by them are being implemented by and by. The staff reduced have been absorbed in leave vacancies and also in the posts fell vacant due to retirements.

17. Statements showing (*a*) the stores transactions during the year as required by Clause XXIX of the Stores Audit Manual (Appendix 'O') and (*b*) the details of the stock on hand at the close of the year are appended.

-F. D'SOUZA,

*Controller of Stores.*

# APPENDIX 'O'

*Statement 'A' showing Stores Transactions during the year 1952-53.*

| Particulars. | Capital Stores (N.S.) | Capital Stores (O.S.) | Total of Capital Stores (2+3). | General Stores. | Line Suspense Account. | Total (4+5+6). |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Value of stores on hand on 1st April 1952. | 7,92,413 5 7 | 9,58,730 11 7 | 17,51,144 1 2 | 8,60,889 8 4 | 75,605 13 0 | 26,87,639 6 6 |
| Value of stores Receipts including transfers during 1952-53. | 12,09,071 4 9 | 25,79,875 7 9 | 37,88,946 12 6 | 30,40,845 12 9 | 513 7 0 | 68,30,306 0 3 |
| Total ... | 20,01,484 10 4 | 35,38,606 3 4 | 55,40,090 13 8 | 39,01,735 5 1 | 76,119 4 0 | 95,17,945 6 9 |
| *Less—* | | | | | | |
| Value of stores issued including transfers during 1952-53. | 7,29,398 5 6 | 21,31,483 1 0 | 28,60,881 6 6 | 28,08,398 4 11 | 37 11 0 | 56,69,317 6 5 |
| Balance on 1st April 1953. | 12,72,086 4 10 | 14,07,123 2 4 | 26,79,209 7 2 | 10,93 337 0 2 | 76,081 9 0 | 38,48,628 0 4 |

## APPENDIX 'O'

*Statement 'B' showing the details of stock held on 31st March 1952 and 1953.*

| Particulars. | 1952. | 1953. |
|---|---|---|
| *Capital Account* | Rs. a. p. | Rs. a. p. |
| (1) Cement (including rapid hardening) ... | 40,117 9 0 | 6,684 13 0 |
| (2) Pipes, Manholes, Hydrants, Water and Drainage castings, etc. ... | 6,96,164 11 7 | 12,08,983 6 4 |
| (3) Mild Steel round Bars, Flats, Squares, Plates, etc., G. I. and Black Sheets ... | 5,18,246 10 6 | 8,81,093 0 1 |
| (4) Pipes, Stoneware and Hume ... | 41,241 0 0 | 11,923 5 0 |
| (5) Galvanized and Black Pipes and Fittings ... | 2,89,287 4 11 | 4,15,933 12 9 |
| (6) Lead Pipes, Lead Pig and Lead Wool ... | 1,22,694 10 0 | 1,20,656 12 0 |
| (7) Asbestos Sheets and Pipes ... | 43,392 3 2 | 33,934 6 0 |
| *Line Suspense Account* | | |
| (8) Water Works Castings on the Line ... | 75,605 13 0 | 76,081 9 0 |
| *General Account* | | |
| (9) Spindle Brass and Brass Fittings ... | 46,451 8 0 | 38,721 14 0 |
| (10) Meter Parts ... | 36,876 15 9 | 28,939 6 3 |
| (11) Bolts, Nuts, Rivets, Nails, Hinges, Hooks, Eyes, Washers and Hardware ... | 32,748 3 6 | 30,016 11 6 |
| (12) Brooms, Goa and Date and Brushes ... | 3,863 12 0 | 20,375 13 6 |
| (13) Cable and Wire ... | 43,320 0 0 | 57,638 7 0 |
| (14) Electric Accessories, Fans, Bulbs, Electrodes, Dry cells, etc. ... | 43,685 0 3 | 53,227 15 9 |
| (15) Files and Rasps ... | 1,363 11 0 | 1,214 14 0 |
| (16) Motor, spare parts ... | 10,221 7 0 | 14,433 9 0 |
| (17) Oil, Castor, Cocoanut, Sweet, Kerosene, Grease and Lubricating, etc. ... | 14,329 4 3 | 35,751 1 3 |
| (18) Timber, Ladder, Shafts, Bhendi wood Nowghani Poles, Plywood sheets etc. ... | 29,440 1 0 | 20,053 14 0 |
| (19) Clothing ... | 2,26,111 15 6 | 2,81,944 2 10 |
| (20) Disinfectants, Tropical Chloride of Lime, Cleaning Powder, Cynogas, etc. ... | 20,140 15 0 | 7,926 0 0 |
| (21) Motor Tyres, Tubes, including tyers from disposal ... | 57,944 3 0 | 25,999 13 2 |
| (22) Tool, Machinery, Foot rules, Spanners, Drills, Saws, Auger screws, etc. ... | 13,413 6 0 | 23,981 8 0 |
| (23) Soap and Soda ... | 7,793 5 0 | 10,283 9 0 |
| (24) Basket, Cane, Bamboo and wooden ... | 4,264 14 0 | 5,315 15 0 |
| (25) Buckets, Dust Bins, Ghamells, enamelware, Glassware, Tinware, Huricane Lanterns etc. ... | 48,557 12 3 | 54,311 9 7 |
| (26) Hose-Rubber, Belting-canvas, Paulin Covers, Oil cloth, etc. ... | 74,759 6 4 | 1,79,201 10 4 |
| (27) Firewood, Gas Coke, Steam Coal, Coal-tar, Pitch, Charcoal, etc. ... | 969 10 0 | 1,324 2 0 |
| (28) Wires, Brass-rods, Copper Sheets, Zinc Sheets, etc. ... | 7,835 13 0 | 17,046 14 0 |
| (29) Leather Hides, Chamois, Chappals, Plunger, Boots and other Leather articles ... | 12,166 8 0 | 11,139 1 0 |
| (30) Coir goods, cotton goods, Yarn Spun, Waste Cotton, Packing Asbestos, etc. ... | 22,959 14 0 | 45,178 14 9 |
| (31) Crusher Parts ... | 2,211 11 0 | 2,211 11 0 |
| (32) Paints, Powders, Linseed Oil and Terpentine ... | 74,828 1 0 | 91,895 1 0 |
| (33) Locks of sorts ... | 2 018 13 0 | 3,011 5 0 |
| (34) Miscellaneous (Polish, Candle, Glue, Gum, Tiles, Powrashs etc.) ... | 22,613 6 6 | 32,192 1 3 |
| Total ... | 26,87,639 6 6 | 38,48,628 0 4 |

F. D'SOUZA,
Controller of Stores..

# LICENCE DEPARTMENT

Shri A. H. K. Shaikh, B.A., who held the post of the Superintendent of Licences, continued to be on deputation to Government as Electoral Officer upto 30th April 1952 and then proceeded on leave from 1st May 1952. He resumed duty as Dy. Municipal Commissioner (Suburbs) on 11th June 1952.

Dr. G. R. Pradhan, B.A., Ph.D., continued to act in the said post upto the end of the year.

This department consists of three Sections, *viz.*, (1) Licensing, (2) Advertisement, and (3) Removal of Encroachments. The total income received from fees etc., in respect of the above during the year 1952-53 was as uhder :—

| | Rs. |
|---|---|
| (1) Licensing .. .. .. .. .. | 10,25,340 |
| (2) Advertisement .. .. .. .. .. | 2,91,400 |
| (3) Removal of Encroachments .. .. .. .. | 5,71,970 |
| Total .. | 18,88,710 |

## Licence Section.

2. *Licences under Sections 394 and 412-A and permits under Sections 390 and 393 of the Municipal Act.*—The total number of licences and permits issued under these Sections during the year was 34,220 and the fees realised therefrom amounted to Rs. 10,16,990. A comparative statement of the number of licences issued and the fees realised during the year and the preceding two years is shown below :—

| Particulars. | Number of permits and licences. | | | Amount of fees recovered. | | |
|---|---|---|---|---|---|---|
| | 1950-51 | 1951-52 | 1952-53 | 1950-51 | 1951-52 | 1952-53 |
| | | | | Rs. | Rs. | Rs. |
| Commodities and trades (Section 394) ... | 30,554 | 31,263 | 32,633 | 9,32,555 | 9,39,874 | 9,89,946 |
| Steam whistle blowing (Section 393) ... | 41 | 35 | 44 | 820 | 710 | 880 |
| Milk Products, Ghee and Butter (Section 412A) ... | 1,249 | 1,390 | 1,378 | 8,488 | 8,969 | 8,889 |
| Factories (Section 390) ... | 271 | 144 | 165 | 38,142 | 18,000 | 17,275 |
| Transfer of Licences (Sections 394 and 412A) ... | 1,824 | 2,073 | 2,402 | 6,289 | 7,043 | 8,178 |
| Transfer of Permits (Section 390) ... | 101 | 41 | 27 | 329 | 205 | 172 |
| Total ... | 34,040 | 34,946 | 36,649 | 9,86,623 | 9,74,801 | 10,25,340 |

3. The amount outstanding as licence fees on 31st March 1953 was Rs. 1,20,310 in respect of 1,959 Notices of Demand, as against Rs. 9,177 in respect of 274 Notices of Demand on 31st March 1952. The loss of revenue incidental to the disuse or demolition of old licensed places or the diversion of their user not entailing licences amounted to Rs. 52,028 as against Rs. 37,948 in the preceding year. Miscellaneous receipts amounted to Rs. 1,330 as against Rs. 2,360 in the preceding year.

## Advertisements

4. The total number of permits for advertisements issued during the year under Section 328 and 328A was 2,908 and the receipts therefrom amounted to Rs. 2,91,398. These figures compare favourably with that of the year 1950-51, as would be seen from the statement below :—

| Particulars. | Number of permits issued. | | | Amount fees collected. | | |
|---|---|---|---|---|---|---|
| | 1950-51 | 1951-52 | 1952-53 | 1950-51 | 1951-52 | 1952-53 |
| | | | | Rs. | Rs. | Rs. |
| Wall posters, hoardings and boards ... | 841 | 1,568 | 1,524 | 85,228 | 1,60,748 | 1,28,698 |
| Movable boards on hand-carts, etc. ... | 213 | 417 | 328 | 13,423 | 95,782 | 67,977 |
| Illuminated advertisements and sky-signs ... | 1,012 | 791 | 388 | 1,06,620 | 93,814 | 35,542 |
| Non-illuminated sky-signs and advertisements ... | 448 | 470 | 589 | 19,139 | 30,685 | 36,026 |
| Non-illuminated kiosks ... | 12 | 12 | 34 | 5,443 | 3,615 | 10,758 |
| (Number of kiosks) ... | (2,177) | (1,446) | (4,303) | ..... | ... | ... |
| Wall Paintings ... | 37 | 100 | 45 | 5,439 | 18,258 | 5,468 |
| Auctioneers ... | ... | ... | ... | ... | ... | ... |
| Space Rent ... | ... | ... | ... | ... | ... | ... |
| Composition for delayed payment ... | ... | ... | ... | 10,765 | 9,765 | 6,931 |
| Total ... | 2,563 | 3,358 | 2,908 | 2,46,057 | 4,12,658 | 2,91,400 |

The amount of fees collected during the last year was more than that collected during the year under report. This may be ascribed to the fact that more permits were issued against deposits received during previous periods.

## Hawkers

The total number of hawkers and squatter licences issued during the year was 35,985 and the fees realised therefrom amounted to Rs. 3,89,444. The removal charges recovered under Section 490 amounted to Rs. 1,82,526. The outstanding amount of licence fees from squatter licences (as on 31st March 1953) was Rs. 84,753-8-0. The loss of revenue incidental to the cancellation of Reserved Areas amounted to Rs. 3,883-2-0

| Particulars. | Number of licences issued. | | | Amount of fees collected. | | |
|---|---|---|---|---|---|---|
| | 1950-51 | 1951-52 | 1952-53 | 1950-51 | 1951-52 | 1952-53 |
| | | | | Rs. | Rs. | Rs. |
| Squatters' fees collected in Reserved Areas (under Section 313) ... | 35,198 | 34,408 | 27,640 | 3,17,056 | 3,18,491 | 3,63,507 |
| Fees received from itinerant hawkers' licences (under Section 313A) ... | 9,437 | 9,353 | 8,345 | 33,617 | 28,606 | 25,937 |
| Total ... | 44,635 | 43,761 | 35,985 | 3,50,673 | 3,47,097 | 3,89,444 |
| Recovery of expenses (under Section 490) for removal of encroachment under Section 314 ... | ... | ... | ... | 1,46,166 | 1,55,509 | 1,82,526 |
| Total ... | 44,635 | 43,761 | 35,985 | 4,96,839 | 5,02,606 | 5,71,970 |

6. The number of prosecutions launched during the year under report and the results thereof as compared with those of the preceding two years are as under :—

| Year | Offence against Section | Total number of cases instituted. | Number of cases withdrawn on compliance with law. | Number of cases which resulted in conviction. | Amount of fines inflicted. | Number of cases which resulted in acquitals. | Number of cases remaining undisposed of on 31st March of the year. |
|---|---|---|---|---|---|---|---|
| | | | | | Rs. | | |
| 1950-51 ... | 394 | 2,307 | 1,384 | 1,173 | 68,717 | 12 | 229 |
| 1951-52 ... | 494 | 2,303 | 1,189 | 949 | 78,870 | 2 | 392 |
| 1952-53 ... | 394 | 1,926 | 1,362 | 521 | 27,055 | 4 | 431 |
| 1950-51 ... | 328 and 328A | 741 | 624 | 94 | 3,586 | 1 | 296 |
| 1951-52 ... | Do. | 469 | 497 | 72 | 4,798 | ... | 196 |
| 1952-53 ... | Do. | 567 | 330 | 47 | 820 | 5 | 381 |
| 1950-51 ... | 412A | 40 | 21 | 18 | 345 | 1 | 18 |
| 1951-52 ... | Do. | 30 | 32 | 2 | 60 | ... | 14 |
| 1952-53 ... | Do. | 42 | 31 | 2 | 39 | ... | 23 |

7. *Deposits.*—The total amount received and held in deposit during the year was Rs. 4,68,660 of which the particulars are as under :—

| | | Rs. |
|---|---|---|
| Advertising | ... | 3,11,707 |
| Licensing | ... | 1,56,953 |

The total amount held in deposit (including the deposits carried forward from the previous year) on 31st March 1953 was Rs. 6,89,073.

8. *Revenue.*—The total revenue of this department during the year was Rs. 18,88,710 as against Rs. 18,92, 425 in the previous year.

G. R. PRADHAN,
*Superintendent of Licences.*

# SHOPS & ESTABLISHMENTS DEPARTMENT

*Subject*: Administration Report for the year 1952-53.

Shri S. G. Redkar, B.Sc., LL.B., continued to hold the post of Chief Inspector, Shops and Establishments during the year except for the period from 21st July 1952 to 20th January 1953, when he was promoted as the Acting Election and Town Duty Officer.

Shri V. G. Sabnis, B.E. (Mech.), acted as Chief Inspector, Shops and Establishments from 21st July 1952 to 15th October 1952.

Dr. G. R. Pradhan, B.A., Ph.D., Superintendent of Licences, looked after the work of Chief Inspector, Shops and Establishments in addition to his own, from 16th October 1952 to 20th January 1953.

**Registration.**—The total number of establishments on 31st March 1952 and 31st March 1953 under the various categories stood as under:—

| | 31-3-1952. | 31-3-1953. |
|---|---|---|
| Shops ... | 54,727 | 56,958 |
| Commercial Establishments ... | 16,432 | 16,993. |
| Residential Hotels ... | 199 | 221. |
| Restaurants and Eating Houses ... | 4,253 | 4,560. |
| Theatres, etc. ... | 71 | 73. |
| Total ... | 75,682 | 78,805 |

While submitting the annual report for the year 1951-52 on the administration of Shops and Establishments Act, 1948, to Government, a suggestion was made to them for annual registration under Section 7 but the proposal does not appear to have met with Government's approval. Government were also requested to enact a suitable amendment to Section 8 to enable the employers to notify, as well as the enforcing staff to verify the changes only once in a month or so. Government, under their Notification, Development Department, No. 1333/48, dated the 31st March 1953, accordingly amended the period for notifying the changes from 7 days to 30 days.

**Complaints.**—2,385 complaints were received during the year under report in addition to 104 pending from the preceding year. Out of these, 2,379 were investigated, leaving 110 complaints pending at the close of the year. Action was taken wherever necessary.

**Mass-raids.**—270 Mass-raids, 163 during day time, and 107 during night time, were carried out during the year with a view to enforcing the provisions of the Act more effectively.

**Visits and Revisits.**—The total number of visits paid to the different types of establishments was 67,894. of these, 50,285 were to Shops, 9,590 to Commercial Establishments, 324 to Residential Hotels, 7,538 to Restaurants and Eating Houses and the remaining 157 to Theatres, etc.

**Prosecutions.**—502 cases were pending from the preceding year and 2,888 prosecutions were instituted during the year under reference. In all 2,369 cases were disposed of, out of which 2,282 resulted in convictions, 7 were withdrawn and 80 resulted in acquittals. Out of the 80 acquittals, 77 cases resulted in acquittals as they became time-barred on the passing of the Amendment Act, 1952, which brought down the time-limit for prosecution from 6 months of the date of commission of an offence to 3 months from the date of its detection. The number of cases pending at the close of the year was 1,021. The amount of fines realised was Rs. 87,739-8-0, but in 4 cases on Appeal the Hight Court reduced the fine and a sum of Rs. 2,325 had to be refunded. The net amount of fines realised, therefore, was Rs. 85,414-8-0 giving an approximate average of Rs. 37-7-0 per case.

Under Section 17 of the Bombay Shops and Establishments (Amendment) Act, 1952, the Corporation can delegate to the Municipal Commissioner the power to sanction institution of prosecutions and under Corporation Resolution No. 1366, dated the 23rd February 1953 the power has been so delegated by the Corporation. However, when legal opinion on the correct procedure to be followed was taken, it was found that in practice it would be too cumbersome and hence the Corporation's sanction for prosecutions continued to be obtained.

**Grant-in-aid.**—Government sanctioned Grant-in-aid of Rs. 79,862-0-0 for the year 1951-52 and an amount of Rs. 15,231-14-0 was realised by way of Registration Fees, etc., during the same year. The total expenditure incurred on the administration of the Act during the same year was Rs. 2,78,374-0-0. The necessity of suitably increasing the Grant-in-aid was impressed on the Government in view of the strained finances of the Corporation and the increasing burden of the cost of administration of the Act on the Corporation. Government have, however, intimated that in view of the amendments to Sections 60 and 61, the Municipalities will be able to launch more prosecutions thereby becoming eligible for larger Grants-in-aid. It is doubtful whether prosecutions will increase for the reasons mentioned by Government; however, the position in this respect will be watched for some time. The income from Registration Fees, etc., for the year 1952-53 was Rs. 15,564-0-0 and fines realised Rs. 85,414-8-0.

**Special Features.**—An enquiry into social and economic conditions of the employees in the Hair Cutting Trade in the City was carried out and its results were incorporated in a report which has been submitted to the Corporation and Government for information.

## Theatre Tax

The administration of the Theatre Tax Section, for the purposes of recovery of the tax continued to be under the control and supervision of the Chief Inspector, Shops and Establishments. At the close of the year the strength of the staff was as follows :—

1 Senior Inspector (Both for City and Suburbs), 2 Jnior Inspectors, 1 Clerk and 2 Peons.

A Special Pay of Rs. 75 and Rs. 25 per month respectively was granted to the Chief Inspector, Shops and Establishments and one Head Clerk for supervision and accounts work during the year under report also as was done in the year 1951-52.

Corporation sanctioned the levy of Theatre Tax for the year 1952-53 at the rates shown below which were the same as for the year 1951-52 :—

| Type of Entertainment. | Maxmimum amount of Tax. |
|---|---|
| (1) Class I Cinema Theatre ... | Rs. 10 per show. |
| (2) Class II Cinema Theatre ... | Rs. 7 per show. |
| (3) Drama, Concert, Variety Entertainment or Tamasha ... | Rs. 7 per show. |
| (4) Circus, Carnival or Fete ... | Rs. 10 per day. |
| (5) Any other Entertainment ... | Rs. 7 per show or if there are no separate shows Rs. 7 per day. |

The Municipal Commissioner allowed, for the year 1952-53 also a rebate of 12½ per cent. and 20 per cent. for Class I and Class II Cinema Theatres respectively on condition that they paid the tax in advance for the full month by the 5th of the month. There were in all 22 Class I and 34 Class II Cinema Theatres in the City and the tax was paid regularly.

The tax was also recovered in respect of Dramas, Dances, Variety Entertainment programmes, etc., held at different Halls, Theatres and other places, where admission was on payment.

Exemption from payment of Theatre Tax was granted to the performances that were exempted from payment of Entertainment Duty.

The total income derived during the year 1952-53 was Rs. 6,89,366.

**Revenue.**—The total revenue of this Department during the year under report was as follows :—

| | | Rs. |
|---|---|---|
| (1) Registration Fees, etc. | ... | 15,564 |
| (2) Theatre Tax | ... | 6,89,366 |
| (3) Miscellaneous Receipts | ... | 1,632 |
| Total | ... | 7,06,562 |

S. G. REDKAR,
*Chief Inspector,*
*Shops and Establishments.*

# MARKETS AND SLAUGHTER HOUSES

Dr. J. P. Pereira, G.B.V.C., M.R.San.I. was in charge of the Department during the year.

2. The total receipts for the department amounted to Rs. 36,16,408-0-6 as against Rs. 34,12,167-10-9 in the previous year, which showed an increase of Rs. 2,04,240-5-9. This rise in the revenue was mainly due to the increase in the receipts from stallage charges, squatters fees, and increase in the realisations from Scale-Shed fees, etc.

3. There were in all 21 Municipal Markets including 3 squatters' areas. The appendix 'A', shows the number of vacant stalls, revenue, expenditure, etc., compared with that of the previous year in each market.

4. The following improvements and expansions to the Municipal markets were carried out during the year:—

(*i*) In the Erskine Road Market 78 stalls in the Fruit and Vegetable Section were repaired at a total cost of Rs. 10,167 and Expanded Metal fencing was provided to the Flower, Fish and Old and New Vegetable Sections of this Market.

(*ii*) Stone pavement was provided outside the temporary Fish Section at Parel Village Market.

(*iii*) At the Peddar Market the passage on the sides of blocks of W.C.s was concreted and a screen wall was constructed.

(*iv*) The Shahabad Stone pavement in the Fish Section and Vegetable squatters area at Fergusson Road Market was cement-pointed.

(*v*) Besides, a toilet-room was provided for the Lady Clerks in Superintendent of Market's Office at A. C. Market; Nahanis were constructed in the labourers' quarters at Fergusson Road Market; railings to the peons' quarters at Peddar Market were renewed and weather sheds were provided to the windows of the quarters.

5. The squatter areas at Sandhurst Road, Nowroji Hill Road and Parel Village were continued during the year.

6. The number of private Markets during the year was 21 including the newly opened, full-fledged Private Market at Grant Road, owned by Shri B. D. Vora and the amount of the licence fee realized from the owners of the Private Markets was Rs. 72,860-6-0.

7. During the year, there were in all 185 outside meat shops as against 186 in the preceding year and the licence fee received therefrom was Rs. 11,984-0-0 as against Rs. 12,006 in the preceding year.

8. An amount of Rs. 15,065 which was recovered at the Bandra Slaughter House as Slaugthter fee on the animals removed to Suburbs for slaughter during the period from 1st April 1951 to 31st March 1952 was refunded to Budget 'D' during the year under report. Similarly an amount of Rs. 25,379-15-0 which was recovered at the Bandra Slaughter House during the months of January, February, March and December 1952 as enhanced entrance fee was refunded to Budget 'D' during the year.

9. All the Markets and Slaughter Houses were regularly inspected and supervision exercised by the staff, with regard to the wholesomeness of articles offered for sale thereat and sanitation etc. Unwholesome articles of food, such as meat, fish, fruits, vegetables, etc., in different Markets and Slaughter Houses, together with contraband meat, etc., weighing 6,81,088 lbs. in the aggregate were destroyed. The total quantity of meat destroyed in the Markets was 2,673½ lbs. The total quantity of contraband meat seized and destroyed was 21,462½ lbs. as against 13,860 lbs. in the preceding year. In all, 181 seizures were effected and 176 prosecutions instituted, resulting in the convictions of 176 persons.

10. In all 489 raids were carried out by the special staff in different parts of the city for detecting unauthorized slaughter of animals. The fines inflicted by the Presidency Magistrates for the infringement of the provisions of the Municipal Act and Bye-laws pertaining to the Market Department amounted to Rs. 3,865.

11. The number of animals brought to the Fair Ground at the Bandra Slaughter House and the number of animals rejected as unfit on anti-mortem examination as compared with those of the previous year were as under:—

| Year. | Animals brought to the Fair Ground. | | | Animals rejected as unfit on anti-mortem Examination. | | |
|---|---|---|---|---|---|---|
| | Buffaloes. | Cows and Bullocks. | Sheep and Goats. | Buffaloes. | Cows and Bullocks. | Sheep and Goats. |
| 1952-53 ... | 5,738 | 77,962 | 13,47,703 | 119 | 803 | 8,683 |
| 1951-52 ... | 5,856 | 74,673 | 13,85,382 | 192 | 946 | 6,889 |

12. The principal causes of anti-mortem rejection were advanced stage of pregnancy, sheep-pox, foot-rot and mouth diseases or infections rendering meat unfit for human consumption.

13. In case of buffaloes, cows and bullocks, most of the rejections were due to animals being young and fit for service, either for calfing and milking or farming purposes.

14. Government Veterinary staff visited the Slaughter House daily according to the Government ordinance to inspect the horned cattles, which were to be permitted for slaughter and to mark the animals found fit for further service, as rejected and unfit for slaughter.

15. The chief causes of post-mortem condemnation were cysticerous Bovis, Liver Flukes, Abscesses, Bruises, Imaciation, Hydatid-cyst, Foot-rot and Parasitic nodular infections of liver and lungs.

16. The approximate weight of dressed meat of buffaloes, cows and bullocks was 8,064½ tons and that of sheep and goats 8,947½ tons. The quantity condemned out of the former was 20½ tons and out of the latter 14 tons which gave the percentage of 0.25 and 0.15, respectively.

17. The number of pigs and piglings brought for slaughter at the Arthur Road Slaughter House during the year was 10,466 and 451, respectively, out of which 10,202 pigs and 451 piglings were slaughtered, 71 permits were issued to import slaughtered piglings during the year.

18. Out of 229.73 tons of slaughtered pork meat, 5.95 tons of pork meat was rejected and destroyed as unfit for human consumption on account of Tuberculosis, Pregnancy, Debility, Cysticerous Celulosse Hypertrophy of Kidneys, Bruises, Abscesses, Cysts and Injuries. The percentage of pork distroyed to the total quantity was 2.59. The infection of Tuberculosis was confined to pigs only.

19. The details of the number of animals slaughtered, etc., and the fees realized are given in appendix 'C' of this report.

20. The fair ground fees at the Bandra Slaughter Houses were collected departmentally by engaging hen ecessary staff.

21. Instead of selling the right of collecting and rec eiving fees on the parcels arrived at the Scale-Shed of A. C. Market, the work of collection of fees was carried out departmentally and the revenue collected during the year under report, amounted to Rs. 4.66 lakhs as against Rs. 3.25 lakhs realized during the preceding year by sale of the right.

22. Appendix 'B' shows the amounts realised during the year under different important items of revenue together with those of the previous year.

J. P. PEREIRA,

*Superintendent of Markets and Slaughter Houses.*

## APPENDIX 'A'

*Statement showing the number of stalls occupied and vacant, and the Gross receipts and expenditure etc., in respect of the Municipal Markets and squatter areas.*

| Name of Market | Total number of stalls. | | Average No. of stalls vacant per quarter. | | Stallage charges 1952-53 | Squatter fees, licence fees etc., 1952-53. | Total gross receipts 1952-53. | Total expenditure 1952-53. | Net receipts 1952-53. | Net receipts 1951-52. | Increase or decrease in the net receipts over the previous year. | Total cost of Markets upto 31-3-53. | Percentage of Net Receipts on the cost. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1952-53 | 1951-52 | 1952-53 | 1951-52 | | | | | | | | | |
| | | | | | Rs. a. | Rs. a. p. | Rs. a. p. | Rs. | Rs. a. | Rs. a. | Rs. a. | Rs. | |
| Colaba ... | 45 | 44 | 1 | 1 | 17,104- 5 | 11,736-12-0 | 28,841- 1-0 | 12,238-10 | 16,602- 7 | 14,400- 3 | +2,202- 4 | 97,756 | 16.9 |
| Fort ... | 170 | 170 | 6 | 7 | 52,724-15 | 18,103-14-0 | 70,828-13-0 | 20,542- 9 | 50,286- 4 | 45,859-13 | +4,426- 7 | 4,30,880 | 11.5 |
| Arthur Crawford. | 1,025 | 1,025 | 7 | 7 | 6,24,292-14 | 6,80,989- 5-6 | 13,05,282-3-6 | 3,10,817- 9 | 9,94,461-10½ | 8,76,385-0½ | +118079-10 | 24,22,789 | 41.0 |
| Pork(DhobiTalao) | 3 | 3 | ... | ... | 5,880- 0 | 6- 0-0 | 5,886- 0-0 | 1,415- 0 | 4,471- 0 | 4,148-15 | + 322- 1 | 20,888 | 21.4 |
| Bhuleshwar ... | 201 | 201 | 9 | 5 | 54,921- 0 | 624- 0-0 | 55,545- 0-0 | 17,633- 5 | 37,911-11 | 34,396-10 | +3,515- 1 | 29,427 | 128.2 |
| Masjid Bunder ... | 5 | 5 | ... | ... | 550- 0 | 9,323- 1-0 | 9,873- 1-0 | 8,296-13 | 1,576- 4 | 3,317- 4 | —1,741- 0 | 17,346 | 9.08 |
| Erskine Road ... | 817 | 815 | 111 | 99 | 2,26,609-4½ | 35,385- 3-0 | 2,61,994- 7-6 | 92,292- 2 | 1,69,702-5½ | 1,88,470- 7 | —18,768-1½ | 5,97,612 | 28.4 |
| Pedda (Mazgaon) | 24 | 24 | 1 | 1 | 8,979-15 | 22,843- 5-0 | 31,823- 4-0 | 20,454- 4 | 11,369- 0 | 16,729- 5 | —5,360- 5 | 57,863 | 19.5 |
| Chowpatty ... | 69 | 69 | 19 | 20 | 6,861- 5 | 7,780- 5-0 | 14,641-10-0 | 10,906-13 | 3,734-13 | 3,940- 4 | — 205- 7 | 4,67,280 | 0.5 |
| Fergusson Road... | 24 | 24 | 3 | 2 | 9,456- 6 | 28,679- 0-0 | 38,135- 6-0 | 17,807- 9 | 20,327-13 | 22,727- 0 | —2,399- 3 | 25,473 | 79.8 |
| Kamatipura ... | 89 | 89 | 21 | 16 | 15,064-12 | 8,239-11-0 | 23,304- 7-0 | 12,745- 5 | 10,559- 2 | 12,739- 8 | —2,180- 6 | 55,498 | 20.8 |
| DeLisle Roadsheep | 48 | 48 | ... | ... | 23,060- 0 | 2,880- 0-0 | 25,940- 0-0 | 16,212- 4 | 9,727-12 | 10,357- 5 | — 629- 9 | 25,000 | 38.9 |
| New Worli ... | 43 | 43 | 6 | 2 | 18,933- 0 | 17,280- 1-0 | 36,233- 1-0 | 13,143- 1 | 23,090- 0 | 24,545-15 | —1,455-15 | 1,79,947 | 18.8 |
| Prabhadevi ... | 9 | 9 | ... | ... | 3,320- 0 | 18,431-10-0 | 21,751-10-0 | 12,240- 2 | 9,511- 8 | 9,941-15 | — 430- 7 | 23,819 | 39.9 |
| Elphinstone Road. | 39 | 39 | ... | ... | 16,119- 0 | 48,941- 3-0 | 65,060- 3-0 | 19,633- 2 | 45,427- 1 | 46,513- 2 | —1,086- 1 | 31,843 | 142.7 |
| Dadar ... | 10 | 10 | ... | ... | 4,220- 0 | 1,13,102- 1-0 | 1,17,322- 1-0 | 43,244-12 | 74,077- 5 | 74,535-14 | —458-10 | 1,51,676 | 49.4 |
| Gopi Tank market | 11 | 11 | 2 | ... | 6,565-11 | 25,229- 5-0 | 31,795- 0-0 | 13,934-15 | 17,860- 1 | 6,730- 4 | +11,129-13 | 64,790 | 27.5 |
| Gold Mohur castle | ... | ... | ... | ... | ... | 3,17,975-11-3 | 3,17,975-11-3 | 64,953-13 | 2,53,021-14½ | 2,57,856-13 | —4,834-14½ | 5,16,603 | 48.9 |
| *Squatter Areas:-* | | | | | | | | | | | | | |
| Dwarkadas Mansion's footpath at Sandhurst Road | ... | ... | ... | ... | ... | 6,602-10-0 | 6,602-10-0 | 2,068-11 | 4,533-15 | 3,920-13 | + 613- 2 | ... | ... |
| Nowroji Hill ... | ... | ... | ... | ... | ... | 52,637- 6-0 | 52,637- 6-0 | 13,564- 1 | 39,073- 5 | 36,802- 9 | +2,270-12 | ... | ... |
| Parel Village ... | ... | ... | ... | ... | ... | 2,391-12-0 | 2,391-12-0 | 1,803- 1 | 583-11 | 993-13 | — 405- 2 | ... | ... |
| Total ... | 2,632 | 2,629 | 185 | 160 | 10,94,682-7½ | 14,29,182- 3-9 | 25,23,864-11-5 | 7,25,947-13 | 17,97,916-14½ | 16,95,312-12½ | +142,559-2 —39,955-1½ | 54,81,222 | |

J. P. PEREIRA,
*Superintendent of Markets and Slaughter Houses.*

## APPENDIX 'B'

*Statement showing the receipts under different items during the year 1952-53 and those of the previous year.*

| Serial No. | Particulars. | 1952-53. | | | 1951-52. | | |
|---|---|---|---|---|---|---|---|
| | | Rs. | a. | p. | Rs. | a. | p. |
| 1 | Stallage charges .. .. .. .. | 10,94,682 | 7 | 6 | 10,74,094 | 5 | 0 |
| 2 | Squatter Fees .. .. .. .. | 8,72,583 | 1 | 3 | 8,28,453 | 4 | 0 |
| 3 | Fair Ground fee at Bandra Slaughter House .. | 3,34,034 | 11 | 9 | 3,25,873 | 8 | 6 |
| 4 | Slaughter and removal fees collected at the Bandra Slaughter House, DeLisle Road Sheep Market and Pig Slaughter House. | 5,79,772 | 8 | 0 | 5,80,448 | 1 | 0 |
| 5 | Licence fees from stalls, shops in the Municipal Markets .. | 7,834 | 0 | 0 | 8,224 | 0 | 0 |
| 6 | Licence fees for doing different types of business at Bandra Slaughter Houses. | 10,573 | 0 | 0 | 12,227 | 0 | 0 |
| 7 | Licence fees from Private Market's owners .. .. | 61,257 | 13 | 0 | 77,605 | 11 | 0 |
| 8 | Licence fees from firms dealing in foreign fish and imported meat, etc. | 2,700 | 0 | 0 | 2,500 | 0 | 0 |
| 9 | Licence fees for outside meat shops .. .. .. | 11,984 | 0 | 0 | 12,006 | 0 | 0 |
| 10 | Licence fees from butchers in Private Markets .. .. | 2,164 | 0 | 0 | 1,879 | 0 | 0 |
| 11 | Licence fees from brokers in different Municipal Markets .. | 15,388 | 0 | 0 | 15,213 | 0 | 0 |
| 12 | Licence fees from Kamatries, slaughterers etc, in Arthur Road Slaughter House, Zatka Slaughter House, etc. | 1,035 | 0 | 0 | 1,160 | 0 | 0 |
| 13 | Scale fees at A. C. Market. ... | 4,66,669 | 0 | 6 | 3,25,000 | 0 | 0 |
| 14 | Sale of the Right of blood at the Bandra Slaughter House .. | 16,901 | 0 | 0 | 11,551 | 0 | 0 |
| 15 | Sale of the Right of removing bone pieces at Bandra Slaughter House. | 1,051 | 0 | 0 | 175 | 0 | 0 |
| 16 | Nokarnama Fees .. .. .. .. | 1,667 | 0 | 0 | 1,767 | 0 | 0 |
| 17 | Cold Storage Fees .. .. .. .. | 53,054 | 2 | 0 | 50,554 | 7 | 6 |
| 18 | Ground Rent .. .. .. .. | 22,359 | 5 | 0 | 14,222 | 8 | 0 |
| 19 | Chawl Rent .. .. .. .. | 11,611 | 6 | 0 | 11,642 | 2 | 0 |
| 20 | Miscellaneous Receipts .. .. .. .. | 59,086 | 10 | 3 | 35,701 | 11 | 9 |
| | Total Rs. .. | 36,16,408 | 0 | 6 | 34,12,167 | 10 | 9 |

J. P. PEREIRA,

*Superintendent of Markets and Slaughter Houses.*

## APPENDIX "C"

*Statement showing the number of animals slaughtered or removed for private slaughter and the amount of slaughter and removal fees, etc., Levied thereon during the year 1952-53.*

| Description of animals. | April 1952. | May 1952. | June 1952. | July 1952. | August 1952. | September 1952. | October 1952. | November 1952. | December 1952. | January 1953. | February 1953. | March 1953. | Total No. of animals. | Total amount of slaughter fees, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Rs. a. p. |
| Buffaloes ... ... ... ... | 469 | 469 | 464 | 468 | 492 | 462 | 467 | 469 | 482 | 466 | 432 | 475 | 5,615 | 84,225 0 0 |
| Buffaloes removed to Bombay ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Buffaloes for private slaughter in Bombay ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cows (Bombay) ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ,, (Bandra) ... ... ... | 687 | 754 | 783 | 761 | 774 | 723 | 776 | 744 | 811 | 803 | 693 | 728 | 9,037 | 9,037 0 0 |
| Bullocks ... ... ... | 4,797 | 5,066 | 4,319 | 4,535 | 5,176 | 7,019 | 5,269 | 5,968 | 7,002 | 6,760 | 5,962 | 5,369 | 67,242 | 1,00,863 0 0 |
| Sheep and goats for Bombay ... | 75,284 | 81,221 | 84,204 | 84,627 | 79,225 | 73,976 | 76,127 | 76,801 | 78,160 | 81,338 | 74,149 | 81,963 | 9,47,075 | 2,36,768 12 0 |
| Do. Bandra ... ... | 4,230 | 4,699 | 4,969 | 4,964 | 4,864 | 4,534 | 4,547 | 4,341 | 4,690 | 4,618 | 4,223 | 4,430 | 55,109 | 10,332 15 0 |
| Pigs imported at Arthur Road Slaughter House. | 824 | 862 | 735 | 940 | 1,087 | 948 | 802 | 852 | 1,304 | 681 | 693 | 738 | 10,466 | 13,082 8 0 |
| Piglings Do. do. ... | 35 | 23 | 22 | 16 | 15 | 23 | 24 | 30 | 70 | 70 | 65 | 58 | 451 | 451 0 0 |
| Pigs slaughtered at Arthur Road Slaughter House | 922 | 739 | 810 | 885 | 1,053 | 852 | 783 | 847 | 1,293 | 708 | 693 | 617 | 10,202 | 12,752 8 0 |
| Piglings Do. do. ... | 35 | 23 | 22 | 16 | 15 | 20 | 27 | 30 | 70 | 70 | 65 | 58 | 451 | 169 2 0 |
| Slaughtered piglings imported for private consumption in Bombay ... ... | 13 | 1 | 6 | 4 | ... | 8 | 6 | 4 | 15 | 6 | 8 | ... | 71 | 71 0 0 |
| Live horned cattle removed to Bombay ... | 1 | ... | ... | 1 | 2 | ... | ... | 6 | 1 | ... | 1 | ... | 12 | 60 0 0 |
| Live horned cattle removed for shipping ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Live horned cattle removed for Bandra ... | 1 | 2 | 1 | 5 | 3 | 2 | ... | ... | ... | ... | 1 | 1 | 16 | 32 0 0 |
| Live horned cattle for private slaughter in Bombay ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Live sheep and goats removed to Bombay ... | 2,931 | 2,921 | 2,316 | 2,595 | 5,237 | 3,455 | 4,555 | 4,035 | 3,740 | 3,687 | 3,707 | 3,538 | 42,717 | 42,019 0 0 |
| Do. do. Bandra ... | 12,250 | 12,390 | 11,767 | 12,286 | 10,412 | 8,765 | 10,069 | 9,913 | 9,434 | 12,018 | 10,055 | 10,027 | 1,29,386 | 48,519 12 0 |
| Do. do. for shipping.. | 124 | 1,231 | 110 | 120 | 70 | 167 | 100 | 133 | 86 | 122 | 102 | 131 | 2,496 | 936 0 0 |
| Live sheep and goats for private slaughter in Bombay ... ... ... | 68 | ... | ... | 61 | 4 | 30 | 25 | 30 | 42 | 5 | ... | 78 | 343 | 343 0 0 |
| Live sheep and goats removed by DeLisle Road Sheep Market Fadkarees ... ... | 1,749 | 2,395 | 2,176 | 2,829 | 3,283 | 2,795 | 2,630 | 2,860 | 3,245 | 2,810 | 3,751 | 2,660 | 33,183 | 33,183 0 0 |
| Live sheep and goats slaughtered in the chamber of DeLisle Road Sheep Market ... | 628 | 979 | 1,206 | 1,026 | 270 | 806 | 1,063 | 1,476 | 1,282 | 1,085 | 1,264 | 1,682 | 12,767 | 3,191 12 0 |
| Total ... | 1,05,048 | 1,13,775 | 1,13,910 | 1,16,139 | 1,11,982 | 1,04,585 | 1,07,270 | 1,08,539 | 1,11,727 | 1,15,247 | 1,05,864 | 1,12,553 | 13,26,639 | 5,96,037 5 0 |

J. P. PEREIRA,
*Superintendent of Markets & Slaughter Houses.*

# MUNICIPAL PRINTING PRESS

Shri G. V. Damle, Test Audit Officer, continued to be in charge of the Press up to 31st July 1952. As per Corporation Resolution No. 1501, dated the 11th February 1952 one post of Manager, two posts of Dy. Managers and two posts of Asstt. Managers were created abolishing the posts of Superintendent, Dy. Superintendent and Asstt. Superintendent. Shri S. G. Tolat, B.A. (Hons.), was appointed as the Manager of the Press and he assumed charge on 1st August 1952.

The difficulty of obtaining paper under the release orders issued by Government referred to in the previous year continued this year also. Out of 200 tons of bleached and unbleached paper for which orders were placed with the Government only 108¾ tons were received from the Mills and 62¼ tons of foreign bleached paper had to be purchased from the local market at higher rates.

As usual, the printing work of all the Departments of the Corporation including those of Greater Bombay was carried out at the Press. Over and above this, the work of printing Budget Estimates, Establishment Schedules and several other jobs from the B.E.S.T. Undertaking were also executed.

The statement of jobs carried out and the pages printed for the Corporation and its various Committees during the year under report as compared with those in the previous year is given below :—

| Description | 1951-52 | | 1952-53 | |
|---|---|---|---|---|
| | Jobs | Pages | Jobs | Pages |
| Departmental Printing ... | 5,181 | ... | 6,572 | ... |
| Departmental Stationery ... | 1,165 | ... | 1,196 | ... |
| Private Parties Printing ... | 45 | ... | 52 | ... |
| Corporation and its various Committees ... | ... | 22,598 | ... | 20,596 |
| Record ... | ... | 11,616 | ... | 11,319 |
| Total ... | 6,391 | 34,214 | 7,820 | 31,915 |

During the year under review, the Government of Bombay as well as that of Saurashtra State requested the Corporation to allow them to entrust the printing of their Districts Census Handbooks—which were urgently required and which could not be carried out at their respective Government Presses—to the Municipal Printing Press. As a result, five Census Handbooks comprising of 1,575 pages were printed by the Municipal Press for the two Governments for Rs. 14,175.

The statement showing the quantity of paper consumed during the year under report as compared with that of the previous year is given below :—

| Description of Paper | 1950-51 | | 1951-52 | | 1952-53 | |
|---|---|---|---|---|---|---|
| | Rate per lb. | Quantity consumed in tons | Rate per lb. | Quantity consumed in tons | Rate per lb. | Quantity consumed in tons |
| | Rs. a. p. | | Rs. a. p. | | Rs. a. p. | |
| White ... | 0 8 4½ | 74½ | 0 9 8 | 91 | 0 8 7 | 90¼ |
| Badami ... | 0 8 3½ | 5½ | 0 8 4 | 4 | 0 8 1 | 32½ |
| Other kinds ... | 0 14 0 | 36½ | 1 5 0 | 47 | 1 2 0 | 31 |
| | | 116½ | | 142 | | 153¾ |

Profit and Loss Account and Pro-forma Balance Sheet as on 31st March 1953 are appended hereto. The transaction for the year closed with a surplus of Rs. 2,895 on a total turnover of Rs. 8,11,965 as against the surplus of Rs. 4,437 over a turnover of Rs. 7,35,383 for the previous year.

The Labour Staff as on 28th February 1953 consisted of 223 workers as against 234 on 29th February 1952.

S. G. TOLAT,
*Manager,*
*Municipal Printing Press*

# MUNICIPAL PRINTING PRESS

## *Working and Profit and Loss Account as at 31st March 1953*

| Dr. LIABILITIES | Rs. a. p. | Rs. a. p. | Rs. a. p. | Cr. ASSETS | Rs. a. p. | Rs. a. p. |
|---|---|---|---|---|---|---|
| *Materials*— | | | | | | |
| Paper, etc., stock at the beginning ... | 1,77,200 14 5 | | | | | |
| Do. *Add* Purchases ... | 3,64,272 15 3 | | | | | |
| Do. outstanding Liabilities ... | 14,971 0 0 | | | Amounts charged to Departments ... | 7,95,552 14 0 | |
| Balance in Reserve Bank of India ... | 11,947 11 0 | | | | | |
| | 5,68,392 8 8 | | | | | |
| Do. *Deduct* stock at the end ... | 1,70,854 15 0 | 3,97,537 9 8 | | | | |
| Ink stock at the beginning ... | 50 14 0 | | | | | |
| Do. *Add* Purchases ... ... | 461 6 0 | | | Amounts recovered from Private Parties. | 16,413 1 0 | |
| | 512 4 0 | | | | 8,11,965 15 0 | |
| Do. *Deduct* stock at the end ... | 179 8 10 | 332 11 2 | | *Deduct* Work in Progress at the beginning of the year ... ... | 1,03,980 0 0 | |
| Binding Materials stock at the beginning ... | 3,768 1 4 | | | | 7,07,985 15 0 | |
| Do. *Add* Purchases ... | 15,885 2 0 | | | *Add* work in Progress at the end of the year ... ... ... | 1,20,842 11 0 | 8,28,828 10 0 |
| | 19,653 3 4 | | | | | |
| Do. *Deduct* stock at the end ... | 2,856 6 4 | 16,796 13 0 | | | | |
| Mono Metal stock at the beginning ... | 1,07,782 2 0 | | | Sale of Paper Cuttings, etc. ... | ... | 3,096 2 0 |
| Do. *Add* Purchases ... | 16,970 1 0 | | | | | |
| | 1,24,752 3 0 | | | Deposit with Reserve Bank of India ... | | 87,344 8 0 |
| Do. *Deduct* stock at the end ... | 1,18,514 9 0 | | | | | |
| Lino Metal stock at the begining ... | 31,233 0 0 | 6,237 10 0 | | | | |
| Do. *Add* Purchases ... | 9,095 10 0 | | | | | |
| | 40,328 10 0 | | | | | |
| Do. *Deduct* stock at the end ... | 38,312 3 0 | 2,016 7 0 | | | | |
| Materials Non-consumable and Books and Dead Stock at the beginning ... | 12,932 0 0 | | | | | |
| Do. *Add* Purchases ... | 2,773 1 0 | | | | | |
| Do. outstanding liabilities ... | 1,000 0 0 | | | | | |
| | 16,705 1 0 | | | | | |
| Do. *Deduct* stock at the end ... | 13,548 3 0 | 3,156 14 0 | | | | |
| | | | 4,26,078 0 10 | | | |
| Out-work ... ... ... ... | | 8,237 1 0 | | | | |
| Do. outstanding liabilities ... | | 968 0 6 | | | | |
| | | | 9,205 1 0 | | | |
| Wages ... ... ... ... | | 2,94,366 8 5 | | | | |
| Do. outstanding liabilities ... | | 2,860 0 0 | | | | |
| | | | 2,97,226 8 5 | | | |
| Departmental Expenses— | | | | | | |
| Rent ... ... ... ... | ... | | | | | |
| Do. outstanding liabilities ... | 4,044 2 0 | | | | | |
| Repairs to Machinery, ... ... | 5,545 5 1 | | | | | |
| Do. outstanding liabilities ... | 1,061 0 0 | | | | | |
| Lighting ... ... ... | 1,720 9 0 | | | | | |
| Gas Charges ... ... ... | 920 7 0 | | | | | |
| Electric Power ... ... ... | 3,519 11 2 | | | | | |
| Debt Charges ... ... ... | 50,207 12 6 | 67,018 14 9 | | | | |
| *General Expenses*— | | | | | | |
| Staff Salaries ... ... ... | 70,665 13 5 | | | | | |
| Do. outstanding liabilities ... | 1,144 0 0 | | | | | |
| T. A. O's Salary. | 490 13 9 | | | | | |
| Provident Fund ... ... ... | 18,917 13 0 | | | | | |
| Contingencies (Miscellaneous)... ... | 4,191 4 0 | | | | | |
| Do. outstanding liabilities ... | 785 0 0 | | | | | |
| Telephone Charges ... ... | 465 11 0 | | | | | |
| Advertisement ... ... | 305 10 0 | | | | | |
| Printing ... ... ... | 2,910 3 9 | | | | | |
| Stationery ... ... ... | 501 10 0 | | | | | |
| Maintenance of Delivery Van ... | 788 7 6 | | | | | |
| Do. outstanding liabilities ... | 127 0 0 | | | | | |
| Private Works ... ... ... | 15,551 8 0 | 1,16,844 14 5 | | | | |
| | | | 1,83,863 13 2 | | | |
| Net Surplus ... ... ... | | | 2,895 12 1 | | | |
| | | | 9,19,269 4 0 | | | 9,19,269 4 0 |

S. G. TOLAT
*M. M. P.*

# MUNICIPAL PRINTING PRESS

*Balance Sheet as at 31st March 1953*

| LIABILITIES | Rs. a. p. | Rs. a. p. | ASSETS | Rs. a. p. | Rs. a. p. | Rs. a. p. |
|---|---|---|---|---|---|---|
| CAPITAL— | | | | | | |
| (1) Advances from Net Premia Fund ... | 1,62,516 0 0 | | Plant and Machinery ... ... ... | | 1,77,279 10 0 | |
| *Less*—Amount repaid ... | 76,805 3 0 | | *Less*—Depreciation up to 31-3-1953. ... | | 87,159 13 0 | |
| | 85,710 13 0 | | | | | 90,119 13 0 |
| (2) Advances from the Surplus Cash Balance ... | 4,409 0 0 | | Plant and Machinery Depreciation Fund Investments (in respect of Machinery purchased from Surplus Cash Balance), *Vide* Contra ... | ... | ... | 4,409 0 0 |
| | | 90,119 13 0 | | | | |
| Plant and Machinery Depreciation Fund Account ... | | 4,409 0 0 | (1) Plant and Machinery purchased out of Advances Special Funds ... | | 92,831 9 6 | |
| (3) Advances from Capital Works Loan Funds—Plant and Machinery Purchased out of Special Funds ... | 92,831 9 6 | | (2) Plant and Machinery purchased out of L.—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ... | | 1,54,998 5 0 | |
| | | | (3) Do. Books and Dead Stock ... | | 11,640 6 0 | |
| (4) Advances from Capital Works—Loan Funds, L.—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ... | 4,39,811 0 0 | | (4) Do. cost of Crusher Building ... | | 3,14,392 12 3 | |
| | | | (5) Plant and Machinery Purchased out of Special Funds ... | | 7,548 12 0 | |
| (5) Advances from Capital Works—Loan Funds—Plant and Machinery out of Special Funds ... | 7,548 12 0 | | (6) Outstanding Liabilities for Item Nos. 2, 3 and 4 ... | | 53,032 12 0 | |
| | | | (7) Plant and Machinery purchased out of Advances from Different Funds Item No. 5 ... | | 16,796 13 6 | |
| (6) Advances from Capital Works—Loan Funds—L—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ... | 94,253 3 3 | | | | 6,51,241 6 3 | |
| | | | *Less*—Depreciation upto 31-3-1953 ... | | 11,423 6 0 | 6,39,818 0 3 |
| (7) 2 Capital Works—Loan Funds—Plant and Machinery purchased out of Advances from Different Funds, Item No. 5 ... | 16,796 13 6 | | Work in Progress ... ... ... | ... | 1,20,842 11 0 | |
| | | | Stock of Paper, etc., ... ... ... | ... | 1,73,890 14 2 | |
| | 6,51,241 6 3 | | Mono Metal—Balance as per last year ... | 1,07,782 2 0 | | |
| | | | Do. Additions during the year ... | 16,970 1 0 | | |
| | | | | 1,24,752 3 0 | | |
| *Less*—Amount Repaid ... | 11,423 6 0 | 6,39,818 0 3 | *Less*—Written off ... | 6,237 10 0 | 1,18,514 9 0 | |
| | | | Line Metal—Balance as per last year ... | 31,233 0 0 | | |
| | | | Do. Additions during the year ... | 9,095 10 0 | | |
| | | | | 40,328 10 0 | | |
| | | | *Less*—Written of ... | 2,016 7 0 | 38,312 3 0 | |
| | | | *Materials Non-Consumable*— Balance as per last year ... ... | 7,673 14 0 | | |
| | | | Do. Additions during the year ... | 2,296 0 0 | | |
| | | | | 9,969 14 0 | | |
| | | | *Less*—Written off ... | 1,514 6 0 | 8,455 8 0 | |
| | | | *Books and Dead Stock*— Balance as per last year ... ... | 5,285 3 0 | | |
| | | | Do. Additions during the year ... | 1,477 1 0 | | |
| | | | | 6,762 4 0 | | |
| | | | *Less*—Written off ... | 1,659 9 0 | 5,092 11 0 | |
| | | | Deposit with Reserve Bank of India ... | | 87,344 8 0 | |
| | | | Bills due from Departments ... ... | 3,09,434 6 6 | | |
| Outstanding Advances as on 31-3-1953... | | 8,71,375 8 8 | Do. Private Parties ... ... | 9,488 2 0 | 3,18,922 8 6 | 8,71,375 8 8 |
| Assets purchased out of Revenue ... | | 1,723 2 0 | Dead Stock ... ... ... | 9,488 2 0 | | 1,723 2 0 |
| | | 16,07,445 7 11 | | | | 16,07,445 7 11 |

S. G. TOLAT
*M. M. P.*

# THE K. E. M. HOSPITAL
## AND
# SETH G. S. MEDICAL COLLEGE

### DEAN

1. Dr. R. G. Dhayagude, M.D. held the post of the Dean during the year 1952-53.

### Changes and leave arrangements of the staff

Dr. N. D. Patel, M.D., M.R.C.P. F.C.P.S. Honorary Physician was on leave from 23rd April 1952 to 16th September 1952.

Dr. J. C. Patel, M.D., M.R.C.P. was appointed as acting Honorary Physician from 16th June 1952 to 16th September 1952.

Dr. N. K. Sahiar, M.D., M.R.C.P. Honorary Physician was on leave from 2nd July 1952 to 25th September 1952. Retired from 26th September 1952.

Dr. J. C. Patel, M.D., M.R.C.P. was appointed as Honorary Physician from 26th September 1952.

Dr. G. M. Phadke, M.B. F.R.C.S. Honorary Surgeon was on leave from 20th November 1952 to 19th December 1952.

Dr. S. N. Cooper, D.O. D.O. D.O.M.S. Hon. Ophthalmic Surgeon proceeded on leave from 9th May 1952 to 21st June 1952.

Dr. (Smt.) P. C. Daroowalla, M.D. Hon. Gynaecologist was on leave from 16th August 1952 to 17th December 1952.

Dr. G. V. Ketkar, M.S., F.C.P.S. Hon. Asstt. Orthopaedic Surgeon resigned from 18th July 1952.

Dr. K. T. Dholakia, M.S., F.R.C.S., M. ch. Orth. was appointed as Hon. Asstt. Orthopaedic Surgeon from 1st January 1953.

Dr. G. N. Kowshik, M.B.B.S. B. Hy. D.P.H. Hon. Lecturer in Hygiene was on leave from 16th May 1952 to 25th July 1952.

Dr. K. K. Datey, M.R.C.P., D.C.H., D.T.M. & H. etc., was appointed Hon. Asstt. Physician from 16th June 1952.

Dr. J. A. Avasia, L.D.S., R.C.S. was on leave from 1st September 1950 to 29th February 1952. Services trerminated from 1st March 1952.

### Professorial staff

Dr. Y. M. Bhende, M.D. Professor of Pathology and Bacteriology resigned from 1st May 1952.

Dr. N. M. Purandare, M.D., was appointed as Professor of Pathology and Bacteriology from 1st May 1952.

Dr. D. D. Bankar, M.D., was appointed as Assistant Professor of Pathology and Bacteriology from 1st May 1952.

Dr. S. C. Duarte-Monteiro, B.Sc., M.B.B.S., was transferred to the Topiwalla National Medical College from 27th December 1952 (Temp).

Dr. E. J. Vaz, M.B.B.S., was appointed as Asstt. Professor of Physiology (temp.) from 22nd December 1952.

### Advisory Medical Board

2. During the year under report the Advisory Medical Board held nine meetings inclusive of one General Meeting of the Honorary and Professorial Staff.

### The K. E. M. Hospital

3. The following prominent persons visited the Hospital during the year—

| Name of the visitor. | Date when visited. |
|---|---|
| (1) Dr. Charles A. Wennen, M.D. of the Medical Research Department of Chas Pizer & Co., Inc. U.S.A. | 14th January 1952. |
| (2) Dr. Jasper H. Kane of the Bio-chemical Research Laboratories, Chas Pizer & Co., Inc. U.S.A. | 14th January 1952. |
| (3) Dr. W. G. Rake, Director, Squibbs Institute of Medical Research, New York ... | 22nd January 1952. |
| (4) Dr. G. Rash of the University of Cophenhagen & State Serum Institute of Denmark. | 24th January 1952. |

| Name of the Visitor. | Date when visited. |
|---|---|
| (5) Dr. Ellen Broe, Director, Florence Nightingale International Foundation U.S.A. | 5th February 1952. |
| (6) Dr. Thomas Rausch, Ph. D. of Austrialia ... | 12th February 1952. |
| (7) Dr. Dorothy N. Barlow, Thoracic Surgeon of Liverpool, U.K. ... | 23rd February 1952. |
| (8) Dr. Mountford, Anaesthetist from U.K. ... | 23rd February 1952. |
| (9) The Hon'ble Shri Jaglal Choudhary, Minister of Public Health and Scheduled Castes Welfare, Government of Bihar. | 23rd February 1952. |
| (10) Dr. Sudwitz of the Columbia University ... | 5th March 1952. |
| (11) Dr. R. Witmen, Ophthalmic Surgeon of Southern Rhodesia ... | 4th March 1952. |
| (12) Dr. A. D. Gurewitsch, Director of Physical Medicine, Neurological Institute, Columbia Presbyterian Medical Centre and Instructor of Medicine at Columbia University, New York. | 14th March 1952. |
| (13) Prof. Sulfia Umidova, Prof. Director of Medicine, U.S.S.R. and Prof. Perevozchikov Voks. | 14th March 1952. |
| (14) Lt. General D. R. Thappar, Colonel Commandant of the Army Medical Corps. | 1st April 1952. |
| (15) Dr. Mrs. Wei, Chinese Embassy ... | 16th April 1952. |
| (16) Anna Smith, Occupational Theraphist, Sindssyge Hospitalet, Riisskov, Denmark. | 22nd April 1952. |
| (17) Miluska Hoppenova from France ... | 22nd April 1952. |
| (18) Dr. W. M. K. Wijetunga, Civil Hospital, Candy Ceylon ... | 25th April 1952. |
| (19) Shri J. O. N. Shukla, Medical Secretary, Civil Secretariat, Uttar Pradesh, Lucknow. | 1st May 1952. |
| (20) Dr. H. I. Lindeke, M.D. California, U.S.A. ... | 6th May 1952. |
| (21) Dr. Howens of Ford Foundation, U.S.A. ... | 18th June 1952. |
| (22) Dr. Hojer, Principal, Medical College, Trivandrum ... | 17th July 1952. |
| (23) Dr. Ahmed Midani, Chief of Ministry of Health, Damascus, Iraq ... | 31st July 1952. |
| (24) Dr. Abdul Wackman Daccak, Director of Veterinary School, Damascus, Iraq ... | 31st July 1952. |
| (25) Dr. (Mrs.) Ruth Morris Bakwin and Dr. Harry Bakwin, Pediatricians from New York. | 4th August 1952. |
| (26) Delegates of the All India Federation of Local Authorities ... | 23rd August 1952. |
| (27) Dr. B. Dennings, M.S., F.R.A.C.S., of Sydney, Australia ... | 14th September 1952. |
| (28) Dr. (Smt.) Sushila Nayyar, Minister of Health, Delhi State ... | 16th September 1952. |
| (29) Shri Shantilal H. Shah, Minister for Labour and Health, Government of Bombay. | 1st November 1952. |
| (30) Dr. Richard F. Pederson of U.S.A. State Department ... | 4th December 1952. |
| (31) Prof. Pomoranski from Rochester, New York. ... | 29th December 1952. |
| (32) Prof. Jordan King, Honkong ... | 29th December 1952. |
| (33) Dr. Donetz from Israel ... | 29th December 1952. |
| (34) Dr. Ernest L. Wynder from Memorial Cancer Centre, New York ... | 24th December 1952. |
| (35) Dr. O. W. Hess of Yale University School of Medicine, New Haven, Connecticut | 31st December 1952. |

**Distribution of beds according to classification of departments—**

4. The 510 beds of the Hospital were fully occupied during the year. They were distributed as under

| Department. | Men. | Women | Children | Total |
|---|---|---|---|---|
| Medical ... ... ... | 132 | 44 | 12 | 188 |
| Surgical and Orthopaedic ... ... ... | 126 | 41 | 16 | 183 |
| Gynaecological ... ... ... | ... | 35 | ... | 35 |
| Ophthalmic ... ... ... | 20 | 12 | ... | 32 |
| Aural ... ... ... | 12 | 3 | 8 | 23 |
| Skin and Venereal ... ... ... | 18 | 4 | 2 | 24 |
| Isolation ... ... ... | 6 | 3 | ... | 9 |
| Tetanus ... ... ... | 5 | 3 | 2 | 10 |
| Casualty ... ... ... | 6 | ... | ... | 6 |
| | 325 | 145 | 40 | 510 |

5. The total number of patients admitted during the year 1952 was 19,674 as against 19,148 in 1951 and 19,792 in 1950

**Extension of the Hospital**

6. The work of construction of a ward out of the donation from the Reserve Bank of India was completed but for want of equipment it could not be brought into use till the end of the official year.

**Number of patients treated in 1952 and the total expenditure durig 1952-53.**

7. The statistical tables attached to this Report show in detail the number, attendance etc. in all the departments of the Hospital and the number and nature of operations performed during the year 1952. So far as the in-patient work was concerned there was as usual, often extra patients over the scheduled number in the Hospital and on several occasions admissions had to be refused to bring down the inpatients to a manageable

figure. The maximum number of inpatients on a single day was 663, thus making their nursing and care extremely difficult.

| Particulars. | 1952 | 1951 |
|---|---|---|
| (a) *In-patients*— | | |
| 1. Scheduled strength of beds ... | 510 | 510. |
| 2. Daily average No. of in-patients ... | 610.25 | 603.16 |
| 3. Total No. of new inpatients admitted ... | 19,674 | 19,148 |
| 4. Average No. of days each patient was resident ... | 11.02 | 11.50 |
| (b) *Out-patients*— | | |
| 1. Total No. of new patients ... | 1,66,812 | 1,56,888 |
| 2. Daily average No. of new outpatients ... | 620.5 | 590.2 |
| 3. Total No. of outpatient attendance (including casualty cases) ... | 5,70,742 | 5,59,901 |
| 4. Daily average No. of outpatient attendance ... | 1919.3 | 1890.2 |
| 5. No. of casualty patients ... | 41,544 | 40,152 |
| (c) *Operations*— | | |
| 1. Total No. of operations on inpatients ... | 8,955 | 8,874 |
| 2. Total No. of operations on outpatients ... | 23,147 | 20,347 |

8. Out of the total number of 20,264 inpatients (19674 admitted during 1952 and 590 of previous year) 7247 were cured, 7353 were discharged as relieved, 3187 either left the Hospital against medical advice or were otherwise discharged, 1,863 died (excluding 2 still born) leaving a balance of 614 at the end of the year.

9. Out of 1863 deaths, 904 died within first 24 hours of admission, 227 after 24 hours but within 3 days of admission and the remaining 732 after 3 days of admission into the Hospital.

The highest number of outpatients attendance on any one day during the year 1952 was 2,601. The highest number of new admissions in the outdoor department ona single day being 691. Likewise, the highest number on a single day of old cases treated was 2031 of casualty cases 186 and of inpatients admitted 80.

## Expenditure

10. The total expenditure incurred on the maintenance of the Hospital during the year 1952-53 including liabilities outstanding at the end of the year and exclusive of the cost of the Extension Scheme amounted to Rs. 26,22,268 approximately. This expenditure was inclusive of the cost of maintenance and treatment of inpatients, the cost of outpatients departments, the Resident Medical, Nursing and labour staff as well as that of the staff for administration and maintenance and repairs of the buildings etc. The above cost includes not only the normal expenditure of the Hospital but also the expenditure incurred for the maintenance of the special departments such as, Physical Therapy Centre, Occupational Therapy Centre and School, Prophylactic Immunization Centre and the Family Health Centre.

11. The following table illustrates the relative cost, per inpatient and outpatient per day during 1952-53, 1951-52 and 1950-51 respectively.

| Particulars. | 1952-53 | 1951-52 | 1950-51 |
|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| (a) Average cost per inpatient per day ... | 8 15 11 | 8 4 11 | 7 12 9 |
| (b) Average cost per inpatient admission ... | 102 1 2 | 95 12 4 | 85 0 10 |
| (c) Average cost per outpatient attendance ... | 1 5 8 | 0 14 9 | 0 12 4 |
| (d) Average cost per outpatient admission ... | 3 4 10 | 3 4 6 | 3 1 5 |

12. The details of the cost of per inpatient for 1952-53, 1951-52 and 1950-51 are shown in the following table :—

| Year. | Diets. | Drugs, dressings, etc. | Stores and linen. | Heating and lighting. | Miscellaneous. | Establishments. | Repairs to buildings and engineering. | Total. |
|---|---|---|---|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 1952-53 ... | 1 0 10 | 1 9 10 | 0 7 3 | 0 2 9 | 0 5 9 | 5 1 8 | 0 3 10 | 8 15 11 |
| 1951-52 ... | 0 15 7 | 1 6 7 | 0 6 5 | 0 2 10 | 0 7 6 | 4 9 11 | 0 4 1 | 8 4 11 |
| 1950-51 ... | 0 13 5 | 1 2 8 | 0 5 4 | 0 2 5 | 0 7 10 | 4 7 5 | 0 5 8 | 7 12 9 |

13. The following table gives the average cost of every new outpatient admission treated during the year, in comparison with that of the previous two years.

| Year. | Drugs and dressings. | Stores and linen. | Heating and lighting. | Miscellanecus. | Establishment. | Repairs to buildings and engineering. | Total. |
|---|---|---|---|---|---|---|---|
| | Rs. as. ps. | Rs. as. ps. | Rs. as. ps. | Rs. as. ps. | Rs. as. ps. | Rs. as. ps. | Rs. as. ps. |
| 1952-53 ... | 1 0 11 | 0 1 8 | 0 0 5 | 0 0 10 | 2 0 7 | 0 0 5 | 3 4 10 |
| 1951-52 ... | 1 1 1 | 0 1 5 | 0 0 5 | 0 1 2 | 2 0 0 | 0 0 5 | 3 4 6 |
| 1950-51 ... | 1 0 6 | 0 1 5 | 0 0 5 | 0 1 0 | 1 13 9 | 0 0 4 | 3 1 5 |

The actual cost incurred on patients (inpatients as well as outpatients) under drugs, surgical appliances etc. was exclusive of the cost of the expensive drugs, injections, blood transfusions etc. which was met out of the Poor Box Charity Fund amounting to Rs. 38,383 during the year, as was done in the previous year. A reference in this connection is invited to paragraph 25 below and to Appendix No. 21.

## Motor and Mill Accident Cases

14. The following table indicates the number of motor and mill accident cases treated during the year in comparison with that of the previous year.

| | Motor Accidents. | | | | Mill Accidents. | | | |
|---|---|---|---|---|---|---|---|---|
| | Treated in the casualty department. | | Admitted. | | Treated in the casualty department. | | Admitted. | |
| | 1952. | 1951. | 1952. | 1951. | 1952. | 1951. | 1952. | 1951. |
| Male ... | 668 | 725 | 201 | 282 | 4,652 | 4,124 | 130 | 130 |
| Female ... | 104 | 87 | 28 | 38 | 90 | 100 | 4 | 11 |
| Children | | | | | | | | |
| Male ... | 134 | 115 | 49 | 62 | ... | ... | ... | ... |
| Female ... | 62 | 83 | 22 | 35 | ... | ... | ... | ... |
| Total ... | 968 | 1,010 | 300 | 417 | 4,742 | 4,224 | 134 | 141 |

15. 19,259 certificates were issued during the year as shown below for which a sum of Rs. 6,265 was recoverd from the patients:—

| | |
|---|---|
| Certificates under the W. C. Act ... ... ... ... | 6,095 |
| Medical Opinion certificates ... ... ... ... ... | 1,785 |
| Police certificates (free) ... ... ... ... ... | 2,183 |
| Police certificates (paid) ... ... ... ... ... | 117 |
| Certificates for Municipal employees ... ... ... ... | 203 |
| Insurance certificates ... ... ... ... ... | 76 |
| Ordinary certificates ... ... ... ... ... ... | 8,800 |
| Total ... | 19,259 |

16. 666 cases were treated in the Hospital for poisoning during the year as per appendix No. 8.

## Blood Bank

17. The Blood Bank is working satisfactorily and there has been a good demand for blood from the patients.

## Nursing Staff

18. The arrangement of sending three nurses to the Arthur Road Hospital to attend on infectious fever cases was continued during the year.

19. Two members of the nursing staff were sent to the Annual Conference of the Trained Nurses Association of India at Delhi and one member of the student nurses received Cow and Gate Prize for the best exhibit in Nutrition.

20. During the year 45 nurses for junior examinations and 45 nurses for senior examinations were trained out of whom 36 and 35 passed, respectively, in junior and senior examinations held by the Bombay Nurses, Midwives and Health Visitors Council.

21. The cost of the nursing establishment worked out to Rs. 197-12-7 per nurse, per mensem, against Rs. 173-4-3 in the preceding year. It included not only the salaries, uniform and dhobi allowances and honorarium paid to the medical staff giving instructions in the nursing school, but also their mess charges, cost of electric energy consumed and repairs to their quarters, household linen and crockery. The pro-rata rent for quarters provided to the inferior staff employed in the Nurses' Home and the Municipal Provident Fund contributions, was not included in the above figure.

## Nurses' Welfare Fund.

22. The Nurses' Welfare Fund instituted in 1931 for promoting the welfare of the nursing staff and providing amenities for recreation etc. continued to serve its useful purpose. The Fund was managed by a Managing Committee with the Dean as the President. Every nurse is an ordinary member of the Fund. Two meetings of the Managing Committee were held during the year when programmes were arranged for the ensuing months. Various functions, such as dances, dramas, moonlight dinners and tournaments were held which not only afforded recreation but encouraged the nurses to put forth their efforts and exhibit their histrionic powers and other capabilities. The Fund maintained a small library and some daily papers and periodicals were purchased. During the year several tournaments were held and the victors were awarded prizes. The amount of the Fund Rs. 21,000 was invested in Government Promisory Notes kept in safe custody with the Central Bank of India Ltd.

Several ladies helped in the maintenance of the Fund and took keen interest in the welfare of the nursing staff during the year. Our thanks are due to them. Every month members of the nursing staff, the Dean and the Assistant Dean met to discuss their academic and administrative problems. Nine such meetings were held.

## School Clinic

23. The treatment of the School children attending the Municipal Primary Schools was continued during the year from 1st April 1952 to 31st March 1953.

During the period under report children were found to be suffering from ailments similar to those reported in the previous year. Common complaints were malnutrition, malaria, anaemia, bronchitis, round worm infection, cervicaladenitis, errors of refraction, cojunctivitis, xerosis, scabies, tonsillitis, Otitis media and Carious teeth.

926 new children as shown in the following table were treated in different sections of the school clinic at the Hospital in addition to a large number of children who began their treatment in the previous year. The total number of children treated in the year was 7,523 as against 8,542 in the previous year.

| Section. | 1952-53 | | | 1951-52 | | |
|---|---|---|---|---|---|---|
| | New cases | Old cases | Total | New cases | Old cases | Total |
| Medical and Surgical ... ... | 276 | 2,591 | 2,867 | 273 | 3,054 | 3,327 |
| Aural ... ... ... | 280 | 1,984 | 2,264 | 226 | 1,792 | 2,018 |
| Ophthalmic ... ... ... | 207 | 1,154 | 1,361 | 144 | 1,629 | 1,773 |
| Dental ... ... ... | 101 | 522 | 623 | 96 | 850 | 946 |
| Skin ... ... ... | 62 | 346 | 408 | 72 | 406 | 478 |
| | 926 | 6,597 | 7,523 | 811 | 7,731 | 8,542 |

37 children were operated upon in the aural department. One child was operated for Fallot's Tetrology (congenital heart defect) and on two children needling for cataract was done. Refraction was done on 50 children and glasses were prescribed to 30 children. In addition to the children who were admitted in the wards for operation, 15 children were admitted in the wards for fever, anaemia, suppurating cervical glands, bronchitis, jaundice, osteomyelitis and heart defects. 31 children suffering from cervical adenitis were treated with ultra violet rays supported by cod liver oil, X-Ray plates and encephalograms were taken and laboratory investigation were done whenever found necessary. The total cost of the Clinic at the K.E.M. Hospital amounted to Rs. 17,156-8-0.

## X—Ray and Electro Therapy Department

24. The equipment of the department had become both obsolete and inadequate to the demands made upon it in a hospital of this size. The Corporation therefore provided a special grant of over Rs. 2,72,000 for the purpose of modernising the X-Ray and Diathermy machines. Most of the equipment has since arrived and is being installed. The Hospital X-Ray department can now claim to be as well equipped as any in the country. Among the X-Ray plants there are 4 diagnostic and 4 therapeutic apparata.

Owing to the addition of a number of new machines ordered for the X-Ray department the structure of the X-Ray block had to be extended and fitted up at an approximate cost of Rs. 76,043. The work of construction was started in September 1952 and was nearing completion at the end of the year.

## Poor Box Charity Fund

25. The Fund from which relief was rendered to poor patients in the form of spectacles, artificial limbs, travelling expenses etc. received steady support from the public as well as from the patients of this Hospital, *vide* appendix No. 21. Besides relief in the shape of blood transfusions, costly drugs, medicines and injections, travelling expenses etc. the following appliances were provided to 142 patients at a cost of Rs. 2,984 as shown below :—

| Particulars. | Quantity |
|---|---|
| Artificial limbs, assorted ... ... ... ... ... | 25 Nos. |
| Tracheotomy tubes ... ... ... ... ... ... | 8 Nos. |
| Crutches ordinary bamboo ... ... ... ... ... | 27 pairs |
| Spectacles ... ... ... ... ... ... | 77 pairs |
| Smith Peterson Nails ... ... ... ... ... ... | 10 Nos. |
| Crutches, wooden, adjustable ... ... ... ... ... | 3 pairs |

Donations to the extent of Rs. 27,930-13-3 were received and acknowledged during the year, besides Rs. 8,075-1-9 and Rs. 5,694-7-9 collected from the poor boxes kept in the wards and outdoor departments, respectively.

## Fresh Blood and Plasma

26. Blood transfusion was provided to 1489 cases during the year under report with the blood of paid donors to whom payment was made out of the Poor Box Charity Fund to the extent of Rs. 15,035. Demand for blood showed a tendency to increase from year to year owing to more and more complicated operations being undertaken by the Honorary surgeons of the Hospital, such as brain, spinal cord and operations on the hear etc. 42 bottles of plasma were used during the year.

## Gift Shop

27. The Gift shop started in August 1950 at the Outpatient Department of the Hospital to enable the patients to get certain essential articles, such as clean bottles for medicines, cigarettes, biscuits, oranges, post cards, penicillin etc. continued to make a steady progress. The total sales during the period from 1st April 1952 to 31st March 1953 amounted to Rs. 4,828-7-6 while the expenditure came to Rs. 4,300-13-6 resulting in a net profit of Rs. 527-10-0. The shop was found to be of very great benefit to the patients as well as to their relatives as was evident from the fact that a large number of patients took advantage of the same.

## Library for the Patients

28. A small Library with donated books and magazines is maintained for the benefit of patients. A small wheeled cart with books, magazines etc. moves daily from ward to ward and patients take advantage of the amenity.

## Prophylactic Immunization Centre

29. The Prophylactic Immunization Centre continued to work on all the outdoor days in the evenings from 3 to 5 p. m. The attendance of the patients progressively increased and the total number of patients treated during the period from January to December 1952 was 9,327 whereas the number of new cases of dog bite coming to the department was 1,574. Besides rabies, immunization against typhoid, cholera, plague, diphtheriaand small pox was also done here.

## Family Health Centre

30. Family Health Centre at the Hospital continued to function during the year. The object of the Centre is to investigate into the health of the family as a Unit and to advise them if any defect is found. The Centre remains open for registration of families from 4-30 to 7 p.m. on all days except on Saturdays and Sundays.

The statement of work done in the Centre during the year is shown in appendix No. 19.

## New Departments

31. The new units, *viz.*, the Neuro-surgical and Neurological were sanctioned by the Corporation. In case of the Neuro-surgical unit, Government of India have agreed to bear part of the recurring and non-recurring expenditure. The actual working of these units will start next year when the bed accommodation provided in the newly completed ward is brought into use.

## Physio Therapy Centre and School

32. Rehabilitation of patients is one of the aspects of medical service which was conspicuous by its absence in the country. This was remedied by the co-operation of the World Health Organisation who have helped in the establishment of the Physio Therapy Centre and School. Two Physio-therapy Experts provided by the World Health Organisation have already joined the Hospital and the School will be started next year when the equipment to be partly provided by the World Health Organisation arrives from abroad. This department is financed jointly by the Bombay Municipal Corporation, State of Bombay and the Government of India.

## Occupational Therapy Centre and School

33. During the year under report the Occupational Therapy Centre and School graduated its first batch of students and the Diplomas were awarded to four successful students by the Honourable Minister for Health Shri Shantilal Shah. This is an unique event not only in the history of the K. E. M. Hospital but in the history of the development of Health Services in India.

A third batch of 15 students was admitted in June 1952 but 3 of the number dropped out due to circumstances beyond their control. One of the students admitted was sent by the Bombay State Government and later a 16th student was admitted from the West Bengal Government for specialisation in work with tuberculosis problem. This student is making a special study of the whole tuberculosis problem.

The Danish Occupational Therapist who had been on the staff left in February 1952 to get married. In November, Miss Janet Borthwick an Occupational Therapist from Australia, joined under the Colombo Plan to strengthen the teaching staff. Also one alumnus of the School with first rank joined the School as AssistantDirector. Available assistance continued to be given by the staff of the Seth G. S. Medical College.

A total of 711 patients were treated during the year. Of this number 137 were outpatients who made a total of 2622 visits to the Curative Workshop. The number of visits of patients was twice as many as in the previous year. This part of the work is steadily increasing and the department is finding it extremely difficult to find seating accommodation for the number attending. The work on children ward continued to expand A total number of 12,950 visits to patients in wards were made by the students.

The students continued to do clinical training in other institutions and special mention should be made of the co-operation of the Surgeon General with the Government of Bombay in permitting the students to train at the N. M. Mental Hospital, Thana, and on the Tuberculosis wards of the Goculdas Tejpal Hospital. Work was also started at the Dadar School for the Blind where an attempt is being made to find additional suitable crafts for this group of handicapped.

The following table gives the idea of work done in wards and Centre during the period :—

| Particulars. | January to December 1952. Number. | Percentage. |
|---|---|---|
| Medical wards ... ... ... ... ... ... | 980 | 5.3 |
| Children's ward ... ... ... ... ... ... | 4,725 | 25.4 |
| Surgical and Orthopaedic ... ... ... ... ... | 7,245 | 39.0 |
| Gynaecological ... ... ... ... ... ... | ..... | ..... |
| Total (indoor) ... ... ... ... ... ... | 12,950 | 69.7 |
| Curative workshop ... ... ... ... ... ... | 5,622 | 30.3 |
| Grand total ... | 18,572 | 100.0 |

## Pharmaceutical Laboratory.

34. A pharmaceutical Laboratory was established and equipped last year out of funds collected by the staff and students of these Institutions in appreciation of the services rendered to these institutions by the *Ex*-Dean, Dr. Jivraj Mehta (*vide* Corporation Resolution No. 929 of 23rd January 1951). It is in charge of a qualified Pharmacist. Various types of injectables, particularly glucose saline, are manufactured and supplied to the Hospital to the value of about Rs. 50,000 during the year under report. Plans are under way to expand the scope of activities of the Laboratory.

During 1952, the Laboratory analysed nearly 88 samples of various drugs to ascertain as to whether the articles complied with the B. P. Standards.

The Laboratory is found to be of great help as can be seen from the following table showing the approximate savings effected:—

| Period | | Approximate savings |
|---|---|---|
| July 1948 to February 1949 | Rs. ... | 10,270 |
| March 1949 to February 1950 | ... | 24,105 |
| March 1950 to February 1951 | ... | 41,776 |
| March 1951 to December 1951 | ... | 35,000 |
| January 1952 to December 1952 | ... | 43,650 |

## Clinical Meetings

35. The Staff Society of the K. E. M. Hospital and Seth G. S. Medical College held meetings once a month and the proceedings are published in medical journals.

## Foreign Study Tours of the Staff

36. Several of our Honorary Staff undertook foreign tours either to attend Congresses and Conferences of their specialities or to get themselves acquainted with the latest developments in the medical science.

Dr. N. D. Patel, M.D., M.R.C.P., the Honorary Physician went to U. S. A. and U. K. to study developments in Neurology. Dr. G. M. Phadke, M.B. F.R.C.S. went to U. S. A. to study diseases of liver, pancreas and spleen in view of the recent developments of surgery of these organs. Dr. S. G. Joshi, M.S. the Honorary Aural Surgeon has proceeded to U. K. and Continent to get himself acquainted in the subject of Ear, Nose and Throat surgery. The Pharmacist of this Hospital has proceeded to Purdue University U. S. A. to specialise in Pharmacy.

## The K. E. M. Hospital and Seth G. S. Medical College, Emp. Co operative Credit Society Ltd.

37. The Co-operative Society of the labour staff of the Hospital and College worked satisfactorily during the year. The total number of members on the roll at the end of June 1952 was 612. 78 new members joined the Society and 72 left it during the period owing to termination of their services or death etc.

The Share capital of the Society amounted to Rs. 1,22,672-10-0 on 30th June 1952 as against Rs. 1,10,766-10-0 on the corresponding date of the previous year. The amount of the loans granted was Rs. 1,63,685 and the amount recovered was Rs. 1,55,825-8-0. The average amount of loan granted was Rs. 316.

The Society held its last Annual General Meeting on 25th September 1952 and declared a dividend of 3 3/4 per cent. for the year ending June 1952. The net profit during the year ending 30th June, 1952 amounted to Rs. 7,371-12-9. The Reserve Fund of the Society stood at Rs. 10,838-11-9 and the total of other Funds at Rs. 2,738-2-6. The accounts of the Society were audited by the Government Auditors upto 30th June 1952.

## Ambulance

38. The ambulance service of this Hospital was placed on a better footing by purchasing a modern ambulance at the cost of about R. 16,000. During the year we had the good fortune to be the recipient of another ambulance offered as a gift by the Soviet Embassy in India. The second ambulance is a car type one fitted with modern amenities like air conditioning etc. Both the ambulances are in use for bringing patients to the Hospital and taking the discharged patients home from the Hospital.

## THE SETH G. S. MEDICAL COLLEGE

**Admission.**

During the year under report 82 fresh admissions were made. An educational survey of these students shows that their average age at the time of their admission was 18.9 years, it being 16.8 years when they matriculated. The corresponding ages in the previous year were 18.8 and 16.5 years, respectively. 79 of these students were single and 3 married. A statistical study of the occupations of the parents or guardians of the newly admitted students showed that 28 were dependent on service 35 on business, 8 on medical profession, 5 on legal profession, 2 on pensions and 4 on miscellaneous occupations. In addition to the 82 regular admissions 7 Licentiates were admitted for the Condensed M.B., B.S. course.

**Students.**

The number of undergraduate students on the College roll at the close of the year was 463, which included 109 lady students, and that of post-graduate and research students was 121 as shown below. 6 of these students were displaced persons from Pakistan.

| Class. | Male students. | Female students. | Total |
|---|---|---|---|
| 1st M.B., B.S. 1st Year ... ... ... ... | 66 | 16 | 82 |
| 1st M.B., B.S. 2nd Year ... ... ... ... | 78 | 20 | 98 |
| 2nd M.B., B.S. 3rd Year ... ... ... ... | 71 | 28 | 99 |
| 2nd M.B., B.S. 4th Year ... ... ... ... | 66 | 21 | 87 |
| 3rd M.B., B.S. 5th Year ... ... ... ... | 73 | 24 | 97 |
| Total number of students ... | 354 | 109 | 463 |
| Post-graduate students including research students ... ... | 99 | 22 | 121 |
| Total ... | 453 | 131 | 584 |

In the above figures are included the following candidates of the Condensed M.B., B.S. course.

| Class. | Male students. | Female students. | Total |
|---|---|---|---|
| 1st M.B., B.S. ... ... ... ... | 7 | 2 | 9 |
| 2nd M.B.B.S. ... ... ... ... ... | 2 | 0 | 2 |
| 3rd M.B.B.S. ... ... ... ... ... | 10 | 2 | 12 |
| Total ... | 19 | 4 | 23 |

Thanks are due to the authorities of the Bai Jerbai Wadia Hospital for Children for the continuation of the facilities given to the students of this College for clinical instruction in the diseases of Children at that Hospital during the year under report.

The results of the various examinations for which students were sent up by the College are summarised below :—

| Under-graduate. Examinations. | | Candidates Sent up | No. of candidates who passed the whole examination |
|---|---|---|---|
| 1st M.B.B.S. | April 1952 ... ... ... ... | 104 | 89 |
| | October 1952 ... ... ... ... | 22 | 14 |
| 2nd M.B.B.S. | April 1952 ... ... ... ... | 57 | 53 |
| | October 1952 ... ... ... ... | 25 | 25 |
| 3rd M.B.B.S. | April 1952 ... ... ... ... | 100 | 67 |
| | October 1952 ... ... ... ... | 54 | 35 |

| | Post-graduate. Examinations. | Candidates sent up. | No. of candidates who passed the whole examination. |
|---|---|---|---|
| M.D. (Medicine) | April 1952 | 20 | 2 |
| | Oct. 1952 | 20 | 11 |
| M.D. (Pathology) | April 1952 | 1 | ..... |
| | Oct. 1952 | 6 | 3 |
| M.D. (Midwifery) | April 1952 | 10 | ..... |
| | Oct. 1952 | 19 | 7 |
| M.D. (Pharmacology) | April 1952 | ..... | ..... |
| | Oct. 1952 | ..... | ..... |
| M.S. | April 1952 | 14 | 2 |
| | Oct. 1952 | 19 | 2 |
| D.O. | April 1952 | ..... | ..... |
| | Oct. 1952 | ..... | ..... |
| D.A. | April 1952 | 1 | 1 |
| | Oct. 1952 | 1 | 1 |
| D.L.O. | April 1952 | 1 | 1 |
| D.M.R.E. (Part II) | April 1952 | ..... | ..... |
| | Oct. 1952 | 2 | 2 |
| D.A. (C. P. & S.) | April 1952 | 3 | 1 |
| | Oct. 1952 | 2 | 1 |
| D.O.M.S. | May 1952 | 4 | ..... |
| | Nov. 1952 | 3 | ..... |
| D.D.V. | Oct. 1952 | 1 | 1 |
| F.C.P.S. | March 1952 | 7 | 2 |
| | Sept. 1952 | 5 | 1 |
| D.G.O. | Oct. 1952 | 4 | 1 |
| M.Sc. | May 1952 | 3 | 3 |
| | Oct. 1952 | ..... | ..... |
| B.Sc. (Medical) | June 1952 | 2 | 2 |
| | Oct. 1952 | 2 | 1 |
| Ph.D. | April 1952 | 2 | 2 |
| D.P.H. (Part II) | April 1952 | ..... | ..... |
| D.V.D. | April 1952 | ..... | ..... |
| | Oct. 1952 | 1 | 1 |
| D.O.R.L. | April 1952 | ..... | ..... |
| | Oct. 1952 | 2 | ..... |
| | Total ... | 155 | 48 |

Special classes for different post-graduate courses were held as usual.

## Annual Cost and Revenue

The total expenditure of the College including the expenditure on the hostels came to Rs. 4,83,194 during the year as against Rs. 4,40,672 during the previous year. The above expenditure includes the amount of Rs. 83,392 paid to the staff as dearness allowance. The revenue of the College in the form of tuition fees, hostel rent and miscellaneous receipts excluding fees received from post-graduate students amounted to Rs. 1,78,003 as against Rs. 1,73,608 during the year 1951-52. The gross cost per student for the year under report was Rs. 1,043.6 while the net cost worked out at Rs. 659.2 as compared with the corresponding figures of Rs. 904.9 and Rs. 548.4 respectively, for the preceding year. The amount of fees received from the post-graduate students was Rs. 22,110.

## Library and Museum

During the year, 168 books were added to the library as against 218 books in the preceding year. Out of these, 32 books were presented to the library as shown below :—

**Library**

| | |
|---|---|
| Department of State of the U. S. A. | 3 |
| Rockefeller Foundation | 1 |
| Smt. Manchhaben Pranjiwandas Mehta | 5 |
| Indian Council of Medical Research | 1 |
| C. A. R. E. (Cooperation for American Remittances to Europe) | 1 |
| Grant Medical College | 1 |
| World Health Organisation | 10 |
| Shri Shevak Bhojraj | 2 |
| From authors | 3 |
| From publishers | 5 |
| Total ... | 32 |

The number of books and periodicals issued for reading in the library to undergraduate and post-graduate students, Resident Medical Staff of the K. E. M. Hospital and the Honorary and Professorial staff of the hospital and College was 27,679 as against 26, 139 during the previous year. 1,479 books and 1,273 periodicals were issued on loan outside the library to the Honorary and Professorial staff of these institutions, Resident Medical

Officers of the K. E. M. Hospital, Demonstrators and Tutors of this College, to the libraries of the Haffkine Institute, Tata Memorial Hospital, Grant Medical College, Topiwala National Medical College, and to the Municipal General Hospital, Sion, the College of Physicians and Surgeons of Bombay, the Bai Jerbai Wadia Hospital for Children and the Nowrosji Wadia Maternity Hospital.

The microfilm service unit at the Tata Memorial Hospital continued to draw on the resources of this library for sending microfilm copies of the references required by institutions all over India.

170 books and periodicals were borrowed as inter-library loans from the various medical and research institutions in Bombay to meet the needs of our library readers.

**Museum**

50 wet specimens were replaced in the Anatomy Museum during the year. The total number of wet and dry specimens in the Anatomy and Comparative Anatomy Sections stood at 1,752. Students from different schools from the City and Bombay Suburban District and Nurses from different hospitals in the City were allowed to visit the Anatomy Museum during the year.

In the Pathology Museum 86 new specimens were mounted and 930 old specimens were remounted during the year, bringing the total number of specimens to 1,784.

In the Artist's Department 937 photographs, graphs, photomicrographs, etc.were prepared during the year

## Hostels

The number of students residing in the hostel for Male students during the year under report was 147. The number of lady students residing in the Lady Students' Hostel during the year under report was the same as in the previous year, *viz.*, 28. Both the hostels were thus fully occupied and a few applications for rooms had to be rejected for want of vacancies.

The total expenditure incurred on the hostels was Rs. 21,503 while the income derived in the form of rent was Rs. 16,142.

## Gymkhana

With a perfect turf and a magnificent stadium at our disposal our cap of glory was adorned with a number of feathers this year.

In the Inter-collegiate Annual Athletic Sports Smt. K. Zaveri annexed the Women's Cycling event for the third time. Shri R. H. Bandodkar and Shri A. Sequeira stood third in High Jump and Fast Walk respectively.

Shri S. Y. Medhekar gained a place in the Bombay State Team to participate in All India Volleyball Championship held at Jubbulpore.

Shri V. I. Mehta, Shri M. K. Mehta and Shri A. C. Mehta were selected to represent the Bombay University in the Inter University Swimming Championship held at the Mahatma Gandhi Memorial Bath.

Smt. P. Gulati and Smt. K. Zaveri annexed the Ladies' Doubles title in the University Tenni-koit Tournament.

Shri Anthony Sequeira was selected to represent the Bombay University in the Inter-University Hockey Tournament.

Shri R. H. Bandodkar was once again included in the University Cricket Team which toured Poona.

Shri D. N. Pai was awarded the Rotary Club Prize for the Best Student of the College.

Dr. G. S. Ambardekar, Dr. P. M. Mehta and Dr. A.E. DeSa donated handsome trophies for Badminton, Volleyball and Hockey respectively.

Smt. L. Nadkarni retained the coveted triple crown for the second time in succession in the College Tournament.

Smt. Usha Vyas and Smt. Meena Vakeel gave a splendid performance of Bharta Natyam in Bharatiya Vidya Bhavan.

In the Challenge Match the Past Gosumecs Cricket XI annexed Dr. B. N. Purandare Shield in the very first year of its inception by beating College regular eleven.

The Annual Athletic Sports were held on our own ground in grand style. Shri P. R. Nayak, the Municipal Commissioner, who was kind enough to preside over the function, was very much impressed by the expanse of our ground and our beautiful stadium. Smt. Nayak graciously distributed the prizes.

Our Co-operative Sciety continued to serve the needs of our students and also showed a large profit which will be utilized for helping needy patients and students.

## General

Dr. B. G. Vad, M.D., *Ex*-President of the College of Physicians and Surgeons of Bombay, delivered the inaugural address to the students of the College on 23rd June 1952.

Under the Technical Assistance Plan of the World Health Organisation services of Dr. Roger A. Lewis, M.D., have been secured for this College for two years. Dr. Lewis joined this College from 2nd February 1953

as a Visiting Professor of Pharmacology. Under his able guidance the Department of Pharmacology is being organised on uptodate lines and the staff is being trained so as to be able to take up post-graduate teaching before the term of Dr. Lewis' services ends.

A team of distinguished medical scientists sponsored by the World Health Organisation and the Unitarian Service Committee Inc., U. S. A. visited these institutions during the month of March 1953. The Professorial and Honorary Staff greatly profitted by this contact with world famous scientists.

## Research

The different departments of the College and the Hospital had, in addition to their normal teaching and departmental work, to their credit the following investigations. Some of the problems in hand were discontinued and others were taken up afresh during the year.

*(1) The Enquiry on the Nature of Anaemias and Plasma Proteins following Traumatic Injury was concluded.

*(2) An Enquiry on Coxsackie Virus Infection in Bombay City was started.

(3) An Enquiry on Testing various strains of micro-organisms for their sensitivity to different antibiotics was started.

*(4) The Haematological Unit was discontinued.

(5) The Enquiry on "Anaemias" was continued with funds provided by Messrs.Glaxo Laboratories (India) Ltd.

(6) Cytological Studies on the Islets of Langerhans by Dr. A.C. Duarte Monteiro, Assistant Professor of Physiology, working under the guidance of Professor K. C Bathwalla, M.B.B.S., Ph.D., were concluded.

*(7) *The Metabolism of Nicotinic Acid. Its Biosynthesis and relationship with alkali labile precursor.*—The work on the problems was completed so far as the role of tryptophane in the biosynthesis of nicotinic acid is concerned. It has been possible to show that the amino acid plays a definite role of precursor of the vitamin in germinating grains. It has also been possible to show that there is an inter-relationship between the alkali-labile precursor and the tryptophane. Some of the precursors which are very difficult to synthesise could be obtained from Professors in U. S. A. with whom contacts were established by Dr. Chitre when he was abroad. The work on the precursors is in progress. The work so far carried out enabled the student to obtain the degree of Ph. D. of the Bombay University.

(8) *Studies in B. Complex Metabolism in Fish.*—The work was almost complete so far as the seasonal variations in Vitmans B1 and B2 are concerned. But a new phase has been uncovered in which it seems necessary to study the inter-relationship between thiaminase and acetaldehyde, in the metabolism of cold-blooded animals. The work was being planned.

(9) *Some Nutritional aspects of Cancer.*—(*a*) The detoxication mechanism of methyl cholanthrene was traced to be by way of methylation, as reflected by the loss of methionine in the livers of rats.

(*b*) The relationship between the induced tumors by methylcholanthrene and butyric esterase activity of serum of rats was established.

(10) *Studies in Alkaline Phosphatase in rickets, and*

(11) *Studies in Calcium and Phosphrous Metabolism.*—(*a*) The work was completed during the year and standard values of Phosphatase content of blood have been evaluated for Indian children of different age groups.

(*b*) It has also been shown that phosphrous is primarily affected by high doses of vitamin D and that calcium follows suit. The work was approved for the degree of M.Sc., of the Bombay University.

(*c*) The studies on the inter-relationship of Vitamin D and Nitrogen almost reached completion.

(12) *Studies in Acid Phosphatase and hormone Metabolism.*—The experiments to produce prostate tumors have so far given negative results. The work was being planned on a different line.

(13) *Studies in B. Complex Vitamins.*—The estimation of B. complex vitamins from pure strains of cereals and pulses grown in India, is in progress. In addition to estimations of vitamin, the effect of storage on vitamin contents was also investigated.

*(14) *Physiological availability of Thiamine, Nicotinic acid and Riboflavin.*—Work on about 10 foodstuffs was completed. It was approved for the degree of M.Sc., of the Bombay University.

*(15) *Studies in Metabolic Inhibition.*—It has been possible to postulate by gasometric technique the presence of thiamine inhibitor in polio infected monkeys. During the course of the investigation an inter-relationship between thiaminase and acetaldehyde was established. Further work is in progress in collaboration with Polio Research Unit under the Indian Council of Medical Research.

(16) *Studies in Nutritional aspects of yeast grown on different media containing molasses.*—So far the effect of source of nitrogen on the growth of 22 strains of the yeast was completed. The work is being submitted for the degree of Ph. D. by the student.

(17) *Studies in Biosynthesis of nicotinic acid in Yeast.*—The process of biosynthesis of nicotinic acid in the yeast was studied in four typical strains.

(18) *The effect of dietary protein on kidney function in human subjects.*—The work on the problem was completed. It has been possible to show that the protein nutrition of a person would enormously affect the urea clearance picture. The finding is of significance to clinicians who have to interprete the kidney function on the basis of urea clearance.

(19) Research on the incorporation of Vitamin "A" in "Vanaspati" by Dr. R. G. Chitre with funds provided by the Vanaspati Manufacturers' Association of India was concluded.

Enquiries from (7) to (19) were conducted in the Biochemistry Section of the Physiology Department under Dr. R. G. Chitre, Assistant Professor of Biochemistry.

*(20) Enquiry on the Immunological properties of lens and uveal proteins. This enquiry was carried out with funds provided by the Indian Council of Medical Research for part of the year and then by Dr. S. N Cooper on his own.

*(21) Study of the conjunctival bed as a receptor for the trachoma virus was started.

*(22) An Enquiry into the possibilities and scope of homologous venous and arterial grafts was started.

(23) An investigation on the application of hypothermia in cardiac surgery was started by Dr. P. K. Sen.

(24) Investigations on Urinary Copper of patients with Wilson's disease were started under the guidance of Dr. R. A. Lewis.

(25) Investigation was started in the Pharmacology Department on a new anti-infective drug forwarded by the Institute of Chemical Technology.

*(26) An Enquiry was started on "Narcotherapy."

(27) An Enquiry on the Relative value of Cardiozole and Electro-Convulsive Therapy was started by Dr. N. S. Vahia.

(28) An Enquiry on the Relative value of Triodone and Malidone in the treatment of Petit mal Epilepsy was started by Dr. N. S. Vahia.

(29) Dr. K. D. Desai, Tutor in Embryology started an enquiry on variations in human lungs.

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* These enquiries were carried out under the auspices of the Indian Council of Medical Research, New Delhi.

## PUBLICATIONS

Articles on medical subjects published by the members of the Honorary, Professorial and other staff during the year.

| Serial No. | Contributed by. | Title of the article. | Name of the Journal in which the article was published. |
|---|---|---|---|
| 1 | Dr. Adhia G. D.<br>Dr. Sant. M. V.<br>Dr. Vora D. D. | Refractory (Aplastic) Anaemia treated with replacement transfusion and haematinics. | Indian Journal of Medical Sciences, 6: 9-15, January 1952. |
| 2 | Dr. Banker D. D. | Preliminary observations on Antibody patterns against certain viruses among the inhabitants of Bombay. | Indian Physician, 11 : 221-222, October 1952. |
| 3 | Dr. Bhende Y. M. | Epidermoid carcinoma and leiomyosarcoma in the same kidney. | Indian Medical Gazette, 87 : 158-160, April 1952. |
| 4 | Dr. Bhende Y. M. | Renal cell carcinoma showing glomerulus-like structures. | Indian Medical Gazette, 87: 405-406, September 1952. |
| 5 | Dr. Bhende Y. M. | Plain muscle tumours of the kidney | Indian Medical Gazette, 6 : 747-754, November 1952. |
| 6 | Dr. Bnende Y. M.<br>Dr. C. K. Deshpande<br>Dr. H. M. Bhatia | "New" Blood group character related to "ABO system—a preliminary communication. | Lancet, Vol. 1, 903-904 (May 3) 1952. |
| 7 | Dr. Bhende Y. M. | Malignant amelanotic melanoma of the skin in an albino. | Indian Journal of Medical Sciences, 6:755, November 1952. |
| 8 | Dr. Cnitre R. G.<br>Dr. (Smt.) Prema Fatterpekar | Nutritive value of groundnut oil and the hydrogenated groundnut oil (DALDA). | Indian Physician, 11 : 240-250, November 1952. |
| 9 | Dr. Cooper S. N.<br>Dr. Docrat Y. A. | Keratometry study in Refractive conditions of the eye, particularly with reference to myopia. | Indian Physician, 11 : 141-157, July 1952. |
| 10 | Dr. DeSa A. E. | Ascariasis—a surgical problem. | Indian Physician, 11 : 93-102, May 1952. |
| 11 | Dr. Kothare S. N. | Generalised Cysticercosis—case report. | Indian Journal of Medical Sciences, 6 : 78, January 1952. |
| 12 | Dr. Kothare S. N. | Adeno—Acanthoma of the Pyloric portion of the stomach. | Indian Medical Gazette, 87 : 105, March 1952. |
| 13 | Dr. Moghe N. H. | Mandibular third molar. | Indian Physician, 11 : 77-91, April 1952. |
| 14 | Smt. Kamala V. Nimbkar | Occupational Therapy. | Indian Physician, 11 : 103-110, May 1952. |
| 15 | Dr. Patel J. C.<br>Dr. DeMello E. R. | Anatimalarials in Amoebiasis | Indian Physician, 11 : 238-239, November 1952. |
| 16 | Dr. Patel J. C. | Chyluria—a report of two cases treated with sodium pentavalent antimony gluconate. | Indian Journal of Medical Science, 6 : 318-320, May 1952. |
| 17 | Dr. Purandare N. M.<br>Dr. Bhende Y. M.<br>Dr. Figuerado N.<br>Dr. Desai S. D. | Another outbreak of Kala-Azar in the Acworth Leper Asylum. | Indian Journal of Medical Sciences, 6 : 787, November 1952. |
| 18 | Dr. Raghavan P. | Gastroscopy | Indian Physician, 11 : 187-194, September 1952. |
| 19 | Dr. Santokh Singh | Toxoplasmosis in India | Indian Physician, 11 : 209-220, October 1952. |
| 20 | Dr. Snah M. J.<br>Dr. Vakil B. J. | Streptomycin in Tuberculous Meningitis—a preliminary communication. | Indian Journal of Medical Sciences, 6:394-412, July 1952. |
| 21 | Dr. Vahia N. S.<br>Dr. Kothari N. J. | Medical treatment of epilepsy. | Indian Physician, 11 : 223-226, October 1952. |
| 22 | Dr. Vakil R. J. | Statistical observations on cases of Coronary thrombosis (based on 715 cases of Coronary thrombosis). | Indian Physician, 11 : 231-237, November 1952. |

In conclusion the Dean expresses his sincere thanks to the members of the Honorary Staff and the Professorial and teaching staff for their co-operation and willing help.

R. G. DHAYAGUDE,
*Dean,*
*K. E. M. Hospital &*
*Seth G. S. Medical College.*

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## APPENDIX No. I.

SENIOR STAFF OF THE K. E. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE FOR THE YEAR 1952-53.

*Dean.*

R. G. DHAYAGUDE, ESQR., M.D.

*Assistant Dean.*

V. V. JADHAV, ESQR., M.B., B.S.

*Assistant Medical Officers.*

R. P. PARULKAR, ESQR., M.B., B.S., D.A. F.A.C.A. on leave from 1-12-1950 to 31-5-1952.
R. B. REDKAR, ESQR., B.SC., M.B., B.S., D.A.
W. P. THATTE, ESQR., M.B., B.S. D.A., acting from 1-12-1950 to 31-5-1952.

*Professor of Anatomy.*

G. M. KURULKAR, ESQR., M.B., B.S. Temporary Professor of Anatomy from 20-8-1951.

*Assistant Professor of Anatomy.*

Vacant.

*Professor of Physiology.*

K. C. BATLIWALLA, ESQR., M.B., B.S., PH.D.

*Assistant Professor of Physiology.*

A. C. DUARTE MONTEIRO, ESQR., B.SC., M.B., B.S., (transferred to T. N. M. College from 27-12-1952).
E. J. VAZ, ESQR., B.SC., M.B., B.S. from 22-12-1952.

*Assistant Professor of Bio-chemistry.*

R. G. CHITRE, ESQR., M.SC., PH.D.

*Visiting Professor of Pharmacology.*

ROGER A. LEWIS, ESQR., B.A., M.D.

*Assistant Professor of Pharmacology and Materia Medica.*

W. B. BHAVE, ESQR., B.SC., M.B., B.S. (temporary from 10-6-1950).

*Professor of Pathology and Bacteriology.*

Y. M. BHENDE, ESQR., M.D. (resigned from 1-5-1952).
N. M. PURANDARE, ESQR., M.D. (appointed from 1-5-1952).

*Assistant Professors of Pathology and Bacteriology.*

N. M. PURANDARE, ESQR., M.D. (from 1-4-1952 to 30-4-1952).
S. N. KOTHARE, ESQR., M.D., D.T.M. & H.
D. D. BANKER, ESQR., M.D. PH. D. (from 1-5-1952).

*Honorary Physicians and Lecturers in Medicine.*

N. D. PATEL, ESQR., M.D. M.R.C.P. F.C.P.S. (on leave from 23-4-1952 to 16-9-1952).
N. K. SAHIAR, ESQR., M.D. M.R.C.P. (on leave from 2-7-1952 to 25-9-1952—Retired from 26-9-1952).

ABDUL HAMEED, ESQR., M D.
MANGALDAS J. SHAH, ESQR., M.B., B.S. M.R.C.P. D.T.M. & H.
P. RAGHAVAN, ESQR., M.D.
R. J. VAKIL, ESQR., M.D. M.R.C.P. F.R.F.P.S.
J. C. PATEL, ESQR., M.D., M.R.C.P., Ag. from 16-6-1952 to 16-9-1952 and again from 26-9-1952.

*Honorary Assistant Physicians and Lecturers in Medicine.*

J. C. PATEL, ESQR., M.D., M.R.C.P., appointed as Honorary Physician from 16-6-1952 to 16-9-1952 and again from 26-9-1952.
J. K. MEHTA, ESQR., M.D. M.R.C.P.
E. P. BHARUCHA, ESQR., M.D. M.D.
K. K. DATEY, ESQR., B.A., M.D., M.R.C.P. D.C.H. D.T.M. & H. B.SC., M.R.C.P. acting from 16-6-1952.
E. R. DEMELLO, ESQR., M.D.

*Honorary Surgeons and Lecturers in Surgery.*

A. V. BALIGA, ESQR., F.R.C.S.
K. G. MUNSIF, ESQR., M.B., B.S. F.R.C.S.
G. M. PHADKE, ESQR., M.B., B.S. F.R.C.S. (on leave from 20-11-1952 to 12-1952.)
M. M. PANDYA, ESQR., M.B., B.S. F.R.C.S.
A. E. DESA, ESQR., M.B., B.S. F.R.C.S.
R. G. GINDE, ESQR., M..S.

*Honorary Assisant Surgeons and Lecturers in Surgery.*

P. K. SEN, ESQR., M.S.
R. H. KARMARKAR, ESQR., M.B., B.S. F.R.C.S.
C. S. WORAH, ESQR., (on leave from 1-3-1953 to 30-11-1953).
V. P. MEHTA, ESQ, M.D., M.S. F.C.P.S.
G. D. ADHIA, ESQR., M.B., B.S. F.R.C.S. F.C.P.S.
V. S. SHETH, ESQR., M.B., B.S. F.R.C.S.
C. J. T. PINTO, ESQR., M.S. F.R.C.S. acting from 2-3-1953.

*Honorary Orthopaedic Surgeons.*

R. J. KATRAK, ESQR, B.A., B.Sc. M.B.B.S. F.R.C.S. M.Ch.
A. K. TALWALKAR, ESQR., M.B., B.S, F.R.C.S. M.Ch.

*Honorary Assistant Orthopaedic Surgeon.*

G. V. KETKAR, ESQR., M.S. F.C.P.S. (Resigned from 18-7-1952).
K. T. DHOLAKIA, ESQR., M.S., F.R.C.S., M. Ch. (Appointed from 1-1-1953).

*Honorary Aural Surgeon and Lecturer in Ear, Nose and Throat.*

S. G. JOSHI, ESQR., M.S. leave from 26-3-53.

*Honorary Assistant Aural Surgeon.*

J. V. DESA, ESQR., M.S., D.L.O.
V. A. DESAI, ESQR., M.B., B.S., D.L.O., F.C.P.S. (temporary from 27-3-1953).

*Honorary Gynaecologists and Lecturers in Gynaecology and Obstetrics.*

SMT. P. C. DAROOWALLA, ESQR., M.D. on leave from 16-8-1952 to 17-12-1952.
K. M. MASANI, ESQR., M.D. F.R.C.S.

*Honorary Assistant Gynaecologist.*

B. N. PURANDARE, ESQR., M.D. F.R.C.S.

*Honorary Ophthalmic Surgeons and Lecturers in Ophthalmology.*

S. N. COOPER, ESQR.,M .B., B.S., D.O. D.O. D.O.M.S. on leave from 9-5-1952 to 21-6-1952.
C. B. DHURANDHAR, ESQR., M.B.B.S. D.O.

*Honorary Assistant Ophthalmic Surgeon.*

D. G. MODY, ESQR., M.B., B.S. D.O. D.O.M.S.

*Honorary Radiologists and Lecturers in Radiology and Electrotherapy.*

Z. J. JOSEPH, ESQR., M.D. D.M.R.E.
L. H. ATHLE, ESQR., M.B., B.S. D.M.R. M.A.C.S.

*Honorary Anaesthetist and Lecturer in Anaesthesia.*

B. N. SIRCAR, ESQR., M.B., B.S. D.A., R.C.P. & S. F.F.A,R.C.S.
G. S. AMBARDEKAR, ESQR., M.B.,B.S., D.A., R.C.P.S.

*Honorary Dental Surgeon and Lecturer in Dentistry.*

J. A. AVASIA, ESQR., L.D.S., R.C.S. T D.S. (Services terminated from 1-3-1952.

*Honorary Assistant Dental Surgeon and Lecturer in Dentistry.*

N. H. MOGHE, ESQR., L.D.Sc.

*Honorary Dermatologist and Venereologist and Lecturer in Dermatology and Venereology.*

J. A. FERNANDEZ, ESQR., L.R.C.P. M.R.C.S. M.R.C.P.

*Honorary Assistant Dermatologist and Venereologist.*

S. C. DESAI, ESQR., M.D. D.V.D.

*Honorary Lecturer in Medical Jurisprudence and Toxicology.*

V. V. JADHAV, ESQR, M.B., B.S.

*Honorary Lecturer in Hygiene and Preventive Medicine.*

G. N. KOWSHIK, ESQR., M.B., B.S. B.Hy., D.P.H. on leave from 16-5-1952 to 25-7-1952.

*Honorary Psychiatrist and Honorary Lecturer in Psychiatry.*

N. S. VAHIA, ESQR., M.D.

*Honorary Director, Occupational Therapy Centre and School.*

SMT. KAMALA V. NIMBKAR, B.A. F.T.C., O.T.R.

## APPENDIX No. 2

*A statement showing the In-patients treated in the K. E. M. Hospital during the year 1952 with classification according to Departments, Sex, Age, Discharges and Deaths.*

| Department | Sex | In the Hospital on the Midnight of 31st December 1951 | Admitted during the year 1952 | Total | Discharged during the year 1952 | Died during the year 1952 | In the Hospital on the Midnight on 31st December 1952 |
|---|---|---|---|---|---|---|---|
| Medical ... | Men ... | 129 | 4,431 | 4,560 | 3,881 | 535 | 144 |
| | Women ... | 63 | 1,445 | 1,508 | 1,198 | 250 | 60 |
| | Children— | | | | | | |
| | Male ... | 27 | 1,005 | 1,032 | 698 | 310 | 24 |
| | Female ... | 7 | 740 | 747 | 465 | 264 | 18 |
| Surgical ... | Men ... | 117 | 4,889 | 5,006 | 4,610 | 274 | 122 |
| | Women ... | 34 | 1,032 | 1,066 | 932 | 103 | 31 |
| | Children— | | | | | | |
| | Male ... | 9 | 395 | 404 | 369 | 30 | 5 |
| | Female ... | 5 | 204 | 209 | 188 | 16 | 5 |
| Ophthalmic ... | Men ... | 17 | 587 | 604 | 581 | ... | 23 |
| | Women ... | 11 | 333 | 344 | 331 | ... | 13 |
| | Children— | | | | | | |
| | Male ... | ... | 25 | 25 | 24 | ... | 1 |
| | Female ... | 1 | 14 | 15 | 14 | ... | 1 |
| Gynaecological ... | Women ... | 28 | 870 | 898 | 856 | 15 | 27 |
| | Children— | | | | | | |
| | Female ... | ... | 4 | 4 | 4 | ... | ... |
| Skin and Venereal | Men ... | 10 | 239 | 249 | 238 | ... | 11 |
| | Women ... | 3 | 72 | 75 | 68 | 1 | 6 |
| | Children— | | | | | | |
| | Male ... | ... | 13 | 13 | 12 | ... | 1 |
| | Female ... | 1 | 14 | 15 | 15 | ... | ... |
| Aural ... | Men ... | 10 | 747 | 757 | 738 | 7 | 12 |
| | Women ... | 5 | 436 | 441 | 437 | 3 | 1 |
| | Children— | | | | | | |
| | Male ... | ... | 209 | 209 | 203 | 4 | 2 |
| | Female ... | 1 | 204 | 205 | 203 | 2 | ... |
| Orthopaedic ... | Men ... | 73 | 1,110 | 1,183 | 1,091 | 34 | 58 |
| | Women ... | 25 | 288 | 313 | 271 | 10 | 32 |
| | Children— | | | | | | |
| | Male ... | 9 | 163 | 172 | 166 | ... | 6 |
| | Female ... | 3 | 61 | 64 | 63 | ... | 1 |
| Psychiatric ... | Men ... | ... | 93 | 93 | 83 | 4 | 6 |
| | Women ... | 2 | 39 | 41 | 37 | 1 | 3 |
| | Children— | | | | | | |
| | Male ... | ... | 10 | 10 | 9 | ... | 1 |
| | Female ... | ... | 2 | 2 | 2 | ... | ... |
| Total ... | Men ... | 356 | 12,096 | 12,452 | 11,222 | 854 | 376 |
| | Women ... | 171 | 4,515 | 4,686 | 4,130 | 383 | 173 |
| | Children— | | | | | | |
| | Male ... | 45 | 1,820 | 1,865 | 1,481 | 344 | 40 |
| | Female ... | 18 | 1,243 | 1,261 | 954 | 282 | 25 |
| Grand Total ... | | 590 | 19,674 | 20,264 | 17,787 | 1,863+ 2 S.B. | 614 |

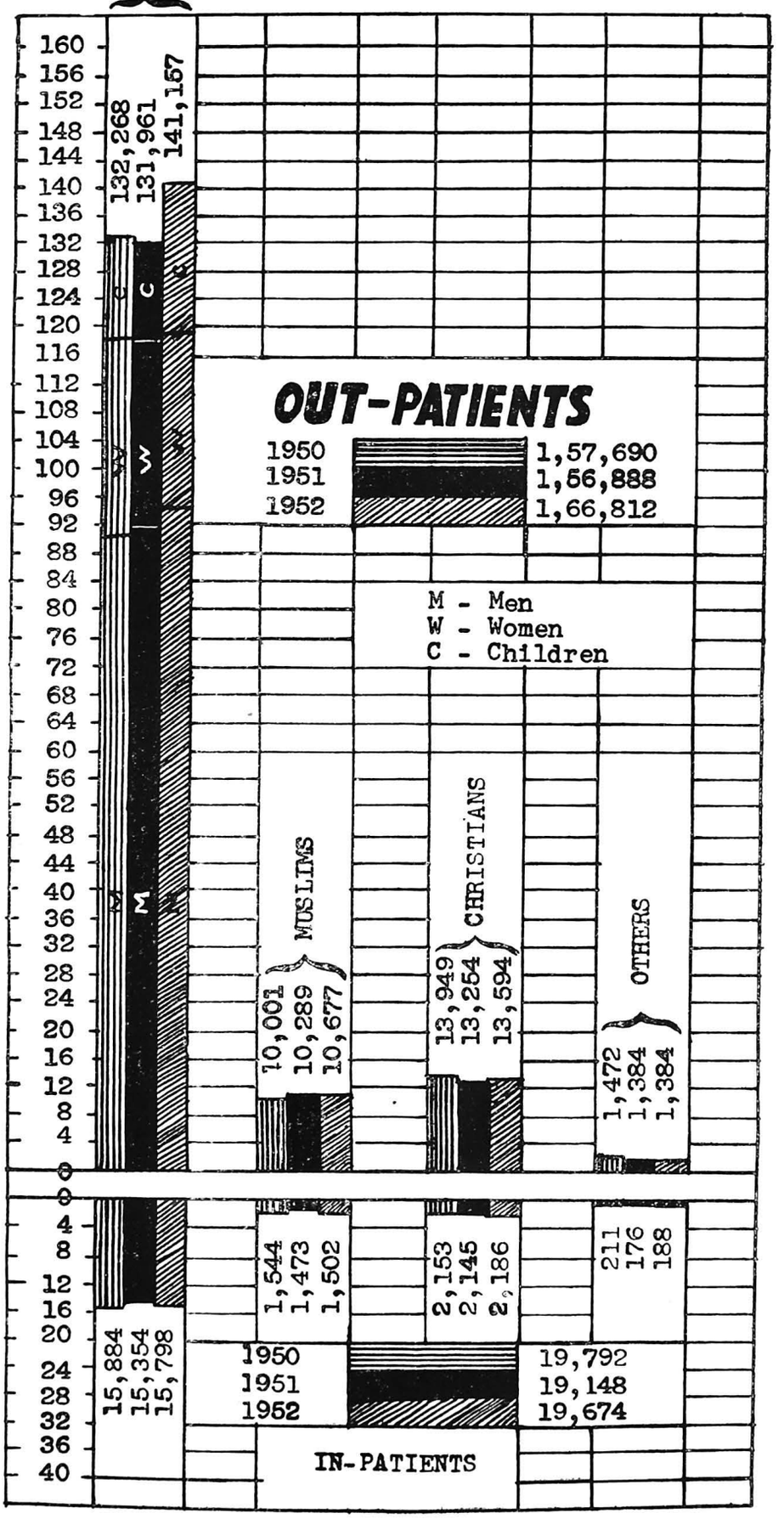
## APPENDIX No. 3.

A statement showing the Out-patients (new, old and casualty) treated in the K. E. M. Hospital during the year 1952 with classification according to Departments, Sex and Age.

| Department | Sex | O. P. D. New cases. | O. P. D. Old Cases. | Total Attendance | Casualty cases. |
|---|---|---|---|---|---|
| Medical ... | Male ... | 33,265 | 69,351 | 102,616 | 2,440 |
| | Female .. | 11,970 | 39,867 | 51,837 | 241 |
| | Children— | | | | |
| | Male ... | 5,259 | 8,872 | 14,131 | 143 |
| | Female ... | 3,912 | 6,556 | 10,468 | 77 |
| Surgical ... | Male ... | 36,090 | 73,182 | 109,272 | 20 754 |
| | Female .. | 6,713 | 16,597 | 23,310 | 3,271 |
| | Children— | | | | |
| | Male .. | 3,444 | 3,813 | 7,257 | 2,493 |
| | Female .. | 1,660 | 2,529 | 4,189 | 1,062 |
| Ophthalmic ... | Male ... | 10,738 | 23,426 | 34,164 | 3,262 |
| | Female ... | 3,311 | 11,522 | 14,833 | 99 |
| | Children— | | | | |
| | Male ... | 828 | 2,080 | 2,908 | 68 |
| | Female ... | 672 | 1,789 | 2,461 | 29 |
| Gynaecological ... | Female ... | 4,846 | 20,824 | 25,670 | 33 |
| | Female Children ... | 26 | 25 | 52 | 6 |
| Dental ... | Male ... | 5,871 | 4,667 | 10,538 | 41 |
| | Female ... | 2,500 | 2,295 | 4,795 | 12 |
| ... | Children— | | | | |
| | Male ... | 324 | 383 | 707 | 4 |
| | Female ... | 218 | 273 | 491 | 1 |
| Skin and Venereal ... | Male ... | 10,189 | 28,245 | 38,434 | 79 |
| | Female ... | 1,989 | 7,908 | 9,897 | 5 |
| ... | Children— | | | | |
| | Male ... | 780 | 1,810 | 2,590 | ... |
| | Female ... | 674 | 1,516 | 2,190 | 3 |
| Aural ... | Male ... | 5,804 | 18,306 | 24,200 | 457 |
| | Female ... | 2,662 | 11,687 | 14,349 | 85 |
| ... | Children— | | | | |
| | Male ... | 1,332 | 3,043 | 4,375 | 242 |
| | Female ... | 993 | 2,258 | 3,251 | 127 |
| Orthopaedic ... | Male ... | 6,759 | 21,119 | 27,878 | 4,825 |
| | Female ... | 1,510 | 6,275 | 7,785 | 666 |
| | Children— | | | | |
| | Male | 938 | 2,175 | 3,113 | 711 |
| | Female ... | 474 | 1,262 | 1,736 | 300 |
| Psychiatric ... | Male ... | 561 | 5,989 | 6 550 | 1 |
| | Female .. | 293 | 3,333 | 3,626 | 3 |
| ... | Children— ... | | | | |
| | Male ... | 74 | 555 | 629 | ... |
| | Female ... | 43 | 397 | 440 | ... |
| | Grand Total ... | 1,66,812 | 4,03,930 | 5,70,742 | 41,544 |

# APPENDIX No. 4

CHART ILLUSTRATING SUMMARY OF PATIENTS ACCORDING TO SEX, AGE AND CASTE.



## APPENDIX No. 14

*A report of theX-Ray and Electro-therapeuticDepartment of the K. E. M. Hospital for the year 1952.*

During the year ended on 31st December 1952 the following work was done in the X-Ray Department :—

6,159 patients were X-rayed for various conditions.
9 9 patients were undergone Ba meal investigations.
1,849 patients were given Shortwave and Ultraviolet therapy.
258 patients were given Deep-X-ray treatment.
619 patients had superficial X-ray therapy.

## APPENDIX No. 15

*A statement showing the classification according to the nature of the disease and sex of the out-patients and in-patients treated in the Skin and Venereal Department of the K. E. M. Hospital during the year 1952.*

| Description. | Out-patients. | | In-patients. | |
|---|---|---|---|---|
| | Male. | Female. | Male. | Female. |
| Primary Syphilis ... ... ... ... | 1,200 | 91 | 5 | ... |
| Secondary Syphilis ... ... ... ... | 673 | 65 | 67 | 14 |
| Tertiary Syphilis ... ... ... ... | 9 | 2 | 8 | 1 |
| Congenital Syphilis ... ... ... ... | 12 | 3 | ... | 4 |
| Total No. of cases of Syphilis ... | 1,894 | 161 | 80 | 19 |
| Acute Gonorrhoea ... ... ... ... | 431 | 65 | 3 | ... |
| Chronic Gonorrhoea ... ... ... ... | 264 | 44 | 4 | 3 |
| Total No. of Cases of Gonorrhoea ... | 695 | 109 | 7 | 3 |
| Phagedena ... ... ... ... | 28 | ... | 7 | ... |
| Chancroid ... ... ... ... | 683 | 35 | 9 | ... |
| Granuloma Inguinalae (5th V. D.) ... ... ... | 3 | ... | ... | ... |
| Lympho-granuloma Inguinalae (6th V. D.) ... ... | 7 | 2 | 3 | ... |
| Total No. of Venereal Cases ... | 721 | 37 | 19 | ... |
| Leprosy Cases ... ... ... ... | 195 | 43 | 8 | 1 |
| Skin diseases ... ... ... ... | 7,464 | 2,313 | 138 | 63 |
| Grand total of Venereal, Skin and Leprosy cases treated during the year 1952 ... ... ... ... | 10,969 | 2,663 | 252 | 86 |

## APPENDIX No. 16

*A statement showing the classification according to the nature of the disease and sex of patients treated and Diagnostic and the Therapeutic measures used in the PsychiatricDepartment of the K. E. M. Hospital during the year 1952.*

### TABLE I

Summary of patients treated and classified according to sex:—

| Sex. | Outdoor. | Indoor. |
|---|---|---|
| Male ... ... ... ... ... ... | 561 | 93 |
| Female ... ... ... ... ... ... | 293 | 39 |
| Children—male ... ... ... ... ... ... | 74 | 10 |
| female ... ... ... ... ... ... | 43 | 2 |
| Total ... | 971 | 144 |

## TABLE II

Summary of patients classified according to diseases :—

| Name of disease. | No. of cases |
|---|---|
| Schizophrenia | 145 |
| Manic-depressive Psychosis | 70 |
| Involutional Psychosis | 33 |
| Senile Psychosis | 15 |
| Organic Psychosis | 35 |
| Acute Psychotic Episode | 53 |
| Anxiety Neurosis | 55 |
| Hysterical Reaction | 60 |
| Obsessive—compulsive Neurosis | 5 |
| Psychoneurosis with somatic symptoms— | |
| Nocturnal Enuresis | 3 |
| Psychogenic Amnesia | 10 |
| Disorders of sexual function (impotency) | 181 |
| Psychogenic pain | 53 |
| Hypochondriasis | 19 |
| Mental retardation | 91 |
| Other disorders of behaviour, stammering | 41 |
| Epilepsy | 272 |
| Postpartum Psychosis | 27 |
| Infantile convulsions | 15 |
| Brain tumour | 23 |
| Miscellaneous | 31 |

## TABLE III

Summary of Diagnostic and Therapeutic measures :—

| Particulars. | No. |
|---|---|
| Electro-encephalograms | 289 |
| Electro-convulsive therapy | 67 |
| Insulin sub-shock therapy | 71 |
| Narcotherapy (Pentothal sodium) | ... |
| Psychotherapy | 8 |
| Cardiozole Shock Therapy | 47 |

## APPENDIX No. 17

*A statement showing the number of Electro-cardiograms classified according to the clinical conditions for which these were taken in the K. E. M. Hospital during the year 1952.*

| Clinical conditions for which Electro-cardiogram was taken. | Total. |
|---|---|
| Congenital heart disease | 53 |
| Congestive cardiac failure | 85 |
| Volvular heart disease | 109 |
| Thyroid disease | 17 |
| Hypertensive heart disease | 58 |
| Chest pain | 52 |
| Pericardial disease | 33 |
| Coronary artery disease | 196 |
| Cardiac arrythmias | 73 |
| Aortic aneurysm | 4 |
| Acute rheumatic fever | 14 |
| Subacute bacterial endocarditis | 4 |
| Electro cardiographs taken during cardiac surgery | 2 |
| Miscellaneous | 170 |
| Total | 870 |

## APPENDIX No. 18

*A statement showing the various, (i) Pathological (ii) Bacteriological (iii) Biological (iv) Biochemical investigations carried out in the Central Clinical Laboratory and outdoor Departments of the K. E. M. Hospital during the year 1952 as also an account of Autopsy work done during the year.*

### (A) Central Clinical Laboratory

37352 Laboratory Investigations were carried out during the year 1952 in the Central Clinical Laboratory (apart from the ward laboratories) on the material sent from the Hospital, as against 34227 and 35408 in the years 1951 and 1950 respectively. These are grouped under the following heads :—(1) Pathological (2) Bacteriological (3) Biological (4) Biochemical.

| | 1952 |
|---|---|
| **I—Pathological—** | |
| (*i*) Routine Examination of Urine | 2,654 |
| (*ii*) Examination of Blood— | |
| (1) Cytological examination :— | |
| (*a*) Complete cytology | 976 |
| (*b*) Platelet count | 51 |
| (2) Cogulation Time | 77 |
| (3) Bleeding Time | 77 |
| (4) Erythrocyte Sedimentation test | 1,416 |
| (5) Detection of Parasites :— | |
| (*a*) Microfilaria | 238 |
| (*iii*) Examination of Faeces | 2,418 |
| (*iv*) Examination of Sputa | 11,26 |
| (*v*) Examination of Puncture Fluids :— | |
| (*a*) Cerebro-spinal fluid | 1,522 |
| (*b*) Pleural fluid | 129 |
| (*c*) Ascitic fluid | 184 |
| (*d*) Other fluids | 3 |
| (*vi*) Histological Examination of Surgical Tissues | 3,789 |
| | 14,660 |
| **II—Bacteriological—** | |
| (*i*) Urine :— | |
| (*a*) Cultural Examination | 192 |
| (*b*) Cultural Examination for M. tuberculosis | 28 |
| (*ii*) Blood :— | |
| (*a*) Cultural Examination | 304 |
| (*b*) Serological Examination :— | |
| (1) Widal Reaction | 677 |
| (2) Kahn Test | 12,570 |
| (3) Wassermann Reaction | 553 |
| (4) Weil Felix Reaction | 52 |
| (5) Agglutination test against Leptospira | 6 |
| (6) Agglutination test against Brucella group | 35 |
| (7) Paul-Bunnell Test | 14 |
| (8) Napier's aldehyde test | 54 |
| (9) Chopra's Test | 3 |
| (*iii*) Faeces :— | |
| (*a*) Cultural Examination | 5 |
| (*b*) Cultural examination for M. tuberculosis | 1 |
| (*iv*) Puncture fluid—Cultural Examination :— | |
| (*a*) Cerebro spinal fluid (Routine and culture) | 494 |
| (*b*) Pleural fluid :— | |
| (1) Routine culture | 107 |
| (*c*) Peritoneal Fluid :— | |
| (1) Routine culture | 113 |
| (2) Cultural Exam. for M. tuberculosis | 40 |
| (*d*) Other aspirated fluids | 87 |
| (*v*) Microscopic and Cultural Examination of :— | |
| (*a*) Sputum for M. tuberculosis (Routine and culture) | 22 |
| (*b*) Pus Routine Exam. and culture | 354 |
| (*c*) Pus Cultural Exam. for M. tuberculosis | 7 |
| (*d*) Throat swabs | 641 |
| (*e*) Nasal swabs | 212 |
| (*f*) Swab from Nasal Sinuses. Ear and Aspirated Fluids | 76 |
| (*g*) Rectal swabs | 3 |
| (*vi*) Examination for the presence of micro-organisms : Smears (microscopy) :— | |
| (1) Urethral or cervical discharges | 74 |
| (2) Ear Discharge for the presence of Cl. tetani | 4 |
| (3) For Leishman—Donovan Bodies | 41 |
| (*vii*) Preparation of Autolysate | 10 |
| | 16,779 |

| | |
|---|---|
| **III—Biological—** | |
| 1. Casoni's Test ... ... ... ... ... ... ... | 3 |
| | 3 |
| **IV—Biochemical—** | |
| 1. Urine:— | |
| (1) Determination of Diastase Index ... ... ... ... | 4 |
| (2) Bence Jones protein ... ... ... ... ... | 1 |
| (3) Hippuric Acid Liver Function test ... ... ... ... | 37 |
| (4) Calcium ... ... ... ... ... ... | 3 |
| (5) Creatinine ... ... ... ... ... ... | 2 |
| (6) Urobilinogen Estimation ... ... ... ... ... | 3 |
| (7) Chlorides Estimation ... ... ... ... ... | 1 |
| (8) Phosphorus ... ... ... ... ... ... | 1 |
| (9) Bile salts ... ... ... ... ... ... | 2 |
| 2. Blood:— | |
| (a) Determination of Chemical Constituents:— | |
| (1) Albumin ... ... ... ... ... ... | 422 |
| (2) Bilirubin ... ... ... ... ... ... | 3 |
| (3) Calcium ... ... ... ... ... ... | 31 |
| (4) Chlorides ... ... ... ... ... ... | 23 |
| (5) Cholesterol ... ... ... ... ... ... | 138 |
| (6) Creatinine ... ... ... ... ... ... | 6 |
| (7) Fibrinogen ... ... ... ... ... ... | 2 |
| (8) Globulin ... ... ... ... ... ... | 422 |
| (9) Glucose (Fasting level) ... ... ... ... ... | 59 |
| (10) Non-Protein nitrogen ... ... ... ... ... | 721 |
| (11) Phosphorus, Inorganic ... ... ... ... ... | 7 |
| (12) Potassium ... ... ... ... ... ... | 17 |
| (13) Protein, Total ... ... ... ... ... ... | 464 |
| (14) Sodium ... ... ... ... ... ... | 18 |
| (15) Uric Acid ... ... ... ... ... ... | 3 |
| (16) Urea Nitrogen ... ... ... ... ... ... | 683 |
| (b) Other Tests of Blood:— | |
| (1) Determination of Icteric Index ... ... ... ... | 282 |
| (2) Blood Sugar Tolerance Curve ... ... ... ... | 18 |
| (3) Van den Bergh Reaction ... ... ... ... ... | 274 |
| (4) Urea Clearance ... ... ... ... ... ... | 57 |
| (5) Urea Concentration ... ... ... ... ... | 1 |
| (6) Carbon Monoxide ... ... ... ... ... ... | 1 |
| (7) Takata-Ara ... ... ... ... ... ... | 32 |
| (8) Serum Diastase ... ... ... ... ... ... | 17 |
| (9) Prothrombin Time... ... ... ... ... ... | 64 |
| (10) Fragility of Erythrocytes ... ... ... ... ... | 11 |
| (11) Phosphatase (alkaline) ... ... ... ... ... | 33 |
| (12) Phosphatase (Acid N) ... ... ... ... ... | 22 |
| 3. Cerebro spinal fluid:— | |
| Determination of Chemical constituents:— | |
| (1) Chlorides ... ... ... ... ... ... | 876 |
| (2) Glucose ... ... ... ... ... ... | 27 |
| 4. Cerebro spinal fluid: Lange's Colloidal Gold Test ... ... ... ... | 33 |
| 5. Examination of Gastric contents (Fractional Method) ... ... ... | 1,064 |
| 6. Ascitic Fluid:— | |
| (1) Chlorides ... ... ... ... ... ... | 1 |
| (2) Takata Ara Test ... ... ... ... ... ... | 13 |
| (3) Total Protein ... ... ... ... ... ... | 4 |
| 7. Aspirated Fluids (Chemical analysis)— | 1 |
| 8. Some special tests:— | |
| (a) Keppler's test ... ... ... ... ... ... | 1 |
| (b) Fat estimation of stool ... ... ... ... ... ... | 3 |
| (c) Hydrocele Fluid ... ... ... ... ... ... | 1 |
| (d) Fluid from a Fistula ... ... ... ... ... ... | 1 |
| | 5,910 |

We thank the Director, the Haffkine Institute, for carrying out for us some special bacteriological investigations.

## AUTOPSY SECTION

572 autopsies were performed during the year 1952 as against 433 in 1951 and 423 in 1950. A detailed record of every autopsy together with the investigations carried out is filed up. The total number of 572 autopsies include the following performed on bodies received from other institutions specified below:—

| | |
|---|---|
| Acworth Leper Home ... ... ... ... ... ... | 25 |
| Nowrosjee Wadia Maternity Hospital ... ... ... ... | 2 |
| Municipal General Hospital, Sion ... ... ... ... | 121 |
| Infectious Diseases Hospital, Arthur Road ... ... ... ... | 1 |

We are grateful to the authorities of the above institutions for giving us the opportunity.

The records are carefully scrutinized and the findings indexed. A typed summary of the autopsy findings is sent to the respective hospitals for filing with the original case papers.

The following table gives the number of Paraffin blocks prepared for Histological Examinations from the Autopsy material and the surgical tissues from 1st January 1952 to 31st December 1952, together with the figures for the previous years.

| Year. | Blocks of Post-Mortem organs. | Blocks of tissues from the surgical side of the K. E. M. Hospital. and from out-side. | Tissues received from enquiries under the I.C. M.R. | Total. |
|---|---|---|---|---|
| 1952 ... | 3269 | 3789 | ... | 7058 |
| 1951 ... | 2238 | 3359 | ... | 5597 |
| 1950 ... | 2480 | 3277 | 310 | 6067 |

## The Blood Bank

| | | |
|---|---|---|
| Number of Blood Samples Collected | ... | 1832 |
| Number of Plasma separated | ... | 252 |
| Number of Blood Samples supplied for Transfusion | ... | 1566 |
| Grouping and Matching of Blood for Transfusion | ... | 2195 |
| Number of Samples of Blood discarded | ... | 2 |
| Number of Blood samples used as High Titre Serum for blood groups | ... | 12 |

## (B) Out-Patients Department Laboratories

Pathological investigations were carried out in the Out Patients Department Laboratories as under:—

| | | |
|---|---|---|
| Red Blood Corpuscles and Haemoglobin | ... | 2056 |
| White Blood Corpuscles, Total and Differential | ... | 3483 |
| Stool routine | ... | 1678 |
| Urine routine | ... | 3136 |
| Sputum routine | ... | 613 |
| Semen | ... | 445 |
| Treponema Pallidum | ... | 1124 |
| Prostatic smear | ... | 1411 |
| Thread smear | ... | 589 |
| Urethral smear | ... | 760 |
| Cervical smear | ... | 190 |
| Ear snip | ... | 87 |
| Skin snip | ... | 94 |
| Collection of Blood for K. T. | ... | 5653 |

## APPENDIX No. 19

*A statement showing the work done at the Family Health Centre in the K. E. M. Hospital during the year* 1952:—

| Particulars | | Families. | Members. | Average No. of members in a family. |
|---|---|---|---|---|
| Registered | ... | 146 | 544 | 3.48 |
| Examined | ... | 99 | 345 | |
| Re-examined | ... | 25 | 88 | |
| World University students Registered | ... | | 46 | |
| Examined | ... | | 45 | |
| Investigations— | | | | |
| Blood | ... | | 377 | |
| Urine | ... | | 351 | |
| Stool | ... | | 8 | |
| Visits by the Health Visitor | ... | 632 | | |

## APPENDIX No. 20

A report of the Physio Therapy Centre of the K. E. M. Hospital showing the number of patients treated with classifications of conditions for which they were treated.

Patients treated by

| | | |
|---|---|---|
| (1) Parafiin Wax baths | ... | 384 |
| (2) Massage | ... | 330 |
| (3) Remedial exercises | ... | 1,614 |
| (4) Actino-therapy (infra-red at radiant heat) | ... | 176 |

*Physiotherapy statement October 1952 to March 1953 :—*

Patients treated by

| | | |
|---|---|---|
| (1) Short wave diathermy | ... | 1,120 |
| (2) Ultra-violet irradiation | ... | 169 |
| (3) Low frequency currents (galvanic at interrupted faradic) | ... | 34 |
| (4) Ultra-sonic therapy | ... | 25 |
| (5) Hydrotherapy (contrast baths, hot water exercises, etc.) | ... | 73 |

| CLASSIFICATION. | Nos. |
|---|---|
| **I.—Post-Traumatic Conditions—** | |
| A.—FRACTURES— | |
| (1) Upper extremity (humerus, radius, ulna) | 32 |
| (2) Involving elbow ... | 8 |
| (3) Colles' fracture ... | 100 |
| (4) Hand and fingers | 328 |
| (5) Skull (frontal bone) | 1 |
| (6) Clavicle | 2 |
| (7) Scapula | 2 |
| (8) Spine | 50 |
| (9) Pelvis | 2 |
| (10) Lower extremity (femur, tibia, fibula) | 84 |
| (11) Patella | 25 |
| (12) Pott's fracture | 20 |
| B.—DISLOCATIONS— | |
| (1) Shoulder | 6 |
| (2) Hip | 4 |
| (3) Knee | 2 |
| C.—AMPUTATIONS— | |
| (1) Forearm | 1 |
| (2) Finger | 19 |
| (3) Above knee | 5 |
| (4) Below knee | 10 |
| (5) Foot | 1 |
| D.—CONTUSIONS— | |
| (1) Shoulder | 3 |
| (2) Elbow | 13 |
| (3) Wrist | 6 |
| (4) Thumb | 1 |
| (5) Thigh | 1 |
| (6) Knee | 9 |
| (7) Ankle | 2 |
| E.—SPRAINS— | |
| (1) Neck | 1 |
| (2) Shoulder | 1 |
| (3) Wrist | 8 |
| (4) Finger | 1 |
| (5) Knee | 4 |
| (6) Ankle | 18 |
| (7) Foot | 4 |
| F.—MISCELLANEOUS— | |
| (1) Haematoma | 1 |
| (2) Wounds | 5 |
| (3) Writer's Cramp ... | 4 |
| (4) Burns | 7 |
| (5) Abrasions | 3 |
| **II.—Rheumatic Conditions—** | |
| (A) Osteooarthritis | 415 |
| (B) Rheumatiod arthritis | 14 |
| (C) Multiple arthritis (polyarthritis) | 6 |
| (D) Septic Arthritis | 4 |
| (E) Myositis and Synovitis | 86 |
| (F) Spondylitis | 6 |
| (G) Bursitis | 1 |
| **III.—Neurological Conditions—** | |
| A.—CENTRAL NERVOUS SYSTEM (UPPER MOTOR NEURON)— | |
| (1) Quadruplegia | 1 |
| (2) Paraplegia | 21 |
| (3) Hemiplegia | 92 |
| (4) Diplegia | 3 |
| (5) Monoplegia | 9 |
| (6) Cerebral Palsy | 7 |
| (7) Cerebellar ataxia | 4 |

| Classification. | Nos. |
|---|---|
| (8) Paralysis agitans | 4 |
| (9) Disseminated sclerosis | 2 |
| (10) Transverse Mylelitis | 1 |
| (11) Toxic myelitis | 1 |
| (12) T. B. Meningitis | 1 |
| (13) Teritary syphillis | 1 |
| (14) Wilson's disease | 1 |
| (15) Tumors— | |
| (a) Brain | 1 |
| (b) Spinal | 3 |
| B.—Peripheral (Lower Motor Neuron)— | |
| (1) Prolapsed intervertebral disc. | 105 |
| (2) Poliomyelitis | 48 |
| (3) Brachial palsy (radial, ulnar, median) | 30 |
| (4) Bell's palasy (facial) | 14 |
| (5) Peroneal palsy | 1 |
| (6) Polyneuritis | 5 |
| (7) Radiculitis | 2 |
| (8) Cervical rib | 1 |
| (9) Trigeminal neuralgia | 1 |
| (10) Syringo-myelia | 1 |
| (11) Herpes zoster | 1 |
| **IV.—Deformities—** | |
| (A) Flat feet | 17 |
| (B) Scoliosis | 8 |
| (C) Volkmann's Ischemic contracture | 3 |
| (D) Talipes equinus | 2 |
| (E) Coxa vara | 1 |
| (F) Dorsal kyphosis | 1 |
| (G) Dupuytren's contracture | 1 |
| (H) Genu recurvatum | 1 |
| (I) Torti Collis | 1 |
| **V.—Post-Surgical Conditions—** | |
| (A) Constrictive pericarditis | 2 |
| (B) Arthroplasty, elbow | 1 |
| (C) Appendix (perforated) | 1 |
| (D) Empyema | 1 |
| (E) Mitral stenosis | 1 |
| (F) Pneumonectomy | 1 |
| (G) Whitlow | 1 |
| (H) Fallon's syndrome | 1 |
| **VI.—Medical Conditions—** | |
| (A) Pyemic abcess | 6 |
| (B) Bronchiectesis | 2 |
| (C) Asthma | 1 |
| (D) Enteritis | 1 |
| (E) Bronchitis | 1 |
| (F) Pneumonia | 1 |
| (G) Thrombo angeitis obliterans | 1 |
| (H) Thrombo-phebitis | 1 |
| **VII.—Miscellaneous Conditions—** | |
| (A) Tuberculosis (bone and joint) | 15 |
| (B) Faulty posture | 4 |
| (C) Osteomyelitis | 3 |
| (D) Labial sinus | 1 |
| (E) Muscular dystrophy | 1 |
| (F) Psychogenic tremor | 1 |
| **VIII.—Ultra Violet Radiation Treatments—** | |
| (A) Adenitis | 95 |
| (B) Deficiency diseases | |
| (1) Rickets | 20 |
| (2) Debility | 1 |
| (3) Scurvy | 1 |
| C.—Dermatitis— | |
| (1) Alopecia areata | 14 |
| (2) Psoriasis | 8 |
| (3) Leucoderma (Vitiligo) | 16 |
| (4) Folliculitis | 2 |
| (5) Eczema | 2 |
| (6) Scabies | 2 |
| (7) Allergic dermatitis | 1 |
| (8) Lupus erythematosis | 1 |
| D.—Other— | |
| (1) Burns (first and second degree) | 3 |
| (2) Abrasions | 1 |
| (3) Malaria | 1 |
| (4) Tonsillitis | 1 |
| Total | 1,941 |

## APPENDIX No. 21.

*Statements of accounts of the K.E.M. Hospital Poor Box Charity Fund for the year 1952-53.*

| Receipts. | | | Amount. | Disbursements. | Amount. |
|---|---|---|---|---|---|
| | | | Rs. a. p. | | Rs. a. p. |
| To Balance in hand on 31st March 1952 | | ... | 769 9 0 | By supply of costly medicines, injections etc., to poor patients ... | 21,512 9 0 |
| To Balance with the Central Bank of India Ltd. on 31-3-1952 | | ... | 34,885 14 10 | By Blood transfusions charges and cost of plasma ... | 15,035 0 0 |
| To Balance with C.A., Bombay Municipal Corporation on 31st March 1952 | | ... | 238 7 8 | By travelling expenses to patients ... | 167 11 0 |
| To Collections from Ward Boxes | | ... | 8,075 1 9 | By spectacles to patients ... | 292 0 0 |
| To Collection from out-patients department boxes | | ... | 5,694 7 9 | By appliances such as crutches, artificial limbs, hernia belts, etc. ... | 1,375 12 0 |
| To Donations | | ... | 27,930 13 3 | By deadstock—(Including two channels for E.E.G. machine. ... | 9,410 3 0 |
| To miscellaneous receipts | | ... | 660 5 6 | By miscellaneou expenses ... | 3,041 13 4 |
| To sale of Pharmacopeia | | ... | 2,099 8 0 | By Printing and Stationery ... | 291 15 0 |
| To contributions towards the cost of costly medicines, injections, artificial limbs etc. | | ... | 5,299 7 6 | By Establishment Charges ... | 1,455 0 0 |
| To Gift Shop, sale proceeds | | ... | 4,828 7 6 | By Gift shop, purchase of articles ... | 4,300 14 0 |
| To part payment of spectacles | | ... | 318 8 0 | By Payment of deposit account ... | 52,055 3 0 |
| *Interest—* | | | | By investment in 3½ per cent. Bombay Municipal Loan of the face value of Rs. 43,000 | 39,984 6 10 |
| Poor Box Account: Interest on current account | 95 11 0 ... | | | By investment by C.A., Bombay Municipal Corporation in 3 per cent. Municipal Debentures of the face value of Rs. 8,200 at par. | 8,223 3 0 |
| Interest on Securities for 1951-52 | 3,606 15 1 ... | | | By Cash in hand on 31st March 1953 ... | 1,172 3 6 |
| Interest on Security 1952-53 | 2,683 13 3 ... | | | By Cash in Central Bank of India Ltd. on 31st March 1953 ... | 30,675 4 3 |
| Convalescent Home Fund Account | | | | By Cash with the Chief Accountant, Bombay Municipal Corporation on 31-3-53 ... | 269 3 11 |
| Interest on securities for 1952-53 | 8,254 4 3 ... | | 14,640 11 7 | | |
| To contributions towards blood transfusion and supply of plasma | | ... | 24,323 0 0 | | |
| To collections on account of medical certificates | | ... | 6,265 0 0 | | |
| To receipts on account of deposits such as patients' money, moiety etc. | | ... | 53,233 9 6 | | |
| | Total | | 1,89,262 15 10 | Total | 1,89,262 15 10 |

## APPENDIX No. 22

*Balance Sheet of the Poor Box Charity Fund K.E.M. Hospital as on 31st March 1953.*

| Liabilities. | | Amount. | Amount. |
|---|---|---|---|
| | | Rs. a. p. | Rs. a p. |
| March 1952 | | | |
| Fund account balance on 31st March 1952 | ... | 3,80,358 7 10 | |
| Total interest on investments as per Chief Accountant's adjustment | | 8,254 4 3 | |
| *Add* —Excess of receipts over expenditure | ..... | 34,678 6 4 | |
| | | | 4,23,291 2 5 |
| Deposit Account— | | | |
| Patients money | ... | 91 5 0 | |
| Moiety amount of Resident Medical Officers | ..... | 462 8 0 | |
| Miscellaneous Deposits | ... | 5,102 8 0 | |
| | | | 5,656 5 0 |
| | Total ... | | 4,28,947 7 5 |

| Assets. | | | Amount. | Amount. |
|---|---|---|---|---|
| | | | Rs. a. p. | Rs. a. p. |
| March 1953 | | | | |
| Cash in hand | | ... | 1,172 8 6 | |
| Balance with the Central Bank of India, Ltd. | | ... | 30,675 4 3 | |
| Balance with Chief Accountant Bombay Municipal Corporation | | | 320 14 10 | |
| | | | | 32,168 11 7 |
| Investments (at cost)— | | | | |
| (1) 4 per cent. loan (1960-70) of the face value of | | ... 20,000 | 20,933 0 0 | |
| (2) 4 per cent. B.P T. Debentures (1968) of the face value of | | 3,000 | 3,333 12 0 | |
| (3) 4 per cent. B.P.T. Debentures (1969) | Do. | ... 500 | 555 10 0 | |
| (4) 4 per cent. B.P.T. Debentures (1973) | Do. | ... 500 | 555 10 0 | |
| (5) 4 per cent. B.I.T. Debentures (1962) | Do. | ... 500 | 465 0 0 | |
| (6) 4 per cent. B.I.T. Debentures (1965) | Do. | ... 1,000 | 930 0 0 | |
| (7) 4 per cent. B.I.T. Debentures (1972) | Do. | ... 10,000 | 9,300 0 0 | |
| (8) 4 per cent. B I.T. Debentures (1973) | Do. | ... 1,000 | 930 0 0 | |
| (9) 4 per cent. B.I.T. Debentures (1974) | Do. | ... 500 | 510 0 0 | |
| (10) 5 per cent. B. M. Debentures (1954-59) | Do. | ... 18,000 | 16,123 12 0 | |
| (11) 4 percent. B.M. Debentures (original) B.I T. Debentures | | 500 | 510 0 0 | |
| (12) 4 per cent. B.I.T. Debentures (1962) of the face value of | | 2,000 | 2,040 0 0 | |
| (13) 4 per cent. B.P T. Debentures (1967) | Do. | ... 6,500 | 6,862 8 0 | |
| (14) 4 per cent. B.P.T. Debentures (1965) | Do. | ... 1,500 | 1,530 0 0 | |
| (15) 4 per cent. B. M. Debentures (1968) | Do. | ... 500 | 510 0 0 | |
| (16) 3 per cent. B.M. Debentures | Do. | ... 36,000 | 35,998 13 0 | |
| (17) 3½ per cent. B.M. Debentures of the face value of | | ... 2,200 | 2,200 0 0 | |
| (18) 3 per cent. G.P. Note (Conv. Loan) 1946) | | ... 1,89,800 | 1,88,081 9 0 | |
| (19) 3½ per cennt B. M. Debentures of (1950) | | ... 10,500 | 10,425 0 0 | |
| (20) 3½ per cent. Bombay State Dev. Loan (1962) | | ... 40,000 | 39,975 0 0 | |
| (21) 3½ per cent. Treasury Savings Certificates | | ... 15,000 | 1,5000 0 0 | |
| (22) 3¼% Bombay Municipal Lone 1965 | | ... 43,000 | 39,506 4 0 | |
| | | 4,02,500 | 3,96,275 14 0 | 3,96,275 14 0 |
| Advances interest paid for the purchase of securities to be adjusted | | | ... | 502 13 10 |
| | | | Total ... | 4,28,947 7 5 |

# Bai Yamunabai L. Nair Charitable Hospital, & T. N. M. College

1. Dr. S. G. Vengsarkar, M.D., F.C.P.S., was permitted to avail himself of the W. H. O. Fellowship to proceed to U.S.A. and U.K. to study modern trends in medical education from 14th February 1952 to 31st May 1952 and was granted earned leave from 1st June 1952 to 16th July 1952 and Dr. L. Monteiro, M.D., Professor of Pathology and Bacteriology was asked to look after the duties of the Dean.

### Changes and leave arrangements of the staff.

Dr. T. H. Rindani, M.D., Professor of Physiology was permitted to avail himself of the Fellowship awarded by the Montreal University, Canada from 5th December 1952 and Dr. A.C. Duarte Monteiro, B.Sc., M.B.B.S. Asstt. Professor of Physiology, G. S. M. College was appointed as Asstt. Professor of Physiology at the T. N. M. College to look after the duties of Dr. T. H. Rindani.

Dr. U. K. Sheth, B.Sc., M.D., F.C.P.S., was appointed as Temporary Assistant Professor of Pharmacology and Materia Medica in the newly created post for a period not exceeding 3 years, from 1st September 1952. Dr. E. I. DeSouza was appointed as Assistant Professor of Anatomy from 11th September 1952 on Probation for 1 year.

Dr. V. A. Rane, a part-time Demonstrator in Physiology was appointed as Tetemporary Assistant Professor of Physiology for 6 months from 1st April 1952.

Drs. P. S. Huilgol and M. M. Teggihalli, Part-time Demonstrators in Anatomy were appointed as Temporary Assistant Professors of Anatomy for six months from 1st April 1952.

Dr. K. M. Shah, Part-time Demonstrator in Bacteriology was appointed as Temporary Assistant Professor of Pathology for six months from 1st April 1952.

Dr. S. S. Rau, M.D. (Madras), Honorary Physician and Lecturer in Medicine retired from the service due to superannuation from 22nd November 1952 and Dr. L. R. Patel, M.D., M.R.C.P., F.C.P.S., Honorary Assistant Physician and Assistant Lecturer in Medicine was appointed as Honorary Physician and Lecturer in Medicine from 23rd November 1952. Dr. M. M. Desai, M.D., F.C.P.S., F.R.F.P.S., D.T.M., and H., Honorary Assistant Physician (Out-patient department) was appointed as Honorary Assistant Physician and Assistant Lecturer in Medicine from 23rd November 1952 in the vacancy caused by the promotion of Dr. L. R. Patel.

Dr. D. H. Mulla, M.B.B.S., D.A., was appointed as Honorary Assistant Anaesthetist and Assistant Lecturer in Anaesthesia from 1st April 1952 on probation for one year in the vacancy caused by the promotion of Dr. J. H. Mehta, as Honorary Anaesthetist.

Dr. R. S. Mehta, M.D., has been appointed as Honorary Assistant Physician (Out-patient department) but has asked for time for joining the post. Dr. N. J. Kothari, was appointed as Honorary Lecturer in Psychiatry from 1st April 1952 till the end of the year on temporary basis.

Drs. V. G. Kale and T. H. Rindani, Assistant Professors of Anatomy and Physiology, were appointed as Professors of Anatomy and Physiology respectively from 5th May 1952 on probation for one year.

### Names of the Consultants.

Dr. P. F. Soonawala, M.D., continued to hold the post of Honorary Consulting Physician till the end of the year.

Dr. K. A. J. Lalkaka, M.B.B.S., continued to hold the post of Honorary Consulting Psychiatrist till the end of the year.

Dr. H. V. Tilak, B.Sc., M.B.B.S., F.R.C.S., F.C.P.S., continued to hold the post of Honorary Consulting Obstetrician and Gynaecologist till the end of the year.

### Advisory Medical Board

2. During the year under report, the Advisory Medical Board held 12 meetings.

### Bai Yamunabai L. Nair Charitable Hospital.

3. The number of beds in the Hospital was increased from 250 to 330 during the year. They were fully occupied during the year under report. The beds were distributed as under :—

| Department. | Men. | Women | Children. | Total. |
|---|---|---|---|---|
| Medical ... | 60 | 24 | ... | 84 |
| Surgical ... | 62 | 18 | ... | 80 |
| Ophthalmic ... | 10 | 6 | 2 | 18 |
| Gynaecological ... | ... | 20 | ... | 20 |
| Skin and Venereal Diseases ... | 6 | 2 | 2 | 10 |
| Aural ... | 9 | 5 | 2 | 16 |
| Orthopaedic ... | 11 | 7 | 2 | 20 |
| Paediatric ... | ... | ... | 25 | 25 |
| Maternity ... | ... | 40 | ... | 40 |
| T. B. ... | 7 | ... | ... | 7 |
| Dental ... | 2 | 2 | ... | 4 |
| Others ... | 4 | 2 | ... | 6 |
| Total ... | 171 | 126 | 33 | 330 |

The total number of patients admitted during the year 1952 was 11,450 against 8,125 and 9,803 during 1950 and 1951 respectively.

## Number of Patients treated in 1952 and Total Expenditure during the year 1952-53.

4. The Statistical tables attached to this report record in detail the number, attendance, etc., in all the departments of the Hospital and the number and nature of operations performed during the period under report. So far as the In-patient work was concerned, there were often extra patients over the scheduled number in the Hospital, the maximum number of In-patients on a single day being 346.

| Particulars. | | Figures for the year 1952. | Figures for the year 1951. |
|---|---|---|---|
| *A.—In-Patients.* | | | |
| (1) Scheduled strength of Beds | ... | 330 | 250 |
| (2) Daily average number of In-patients | ... | 295.52 | 240.41 |
| (3) Total number of New In-patients treated | ... | 11,450 | 10,036 |
| (4) Average number of days each patient was resident | ... | 9.25 | 8.95 |
| *B.—Out-Patients.* | | | |
| (1) Total number of New out Patients | ... | 78,875 | 62,936 |
| (2) Daily average number of New Out-patients | ... | 254.43 | 203.02 |
| (3) Total number of out-patients attendance (excluding Casualty cases) | ... | 215,219 | 186.437 |
| (4) Daily average number of out-patients attendance | ... | 719.36 | 601.41 |
| (5) Total number of Casualty patients | ... | 7,785 | 4,966 |
| *C.—Operations.* | | | |
| (1) Total number of operations on in-patients | ... | 4,494 | 4,114 |
| (2) Total number of operations on out-patients | ... | 4,665 | 1,435 |

5. Out of the total number of 11,679 in-patients, (11,450 admitted during the year under report and 229 previous year's balance), 5,405 were cured 3779 were relieved 1561 either left the Hespital against medical advice or were otherwise discharged and 647 died, leaving a balance of 287 patients at the end of the year. Out of 647 deaths, 129 died within the first 24 hours of admission, 87 died after 24 hours but within 3 days of admission and the remaining 431 died 3 days after admission into the Hospital.

6. The highest number of out-patients attendance on any one day during the year 1952 was 1,078, the highest number of new admissions in the outdoor department on a single day was 459, likewise the highest number on a single day of old cases treated was 684 and that of in-patients admitted 56.

## Expenditure.

7. The total expenditure incurred on the maintenance of the Hospital during the year, including liabilities outstanding at the end of the year amounting to Rs. 13,01,093 inclusive of Dearness Allowance of Rs. 1,89,079. This expenditure included the cost of maintenance and treatment of in-patients, the cost of the out-patients department, the Resident Medical, Nursing and Labour Staff as well as that of the staff for administration and the maintenance and repairs of buildings etc.

8. The following table illustrates the relative cost per in-patient and out-patient per day during the year 1952-53, 1951-52 and 1950-51, respectively.

| Particulars | | 1952-53 | 1951-52 | 1950-51 |
|---|---|---|---|---|
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| (*a*) Average cost per in-patient per day | ... | 8 2 10 | 8 3 6 | 6 1 4 |
| (*b*) Average cost per out-patient | ... | 1 0 10 | 0 15 4 | 1 3 4 |

9. The details of the cost per in-patient for 1952-53, 1951-52 and 1950-51 are shown in the following table:—

| Year. | | Diets. | Drugs Dressings etc. | Stores and Linen. | Heating and Lighting and Repairs. | Establishment. | Total. |
|---|---|---|---|---|---|---|---|
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 1952-53 | ... | 1 3 10 | 1 3 8 | 0 5 2 | 0 3 0 | 5 3 2 | 8 2 10 |
| 1951-52 | ... | 1 3 4 | 1 2 3 | 0 4 7 | 0 2 2 | 5 7 2 | 8 3 6 |
| 1950-51 | ... | 1 3 0 | 0 15 7 | 0 5 8 | 0 2 9 | 3 6 4 | 6 1 4 |

10. The following table gives the average cost of every new out-patient admission completely treated during the year in comparison with that of the previous two years :—

| Year. | Drugs Dressings etc. | Stores and Linen. | Heating and Lighting and Repairs. | Establishment. | Total. |
|---|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 1952-53 ... | 0 4 7 | 0 0 1 | 0 0 6 | 0 11 8 | 1 0 10 |
| 1951-52 ... | 0 3 9 | 0 0 1 | 0 0 6 | 0 11 0 | 0 15 4 |
| 1950-51 ... | 0 3 5 | 0 0 1 | 0 0 5 | 0 13 5 | 1 3 4 |

11. *Accident Cases.*—The following table shows the number of accident cases treated during the year under report in comparison with that of the previous year.

| Sex. | Treated in Casualty Department. | | Admitted from Casualty. | |
|---|---|---|---|---|
| | 1952-53 | 1951-52 | 1952-53 | 1951-52 |
| Male ... | 6,002 | 3,940 | 450 | 516 |
| Female ... | 879 | 575 | 104 | 100 |
| Children ... Male ... | 616 | 314 | 82 | 88 |
| Children ... Female ... | 288 | 137 | 34 | 32 |
| Total ... | 7,785 | 4,966 | 670 | 736 |

12. 4649 Certificates were issued during the year under report as shown below :—

| | | |
|---|---|---|
| Certificates under workmen's compensation Act | "A" Form ... | 95 |
| Do. | Do. "B" Form ... | 531 |
| Medical Opinion | ... | 398 |
| Police Certificate | ... | 1,046 |
| Municipal Employees—Certificates of injuries Form VII/382 | ... | 130 |
| Insurance certificates | ... | 16 |
| Ordinary certificates | ... | 2,405 |
| Injury certificates to parties | ... | 28 |

13. 74 poisioning cases were treated in the hospital during the year under report.

14. *Nursing Staff.*—The arrangements of sending two nurses for two months to the Arthur Road Hospital for training in infectious diseases continued during the year.

15. During the year, 70 student Nurses were undergoing training in the Hospital, 16 Nurses passed the Junior Examination and 9 Nurses passed he Senior Examination of the Bombay Nursing Council. The rest would be due for examination in the year 1953-54.

The cost of the Nursing establishment worked out to Rs. 148 per nurse per mensem against Rs. 166 in the preceding year. It included not only the salary, uniform and dhobi allowances, honorarium (paid to the medical staff for giving instruction in the nursing school) but also their mess charges, cost of electric energy consumed and repairs to their quarters and the house-hold linen and crockery.

16. Midwifery training was started at this hospital from 1st December 1952 and six student nurses were undergoing training.

17. A proposal to institute the Nurses Welfare Fund is still under consideration.

18. *Co-operative Credit Society, Ltd.*—The Co-operative Credit Society of the Staff of the B. Y. L. Nair Charitable Hospital and T. N. M. College worked satisfactorily during the year. The total number of members on the roll at the end of December 1952 was 223 as against 227 in the previous year.

The Share Capital of the Society amounted to Rs. 15,567 on 31st December 1952 as against Rs. 8,271 on the corresponding date of the previous year. A sum of Rs. 13,395 was granted as loans during the year as against 6,645 in the previous year. The accounts of the Society showed a profit of Rs. 366 on 31st December 1952. The accounts of the Society were audited by the Government Auditors upto 31st December 1951 and by Messrs. P. G. Bhagwat, Chartered Accountants and approved Government Auditors upto 31st December 1952. The Government Auditors remarked that the accounts of the Society were well maintained.

19. *Poor Patients Fund.*—During the year under report, Blood transfusions were provided to 184 cases out of which 90 cases were given the blood of paid donors to whom payment was made out of the Poor Patients Fund.

20. *Donations to the Poor Patients' Fund.*—Donations to the extent of Rs. 2,385 were received during the year 1952-53 and Rs. 10,511-7-9 were collected from the boxes kept in wards and out-door departments.

21. The equipment required for the Blood Bank was being purchased and the Blood Bank would start working shortly.

22. *List of Donors and Articles donated.*—The following articles were donated to the Poor Patients Fund during the year under report:—

| Name of the Article. | Name of the Donor |
|---|---|
| Wheel Chair, 1 No. ... ... ... | Shri Virandra J. Patel. |
| Teapoy wooden without glass, 2 Nos. ... ... | Smt. Sagunabai Patwardhan. |
| Artery Forceps, 3 Nos.<br>Dissecting forceps with teeth, 2 Nos.<br>without teeth 2 Nos.<br>Speculam 1 No. | Mrs. Kunda Rajaram. |
| Hand lamp, 1 No. ... ... ... | Shri W. Countinho. |
| Trocar & Canula, 1 No.<br>Sternal Puncture Needle, 1 No.<br>Complete set of saline apparatus, 1 No. | Shri K. W. Anadhani. |
| Stapling machine, 1 No. ... ... ... | Shri P. M. Chotuk. |
| Easy chair folding with handle, 1 No. ... | Shri Meghji Jetha. |
| Artery Forceps 6", 2 Nos. ... ... | Shri S. B. Dave. |
| Do. ... ... | Shri Haji Sayadali. |
| Stop watch, 1 Nlo. ... ... ... | Mrs. Ramabai Gumaste. |
| Dissecting forcep, 1 No. ... ... ... | Mrs. Coutinho. |
| Eye Needle half curved triangular, 6 gross<br>Needle flaxo, 6 Dz.<br>Artery forceps, 6 Nos.<br>Cheatle, forceps, 2 Nos.<br>Kochar, 3 Nos.<br>Magils tubes, 2 Nos.<br>Tongue depressor, 4 Nos.<br>Bundle of riban gauze containing 10 rolls, 1 No.<br>co'ation<br>Small box eye instrument, 1 No.<br>Mucous catheter trap glsss for infant resuseitation, 1 No.<br>Tonsil needle, 1 No.<br>10 c.c. glass syringe Japan, 3 Nos.<br>Eye shields, 14 Nos.<br>Self retaining catheter ruber, 1 No.<br>Packet of Aureomycin gauze, 1 No.<br>Di secting forceps, 3 Nos.<br>Gigles saws, 34 Nos. | Messrs. Bombay Surgical Co. |
| Isonex tablets, 30 tablets ... ... ... | Messrs. East Asiatic Co. (India), Ltd. |
| Inj. Irggapyrine 1×3 Amps. 150 boxes ... | Messrs. AmalgamatedChemist &Dyestuff'sCo.Ltd. |
| Inj. Dyhyrdrostreptomycin solution 499 bulbs (1gm. each)<br>Inj. Oestradiol Monolengoate 1 c.c. 5 mg., 250 Ams. | Messrs. Martin & Harris Ltd. |
| Inj. Laetofravin (1×6 amps.), 237 boxes<br>Tablets laetofravin tubes (1×20 tabs.), 308 tubes | Messrs. Jerbai Wadia Hospital for Children. |
| Inj. Dihydrostreptomicin, 1 gm. each, 19 bulbs<br>Inj. Spemicin, 20bulbs | Messrs. Volkart Brothers. |
| Tablets croyoquin, 53 tabs.<br>Tablets vibex, 25 tabs.<br>Opthalmolose crusi noviform, 1 tube<br>Tablets soda Mint, 64 tabs.<br>Tablets, Fersolate, 94 tabs.<br>Dewif's pills, 360 tabs.<br>Tablets Bellfoline, 13 tabs. | Miss Kanga. |
| Godries, 36 Nos.<br>Baby Napkins, 48 Nos.<br>Hygia feeding bottles, 6 Nos.<br>Trolly with glass top and one tray and bowl, 1 No.<br>Baby powder, 12 tins<br>Teat for Hygia, bottles, 12 Nos.<br>Trays wooden, 6 Nos.<br>Biscuits Parle's, 2 tins<br>Table lamps, 4 Nos.<br>Wheeled chair, 1 No.<br>Lux Soap, 48 Nos.<br>Baby Knickers, 48 Nos.<br>Ice box, 1 No.<br>Hoover's washing machine, 1 No.<br>Diapers, 108 Nos. | Messrs. Red Cross. |
| Ice Box, 1 No. ... ... ... ... | Shri V. M. Mehta. |
| Ice Box, 1 No. ... ... ... ... | Shri N. A. M. Bhasir. |
| Radio, 1 No. ... ... ... ... | Shri J. Pinto. |
| Table Fan, 1 No. ... ... ... | Shri N. K. Karle. |
| Mirror, 1 No. ... ... ... ... | Shri K. M. Jain. |

| Name of the Article. | Name of the Donor. |
|---|---|
| Flower pot, 1 No.<br>Brass cups, 20 Nos.<br>Brass Saucers, 20 Nos. | Smt. Satyawatiben Mehta. |
| Flower pot, 1 No. ... | Shri R. B. Rawal. |
| Call Bells, 1 No.<br>Lime, 1 No.<br>Feeding cups, 2 Nos.<br>Tea spoons, 4 Nos. | Shri R. B. Rawal. |
| Rs. 1,500 ... ... ... ... | Messrs. Nathoo Mulji (through Dr. L. R. Patel). |
| Rs. 101 ... ... ... ... | Shri Thakordas Bhagwandas. |
| Rs. 101 ... ... ... ... | Shri D. G. Desai. |
| Rs. 100 ... ... ... ... | Shri R. C. Basu. |
| Rs. 50 ... ... ... ... | Shri E. D'Cruz. |
| Rs. 50 ... ... ... ... | Smt. Lilabai L. Mehta. |

## TOPIWALA NATIONAL MEDICAL COLLEGE.

23. The University of Bombay continued the affiliation of this College for teaching of the courses of study leading upto M.B., B.S. Degree Examination for a further period of 3 years from June, 1952 subject to the fulfilment of certain conditions.

### Admissions.

24. During the year under report 60 (50 the usual number of seats allowed and 10 extra seats sanctioned by the University) fresh admissions were made which included 6 lady students. In addition to this, 7 students were admitted to the M.B., B.S. Condensed Course.

### Students.

25. The number of under-graduate students on the College roll at the close of the year was 367 which included 56 lady students and that of post-graduate students was 34 including 8 lady students as shown below :—

| Class. | Male Students. | Lady Students. | Total. |
|---|---|---|---|
| 1st M.B., B.S. 1st year ... ... | 56 | 4 | 60 |
| 1st M.B., B.S. 2nd year ... ... | 52 | 10 | 62 |
| 2nd M.B., B.S. 3rd year ... ... | 51 | 10 | 61 |
| 2nd M.B., B.S. 4th year ... ... | 54 | 16 | 70 |
| 3rd M.B., B.S. 5th year ... ... | 24 | 7 | 31 |
| 3rd M.B., B.S. Condensed ... ... | 1 | ... | 1 |
| 2nd M.B., B.S. Condensed ... ... | 4 | 1 | 5 |
| 5th year L.C.P.S. ... ... | 1 | ... | 1 |
| 3rd year M.C.P.S. ... ... ... | 1 | ... | 1 |
| 4th year M.C.P.S. ... ... ... | 5 | ... | 5 |
| 5th year M.C.P.S. ... ... ... | 2 | ... | 2 |
| Casuals ... ... ... ... | 60 | 8 | 68 |
| Total ... | 311 | 56 | 367 |
| Post-graduate students ... | 26 | 8 | 34 |
| Grand Total ... | 337 | 64 | 401 |

26. The authorities of the Cama and Albless Hospital gave facilities to the lady students of this College for attending the labour cases in their Hospital.

27. The results of the various examinations for which the students were sent up by this College were as under :—

| Examinations | | Candidates sent up. | Candidates passed |
|---|---|---|---|
| 1st M.B., B.S. ... | April 1952 ... | 82 | 50 |
| | October 1952 ... | 32 | 17 |
| 2nd M.B., B.S. ... | April 1952 ... | 29 | 26 |
| | October 1952 ... | 13 | 13 |
| 3rd M.B., B.S. ... | April 1952 ... | 72 | 28 |
| | October 1952 ... | 59 | 26 |
| Final L.C.P.S. ... | April 1952 ... | 8 | 1 |
| | October 1952 ... | 4 | 1 |
| 1st M.C.P.S. ... | April 1952 ... | 1 | *Nil.* |
| | October 1952 ... | 2 | 1 |
| 2nd M.C.P.S. ... | April 1952 ... | 1 | 1 |
| | October 1952 ... | 2 | *Nil.* |
| 3rd M.C.P.S. ... | April 1952 ... | *Nil.* | *Nil.* |
| | October 1952 ... | 1 | *Nil.* |
| | Total ... | 306 | 164 |

## Annual Cost and Revenue.

28. The total expenditure of the college amounted to Rs. 3,71,525 during th year under report as against Rs. 2,71,098 during the previous year. The net revenue of the college by way of tution fees, miscellaneous receipts etc., amounted to Rs. 1,23,604 as against Rs. 1,19,301 during the preceeding year.

A sum of Rs. 2,18,631-0-9 was received from the Government as grant-in-aid for the year 1950-51.

29. *Library.*—New books and periodicals on different medical subjects were added to the Library. The total number of books added to the library was 279 against 186 in the preceding year. Out of these 49 were presented to the library as shown below :—

| | |
|---|---|
| Dr. S. G. Vengsarkar (Dean) | 10 |
| Unitarian Service Commission through— | |
| Dr. S. Z. Levine | 11 |
| G. S. M. College (Medical Annuals) | 16 |
| Dr. U. K. Sheth | 3 |
| Messrs. Lederle Laboratories | 3 |
| United States Information Services | 1 |
| Dierector General of Health Services | 1 |
| Messrs. I. C. I. Ltd. (Bombay) | 1 |
| Bombay Social Hygiene Council | 1 |
| Dr. L. Monteiro | 1 |
| Edinburgh University | 1 |
| Total | 49 |

30. *Periodicals.*—The College subscribed to 57 periodicals during the year under report as against 50 in the preceding year.

Ten more periodicals were donated to the Library as under :—

| | |
|---|---|
| (1) British Information Services | 2 |
| (2) The British Council Agra | 1 |
| (3) The Indian Medical Association | 1 |
| (4) Mayo Clinic Foundation | 1 |
| (5) The Editor Indian Physician | 1 |
| (6) W. H. O. | 1 |
| (7) Dr. S. G. Vengsarkar (Dean) | 1 |
| (8) Dr. K. S. Masalawala | 1 |
| (9) Dr. B. G. Vad | 1 |
| Total | 10 |

31. *Issues.*—The number of books and periodicals issued on the premises to the undergraduate and post-graduate students and the teaching staff of the Hospital and the College was 13,326 as against 6,289 in the previous year.

1,608 books and periodicals were issued on loan outside the library to the Medical Officers of the Bai Yamunabai L. Nair Charitable Hospital and the teaching staff of the Topiwala National Medical College as against 1,387 in the preceeding year.

42 Medical annuals which were duplicate in the library were given to the B. J. Medical College, Poona, Ahmedabad and the Haffkine Institute, Bombay.

The College had at the end of the year 2,908 books against 2,671 in the previous year.

## Museum.

32. *Pathology Museum.*—The total number of mounted specimens in the Museum was 389. 89 new specimens were added during the year.

The Professor of Pathology and Bacteriology, Seth G. S. M. College, and the Director, Haffkine Institute gave help in carrying out investigations and in supplying specimens for the Museum and tissues for teaching purposes.

33. *Anatomy Museum.*—34 wet and dry specimens were added to the Museum during the year and 12 specimens were renewed. The total number of specimens was 320 as against 293 during the previous year.

Students from different schools from Bombay and Suburban districts and nurses from the Nair Hospital were allowed to visit the Museum during the year.

34. *Embryology Museum.*—24 wet specimens and 124 clay specimens were in the Embryology Museum. (17 clay specimens being newly added this year).

35. *Research Work.*—The Enquiry under the auspices of the Indian Council of Medical Research on reasons of late abortions was in progress under the guidance of Dr. H. V. Tilak.

The following reseach works were being carried out in the Physiology Department.

(1) Study in creatinine coefficient among Indian Subjects by Shri S. N. Narayanrao.
(2) Effect of Physical and Chemical factors on the digestibility of starch by Shri Narayanrao.
(3) Pregnancy test using locally available male frogs (Rana Tigrinae) was in progress. The paper would be ready for publication by June 1953, by Dr. V. A. Rane.
(4) Preliminary work with regard to determination of the sex of unborn child by Injecting saliva of Pregnant woman in frogs was being carried out by Dr. V. A. Rane.
(5) *Pathology Department.*—The effect of high protein diet on urea clearance test.

36. *Artist Section.*—46 diagrams, 172 lantern slides and 345 photographs of the patients were prepared for the different sections of the college and hospital as shown below :—

| Department. | | Diagrams. | Lantern slides. | Photographs. |
|---|---|---|---|---|
| Pathology Department | ... | 11 | 162 | 15 |
| Physiology Department | ... | *Nil.* | *Nil.* | 24 |
| Embryology Section | ... | 15 labels | ... | ... |
| Gymkhana (College) | ... | 1 | *Nil.* | 6 |
| Indian Council of Medical Reserach | ... | 6 letter boards | ... | ... |
| Surgical Department | ... | *Nil.* | *Nil.* | 127 |
| Skin Department | ... | *Nil.* | *Nil.* | 89 |
| Gynaecology Department | ... | 6 | *Nil.* | 12 |
| Orthopaedic Department | ... | *Nil.* | *Nil.* | 50 |
| Radiology Department | ... | *Nil.* | 10 | *Nil.* |
| Ophthalmic Department | ... | *Nil.* | *Nil.* | 7 |
| Aural Department | ... | *Nil.* | *Nil.* | 1 |
| Dental College | ... | 7 | *Nil.* | 14 |

## Hostel.

37. The total expenditure incurred for the hostel was Rs. 1,482 while the income derived by way of hostel fees was Rs. 5,143. The number of students residing in the Hostel during the year under report was 57. Several applications for accommodation in the hostel had to be rejected for want of accommodation. There was no hostel accommodation for lady students. However, arrangements were made to accommodate some lady students in the Grant Medical College Hostel for lady students. A proposal for constructing a hostel for 120 students of this college at Haji Alli Park was under consideration of the Corporation.

## Gymkhana.

38. The Inaugural lecture of this year was delivered by Dr. V. R. Khanolkar, Director, Indian Cancer Research Centre, to the staff and students.

The Anniversary of Lokamanya Tilak was celebrated in the College when Dr. H. V. Tilak, B.Sc., M.B.B.S., F.R.C.S., F.C.P.S., was invited to preside on the occasion.

The Independance Day was celebrated when the Municipal Commissioner Shri B. K. Patel, I.C.S., hoisted the national flag and addressed the staff and students. This was followed by a variety entertainment.

A variety Entertainment was also arranged at the Bharatiya Vidya Bhuvan in aid of the Gymkhana Pavillian Fund when Dr. C. S. Patel, F.R.C.S., presided.

A Ball was arranged at the Taj Mahal Hotel in aid of Gymkhana Library Fund when Dr. S. J. Mehta, F.R.C.S., presided.

Republic Day was celebrated when Shri Shantilal Shah Minister of Health addressed the meeting.

39. The Annual Sports were held at the Grant Medical College Gymkhana. Dr. R. P. Soonawala was selected to represent the Bombay University in Hockey and Atheletics. He was also selected to represent Bombay State in All India Atheletics Tournament at Jubbulpore.

The College annexed the Dr. S. R. Nair's Trophy for the Inter Medical Debating Competition. Shri J. S. Mullye won the first prize in this competition, and Shri J. M. Mistry won the second prize.

## HOSPITAL AND COLLEGE STAFF

### Dean and Superintendent.

(1) Dr. S. G. Vengsarkar, M.D., F.C.P.S.

### Resident Medical Officers.

(1) Dr. V. B. X. Almeida, M.B.B.S.
(2) Dr. V. N. Panse, M.D.

### Professor of Anatomy.

(1) Dr. V. G. Kale, M.S., F.C.P.S.

### Assistant Professor of Anatomy.

(1) Dr. E. J. DeSouza, M.S.

### Professor of Physiology.

(1) Dr. T. H. Rindani, M.D.

### Assistant Professor of Bio-Chemistry and Biophysics.

(1) Shri S. N. Narayanrao, M.Sc.

### Assistant Professor of Physiology.

(1) Dr. A. C. Duarte Monteiro, B.Sc., M.B.B.S., Assistant Professor of Physiology.

### Professor of Pathology and Bacteriology.

(1) Dr. L. Monteiro, M.D.

**Assistant Professor of Pathology.**

(1) Dr. K. Raman M.D.

**Assistant Professor of Pharmacology and Materia Medica.**

(1) Dr. U. K. Sheth, B.Sc., M.D., F.C.P.S.

**Honorary Physicians and Lecturers in Medicine.**

(1) Dr. D. D. Bamji, M.D., F.C.P.S.
(2) Dr. V. V. Shah, M.D., M.R.C.P., M.R.C.P.E.
(3) Dr. Sureshchandra C. Sheth, M.D.
(4) Dr. S. S. Rau, M.D. (Retired from 22-11-1952).
(5) Dr. L. R. Patel, M.D., M.R.C.P., F.C.P.S., (Appointed from 23-11-1952 *vice* Dr. S. S. Rau, retired).

**Honorary Assistant Physicians and Assistant Lecturers in Medicine.**

(1) Dr. L. R. Patel, M.D., M.R.C.P., F.C.P.S., (Upto 22-11-1952).
(2) Dr. G. J. Kothari, M.D.
(3) Dr. N. M. Shah, M.D., M.R.C.P.
(4) Dr. F. P. Antia, B.Sc., M.D., M.R.C.P., M.S.
(5) Dr. M. M. Desai, M.D., F.C.P.S., F.R.F.P.S., D.T.M. and H.

**Honorary Surgeons and Lecturers in Surgery.**

(1) Dr. R. T. Desai, M.B.B.S., D.L.O., F.R.C.S.
(2) Dr. S. Patrao, B.Sc., M.D., M.S., F.C.P.S.
(3) Dr. V. K. Desai, M.B.B.S., L.R.C.P., M.R.C.S., F.R.C.S.
(4) Dr. A. B. C. Noronha, M.S.

**Honorary Assistant Surgeons and Assistant Lecturers in Surgery.**

(1) Dr. M. K. Vora, M.S.
(2) Dr. K. N. Dastur, B.Sc., M.S., F.R.C.S.
(3) Dr. V. G. Daftary, M.S.
(4) Dr. J. S. Shah, M.S.

**Honorary Pediatrician and Lecturer in Diseases of Children.**

(1) Dr. Shantilal C. Sheth, M.D., M.R.C.P., D.C.H., F.C.P.S.

**Honorary Assistant Pediatrician and Assistant Lecturer in Diseases of Childern.**

(1) Dr. N. S. Tibrewala, M.B.B.S., D.C.H., D.Ped.

**Honorary Physician (Tuberculosis) and Lecturer in Tuberculosis.**

(1) Dr. R. M. Patel, M.B.B.S., T.D.D.

**Honorary Assistant Physician (Tuberculosis) and Assistant Lecturer in Tuberculosis.**

(1) Dr. (Miss) Sundri G. Advani, M.B.B.S., (T.D.D.)

**Honorary Orthopaedic Surgeon and Lecturer in Orthopedic Surgery.**

(1) Dr. M. V. Sant, M.S.

**Honorary Assistant Orthopaedic Surgeon and Assistant Lecturer in Orthopaedic Surgery.**

(1) Dr. K. S. Masalawala, M.S., F.R.C.S.

**Honorary Ear, Nose and Throat Surgeon and Lecturer in Otolaryngology.**

(1) Dr. L. H. Hiranandani, M.B.B.S., D.L.O., F.R.C.S., F.C.P.S.

**Honorary Assistant Ear, Nose and Throat Surgeon and Assistant Lecturer in Otolarynogoly.**

(1) Dr. O. Chandra, M.S., D.L.O.

**Honorary Obstericians and Gynaecologists and Lecturers in Midwifery and Gynaecology.**

(1) Dr. J. N. Karande, M.D., F.C.P.S.
(2) Dr. K. C. Shah, M.B.B.S., M.R.C.O.G., D.C.H., L.M.

**Honorary Assistant Obsetricians and Gynaecologists and Assistant Lecturers in Modwifery and Gynaecology.**

(1) Dr. S. N. Garde, M.D., M.R.C.O.G.
(2) Dr. N. V. Mody, M.D., M.R.C.O.G., F.R.C.S.

**Honorary Ophthalmic Surgeon and Lecturer in Ophthalmology.**

(1) Dr. H. D. Patel, M.B.B.S., D.O., D.O.M.S.

**Honorary Assistant Ophthalmic Srugeon and Assistant Lecturer in Ophthalmology.**

(1) Dr. A. M. Gokhale, M.B.B.S., D.O., D.O.M.S.

**Refractionist.**

(1) Dr. R. Abreu, M.B.B.S., D.O., D.O.M.S.

**Honorary Radiologist and Lecturer in Radiology.**

(1) Dr. G. H. Nerurkar, M.B.B.S., D.M.R.E.

**Honorary Assistant Radiologist and Assistant Lecturer in Radiology.**

(1) Dr. C. T. Desai, M.B.B.S., D.T.M., D.M.R.E.

**Honorary Anaesthetist and Lecturer in Anaesthesia.**

(1) Dr. J. H. Mehta, M.B.B.S., D.A.

**Honorary Assistant Anaesthesist and Assistant Lecturer in Anaesthesia.**

(1) Dr. D. H. Mulla, M.B.B.S., D.A.

**Honorary Dermatologist and Venereologists and Lecturer in Dermatology and Venereology.**

(1) Dr. H. A. Choksey, M.B.B.S., M.R.C.P., F.C.P.S.

**Honorary Assistant Dermatologist and Venereologist and Assistant Lecturer in Dermatology and Venereology.**

(1) Dr. T. K. Mehta, M.B.B.S., D.V.D., F.C.P.S.

**Honorary Lecturer in Hygiene.**

(1) Dr. V. T. Wagh, M.B.B.S., B.Hy., D.P.H., L.M., D.T.M. and H.Y.

**Honorary Lecturer in Medical Jurisprudence and Toxicology.**

(1) Dr. F. Noronha, M.B.B.S., D.P.H., L.R.C.P., M.R.C.S.

**Honorary Lecturer in Psychiatry.**

(1) Dr. N. J. Kothari, M.D.

**Honorary Dental Surgeon and Lecturer in Dentistry.**

(1) Dr. M. K. Patel, D.D.S., F.I.C.S., D.M.D.

**Honorary Medical Officer (Ante Natal Department).**

(1) Dr. (Mrs.) Sharad Nanavati, M.D.

**Honorary Assistant Medical Officer (Ante Natal Department).**

(1) Dr. E. J. Sequira, M.D., F.C.P.S.

**Honorary Assistant Physician (Out Patient Department).**

(1) Dr. N. C. Amin, M.D., D.C.H. (appointed temporarily *vice* Dr. M. M. Desai, promoted as Hon. Asstt. Physician).

**Honorary Assistant Surgeon (Out Patient Department).**

(1) Dr. K. A. Dalal, M.B.B.S., F.R.C.S.

**Honorary Lecturer in Embryology.**

(1) Dr. S. R. Nair, B.Sc., M.B.B.S., F.C.P.S.

*Summary of in-patients (new) according to caste for the period from 1-1-1952 to 31-12-1952.*

| Caste. | Male. | Female. | Male Children. | Female Children. | Total. | Deaths. |
|---|---|---|---|---|---|---|
| Hindus ... | 3,076 | 3,534 | 557 | 424 | 7,591 | 438 |
| Muslims ... | 1,051 | 633 | 190 | 162 | 2,036 | 114 |
| Christians ... | 529 | 852 | 140 | 142 | 1,663 | 87 |
| Others ... | 78 | 48 | 11 | 23 | 160 | 8 |
| Total ... | 4,734 | 5,067 | 898 | 751 | 11,450 | 647 |

*Summary of out-patients (new) according to caste for the period from 1-1-1952 to 31-12-1952.*

| Caste. | Male. | Female. | Male Children. | Female Children. | Total. |
|---|---|---|---|---|---|
| Hindus ... | 26,778 | 13,041 | 5,293 | 4,050 | 49,162 |
| Muslims ... | 9,430 | 4,918 | 2,616 | 1,997 | 18,961 |
| Christians ... | 3,996 | 3,144 | 1,114 | 1,186 | 9,440 |
| Others ... | 609 | 381 | 189 | 133 | 1,312 |
| Total ... | 40,813 | 21,484 | 9,212 | 7,366 | 78,875 |

*Summary of out-pateints (old according to caste for the period from 1-1-1952 to 31-12-1952.*

| Caste | Male. | Female. | Male Children. | Female Children. | Total. |
|---|---|---|---|---|---|
| Hindus ... | 44,715 | 30,580 | 8,333 | 6,786 | 90,414 |
| Muslims ... | 17,836 | 11,754 | 4,358 | 3,451 | 37,399 |
| Christians ... | 5,370 | 6,267 | 1,623 | 1,615 | 14,875 |
| Others ... | 471 | 604 | 202 | 164 | 1,441 |
| Total ... | 68,392 | 49,205 | 14,516 | 12,016 | 1,44,129 |

*Summary of out-patients (New and old) according to caste from 1-1-1952 to 31-12-1952.*

| Caste. | Male. | Female. | Male Children. | Female Children. | Total. |
|---|---|---|---|---|---|
| Hindus ... | 71,493 | 43,621 | 13,626 | 10,836 | 1,39,576 |
| Muslims ... | 27,266 | 16,672 | 6,974 | 5,448 | 56,360 |
| Christians ... | 9,366 | 9,411 | 2,737 | 2,801 | 24,315 |
| Others ... | 1,080 | 985 | 391 | 297 | 2,753 |
| Total ... | 1,09,205 | 70,689 | 23,728 | 19,382 | 2,23,004 |

**Bai Yamunabai L. Nair Charitable Hospital, Bombay.**

*Summary of in-patients classified according to Department and Sex forthe period from 1-1-1952 to 31-12-1952*

| Department. | Sex. | In the Hospital on Mid-night of 31-12-51. | Admitted during the year 1952. | Total. | Discharged during the year. | Deaths. | In the Hospital on Mid-night on 31-12-52. |
|---|---|---|---|---|---|---|---|
| Medical ... | Male ... | 44 | 1,760 | 1,804 | 1,573 | 172 | 59 |
| | Female ... | 19 | 620 | 639 | 527 | 89 | 23 |
| Surgical ... | Male ... | 47 | 1,595 | 1,642 | 1,515 | 83 | 44 |
| | Female ... | 15 | 408 | 423 | 375 | 31 | 17 |
| Children | Male ... | ... | 118 | 118 | 100 | 12 | 6 |
| | Female ... | ... | 68 | 68 | 58 | 6 | 4 |
| Ophthalmic ... | Male ... | 5 | 241 | 246 | 236 | ... | 10 |
| | Female ... | 1 | 160 | 161 | 154 | ... | 7 |
| Children | Male ... | 1 | 14 | 15 | 15 | ... | ... |
| | Female ... | ... | 9 | 9 | 8 | ... | 1 |
| Gynaecological ... | Female ... | 9 | 506 | 515 | 489 | 9 | 17 |
| Skin and V. D. ... | Male ... | 6 | 131 | 137 | 131 | ... | 6 |
| | Female ... | 2 | 29 | 31 | 30 | ... | 1 |
| Children | Male ... | ... | 7 | 7 | 7 | ... | ... |
| | Female ... | ... | 11 | 11 | 11 | ... | ... |
| Aural ... | Male ... | ... | 553 | 553 | 544 | 6 | 3 |
| | Female ... | 3 | 356 | 359 | 354 | 3 | 2 |
| Children | Male ... | 4 | 242 | 246 | 243 | ... | 3 |
| | Female ... | ... | 272 | 272 | 270 | ... | 2 |
| Orthopaedic | Male ... | 9 | 214 | 223 | 210 | 1 | 12 |
| | Female ... | 2 | 73 | 75 | 71 | 1 | 3 |
| Children | Male ... | 1 | 44 | 45 | 44 | ... | 1 |
| | Female ... | ... | 23 | 23 | 22 | ... | 1 |
| Paediatric ... | Male ... | 10 | 469 | 479 | 347 | 120 | 12 |
| | Female ... | 9 | 367 | 376 | 269 | 96 | 11 |
| Maternity ... | Female ... | 36 | 2,907 | 2,943 | 2,898 | 6 | 39 |
| Tuberculosis ... | Male ... | 6 | 225 | 231 | 219 | 12 | ... |
| | Female ... | ... | 1 | 1 | 1 | ... | ... |
| Dental ... | Male ... | .... | 15 | 15 | 13 | ... | 2 |
| | Female ... | ... | 7 | 7 | 7 | ... | ... |
| Children | Male ... | .... | 4 | 4 | 3 | ... | 1 |
| | Female ... | ... | 1 | 1 | 1 | ... | ... |
| Total ... | | 229 | 11,450 | 11,679 | 10,745 | 647 | 287 |

## Bai Yamunabai L. Nair Charitable Hospital, Bombay.

*Summary of out-patients classified according to department and sex for the period from 1-1-1952 to 31-12-1952.*

| Department. | Sex. | O.P.D. New cases. | O.P.D. Old cases. | Total attendance. | Casualty cases. |
|---|---|---|---|---|---|
| Medical | Male | 15,683 | 26,462 | 42,145 | 842 |
| | Female | 7,653 | 15,210 | 22,863 | 17 |
| Surigical | Male | 7,741 | 24,971 | 32,712 | 4,762 |
| | Female | 1,917 | 4,861 | 6,778 | 822 |
| Children | Male | 1,017 | 2,668 | 3,685 | 568 |
| | Female | 555 | 1,811 | 2,366 | 265 |
| Ophthalmic | Male | 4,019 | 5,055 | 9,074 | 174 |
| | Female | 2,012 | 3,194 | 5,206 | ... |
| Children | Male | 572 | 843 | 1,415 | 1 |
| | Female | 637 | 1,028 | 1,665 | ... |
| Gynaecological | Female | 3,364 | 8,026 | 11,390 | ... |
| Skin and Venereal Diseases | Male | 3,384 | 5,498 | 8,882 | 4 |
| | Female | 765 | 1,450 | 2,215 | 1 |
| Children | Male | 544 | 569 | 1.113 | 1 |
| | Female | 431 | 356 | 787 | ... |
| Aural | Male | 3,198 | 3,906 | 7,104 | 7 |
| | Female | 1,842 | 3,078 | 4,920 | ... |
| Children | Male | 1,048 | 1,484 | 2,532 | 1 |
| | Female | 931 | 1,585 | 2,516 | ... |
| Orthopaedic | Male | 359 | 565 | 924 | 212 |
| | Female | 150 | 180 | 330 | 34 |
| Children | Male | 123 | 97 | 220 | 36 |
| | Female | 84 | 72 | 156 | 15 |
| Paediatric | Male | 5,292 | 8,885 | 14,147 | 9 |
| | Female | 4,440 | 7,164 | 11,604 | 8 |
| Maternity | Female | 2,803 | 13,073 | 15,876 | 5 |
| T. B. | Male | 427 | 1,935 | 2,362 | ... |
| | Female | 99 | 133 | 232 | ... |
| | Total | 71,090 | 1,44,129 | 2,15,219 | 7,785 |

# B. Y. L. Nair Charitable Hospital, Bombay.

*Statement of patients treated at the B. Y. L. Nair Charitable Hospital from 1-1-1952 to 31-12-1952. according to Disease*

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on mid-night of 31-12-51. | Admitted during 1952. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained on mid-night of 31-12-52. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | **I.—Infective and Parasitic Diseases.** | | | | | | | | | |
| | *Tuberculosis of respiratory system (001-008)* | | | | | | | | | |
| 001 | Respiratory tuberculosis with mention of occupational disease of lung ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 |
| 002 | Pulmonary tuberculosis ... | 6 | 367 | 373 | 9 | 28 | 315 | 21 | ... | 1186 |
| 003 | Pleural tuberculosis ... | ... | 11 | 11 | 1 | 3 | 6 | 1 | ... | 4 |
| 004 | Primary tuberculosis complex with symptoms ... | ... | 3 | 3 | ... | ... | 2 | 1 | ... | 1 |
| 005 | Tracheobronchial glandular tuberculosis with symptoms ... | ... | 3 | 3 | ... | 2 | ... | 1 | ... | ... |
| 006 | Radiological evidence suggestive of active respiratory tuberculosis not classifiable elsewhere ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 2 |
| 007 | Other respiratory tuberculosis ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 008 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Tuberculosis other forms (010—019).* | | | | | | | | | |
| 010 | Tuberculosis of meninges and central nervous system ... | 4 | 105 | 109 | 3 | 7 | 30 | 61 | 8 | 416 |
| 011 | Tuberculosis of intestines, peritoneum and mesenteric glands ... | ... | 74 | 74 | 30 | 14 | 15 | 15 | ... | 138 |
| 012 | Tuberculosis of bones and joints active or unspecified ... | 4 | 35 | 39 | 4 | 19 | 10 | 1 | 5 | 275 |
| 013 | Late effects of tuberculosis of bones and joints ... | ... | 3 | 3 | ... | 2 | ... | 1 | ... | 5 |
| 014 | Tuberculosis of skin and subcutaneous cellular tissue ... | 3 | 2 | 5 | ... | 3 | 2 | ... | ... | 10 |
| 015 | Tuberculosis of lymphatic system ... | 1 | 20 | 21 | 4 | 12 | 4 | ... | 1 | 330 |
| 016 | Tuberculosis of genito-urinary system ... | ... | 2 | 2 | ... | 2 | ... | ... | ... | 10 |
| 017 | Tuberculosis of adrenal glands ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 |
| 018 | Tuberculosis of other organs ... | ... | 3 | 3 | ... | 3 | ... | ... | ... | 51 |
| 019 | Disseminated tuberculosis ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| | *Syphilis and its sequelae (020-029).* | | | | | | | | | |
| 020 | Congenital syphilis ... | 1 | 12 | 13 | 2 | 4 | 6 | 1 | ... | 5 |
| 021 | Early syphilis ... | ... | 17 | 17 | ... | 12 | 5 | ... | ... | 30 |
| 022 | Aneurysm of aorta ... | ... | 4 | 4 | ... | ... | ... | ... | 4 | 32 |
| 023 | Other cardiovascular syphilis ... | ... | 6 | 6 | ... | 3 | 2 | 1 | ... | 4 |
| 024 | Tabes dorsalis ... | 2 | 1 | 3 | ... | 1 | 2 | ... | ... | 1 |
| 025 | General Paralysis of insane ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | 2 |
| 026 | Other syphilis of central nervous system ... | ... | 5 | 5 | ... | 2 | 3 | ... | ... | ... |
| 027 | Other forms of late syphilis ... | 2 | 6 | 8 | 3 | 3 | 2 | ... | ... | 52 |
| 028 | Latent syphilis ... | ... | ... | ... | ... | ... | ... | ... | ... | 41 |
| 029 | Syphilis unqualified ... | ... | 10 | 10 | 1 | 5 | 4 | ... | ... | 531 |
| | *Gonococcal infection and other venereal diseases (030 039).* | | | | | | | | | |
| 030 | Acute or unspecified Gonorrhoea ... | ... | 4 | 4 | ... | 4 | ... | ... | ... | 303 |
| 031 | Chronic Gonococcal infection of genito-urinary system ... | ... | 4 | 4 | ... | 2 | 2 | ... | ... | 5 |
| 032 | Gonococcal infection of joint ... | ... | 4 | 5 | 2 | 1 | 1 | ... | ... | ... |
| 033 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 034 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 035 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 036 | Chancroid ... | ... | 8 | 8 | ... | 8 | ... | ... | ... | 350 |
| 037 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 038 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 039 | Other and unspecified venereal diseases ... | 2 | 1 | 3 | ... | 2 | 1 | ... | ... | 213 |
| | *Infectious diseases commonly arising in intestinal tract (040-049).* | | | | | | | | | |
| 040 | Typhoid fever ... | 1 | 100 | 101 | 32 | 32 | 20 | 17 | ... | 129 |
| 041 | Paratyphoid fever ... | ... | 4 | 4 | 4 | ... | ... | ... | ... | 7 |
| 042 | Other salmonella infections ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 8 |
| 043 | Cholera ... | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| 044 | Brucellosis (Undulant fever) ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 045 | Bacillary Dysentery ... | ... | 82 | 82 | 32 | 24 | 3 | 23 | ... | 104 |
| 046 | Amoebiasis ... | ... | 54 | 54 | 7 | 33 | 12 | ... | 2 | 461 |
| 047 | Other Protozoal dysentery ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| 048 | Unspecified forms of dysentery ... | ... | 8 | 8 | 1 | 4 | 2 | 1 | ... | 51 |
| 049 | Food poisoning (infection and intoxication) ... | 13 | 13 | 6 | 4 | 3 | ... | ... | ... | 123 |
| | *Other Bacterial diseases (050-064).* | | | | | | | | | |
| 050 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 051 | Streptococcal sore throat ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 35 |
| 052 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 053 | Septicaemia and Pyaemia ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| 054 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 055 | Diphtheria ... | ... | 4 | 4 | ... | 2 | 2 | ... | ... | 4 |
| 056 | Whooping cough ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 187 |
| 057 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 058 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 059 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 060 | Leprosy ... | ... | ... | ... | ... | ... | ... | ... | ... | 99 |
| 061 | Tetanus ... | 2 | 56 | 58 | 16 | 13 | 5 | 22 | 2 | 72 |
| 062 | Anthrax ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| 063 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 064 | Other bacterial diseases ... | ... | 8 | 8 | 2 | 3 | 2 | 1 | ... | 169 |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. | | | | | | Out-patients. |
|---|---|---|---|---|---|---|---|---|
| | | Remained on 31-12-51. | Admitted during 1952. | Total. | Discharges. | | | |
| | | | | | Cured. | Relieved. | Otherwise. | Died. | Remained on mid-night of 31-12-52. | |
| | ***Spirochaetal diseases : except syphilis (070-074).*** | | | | | | | | | |
| 070 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 071 | Relapsing Fever | ... | ... | ... | ... | ... | ... | ... | ... | 26 |
| 072 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 073 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 074 | Other spirochaetal and lepto-spirochaetal infections | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | ***Diseases attributable to Viruses (080-096).*** | | | | | | | | | |
| 080 | Acute Poliomyelitis | ... | 2 | 1 | 3 | ... | ... | ... | ... | 3 | 49 |
| 081 | Late effects of acute Poliomyelitis | ... | 1 | 3 | 4 | ... | 1 | 3 | ... | ... | ... |
| 082 | Acute infectious encephalitis | ... | 2 | 4 | 6 | ... | 3 | 1 | 1 | 1 | ... |
| 083 | Late effects of acute infectious encephalatis | ... | ... | 5 | 5 | 1 | 2 | 2 | ... | ... | ... |
| 084 | Small-pox | ... | ... | 2 | 2 | ... | ... | 2 | ... | ... | 8 |
| 085 | Measles | ... | ... | 12 | 12 | 1 | 4 | 7 | ... | ... | 4 |
| 086 | Rubella (German measles) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| 087 | Chickenpox | ... | ... | 3 | 3 | ... | ... | 3 | ... | ... | 1 |
| 088 | Herpes Zoster | ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 48 |
| 089 | Mumps | ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | 93 |
| 090 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 091 | Yellow fever | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 092 | Infectious hepatitis | ... | 2 | 60 | 62 | 16 | 24 | 7 | 13 | 2 | 231 |
| 093 | Glandular fever (infectious mononucleosis) | | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| 094 | Rabies | ... | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | 355 |
| 095 | Trachoma | ... | ... | 6 | 6 | ... | 1 | 2 | 1 | 2 | 588 |
| 096 | Other diseases attributable to viruses | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 |
| | ***Typhus and other rickettsial diseases (100-108).*** | | | | | | | | | |
| 100 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 101 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 102 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 103 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 104 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 105 | Mite-borne typhus | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 106 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 107 | Typhus unspecified | ... | ... | 3 | 3 | 1 | ... | 2 | ... | ... | ... |
| 108 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | ***Malaria (110-117).*** | | | | | | | | | |
| 110 | Vivax Malaria (benign tertian) | ... | ... | 53 | 53 | 25 | 23 | 2 | 2 | 1 | 1147 |
| 111 | Malariae Malaria (Quartan) | ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 112 | Falciparum Malaria (malignant tertian) | ... | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| 113 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 114 | Mixed Malarial infections | ... | ... | 1 | 1 | 1 | | ... | ... | ... | ... |
| 115 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 116 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 117 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | ***Other infective and parasitic diseases.*** | | | | | | | | | |
| 120 | Leishmaniasis | ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 121 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 122 | Other Protozoal diseases | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 123 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 124 | Other trematode infestation | ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 125 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 126 | Other cestode infestation | ... | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... |
| 127 | Filariasis | ... | 1 | 7 | 8 | 1 | 3 | 4 | ... | ... | 68 |
| 128 | Trichiniasis | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| 129 | Ankylostomiasis | ... | ... | 45 | 45 | 14 | 27 | 4 | ... | ... | 32 |
| 130 | Infestation with worms of other mixed and unspecified type | ... | ... | 31 | 31 | 7 | 13 | 11 | ... | ... | 500 |
| 131 | Dermatophytosis | ... | ... | ... | ... | ... | ... | ... | ... | ... | 29 |
| 132 | | ... | 0 | ... | ... | ... | ... | ... | ... | ... | ... |
| 133 | Coccidoidiomycosis | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 134 | Other fungus infections | ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| 135 | Scabies | ... | ... | 7 | 7 | 3 | 2 | 2 | ... | ... | 806 |
| 136 | Pediculosis | | ... | ... | ... | ... | ... | ... | ... | ... | 88 |
| 137 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 138 | Other infective and prasitic diseases | ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| | **II.—Neoplasms.** ***Malignant neoplasms of buccal cavity and Pharynx.*** | | | | | | | | | |
| 140 | Malignant Neoplasm | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 141 | Do. of tongue | ... | ... | 2 | 2 | ... | ... | 2 | ... | ... | 5 |
| 142 | Do. do. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 143 | Do. do. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 144 | Do. do. Other parts of mouth and mouth unspecified | ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 2 |
| 145 | Do. do. | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 146 | Do. do. Nasopharynx | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 147 | Do. do. Hypopharynx | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... |
| 148 | Do. do. Pharynx unspecified | ... | 2 | 2 | ... | ... | 1 | 1 | ... | ... | ... |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-51. | Admitted during 1952. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Malignant Neoplasm of digestive organs and peritoneum.* (150-159) | | | | | | | | | |
| 150 | Malignant Neoplasm of Oesaphagus ... | 1 | 2 | 3 | ... | ... | 3 | ... | ... | ... |
| 151 | ... Do. do. Stomach ... | ... | 4 | 4 | ... | ... | 2 | 2 | ... | 1 |
| 152 | ... Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 153 | Malignant neoplasm of large intestine except rectum ... | ... | 4 | 4 | ... | ... | 1 | 3 | ... | ... |
| 154 | Do. Rectum ... | 1 | 2 | 3 | ... | ... | 3 | ... | ... | ... |
| 155 | Do. Biliary passages and of liver (stated to be primary site) ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 156 | Of Liver Neoplasm of (secondary and unspecified) ... | ... | 4 | 4 | ... | ... | 4 | ... | ... | ... |
| 157 | Do. Neoplasm of pancreas ... | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| 158 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 159 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Malignant Neoplasm of respiratory system.* (160-165) | | | | | | | | | |
| 160 | Malignant Neoplasm of Nose, nasal, cavities, middle ear and accessory sinuses ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 |
| 161 | Do. do. Larynx ... | 1 | 3 | 4 | ... | 2 | ... | ... | 2 | 48 |
| 162 | ... Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 163 | Do. do. Lung and bronchus unspecified whether primary or secondary ... | ... | 3 | 3 | ... | ... | 1 | 2 | ... | 2 |
| 164 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 165 | Do. do. Thoracic organs (secondary) ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| | *Malignant Neoplasm of breast and genito-urinary organs.* (170-181) | | | | | | | | | |
| 170 | Malignant Neoplasm of Breast ... | ... | 8 | 8 | 1 | ... | 7 | ... | ... | ... |
| 171 | Do. do. Cervix uteri ... | 2 | 4 | 6 | 1 | 2 | 3 | ... | ... | 3 |
| 172 | Do. do. Corpus uteri ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 173 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 174 | ... Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 175 | ... Do. do. Ovary, Fallopian tube and broad ligament ... | ... | 1 | 1 | ... | ... | ... | 1 | ... | 2 |
| 176 | ... Do ... do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 177 | Do. do. Prostate ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 1 |
| 178 | ... Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 179 | ... Do. do. Other and unspecified male genital organs | 1 | 1 | 2 | ... | 2 | ... | ... | ... | ... |
| 180 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 181 | Do. do. Bladder and other urinary organs ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| | *Malignant Neoplasm of other and unspecified sites.* (190-199) | | | | | | | | | |
| 190 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 191 | Other Malignant Neoplasm of skin ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 192 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 193 | Malignant Neoplasms ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 194 | Do. do. Thyroid gland ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 195 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 196 | Do. do. ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 197 | Do. do. Connective tissue ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| 198 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 199 | Malignant neoplasm of other and unspecified sites ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | 30 |
| | *Neoplasms of Lymphatic and Haematopoietic tissues.* ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 200 | Lymphosarcoma and reticulosarcoma ... ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| 201 | Hodgkin's disease ... | 1 | 1 | 2 | ... | ... | 1 | 1 | ... | 20 |
| 202 | Do. do. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 203 | Multiple myeloma (plasmocytoma) ... ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| 204 | Leukaemia and aleukaemia ... ... ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 4 |
| 205 | ... Do. do. ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

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|---|---|---|---|---|---|---|---|---|---|---|
| | *Benign Neoplasm.* (210-229) | | | | | | | | | |
| 210 | Benign Neoplasm of Buccal cavity and pharynx | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| 211 | Do. Other parts of digestive system | ... | 3 | 3 | 1 | ... | 2 | ... | ... | ... |
| 212 | Do. Respiratory system | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | ... |
| 213 | Do. Breast | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | ... |
| 214 | Uterine fibromyoma | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 215 | Other benign Neoplasms of uterus | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| 216 | Benign Neoplasm of ovary | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 217 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 218 | Benign neoplasm of malagenital organs | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| 219 | Benign neoplasm of kidney and other urinary organs | ... | 3 | 3 | ... | 2 | 1 | ... | ... | ... |
| 220 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 221 | Pilonidal cyst | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 222 | Other benign neoplasm of skin | ... | 4 | 4 | ... | 1 | 3 | ... | ... | ... |
| 223 | Benign neoplasm of brain and other part of nervous system | ... | 1 | 1 | ... | ... | 3 | ... | ... | ... |
| 224 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 225 | Benign neoplasm of bone and cartilage | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 226 | Lipoma | ... | 3 | 3 | 2 | 1 | ... | ... | ... | 44 |
| 227 | Other benign neoplasm of muscular and connective tissue | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| 228 | Haemangioma and lymphangioma | ... | 1 | 1 | ... | 1 | ... | ... | ... | 1 |
| 229 | Benign neoplasm of other and unspecified organs and tissues | ... | 1 | 1 | ... | ... | ... | 1 | ... | 83 |
| | *Neopalsm of unspecified nature.* (230-239) | | | | | | | | | |
| 230 | Neoplasm of unspecified nature of digestive organs— | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 231 | Do. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 232 | Do. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 233 | Do. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 234 | Neoplasm of unspecified nature of ovary | — | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 235 | Do. of other female genital organs | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| 237 | Neoplasm of unspecified nature of brain and other parts of nervous system | ... | 2 | 2 | 1 | ... | 1 | ... | ... | ... |
| 238 | Do. skin and musculoskeletal system | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 239 | Do. other and unspecified organs | ... | 3 | 3 | ... | 3 | ... | ... | ... | 41 |
| | **III.—Allergic Endocrine System, Metabolic and Nutritional Diseases.** *Allergic Disorders.* (240-245) | | | | | | | | | |
| 240 | Hay fever | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 241 | Asthma | 1 | 49 | 50 | 6 | 37 | 1 | 5 | 1 | 450 |
| 242 | Angioneurotic oedema | ... | 2 | 2 | ... | 2 | ... | ... | ... | 51 |
| 243 | Urtecaria | ... | 5 | 5 | ... | 4 | 1 | ... | ... | 168 |
| 244 | Allergic Eczemea | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 4 |
| 245 | Other allergic disorders | 1 | 10 | 11 | 1 | 7 | 3 | ... | ... | 182 |
| | *Diseases of thyroid gland.* (250-254) | | | | | | | | | |
| 250 | Simple goitre | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | 5 |
| 251 | Non-toxic nudular goitre | ... | 6 | 6 | ... | 3 | 2 | 1 | ... | ... |
| 252 | Thyrotoxicosis with or without goitre | ... | 2 | 2 | ... | ... | 2 | ... | ... | 2 |
| 253 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 254 | Other diseases of thyroid gland | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| | *Diabetes Mellitus.* (260) | | | | | | | | | |
| 260 | Diabetes mellitus | 2 | 16 | 18 | ... | 9 | 5 | 4 | ... | 27 |
| | *Diseases of other endocrine glands.* (270-277) | | | | | | | | | |
| 270 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 271 | Diseases of parathryoid gland | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 272 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 273 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 274 | Diseases of adrenal glands | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 275 | Ovarian dysfunction | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 276 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 277 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Avitaminoses and other metabolic diseases (280-289).* | | | | | | | | | |
| 280 | Beriberi | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 281 | Pellagra | ... | ... | ... | ... | ... | ... | ... | ... | 13 |
| 282 | Scurvy | 1 | 2 | 3 | ... | 3 | ... | ... | ... | 112 |
| 283 | Active Rickets | ... | 19 | 19 | — | 12 | 5 | 1 | 1 | 523 |
| 284 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 285 | Osteomalacia | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| 286 | Other avitaminoses and nutritional deficiency states | 4 | 73 | 77 | 6 | 41 | 4 | 23 | 3 | 291 |
| 287 | Obesity, not specified as of endocrine origin | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 288 | Gout | ... | 1 | 1 | ... | 1 | ... | ... | ... | 2 |
| 289 | Other metabolic diseases | ... | 4 | 4 | 4 | ... | ... | ... | ... | 22 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | **IV.—Diseases of the Blood and Blood Forming Organs.** | | | | | | | | | |
| | *Diseases of Blood and Blood forming Organs. (290-299)* | | | | | | | | | |
| 290 | Pernicious and other hyperchromic anaemia | ... | 5 | 5 | ... | 4 | ... | 1 | ... | 14 |
| 291 | Iron deficiency anaemias (hypochromic anemia) | 10 | 132 | 142 | 12 | 68 | 36 | 18 | 8 | 1,331 |
| 292 | Other anaemias of specified type | ... | 9 | 9 | ... | 6 | 3 | ... | ... | ... |
| 293 | Anaemia of unspecified type | ... | 16 | 16 | ... | 12 | 1 | 3 | ... | 5 |
| 294 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 295 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 296 | Purpura and other haemorrhagic conditions | ... | 3 | 3 | ... | 2 | ... | 1 | ... | ... |
| 297 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 298 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 299 | Other diseases of blood and blood forming organs | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 35 |
| | **V.—Mental, Psychoneurotic and Personality Disorders.** | | | | | | | | | |
| | *Psychoses (300-309).* | | | | | | | | | |
| 300 | Schizophrenic disorders (dementiapraecox) | ... | 1 | 1 | ... | ... | 1 | ... | ... | 3 |
| 301 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 302 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 303 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 304 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 305 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 306 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 307 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 308 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 309 | Other and unspecified psychosis | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| | *Psychoneurotic Disorders (310-318).* | | | | | | | | | |
| 310 | Anxiety reaction without mention of somatic symptoms | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 311 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 312 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 313 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 314 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 315 | Psychoneurosis with somatic symptoms (somatization affecting circulatory system | ... | 4 | 4 | ... | 3 | 1 | ... | ... | ... |
| 316 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 317 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 318 | Psychoneurotic disorders, other mixed and unspecified types | ... | 2 | 2 | ... | 2 | ... | ... | ... | 15 |
| | *Disorders of character, behaviour and intelligence (320-326).* | | | | | | | | | |
| 320 | Pathological personality | ... | 1 | 1 | ... | ... | ... | 1 | ... | 2 |
| 321 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 322 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 323 | Other drug addiction | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 324 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 325 | Mental deficiency | ... | 1 | 1 | 1 | ... | ... | ... | ... | 2 |
| 326 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | **VI.—Diseases of the Nervous System and Sense Organs.** | | | | | | | | | |
| | *Vascular lesions affecting central nervous system (330-334).* | | | | | | | | | |
| 330 | Subarachnoid Haemorrhage | ... | 2 | 2 | ... | ... | 1 | 1 | ... | ... |
| 331 | Cerebral Haemorrhage | ... | 11 | 11 | ... | 5 | 2 | 4 | ... | ... |
| 332 | Cerebral embolism and thrombosis | 1 | 54 | 55 | 2 | 21 | 10 | 16 | 6 | 148 |
| 333 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 334 | Other and ill defined vascular lesions affecting central nervious system | ... | 4 | 4 | ... | ... | 2 | ... | 2 | 14 |
| | *Inflammatory diseases of central nervous system (340-345).* | | | | | | | | | |
| 340 | Meningitis, except meningococcal and tuberculous | ... | 35 | 35 | 1 | 5 | 14 | 15 | ... | 3 |
| 341 | Phlebitis and thrombophlebitis of intracranial venous sinuses | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| 342 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 343 | Encephalitis, myelitis and encephalomyelitis (except acute infections) | ... | 41 | 41 | 4 | 8 | 14 | 15 | ... | 203 |
| 344 | Late effects of intracranial abscess or pyogenic infection | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 345 | Multiple sclerosis | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on mid-night 31-12-51. | Admitted during 1952. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained on mid-night 31-12-51 | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Other diseases of central nervous system (350-357).* | | | | | | | | | |
| 350 | Paralysis agitans | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 10 |
| 351 | Cerebral spastic infantile paralysis | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 352 | Other cerebral paralysis | 5 | 10 | 15 | ... | 6 | 4 | ... | 5 | ... |
| 353 | Epilepsy | 1 | 14 | 15 | ... | 12 | 3 | ... | ... | 95 |
| 354 | Migraine | ... | 2 | 2 | ... | 2 | ... | ... | ... | 6 |
| 355 | Other diseases of brain | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 356 | Motor neurone disease and muscular atrophy | ... | 10 | 10 | ... | 1 | 6 | 3 | ... | 52 |
| 357 | Other diseases of spinal cord | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 28 |
| | *Diseases of nerve and peripheral Ganglia (360-369).* | | | | | | | | | |
| 360 | Facial Paralysis | 1 | 8 | 9 | 3 | 5 | 1 | ... | ... | 14 |
| 361 | Trigeminal Neuralgia | ... | 4 | 4 | 1 | 1 | 1 | 1 | ... | 51 |
| 362 | Brachial Neuritis | ... | ... | ... | ... | ... | ... | ... | ... | 166 |
| 363 | Sciatica | ... | 9 | 9 | ... | 5 | 2 | ... | 2 | 70 |
| 364 | Polyneutitis and Polyradiculitis | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 365 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 366 | Other and unspecified forms of Neuralgia and neuritis | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 367 | Other diseases of cranial nerves | ... | 1 | 1 | ... | 1 | ... | ... | ... | 1 |
| 368 | Other diseases of peripheral nerves except autonomic | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 369 | Diseases of Peripheral autonomic nervous system | ... | 1 | 1 | ... | ... | 1 | ... | ... | 3 |
| | *Inflammatory Diseases of Eye (370-379).* | | | | | | | | | |
| 370 | Conjunctivitis and ophthalmia | ... | 7 | 7 | 1 | 5 | 1 | ... | ... | 2,386 |
| 371 | Blepharitis | ... | 1 | 1 | ... | 1 | ... | ... | ... | 153 |
| 372 | Hordeolum (Stye) | ... | 1 | 1 | ... | ... | 1 | ... | ... | 226 |
| 373 | Iritis | ... | 2 | 2 | ... | 1 | ... | ... | 1 | 15 |
| 374 | Keratitis | ... | 6 | 6 | ... | 6 | ... | ... | ... | 19 |
| 375 | Choroiditis | ... | 1 | 1 | ... | 1 | ... | ... | ... | 4 |
| 376 | Other inflammation of Uveal Tract | ... | 25 | 25 | 2 | 23 | ... | ... | ... | 21 |
| 377 | Inflamation of optic nerve and retina | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 378 | Inflammation of Lachrymal glands and ducts | ... | 19 | 19 | 1 | 16 | 2 | ... | 1 | 111 |
| 379 | Other Inflammatory diseases of Eye | ... | 6 | 6 | ... | 5 | ... | ... | 1 | 235 |
| | *Other diseases and condition of eye (380-389).* | | | | | | | | | |
| 380 | Refractive errors | ... | 1 | 1 | ... | 1 | ... | ... | ... | 1,131 |
| 381 | Corneal Ulcer | ... | 17 | 17 | ... | 15 | 1 | ... | 1 | 229 |
| 382 | Corneal opacity | ... | 3 | 3 | ... | 3 | ... | ... | ... | 91 |
| 383 | Pterygium | ... | ... | ... | ... | ... | ... | ... | ... | 38 |
| 384 | Strabismus | ... | ... | ... | ... | ... | ... | ... | ... | 30 |
| 385 | Cataract | 5 | 289 | 294 | 53 | 227 | ... | ... | 14 | 569 |
| 386 | Detachment of retina | ... | 1 | 1 | ... | 1 | ... | ... | ... | 15 |
| 387 | Glaucoma | ... | 23 | 23 | 1 | 21 | ... | ... | 1 | 122 |
| 388 | Other diseases of Eye | 1 | 75 | 76 | ... | 56 | 20 | ... | ... | 321 |
| 389 | Blindness | ... | 3 | 3 | ... | 3 | ... | ... | ... | 67 |
| | *Diseases of Ear and Mastoid process (390-398).* | | | | | | | | | |
| 390 | Otitis externia | ... | ... | ... | ... | ... | ... | ... | ... | 217 |
| 391 | Otitis media without mention of mastoiditis | ... | 2 | 2 | ... | ... | 2 | ... | ... | 580 |
| 392 | Otitis media with mastoiditis | ... | 2 | 1 | ... | 1 | 1 | ... | ... | 431 |
| 393 | Mastoiditis without mention of otitis media | 2 | 55 | 57 | 3 | 20 | 33 | 1 | ... | 277 |
| 394 | Other inflammatory diseases of ear | ... | ... | ... | ... | ... | ... | ... | ... | 21 |
| 395 | Meniere's disease | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 396 | Other diseases of ear and mastoid process | ... | ... | ... | ... | ... | ... | ... | ... | 209 |
| 397 | Deaf Mutism | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| 398 | Other deafness | ... | ... | ... | ... | ... | ... | ... | ... | 12 |
| | **VII.—Diseases of the Circulatory System.** *Rheumatic Fever (400-402).* | | | | | | | | | |
| 400 | Rheumatic fever without mention of heart involvement | ... | 1 | 1 | 1 | ... | ... | ... | ... | 38 |
| 401 | Rheumatic fever with heart involvement | ... | 4 | 4 | ... | 4 | ... | ... | ... | 20 |
| 402 | Chorea | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 27 |
| | *Chronic Rheumatic heart diseases (410-416).* | | | | | | | | | |
| 410 | Diseases of mitral valve | ... | 56 | 56 | 2 | 23 | 17 | 12 | 2 | 162 |
| 411 | Diseases of aortic valve specified as rheumatic | ... | 7 | 7 | 1 | 5 | 1 | ... | ... | 32 |
| 412 | Diseases of tricuspid valve | ... | ... | ... | ... | ... | ... | ... | ... | 28 |
| 413 | Diseases of Pulmonary valve specified as rheumatic | ... | ... | ... | ... | ... | ... | ... | ... | 20 |
| 414 | Other endocarditis specified as rheumatic | ... | ... | ... | ... | ... | ... | ... | ... | 30 |
| 415 | Other myocarditis specified as rheumatic | ... | 1 | 1 | ... | ... | 1 | ... | ... | 25 |
| 416 | Other heart diseases specified as rheumatic | ... | 3 | 3 | ... | 1 | 2 | ... | ... | 42 |
| | *Arteriosclerotic and Degenerative heart diseases (420-422).* | | | | | | | | | |
| 420 | Arteriosclerotic heart diseases, including coronary disease | ... | 72 | 72 | 5 | 18 | 33 | 15 | 1 | 60 |
| 421 | Chronic endocarditis not specified as rheumatic | 2 | 4 | 6 | ... | 2 | 6 | ... | ... | 30 |
| 422 | Other myocardial degeneration | ... | 6 | 6 | 2 | 2 | 1 | 1 | ... | 45 |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-50. | Admitted during 1951. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Other diseases of heart (430-434).* | | | | | | | | | |
| 430 | Acute and subacute endocarditis | ... | ... | ... | ... | ... | ... | ... | ... | 48 |
| 431 | Acute myocarditis not specified as Rheumatic | ... | ... | ... | ... | ... | ... | ... | ... | 35 |
| 432 | Acute pericarditis specified as non Rheumatic | ... | 4 | 4 | ... | 3 | ... | 1 | ... | 35 |
| 433 | Functional diseases of heart | ... | ... | ... | ... | ... | ... | ... | ... | 28 |
| 434 | Other and unspecified diseases of heart | 3 | 93 | 96 | 20 | 42 | 16 | 16 | 2 | 237 |
| | *Hypertensive Diseases (440-447).* | | | | | | | | | |
| 440 | Essential benign hypertension with heart disease | 2 | 41 | 43 | 5 | 12 | 15 | 7 | 4 | 20 |
| 441 | Essential malignant hypertention with heart disease | ... | 3 | 3 | ... | 1 | ... | 1 | 1 | 30 |
| 442 | Hypertensive heart disease with arteriolar nephrosclerosis | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| 443 | Other and unspecified hypertensive heart disease | ... | 2 | 2 | ... | 1 | ... | 1 | ... | 69 |
| 444 | Essential benign hypertension without mention of heart | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 35 |
| 445 | Essential malignant hypertension without mention of heart | ... | 1 | 1 | 1 | ... | ... | ... | ... | 30 |
| 446 | Hypertension with arteriolar nephrosclerosis without mention of heart | ... | ... | ... | ... | ... | ... | ... | ... | 40 |
| 447 | Other hypertensive disease without mention of heart | ... | 3 | 3 | 1 | ... | 1 | ... | 1 | 41 |
| | *Diseases of arteries (450-456).* | | | | | | | | | |
| 450 | General arteriosclerosis | ... | 2 | 2 | ... | 2 | ... | ... | ... | 35 |
| 451 | Aortic aneurysm specified as non-syphilitic and dissecting aneurysm | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 60 |
| 452 | Other aneurysm, except of heart and aorta | ... | 3 | 3 | ... | 3 | ... | ... | ... | 33 |
| 453 | Peripheral vascular disease | ... | 4 | 4 | ... | 2 | 2 | ... | ... | ... |
| 454 | Arterial embolism and thrombosis | ... | 4 | 4 | 1 | 1 | 1 | 1 | ... | 48 |
| 455 | Gangrene of unspecified cause | 1 | 1 | 2 | 1 | 1 | ... | ... | ... | 61 |
| 456 | Other diseases of arteries | ... | ... | ... | ... | ... | ... | ... | ... | 64 |
| | *Diseases of veins and other diseases of circulatory system (460-468).* | | | | | | | | | |
| 460 | Varicose veins of lower extremities | ... | 2 | 2 | 2 | ... | ... | ... | ... | 4 |
| 461 | Haemorrhoids | 1 | 72 | 73 | 35 | 32 | 3 | 1 | 2 | 482 |
| 462 | Varicose veins of other specified sites | ... | 3 | 3 | 2 | 1 | ... | ... | ... | 38 |
| 463 | Phlebitis and thrombophlebitis of lower extrimities | ... | 6 | 6 | 2 | 2 | ... | 2 | ... | 41 |
| 464 | Phlebitis and thrombophlebitis of other sites | ... | ... | ... | ... | ... | ... | ... | ... | 25 |
| 465 | Pulmonary embolism and infarction | ... | ... | ... | ... | ... | ... | ... | ... | 22 |
| 466 | Other venous embolism and thrombosis | ... | 1 | 1 | ... | ... | 1 | ... | ... | 32 |
| 467 | Other diseases of circulatory system | ... | 5 | 5 | ... | 4 | 1 | ... | ... | 33 |
| 468 | Certain diseases of lymphnodes and lymph channels | ... | 2 | 2 | ... | 2 | ... | ... | ... | 65 |
| | **VII.—Diseases of Respiratory System.** | | | | | | | | | |
| | *Acute Upper Respiratory Infection (470-475).* | | | | | | | | | |
| 470 | Acute nasopharyngitis (Common Cold) | ... | 5 | 5 | 3 | 2 | ... | ... | ... | 115 |
| 471 | Acute sinusitis | ... | 10 | 10 | 5 | 5 | ... | ... | ... | 462 |
| 472 | Acute pharyngitis | ... | 9 | 9 | 2 | 5 | 2 | ... | ... | 1,348 |
| 473 | Acute tonsillitis | 1 | 1,054 | 1,055 | 1,025 | 23 | 1 | ... | 6 | 2,321 |
| 474 | Acute laryngitis and tracheitis | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | 385 |
| 475 | Acute upper respiratory infection of multiple or unspecified sites | 1 | 88 | 89 | 15 | 69 | 3 | 1 | 1 | 5,813 |
| | *Influenza (480-483).* | | | | | | | | | |
| 480 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 481 | Influenza with other respiratory manifestations and influenza unqualified | ... | 4 | 4 | 1 | 2 | 1 | ... | ... | 82 |
| 482 | Influenza with digestive manifestations but without respiratory symptoms | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| 483 | Influenza with nervous manifestations but without digestive or respiratory symptons | ... | 3 | 3 | 1 | 2 | ... | ... | ... | ... |
| | *Pneumonia (490-493).* | | | | | | | | | |
| 490 | Lobar pneumonia | 4 | 134 | 138 | 77 | 27 | 9 | 21 | 4 | 395 |
| 491 | Broncho pneunomia | ... | 69 | 69 | 15 | 11 | 2 | 41 | ... | 231 |
| 492 | Primary atypical pneumonia | 1 | 3 | 4 | 4 | ... | ... | ... | ... | 69 |
| 493 | Pneumonia, other and unspecified | ... | 1 | 1 | 1 | ... | ... | ... | ... | 63 |
| | *Bronchitis (500-502).* | | | | | | | | | |
| 500 | Acute Bronchitis | ... | 20 | 20 | 6 | 11 | 3 | ... | ... | 384 |
| 501 | Bronchitis unqualified | 3 | 21 | 24 | 7 | 10 | 5 | ... | 2 | 1,917 |
| 502 | Chronic Bronchitis | ... | 15 | 15 | ... | 12 | 3 | ... | ... | 113 |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-50. | Admitted during 1951. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Other diseases of Respiratory sytem (510 527).* | | | | | | | | | |
| 510 | Hypertrophy of tonsils and adenoids | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 511 | Peritonsillar abscess (quinsy) | ... | 4 | 4 | 4 | ... | ... | ... | ... | 58 |
| 512 | Chronic pharyngitis and nasopharyngitis | ... | 4 | 4 | 2 | 2 | ... | ... | ... | 113 |
| 513 | Chronic sinusitis | ... | 28 | 28 | 14 | 12 | 2 | ... | ... | 730 |
| 514 | Deflected nasal septum | 1 | 87 | 88 | 38 | 46 | 2 | ... | 2 | 755 |
| 515 | Nasal polyp | ... | 1 | 1 | 1 | ... | ... | ... | ... | 23 |
| 516 | Chronic Laryngitis | ... | ... | ... | ... | ... | ... | ... | ... | 20 |
| 517 | Other diseases of upper respiratory tract | ... | 1 | 1 | ... | 1 | ... | ... | ... | 70 |
| 518 | Empyema | ... | 3 | 3 | 2 | 1 | ... | ... | ... | 19 |
| 519 | Pleurisy | 2 | 46 | 48 | 2 | 39 | 3 | ... | 4 | 440 |
| 520 | Spontaneous Pneumothorax | ... | 3 | 3 | ... | ... | 1 | 2 | ... | 90 |
| 521 | Abscess of lung | ... | 11 | 11 | ... | 4 | 3 | 1 | 3 | 72 |
| 522 | Pulmonary congestion and hypostasis | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 523 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 524 | Other specified Pneumoconiosis and pulmonary fibrosis of occupational origin | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| 525 | Other chronic interstitial pneumonia | ... | ... | ... | ... | ... | ... | ... | ... | 12 |
| 526 | Bronchiectasis | ... | 11 | 11 | ... | 6 | 2 | 3 | ... | 138 |
| 527 | Other diseases of lung and pleural cavity | ... | 8 | 9 | ... | 6 | 3 | ... | ... | 198 |
| | **IX.—Diseases of the Digestive System.** | | | | | | | | | |
| | *Diseases of buccal cavity and oesophagus. (530-539).* | | | | | | | | | |
| 530 | Dental caries | ... | 3 | 3 | ... | 3 | ... | ... | ... | 157 |
| 531 | Abscesses of supporting structures of teeth | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | 4 |
| 532 | Other inflammatory diseases of supporting structures of teeth | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 533 | Disorders of acclusion, eruption and tooth development | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| 534 | Toothache from unspecified cause | ... | 14 | 14 | 3 | 8 | 1 | ... | 2 | 13 |
| 535 | Other diseases of teeth and supporting structure | ... | ... | ... | ... | ... | ... | ... | ... | 20 |
| 536 | Stomatitis | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 221 |
| 537 | Diseases of salivary glands | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | ... |
| 538 | Other diseases of buccal cavity | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 539 | Diseases of oesophagus | ... | 6 | 6 | 1 | 3 | 2 | ... | ... | 10 |
| | *Diseases of Stomach and Duodenum. (540-545).* | | | | | | | | | |
| 540 | Ulcer of stomach | ... | 34 | 34 | 6 | 18 | 8 | 2 | ... | 15 |
| 541 | Ulcer of duodenum | 2 | 37 | 39 | 6 | 23 | 8 | 2 | ... | 360 |
| 542 | Gastro-jiunal ulcer | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | 18 |
| 543 | Gastritis and duodenitis | ... | 7 | 7 | ... | 4 | 2 | ... | 1 | 421 |
| 544 | Disorders of function of stomach | ... | 7 | 7 | ... | 6 | 1 | ... | ... | 563 |
| 545 | Other diseases of stomach and duodenum | ... | 7 | 7 | 1 | 3 | 3 | ... | ... | 151 |
| | *Appendicitis (550-553).* | | | | | | | | | |
| 550 | Acute appendicitis | 3 | 107 | 110 | 43 | 56 | 5 | 4 | 2 | 333 |
| 551 | Appendicitis unqualified | ... | 43 | 43 | 23 | 14 | 6 | ... | ... | 54 |
| 552 | Other appendicitis | ... | 27 | 27 | 12 | 12 | 3 | ... | ... | 43 |
| 553 | Other diseases of appendix | ... | ... | ... | ... | ... | ... | ... | ... | 40 |
| | *Hernia of abdominal cavity (560-561).* | | | | | | | | | |
| 560 | Hernia of abdominal cavity, without mention of obstruction | 6 | 183 | 189 | 123 | 58 | 3 | ... | 5 | 553 |
| 561 | Hernia of abdominal cavity with obstruction | 1 | 21 | 22 | 12 | 8 | 1 | 1 | ... | 137 |
| | *Other Diseases of Intestines and Peritoneum (570-578)* | | | | | | | | | |
| 570 | Intestinal obstruction without mention of hernia | 1 | 26 | 27 | 7 | 7 | 5 | 8 | ... | 52 |
| 571 | Gastroenteritis and colitis, except ulcerative age 4 weeks and over | 1 | 190 | 191 | 46 | 70 | 19 | 52 | 4 | 1,638 |
| 572 | Chronic enteritis and ulcerative colitis | ... | 5 | 5 | ... | 3 | ... | 2 | ... | 21 |
| 573 | Functional disorders of intestines | ... | 48 | 48 | 7 | 33 | 5 | 3 | ... | 879 |
| 574 | Anal fissure and fistula | 1 | 64 | 65 | 22 | 26 | 10 | 1 | 6 | 336 |
| 575 | Abscess of anal and rectal regions | ... | 3 | 3 | 1 | 2 | ... | ... | ... | 79 |
| 576 | Periotonitis | ... | 12 | 12 | ... | 2 | ... | 7 | ... | 3 |
| 577 | Peritoneal adhesion | ... | 3 | 3 | ... | ... | 2 | 1 | ... | 1 |
| 578 | Other dieases of intestines and peritomeum | 10 | 127 | 137 | 55 | 5 | 2 | 16 | 13 | 636 |
| | *Diseases of Liver, Gallbladder and pancreas (580-587).* | | | | | | | | | |
| 580 | Acute and sub-acute yellow atrophy of liver | ... | 5 | 5 | 1 | 1 | ... | 3 | ... | ... |
| 581 | Cirrhosis of liver | 4 | 20 | 24 | 3 | 8 | 6 | 5 | 2 | 125 |
| 582 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 583 | Other diseases of liver | ... | 2 | 2 | ... | 1 | ... | ... | 1 | ... |
| 584 | Cholelithiasis | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 2 |
| 585 | Cholecystitis without mention of calculi | ... | 8 | 8 | 2 | 6 | ... | ... | ... | ... |
| 586 | Other diseases of gallbladder and biliary ducts. | ... | 4 | 4 | ... | ... | 2 | 2 | ... | ... |
| 587 | Diseases of Pancreas | ... | 5 | 5 | ... | 2 | 2 | 1 | ... | ... |

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|---|---|---|---|---|---|---|---|---|---|---|
| | **X.—Diseases of the Genito-Urinary System.** | | | | | | | | | |
| | *Nephritis and Nephrosis* (590-594). | | | | | | | | | |
| 590 | Acute Nephritis | ... | 5 | 5 | ... | 2 | ... | 1 | 2 | 45 |
| 591 | Nephritis with oedema, including nephrosis | ... | 6 | 6 | ... | 5 | ... | 1 | ... | ... |
| 592 | Chronic Nephritis | ... | 4 | 4 | ... | ... | 3 | 1 | ... | ... |
| 593 | Nephritis not specified as acute or chronic | ... | 4 | 4 | ... | 3 | 1 | ... | ... | 18 |
| 594 | Other renal sclerosis | ... 2 | 2 | 4 | ... | ... | 3 | 1 | ... | 41 |
| | *Other diseases of Urinary system* (600-609). | | | | | | | | | |
| 600 | Infections of kidney | ... 1 | 7 | 8 | 1 | 4 | 1 | 2 | ... | 229 |
| 601 | | ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 602 | Calculi of kidney and ureter | ... ... | 13 | 13 | 3 | 9 | 1 | ... | ... | 1 |
| 603 | Other diseases of kidney and ureter | ... ... | 14 | 14 | 3 | 7 | 3 | 1 | ... | 134 |
| 604 | Calculi of other parts of urinary system | ... 1 | 15 | 16 | 6 | 8 | 2 | ... | ... | ... |
| 605 | Cystitis | ... 3 | 10 | 13 | 2 | 8 | 3 | ... | ... | 20 |
| 606 | Other diseases of Bladder | ... ... | 1 | 1 | ... | ... | 1 | ... | ... | 1 |
| 607 | Urethritis (Non-venereal) | ... ... | ... | ... | ... | ... | ... | ... | ... | 204 |
| 608 | Stricture Urethra | ... ... | 7 | 7 | ... | 6 | 1 | ... | ... | 231 |
| 609 | Other diseases of urethra | ... ... | 6 | 6 | 2 | 2 | 1 | ... | 1 | 29 |
| | *Diseases of Male Genital Organs* (610-617). | | | | | | | | | |
| 610 | Hyperplasia of prostate | ... ... | 20 | 20 | 3 | 8 | 7 | 2 | ... | 18 |
| 611 | Prostalitis | ... ... | 4 | 4 | 1 | 1 | 1 | 1 | ... | 6 |
| 612 | Other diseases of Prostate | ... ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| 613 | Hydrocele | ... 6 | 201 | 207 | 169 | 28 | 2 | ... | 8 | 706 |
| 614 | Orchitis and epididymitis | ... ... | 9 | 9 | 4 | 5 | ... | ... | ... | 168 |
| 615 | Redundant Prepuce and phimosis | ... ... | 4 | 4 | 1 | 3 | ... | ... | ... | 631 |
| 616 | Sterility (Male) | ... ... | 5 | 5 | ... | 3 | ... | ... | 2 | 10 |
| 617 | Other diseases of male genital organs | ... 2 | 4 | 6 | ... | ... | 3 | ... | 3 | 208 |
| | *Diseases of Breast Ovary Fallopion Tube and Parametrium* (620-626). | | | | | | | | | |
| 620 | Chronic cystic disease of breast | ... ... | 2 | 2 | 1 | 1 | ... | ... | ... | 15 |
| 621 | Other diseases of Breast | ... ... | 2 | 2 | ... | ... | 2 | ... | ... | 6 |
| 622 | Acute salphingitis and oophoritis | ... ... | 7 | 7 | 1 | 3 | 3 | ... | ... | 4 |
| 623 | Chronic salphingitis and oophoritis | ... ... | 16 | 16 | 4 | 10 | ... | ... | 2 | 45 |
| 624 | Salphingitis and oophoritis unqualified | ... ... | 6 | 6 | 2 | 4 | ... | ... | ... | 8 |
| 625 | Other diseases of ovary and fallopian tube | ... ... | 19 | 19 | 2 | 10 | 7 | ... | ... | 1 |
| 626 | Diseases of Parametrium and Pelvic Peritonium (female) | ... ... | 5 | 5 | ... | 5 | ... | ... | ... | ... |
| | *Diseases of Uterus and other Female Genital Organs* (630-637). | | | | | | | | | |
| 630 | Infective disease of uterus, vagina and vulva | ... ... | 20 | 20 | 3 | 9 | 7 | 1 | ... | 102 |
| 631 | Uterovaginal Prolapse | ... 1 | 35 | 36 | 4 | 22 | 9 | ... | 1 | 82 |
| 632 | Malposition of uterus | ... ... | 38 | 38 | 2 | 28 | 6 | ... | 2 | 96 |
| 633 | Other diseases of uterus | ... ... | 16 | 16 | ... | 14 | 2 | ... | ... | 70 |
| 634 | Disorders of menstruaction | ... ... | 86 | 86 | 15 | 49 | 17 | 1 | 4 | 335 |
| 635 | Menopausal symptoms | ... ... | 4 | 4 | ... | 4 | ... | ... | ... | 21 |
| 636 | Sterility (Female) | ... 1 | 73 | 74 | 62 | 9 | 1 | ... | 2 | 533 |
| 637 | Other diseases of female genital organs | ... 2 | 37 | 39 | 3 | 26 | 9 | ... | 1 | 766 |
| | **XI.—Deliveries and Complication of Pregnancy, Child Birth and the Puerperium.** | | | | | | | | | |
| | *Complications of Pregnancy* (640-649). | | | | | | | | | |
| 640 | Pyelitis and Pyelonephritis of pregnancy | ... ... | 4 | 4 | ... | 4 | ... | ... | ... | 15 |
| 641 | Other infections of genito-urinary tract during pregnancy | ... ... | 1 | 1 | ... | 1 | ... | ... | ... | 2 |
| 642 | Toxaemias of Pregnancy | ... ... | 32 | 32 | 5 | 20 | 6 | 1 | ... | 1 |
| 643 | Placenta-praevia | ... ... | 3 | 3 | 1 | 2 | ... | ... | ... | ... |
| 644 | Other Haemorrhage of pregnancy | ... ... | 4 | 4 | 1 | 3 | ... | ... | ... | ... |
| 645 | Ectopic Pregnancy | ... ... | 5 | 5 | 1 | 3 | ... | ... | ... | 1 |
| 646 | Anaemia of Pregnancy | ... ... | 11 | 11 | 5 | 6 | ... | ... | ... | 1 |
| 647 | Pregnancy with malposition of foetus in uterus | ... ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 648 | Other complications arising from pregnancy | ... ... | 259 | 259 | 32 | 220 | 4 | 1 | 2 | 430 |
| 649 | Pregnancy associated with other conditions | ... ... | 276 | 276 | 47 | 221 | 5 | ... | 3 | ... |
| | *Abortions* (650-652). | | | | | | | | | |
| 650 | Abortion without mention of sepsis or toxamia | 2 | 274 | 276 | 180 | 81 | 4 | ... | 11 | 412 |
| 651 | Abortion with sepsis | ... ... | 8 | 8 | 7 | ... | 1 | ... | ... | ... |
| 652 | Abortion with toxaemia, without mention of sepsis | ... ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| | *Delivery without Complications* (660). | | | | | | | | | |
| 660 | Delivery without complications | ... 34 | 1,906 | 1,940 | 1,901 | ... | ... | ... | 39 | 2,862 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | *Delivery with specified complications (670-678).* | | | | | | | | | |
| 670 | Delivery complicated by placenta Praevia or antepartum haemorrhage | ... | 11 | 11 | 6 | 4 | ... | 1 | ... | ... |
| 671 | Delivery complicated by retained placenta | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| 672 | Delivery complicated by other postpartum haemorrhage | ... | 4 | 4 | 2 | 1 | 1 | ... | ... | ... |
| 673 | Delivery complicated by abnormality of bony pelvis | ... | 7 | 7 | 2 | 4 | 1 | ... | ... | ... |
| 674 | Delivery complicated by disproportion or malposition of foetus | ... | 8 | 8 | 1 | 5 | 2 | ... | ... | 1 |
| 675 | Delivery complicated by prolonged labour of other origin | ... | 6 | 6 | 2 | ... | 4 | ... | ... | ... |
| 676 | Delivery with laceration of perinium without mention of other laceration | ... | 33 | 33 | 19 | 12 | 2 | ... | ... | ... |
| 677 | Delivery with other trauma | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| 678 | Delivery with other complication of child birth | ... | 8 | 8 | 5 | 2 | 1 | ... | ... | ... |
| | *Complications of the Puerperium (680-689).* | | | | | | | | | |
| 680 | Puerperal urinary infection without other sepsis | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 4 |
| 681 | Sepsis of child birth and the puerperium | ... | 6 | 6 | 2 | 4 | ... | ... | ... | 8 |
| 682 | Puerperal phlebitis and thrombosis | ... | 1 | 1 | ... | 1 | ... | ... | ... | 3 |
| 683 | Pyrexia of unknown origin during the puerperium | ... | 6 | 6 | 3 | 2 | 1 | ... | ... | 9 |
| 684 | Puerperal Pulmonary embolism | ... | 1 | 1 | 1 | ... | ... | ... | ... | 8 |
| 685 | Puerperal eclampsia | ... | ... | ... | ... | ... | ... | ... | ... | 11 |
| 686 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 687 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 688 | Other and unspecified complications of the puerperium | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 1 |
| 689 | Mastitis and other disorders of lactation | ... | 3 | 3 | 1 | 2 | ... | ... | ... | 12 |
| | **XII.—Diseases of the Skin and Cellular Tissue.** | | | | | | | | | |
| | *Infections of Skin and Subcutaneous tissue (690-698).* | | | | | | | | | |
| 690 | Boil and carbuncle | ... | 19 | 19 | 11 | 6 | 1 | ... | 1 | 1228 |
| 691 | Cellulitis of finger and toe | ... | 1 | 1 | ... | 1 | ... | ... | ... | 320 |
| 692 | Other cellulitis and abscess without mention of lymphangitis | 3 | 33 | 36 | 17 | 15 | 1 | 1 | 2 | 927 |
| 693 | Other cellulitis and abscess with lymphangitis | ... | 50 | 50 | 28 | 17 | 3 | 2 | ... | 168 |
| 694 | Acute Lymphadenitis | ... | 6 | 6 | ... | 4 | 2 | ... | ... | 145 |
| 695 | Impetigo | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 196 |
| 696 | Infectious warts | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 66 |
| 697 | Molluscum Contagiosum | ... | ... | ... | ... | ... | ... | ... | ... | 32 |
| 698 | Other local infectious of skin and subcutaneous tissue | ... | 31 | 31 | ... | 31 | ... | ... | ... | 505 |
| | *Other diseases skin and subcutaneous tissue (700-716).* | | | | | | | | | |
| 700 | Seborrhoeic Dermatitis | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 168 |
| 701 | Eczema | ... | 8 | 8 | 3 | 5 | ... | ... | ... | 319 |
| 702 | Occupational dermatitis | ... | ... | ... | ... | ... | ... | ... | ... | 82 |
| 703 | Other dermatitis | ... | 11 | 11 | 1 | 5 | 3 | ... | 2 | 395 |
| 704 | Pemphigus | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 4 |
| 705 | Erythematous conditions | ... | 1 | 1 | ... | 1 | ... | ... | ... | 60 |
| 706 | Psoriasis and similar disorders | ... | 2 | 2 | ... | 2 | ... | ... | ... | 71 |
| 707 | Lichen planus | ... | ... | ... | ... | ... | ... | ... | ... | 59 |
| 708 | Pruritus and related conditions | ... | 1 | 1 | ... | 1 | ... | ... | ... | 206 |
| 709 | Corns and Callosities | ... | ... | ... | ... | ... | ... | ... | ... | 275 |
| 710 | Other hypertrophic and atrophic conditions of skin | ... | 1 | 1 | 1 | ... | ... | ... | ... | 80 |
| 711 | Other dermatoses | ... | 1 | 1 | ... | ... | 1 | ... | ... | 116 |
| 712 | Diseases of Nails | ... | ... | ... | ... | ... | ... | ... | ... | 33 |
| 713 | Diseases of hair and hair follicles | ... | ... | ... | ... | ... | ... | ... | ... | 59 |
| 714 | Diseases of sweat and sebaceous glands | ... | 1 | 1 | ... | 1 | ... | ... | ... | 202 |
| 715 | Chronic ulcer of skin | 2 | 3 | 5 | ... | 2 | 1 | ... | 2 | 302 |
| 716 | Other diseases of skin | ... | 22 | 22 | ... | 19 | ... | ... | 3 | 742 |
| | **XIII.—Diseases of the Bones and Organs of Movement.** | | | | | | | | | |
| | *Arthritis and Rheumatism, except Rheumatic fever (720-727).* | | | | | | | | | |
| 720 | Acute arthritis due to pyogenic organism | ... | 2 | 2 | ... | 2 | ... | ... | ... | 434 |
| 721 | Acute nonpyogenic arthritis | ... | 4 | 4 | ... | 1 | 3 | ... | ... | ... |
| 722 | *Rheumatoid Arthritis and allied conditions* | ... | 7 | 7 | 1 | 4 | 2 | ... | ... | 13 |
| 723 | Osteo arthritis cachexia and allied conditions | ... | 15 | 15 | 5 | 8 | ... | 1 | 1 | 188 |
| 724 | Other specified forms of arthritis | ... | 8 | 8 | 1 | 2 | 5 | ... | ... | 6 |
| 725 | Arthritis unspecified | ... | 3 | 3 | 1 | 2 | ... | ... | ... | 397 |
| 726 | Muscular Rheumatism | ... | 10 | 10 | 2 | 6 | 2 | ... | ... | 278 |
| 727 | Rheumatism unspecified | ... | 1 | 1 | ... | 1 | ... | ... | ... | 30 |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-51. | Admitted during 1952. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Osteomyelitis and other diseases of Bone and Joint (730-738).* | | | | | | | | | |
| 730 | Osteomyelitis and periostitis | ... | 47 | 47 | 7 | 14 | 19 | 1 | 6 | 240 |
| 731 | Osteitis deformans | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 732 | Osteochondrosis | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 733 | Other diseases of Bones | ... | 6 | 6 | 1 | 4 | 1 | ... | ... | ... |
| 734 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 735 | Displacement of intervertebral disc. | 2 | 3 | 5 | ... | 2 | 1 | ... | 2 | 11 |
| 736 | Affection of sacro-iliac joint | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| 737 | Ankylosis of joint | ... | 3 | 3 | ... | 1 | 2 | ... | ... | 21 |
| 738 | Other diseases of joint | ... | 1 | 1 | ... | ... | 1 | ... | ... | 12 |
| | *Other diseases of Musculos keletal system (740-749).* | | | | | | | | | |
| 740 | Bunion | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 741 | Synovitis, bursitis, and tenosynovitis without mention of occupational origin | ... | 2 | 2 | ... | 2 | ... | ... | ... | 22 |
| 742 | Synovitis, bursitis and tenosynovitis of occupational origin | ... | 4 | 4 | 1 | 1 | 2 | ... | ... | 158 |
| 743 | Infective myositis and other inflammatory diseases of tendon and fascia | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 41 |
| 744 | Other diseases of muscle, tendon and fascia... | 1 | 5 | 6 | 1 | 1 | 3 | 1 | 2 | 1,823 |
| 745 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 746 | Flat foot | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| 747 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 748 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 749 | Other deformities | ... | 4 | 4 | ... | ... | 3 | 1 | ... | 21 |
| | **XIV.—Congenital Malformation.** *Congenital Malformations (750-759).* | | | | | | | | | |
| 750 | Monstrosity | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |
| 751 | Spina bifida and meningocele | ... | 2 | 2 | ... | 1 | ... | 1 | ... | ... |
| 752 | Congenital Hydrocephalus | ... | 2 | 2 | 1 | ... | 1 | ... | ... | ... |
| 753 | Other congenital malformations of nervous system and sense organs | ... | 3 | 3 | ... | 2 | ... | 1 | ... | ... |
| 754 | Congenital malformations of circulatory system | ... | 4 | 4 | ... | 1 | 2 | 1 | ... | ... |
| 755 | Cleft palate and harelip | 1 | 7 | 8 | 1 | 6 | ... | ... | 1 | 2 |
| 756 | Congenital malformation of digestive system | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| 757 | Congenital malformations of genito-urinary system | 1 | 1 | 2 | ... | 2 | ... | ... | ... | ... |
| 758 | Congenital malformations of bone and joint | 1 | 1 | 2 | ... | 2 | ... | ... | ... | ... |
| 759 | Other and unspecified congenital malformations not elsewhere classified | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| | **XV.—Certain diseases of early Infancy.** *Birth, Injuries, Asphyxia and Infections of new Born (760-769).* | | | | | | | | | |
| 760 | Intracranial and spinal injury at birth | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| 761 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Other diseases Peculiar to early Infancy (771-776).* | | | | | | | | | |
| 771 | Haemorrhagic Disease of new born | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... |
| 772 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | **XVI.—Symptoms Senility and Ill-Defined Conditions.** | | | | | | | | | |
| | *Symptoms Referable to system or organs (780-789).* | | | | | | | | | |
| 780 | Certain symptoms referable to nervous system and special senses | ... | 6 | 6 | 1 | 2 | 2 | 1 | ... | 71 |
| 781 | Other symptoms referable to nervous system and special senses | ... | ... | ... | ... | ... | ... | ... | ... | 61 |
| 782 | Symptoms referable to cardiovascular and lymphatic system | 2 | 2 | 4 | 1 | 3 | ... | ... | ... | 90 |
| 783 | Symptoms referable to respiratory system | 1 | 2 | 3 | 1 | 1 | 1 | ... | ... | 115 |
| 784 | Symptoms referable to upper Gastro-intestinal tract | ... | 4 | 4 | ... | 1 | ... | ... | 3 | 89 |
| 785 | Symptoms referable to abdomen and lower gastro-intestinal system | 1 | 4 | 5 | ... | 2 | 1 | ... | 2 | 174 |
| 786 | Symptoms referable to genito-urinary system | ... | 4 | 4 | 1 | 3 | ... | ... | ... | 86 |
| 787 | Symptoms referable to limbs and backs | ... | ... | ... | ... | ... | ... | ... | ... | 61 |
| 788 | Other general symptoms | 4 | 7 | 11 | 2 | 5 | 1 | 1 | 2 | 483 |
| 789 | Abnormal urinary constituents of unspecified cause | ... | ... | ... | ... | ... | ... | ... | ... | 40 |
| | *Senility and Ill defined diseases (790-795).* | | | | | | | | | |
| 790 | Nervousness and debility | ... | 5 | 5 | 1 | 4 | ... | ... | ... | 451 |
| 791 | Head-ache | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 440 |
| 792 | Uraemia unqualified | ... | ... | ... | ... | ... | ... | ... | ... | 8 |
| 793 | Observation, without need for further medical case | ... | 104 | 104 | 52 | 52 | ... | ... | ... | 811 |
| 794 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 795 | Ill-defined and unknown causes of morbidity and mortality | 8 | 410 | 418 | 169 | 105 | 106 | 31 | 7 | 1,969 |

| W.H.O. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-51. | Admitted during 1952. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| **N XVII Alternative Classification of Accidents, Poisonings and Violence (Nature or Injury).** | | | | | | | | | | |
| | *Fracture of skull, spine and trunk (N 800-N809)* | | | | | | | | | |
| N 800 | Fracture of vault of skull | ... | 10 | 10 | 4 | 4 | ... | 2 | ... | 12 |
| N 801 | Fracture of base of skull | ... | 9 | 9 | 1 | 8 | ... | ... | ... | 10 |
| N 802 | Fracture of face bones | ... | 3 | 3 | 1 | 2 | ... | ... | ... | 4 |
| N 803 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 804 | Multiple fractures involving skull or face with other bones | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| N 805 | Fracture and fracture dislocation of vertebral column without mention of spinal cord lesion | ... | 10 | 10 | ... | 7 | 3 | ... | ... | ... |
| N 806 | Fracture and fracture dislocation of vertebral column with spinal cord lesions | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| N 807 | Fracture of rib(s) and sternum | ... | 7 | 7 | 2 | 3 | 1 | 1 | ... | 36 |
| N 808 | Fracture of pelvis | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| N 809 | Multiple and ill-defined fractures of trunk | ... | ... | ... | ... | 2 | ... | ... | ... | 15 |
| | *Fracture of upper limb (N810-819).* | | | | | | | | | |
| N 810 | Fracture of clavicle | ... | 4 | 4 | ... | 2 | 2 | ... | ... | 10 |
| N 811 | Fracture of scapula | ... | 1 | 1 | ... | 1 | ... | ... | ... | 6 |
| N 812 | Fracture of humerus | 2 | 16 | 18 | 1 | 2 | 13 | ... | 2 | 41 |
| N 813 | Fracture of radius and ulna | ... | 32 | 32 | 1 | 12 | 18 | ... | 1 | 253 |
| N 814 | Fracture of carpal Bone(s) | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| N 815 | Fracture of metacarpal Bone(s) | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 19 |
| N 816 | Fracture of one or more phalanges of hand | 1 | 5 | 6 | 1 | 1 | ... | ... | 4 | 66 |
| N 817 | Multiple fractures of hand bones | ... | 7 | 7 | ... | 4 | 3 | ... | ... | 56 |
| N 818 | Other multiple and ill-defined fractures of upper limb | ... | 2 | 2 | ... | 1 | 1 | ... | ... | ... |
| N 819 | Multiple fractures involving both upper limbs and upper limb with rib(s) and sternum | ... | 3 | 3 | ... | 2 | 1 | ... | ... | 32 |
| | *Fractures of lower limb (N820-829)* | | | | | | | | | |
| N 820 | Fracture of neck of femur | 2 | 41 | 43 | ... | 19 | 21 | ... | 3 | 29 |
| N 821 | Fracture of other and unspecified parts of femur | ... | 11 | 11 | .. | 4 | 6 | ... | 1 | 12 |
| N 822 | Fracture of patella | ... | 16 | 16 | ... | 3 | 13 | ... | ... | 11 |
| N 823 | Fracture of tibia and fibula | 2 | 46 | 48 | ... | 15 | 31 | ... | 2 | 220 |
| N 824 | Fracture of ankle | ... | 5 | 5 | ... | 2 | 3 | ... | ... | 9 |
| N 825 | Fracture of one or more tarsal and metatarsal bones | ... | 7 | 7 | 2 | 2 | 3 | ... | ... | 33 |
| N 826 | Fracture of one or more phalanges of foot | ... | 2 | 2 | ... | 1 | 1 | ... | ... | 8 |
| N 827 | Other multiple and ill-defined fractures of lower limb | ... | 3 | 3 | ... | 1 | 1 | 1 | ... | 35 |
| N 828 | Multiple fractures involving both lower limbs lower with upper limb, and lower limb with rib(s) and sternum | ... | 1 | 1 | ... | 1 | ... | ... | ... | 4 |
| N 829 | Fracture of unspecified bones | ... | 3 | 3 | ... | ... | 1 | ... | 2 | 91 |
| | *Dislocation without fracture (N830-839)* | | | | | | | | | |
| N 830 | Dislocation of jaw | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 831 | Dislocation of shoulder | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 10 |
| N 832 | Dislocation of elbow | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | 12 |
| N 833 | Dislocation of wrist | ... | 1 | 1 | 1 | ... | ... | ... | ... | 1 |
| N 834 | Dislocation of finger | ... | 1 | 1 | 1 | ... | ... | ... | ... | 6 |
| N 835 | Dislocation of hip | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| N 836 | Dislocation of knee | ... | 1 | 1 | ... | 1 | ... | ... | ... | 2 |
| N 837 | Dislocation of ankle | ... | 11 | 11 | ... | 5 | 6 | ... | ... | 53 |
| N 838 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 839 | Other, multiple and ill defined dislocation | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | ... |
| | *Sprains and strains of joints and adjacent muscles (N 840-848.)* | ... | | | | | | | | |
| N 840 | Sprains and strains of shoulder and upper arm | ... | 1 | 1 | ... | ... | 1 | ... | ... | 16 |
| N 841 | Sprains and strains of elbow and forearm | ... | ... | ... | ... | ... | ... | ... | ... | 21 |
| N 842 | Sprains and strains of wrist and hand | ... | 1 | 1 | ... | 1 | ... | ... | ... | 34 |
| N 843 | Sprains and strains of hip and thigh | ... | ... | ... | ... | ... | ... | ... | ... | 38 |
| N 844 | Sprains and strains of knee and leg | ... | 4 | 4 | ... | 2 | 2 | ... | ... | 20 |
| N 845 | Sprains and strains of ankle and foot | ... | 3 | 3 | ... | 1 | 2 | ... | ... | 25 |
| N 846 | Sprains and strains of sacroiliac region | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| N 847 | Sprains and strains of other and unspecified parts of back | ... | 5 | 5 | 1 | 2 | 2 | ... | ... | 3 |
| N 848 | Other and ill-defined sprains and strains | ... | 4 | 4 | 1 | ... | 3 | ... | ... | 206 |
| | *Head Injury (excluding skull fracture) (N 850-N856)* | | | | | | | | | |
| N 850 | Open wound of scalp | ... | 36 | 36 | 19 | 7 | 8 | 2 | ... | 43 |
| N 851 | Contusion and haematoma of scalp | ... | 13 | 13 | 7 | 3 | 2 | 1 | ... | 106 |
| N 852 | Concussion | ... | 35 | 35 | 16 | 6 | 10 | 3 | ... | 50 |
| N 853 | Cerebral laceration and contusion | ... | 4 | 4 | ... | 2 | ... | 2 | ... | 11 |
| N 854 | Subarachnoid subdural and extra dural haemorrhage following injury (without mention of cerebral laceration or contusion | ... | 1 | 1 | ... | ... | ... | 1 | ... | 2 |
| N 855 | Other and unspecified intracranial haemorrhage following injury (without mention of cerebral laceration or contusion) | 5 | 90 | 95 | 57 | 20 | 5 | 10 | 3 | 203 |
| N 856 | Head injury of other and unspecifid nature | ... | 8 | 8 | 5 | 2 | 1 | ... | ... | ... |

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|---|---|---|---|---|---|---|---|---|---|---|
| | *Internal injury of chest, abdomen and pelvis (N860-869)* | | | | | | | | | |
| N 860 | Tramatic Pneumothorax and haemothorax | ... | ... | ... | ... | ... | ... | ... | ... | 52 |
| N 861 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 862 | Injury to other and unspecified intrathoracic organs | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 3 |
| N 863 | Injury to Gastro-intestinal tract ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| N 864 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 865 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 865 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 866 | Injury to kidney ... | ... | 1 | ... | ... | ... | ... | 1 | ... | ... |
| N 867 | ... ... | | | | | | | | | |
| N 868 | Injury to other and unspecified intra-abdominal organs ... | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | ... |
| N 869 | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Laceration and open wound of face, neck and trunk (N870-N879)* | | | | | | | | | |
| N 870 | Open wound of eye and orbit ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 13 |
| N 871 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| N 872 | Open wound of ear ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 2 |
| N 873 | Other and unspecified laceration of face ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 |
| N 874 | Open wound of neck ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| N 875 | Open wound of chest ... | ... | 7 | 7 | 4 | 3 | ... | ... | ... | 7 |
| N 876 | Open wound of back ... | ... | 5 | 5 | 3 | ... | 2 | ... | ... | ... |
| N 877 | Open wound of buttock ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 878 | Open wound of genital organs including traumatic amputation ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| N 879 | Multiple and unspecified open wounds of face, neck and trunk ... | ... | 5 | 5 | 2 | 1 | 2 | | | 189 |
| | *Laceration and open wound of upper limb (N880-N888)* | | | | | | | | | |
| N 880 | Open wound of shoulder and upper arm ... | ... | 12 | 12 | 5 | 6 | 1 | ... | ... | 38 |
| N 881 | Open wound of elbow and forearm and wrist not involving tendons ... | ... | 4 | 4 | 2 | 2 | ... | ... | ... | 5 |
| N 882 | Open wound of wrist involving tendon ... | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | 25 |
| N 883 | Open wound of hand, except finger(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 |
| N 884 | Open wound of finger(s) ... | ... | 5 | 5 | 1 | 2 | 2 | ... | ... | 66 |
| N 885 | Multiple and unspecified open wounds of one upperlimb ... | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |
| N 886 | Traumatic amputation of thumb(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| N 887 | Traumatic amputation of other finger(s) | ... | 6 | 6 | 1 | 2 | 3 | ... | ... | 24 |
| N 888 | Traumatic amputation of arm and hand | ... | ... | ... | ... | ... | ... | ... | ... | 21 |
| | *Laceration and open wound of lower limb (N890-N898).* | | | | | | | | | |
| N 890 | Open wound of hip and thigh ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... | 8 |
| N 891 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 892 | Open wound of ankle involving tendons ... | ... | 2 | 2 | ... | 2 | ... | ... | ... | 6 |
| N 893 | Open wound of foot, except toe(s) ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 45 |
| N 894 | Open wound of toe(s) ... | .. | 1 | 1 | ... | 1 | ... | ... | ... | 37 |
| N 895 | Multiple and unspecified open wounds of one lowerlimb ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 896 | Traumatic amputation of toe(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| N 897 | ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 898 | Traumatic amputation of leg ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| | *Laceration and wounds of multiple location (N900-N908).* | | | | | | | | | |
| N 900 | Multiple open wounds of both upperlimbs | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... |
| N 901 | Multiple open wounds of both lower limbs | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 902 | Multiple open wounds of both upper and lower limb(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 |
| N 903 | Multiple open wounds of both hands ... | ... | ... | ... | ... | ... | ... | ... | ... | 34 |
| N 904 | Multiple open wounds of both head and limb ... | ... | ... | ... | ... | ... | ... | ... | ... | 41 |
| N 905 | Multiple open wounds of both head and trunk ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 33 |
| N 906 | Multiple open wounds of both trunk of limb ... | ... | 4 | 4 | ... | 3 | ... | 1 | ... | 38 |
| N 907 | Multiple open wounds of face with other sites ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 44 |
| N 908 | Multiple open wounds of unspecified location ... | ... | ... | ... | | ... | ... | ... | ... | 68 |
| | *Superficial injury (N910-N918).* | | | | | | | | | |
| N 910 | Superficial injury of face and neck ... | ... | 2 | 2 | 2 | ... | ... | ... | ... | 36 |
| N 911 | Superficial injury of trunk ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | 33 |
| N 912 | Superficial injury of shoulder and upper arm ... | ... | ... | ... | ... | ... | ... | ... | ... | 23 |
| N 913 | Superficial injury of elbow forearm and wrist ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 37 |
| N 914 | Superficial injury of hand(s) except finger... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 29 |
| N 915 | Superficial injury of finger(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 23 |
| N 916 | Superficial injury of Hip, thigh, leg and ankle ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 32 |
| N 917 | Superficial injury of foot and toe(s) ... | ... | ... | ... | ... | ... | ... | ... | ... | 36 |
| N 918 | Superficial injury of other, multiple and unspecified sites ... | ... | 120 | 120 | 70 | 30 | ... | ... | ... | 78 |

| WHO. No. | Name of the Disease. | IN-PATIENTS. Remained on 31-12-50. | Admitted during 1951. | Total. | Discharges. Cured. | Relieved. | Otherwise. | Died. | Remained. | Out-patients. |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Contusion and crushing with intact skin surface (N920-N929)* | | | | | | | | | |
| N 920 | Contusion of face and neck, except eye(s) | ... | 2 | 2 | 2 | ... | ... | ... | ... | 510 |
| N 921 | Contusion of eye and orbit | ... | ... | ... | ... | ... | ... | ... | ... | 92 |
| N 922 | Contusion of Trunk | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | 86 |
| N 923 | Contusion of shoulder and upper arm | ... | ... | ... | ... | ... | ... | ... | ... | 146 |
| N 924 | Contusion of elbow forearm and wrist | ... | ... | ... | ... | ... | ... | ... | ... | 136 |
| N 925 | Contusion of hand(s) except fingers | ... | 1 | 1 | 1 | ... | ... | ... | ... | 40 |
| N 926 | Contusion of finger(s) | ... | ... | ... | ... | ... | ... | ... | ... | 489 |
| N 927 | Contusion of hip, thigh, leg and ankle | ... | 3 | 3 | ... | 1 | 2 | ... | ... | 204 |
| N 928 | Contusion of foot and toe(s) | 1 | 3 | 4 | ... | 1 | 2 | ... | 1 | 331 |
| N 929 | Contusion of other multiple and unspecified sites | 2 | 321 | 323 | 190 | 133 | ... | ... | ... | 1,337 |
| | *Effects of foreign body entering through orifice (N930-N936).* | | | | | | | | | |
| N 930 | Foreign body in eye and adnexa | ... | ... | ... | ... | ... | ... | ... | ... | 246 |
| N 931 | Foreign body in ear | ... | ... | ... | ... | ... | ... | ... | ... | 109 |
| N 932 | Foreign body in nose | ... | ... | ... | ... | ... | ... | ... | ... | 41 |
| N 933 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 934 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 935 | Foreign body in digestive tract | ... | 1 | 1 | ... | ... | 1 | ... | ... | 1 |
| N 236 | Foreign body in genito-urinary tract | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | *Burns (N 940-N949)* | | | | | | | | | |
| N 940 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 941 | Burn confined to face head and neck | ... | 3 | 3 | ... | 2 | ... | 1 | ... | ... |
| N 942 | Burn confined to trunk | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| N 943 | Burn confined to upper limb(s) except wrist on hand | ... | 3 | 3 | 1 | 2 | ... | ... | ... | ... |
| N 944 | Burn confined to wrists(s) and hand(s) | ... | 1 | 1 | ... | ... | 1 | ... | ... | 1 |
| N 945 | Burn confined to lower limb(s) | ... | 5 | 5 | 4 | 1 | ... | ... | ... | 22 |
| N 946 | Burn involving face, head and neck with limbs | ... | 2 | 2 | 1 | ... | ... | 1 | ... | ... |
| N 947 | Burn involving trunk with limb(s) | ... | 16 | 16 | 7 | 3 | 2 | 4 | ... | ... |
| N 948 | Burn involving face, head and neck with trunk and limb(s) | ... | 4 | 4 | ... | ... | ... | 4 | ... | 7 |
| N 949 | Burn involving other and unspecified parts | 2 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 173 |
| | *Injury to nerves and spinal cord without bone Injury (N 950-N959)* | | | | | | | | | |
| N 950 | Injury to optic nerve(s) | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| N 951 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 952 | Injury to nerve(s) in upper arm | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 953 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 954 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 955 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 956 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 957 | Injury to nerve(s) in ankle and foot | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| N 958 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 959 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | *Effects of poisoning (N 960-N976)* | | | | | | | | | |
| N 960 | Poisoning by noxious foodstuffs | ... | 8 | 8 | 3 | 5 | ... | ... | ... | 1 |
| N 961 | Poisoning by alcohol | ... | 35 | 35 | 13 | 14 | 8 | ... | ... | 47 |
| N 962 | Poisoning by petroleum products | ... | 11 | 11 | 2 | 6 | 3 | ... | ... | 40 |
| N 963 | Poisoning by industrial solvents | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| N 964 | Poisoning by corrosive aromatics, acids and caustic alkalis | ... | 5 | 5 | 1 | 3 | ... | 1 | ... | ... |
| N 965 | Poisoning by mercury and its compounds | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| N 966 | Poisoning by lead and its compounds | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| N 967 | Poisoning by arsenic and antimony and their compounds | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |
| N 968 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 969 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 970 | Poisoning by morphine and other opium derivatives | ... | 1 | 1 | ... | 1 | ... | ... | ... | 10 |
| N 971 | Poisoning by barbituric acid and derivatives | ... | 4 | 4 | 1 | 3 | ... | ... | ... | 1 |
| N 972 | Poisoning by aspirin and salicylates | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| N 973 | Poisoning by Bromides | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 974 | Poisoning by other analgestic and soporific drugs | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| N 975 | Poisoning by sulphonamides | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 976 | Poisoning by strychnine | ... | 4 | 4 | 1 | 3 | ... | ... | ... | 8 |
| | *Other and unspecified injuries and reactions (N 990-N 999)* | | | | | | | | | |
| N 990 | Drowning and non fatal submersion | ... | 3 | 3 | 1 | 1 | ... | 1 | ... | 1 |
| N 991 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 992 | Electrocution and non fatal effects of electric currents | ... | 71 | 71 | 50 | 21 | ... | ... | ... | 201 |
| N 993 | | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 994 | Other general effects of external causes | ... | 80 | 80 | 10 | 38 | 32 | ... | ... | 302 |
| N 995 | Certain early complication of trauma | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| N 996 | Injury of other and unspecified nature | ... | 4 | 4 | 2 | 2 | ... | ... | ... | ... |
| | Grand Total | 229 | 11,450 | 11,679 | 5,435 | 3,719 | 1,561 | 647 | 287 | 78,875 |

*Statement showing classification according to principal sites of lesion in in-patients, suffering from Tuberculosis treated in the B.Y.L. Nair Charitable Hospital during the year 1952.*

| | Respiratory system. | Brain and spinal cord. | Intestines and Peritoneum. | Genito-urinary system. | Bones and Joints. Spine. | Hip. | Knee. | Other. | Glands. | Generalised. | Others. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Discharges ... | 368 | 47 | 59 | 2 | 19 | 9 | 2 | 10 | 21 | ... | 8 | 546 |
| Deaths ... | 24 | 61 | 15 | .... | 1 | ... | ... | 1 | ... | ... | ... | 102 |
| Total ... | 392 | 108 | 74 | 2 | 20 | 9 | 2 | 11 | 21 | ... | 8 | 648 |

*Statement showing patients suffering from Malignant Neoplasms classified according to the type of growth, sex and age, Discharges and deaths during the year 1952.*

| Type of Growth. | Sex. | Age Group. 0-14 years. | 15-24 years. | 25-34 years. | 35-44 years. | 45-54 years. | 55-64 years. | 65-74 years. | 75-84 years. | 85 yrs and above | Results. Discharges. | Deaths | Total. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carcinoma ... | Male ... | 1 | 3 | 3 | 5 | 14 | 8 | 1 | ... | ... | 30 | 5 | 35 | |
| | Female ... | ... | 2 | 1 | 11 | 5 | 2 | 3 | ... | ... | 20 | 4 | 24 | |
| Sarcoma ... | Male ... | 1 | ... | ... | ... | 1 | .... | ..... | ... | ... | 1 | 1 | 2 | |
| | Female ... | ... | ... | ... | ... | 6.. | ... | ..... | ... | ... | ... | ... | ... | |
| Rodent Ulcer ... | Male ... | ... | .... | ... | ... | ... | ..... | ..... | ... | ... | ... | ... | ... | |
| | Female ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | 1 | |
| Unclassified ... | Male ... | 2 | 3 | 6 | 1 | 1 | 1 | 1 | ... | ... | 12 | 3 | 15 | |
| | Female ... | ... | 3 | 1 | ... | 6.. | .... | ..... | ... | ... | 4 | ... | 4 | |
| Total ... | Male ... | 4 | 6 | 9 | 6 | 16 | 9 | 2 | ... | ... | 43 | 9 | 52 | |
| | Female ... | ... | 5 | 2 | 11 | 5 | 2 | 4 | ... | ... | 25 | 4 | 29 | |
| Grand Total ... | | 4 | 11 | 11 | 17 | 21 | 11 | 6 | ... | ... | 68 | 13 | 81 | |

*Statement showing patients suffering from Malignant Neoplasms treated in the B. Y. L. Nair Charitable Hospital during the year 1952, classified according to Sex, site of growth and results.*

| Site of growth. | Sex. | | Result | | | |
|---|---|---|---|---|---|---|
| | | | Discharged. | | Died. | |
| | Males | Female | Male | Female | Male | Female |
| Alimentary Tract ... | 4 | 3 | 3 | 3 | 1 | ... |
| Stomach ... | 4 | 1 | 3 | ... | 1 | 1 |
| Intestines ... | 7 | 3 | 4 | 1 | 3 | 2 |
| Liver ... | 3 | ... | 3 | ... | ... | ... |
| Rectum ... | 2 | 1 | 2 | 1 | ... | ... |
| Respiratory System ... | 9 | ... | 7 | ... | 2 | ... |
| Prostate ... | 4 | ... | 4 | ... | ... | ... |
| Bones and Joints ... | 4 | 1 | 3 | 1 | 1 | ... |
| Ovary and Tubes ... | ... | 2 | ... | 2 | ... | ... |
| Cervix, Vagina and Vulva ... | ... | 7 | ... | 6 | ... | 1 |
| Body of Uterus ... | ... | 2 | ... | 2 | ... | ... |
| Breast ... | ... | 7 | ... | 7 | ... | ... |
| Other sites ... | 15 | 2 | 14 | 2 | 1 | ... |
| Discharged ... | ... | ... | 43 | 25 | ... | ... |
| Died ... | ... | ... | ... | ... | 9 | 4 |
| Total ... | 52 | 29 | 68 | | 13 | |
| Grand Total ... | 81 | | | 81 | | |

*Statement showing the fracture cases treated at the B.Y. L. Nait Charitable Hospital, during the year 1952.*

| Nature of Fracture. | Simple. | Compound. | Patho-logical. | Total. | Operative Reduction. | Complications with. | | | | Results. | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Joints. | Nerves. | Vessels. | Others. | Cured. | Relived. | Otherwise. | Exprired. | |
| Skull Spine and Trunk ... | 41 | ... | ... | 41 | ... | ... | ... | ... | ... | 8 | 25 | 5 | 3 | 41 |
| Clavicle ... | 4 | ... | ... | 4 | 4 | ... | ... | ... | ... | 2 | 2 | ... | ... | 4 |
| Scapula ... | 4 | ... | ... | 4 | 4 | ... | ... | ... | ... | 2 | 2 | ... | ... | 4 |
| Humerus ... | 18 | ... | ... | 18 | 18 | ... | ... | ... | ... | 1 | 2 | 15 | ... | 18 |
| Carpals and Phalanges ... | 5 | 3 | ... | 8 | 8 | ... | ... | ... | ... | 2 | 2 | 4 | ... | 8 |
| Radius and Ulna ... | 29 | 3 | ... | 32 | 32 | ... | ... | ... | ... | 10 | 18 | 4 | ... | 32 |
| Other fractures of upper limb ... | 12 | ... | ... | 12 | ... | ... | ... | ... | ... | ... | 7 | 5 | ... | 12 |
| Femur ... | 52 | 2 | ... | 54 | 32 | ... | ... | ... | ... | ... | 23 | 31 | ... | 54 |
| Patella ... | 16 | ... | ... | 16 | ... | ... | ... | ... | ... | ... | 3 | 13 | ... | 16 |
| Tibia and Fibula ... | 44 | 4 | ... | 48 | 31 | ... | ... | ... | ... | ... | 15 | 33 | ... | 48 |
| Tarsals and Phalanges ... | 6 | 3 | ... | 9 | 9 | ... | ... | ... | ... | 2 | 3 | 4 | ... | 9 |
| Other fractures of lower limb ... | 4 | ... | ... | 4 | ... | ... | ... | ... | ... | 2 | 1 | 1 | ... | 4 |
| Other and unspecified bones ... | 3 | ... | ... | 3 | ... | ... | ... | ... | ... | 1 | ... | 2 | ... | 3 |
| Grand Total ... | 238 | 15 | ... | 253 | 138 | ... | ... | ... | ... | 30 | 103 | 117 | 3 | 253 |

*Statement of poisoning cases treated in the B. Y. L. Nair Charitable Hospital both as in-patients and at the casualty for the year 1952.*

| Nature of poisoning. | In-Patients. | | | | | O.P.D. |
|---|---|---|---|---|---|---|
| | Total. | Cured. | Relieved. | Otherwise. | Died. | Remained. | |
| **Poisoning by—** | | | | | | | |
| Noxious food stuff | ... 8 | 3 | 5 | ... | ... | ... | 1 |
| Alcohol | ... 35 | 13 | 14 | 8 | ... | ... | 47 |
| Petroleum Products | ... 11 | 2 | 6 | 3 | ... | ... | ... |
| Corrosive Aromatics Acids & Alkalies | ... 5 | 1 | 3 | ... | 1 | ... | ... |
| Arsenic and antimony | ... 2 | ... | ... | 2 | ... | ... | ... |
| Barbituric Acid | ... 4 | 1 | 3 | ... | ... | ... | 1 |
| Aspirin and Salicylates | ... ... | ... | ... | ... | ... | ... | 1 |
| Strychnine | ... 4 | 1 | 3 | ... | ... | ... | ... |
| Other and unspecified Substances | ... 5 | 3 | 1 | 1 | ... | ... | 60 |
| Total | ... 74 | 24 | 35 | 14 | 1 | ... | 110 |

*Statement showing cases of tuberculosis of the respiratory system treated in the B.Y.L. Nair Charitable Hospital in the year 1952 as compared to the previous last 4 years.*

| Year. | Pulmonary T. B. | | | | | Other Forms Respiratory T.B. | | | | | Total. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female. | M.Ch. | F.Ch | Total | Male | Female. | M.Ch. | F.Ch. | Total | Male | Female. | M.Ch. | F.Ch. | Total. |
| 1948 | ... 94 | 42 | 2 | ... | 138 | 2 | 3 | ... | ... | 5 | 96 | 45 | 2 | ... | 143 |
| 1949 | ... 90 | 22 | 4 | 4 | 120 | 13 | 11 | 1 | ... | 25 | 103 | 33 | 5 | 4 | 145 |
| 1950 | ... 158 | 5 | ... | ... | 163 | 17 | ... | ... | ... | 17 | 173 | 5 | ... | ... | 178 |
| 1951 | ... 204 | ... | ... | ... | 204 | 21 | ... | ... | ... | 21 | 225 | ... | ... | ... | 225 |
| 1952 | ... 373 | ... | ... | ... | 373 | 19 | ... | ... | ... | 19 | 392 | ... | ... | ... | 93 |

*Classification of operations performed in the Surgical Department of the B. Y. L. Nair Hospital on the the year 1952.*

| Name of the Operation. | IN-PATIENTS. | | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. | | | | Result. | | | | Remaining. | |
| | | Principal. | Secondary. | Total. | No. of Operation. | Cured. | Relieved. | Otherwise. | Died. | | |
| **Operations on the regions of the body.** | | | | | | | | | | | |
| *Incision and drainage abscess—* | | | | | | | | | | | |
| Forehead | | 6 | | 6 | 6 | 6 | | | | | 2 |
| Scalp | | 5 | | 5 | 5 | | 5 | | | | |
| Face | | 8 | | 8 | 8 | 4 | 2 | 2 | | | |
| Cheek | | 4 | | 4 | 4 | 2 | 1 | 1 | | | 5 |
| Chin | | 3 | | 3 | 3 | 2 | 1 | | | | |
| Neck | | 4 | | 4 | 4 | 2 | 1 | 1 | | | 5 |
| Thorax | | 2 | | 2 | 2 | | 2 | | | | |
| Back | | 16 | | 16 | 16 | 13 | 2 | 1 | | | |
| Shoulder | | 4 | | 4 | 4 | 1 | 3 | | | | |
| Buttock and hip | | 17 | | 17 | 17 | 9 | 5 | 3 | | | 6 |
| Axilla | | 4 | | 4 | 4 | 3 | 1 | | | | 75 |
| Groin | | 2 | | 2 | 2 | | 2 | | | | 28 |
| Scapular Region | | 4 | | 4 | 4 | 2 | 2 | | | | |
| Arm | | 3 | | 3 | 3 | | 2 | 1 | | | |
| Forearm | | 2 | | 2 | 2 | 2 | | | | | 43 |
| Palm | | 10 | | 10 | 10 | 8 | 2 | | | | 180 |
| Thigh | | 10 | | 10 | 10 | 5 | 5 | | | | 1 |
| Knee | | 6 | | 6 | 6 | 2 | 3 | 1 | | | |
| Leg | | 2 | | 2 | 2 | 2 | | | | | 3 |
| Ankle | | 4 | | 4 | 4 | 2 | 2 | | | | |
| Foot | | 2 | | 2 | 2 | 2 | | | | | 220 |
| *Aspiration Abscess—* | | | | | | | | | | | |
| Back | | 16 | | 16 | 16 | 12 | 3 | 1 | | | 30 |
| Axilla | | 14 | | 14 | 14 | 11 | 2 | 1 | | | 65 |
| Thigh | | 10 | | 10 | 10 | 5 | 3 | 2 | | | 35 |
| Neck | | 14 | | 14 | 14 | 8 | 3 | 2 | | | |
| *Removal of foreign body—* | | | | | | | | | | | |
| Cysts | | 3 | | 3 | 3 | | 3 | | | | 12 |
| *Excision—* | | | | | | | | | | | |
| Dermoid Cysts | | 10 | | 10 | 10 | 7 | 3 | | | | 13 |
| Sebaceous Cyst | | 3 | | 3 | 3 | | 3 | | | | 76 |
| Fibroma and other benign tumours | | 12 | | 12 | 12 | 9 | 3 | | | | 3 |
| Extra digit | | | | | | | | | | | 2 |
| *Scraping—* | | | | | | | | | | | |
| Ulcer | | 11 | | 11 | 11 | 8 | 3 | | | | 11 |
| *Biopsies* | | 12 | | 12 | 12 | 9 | 3 | | | | 3 |
| *Suture of wounds—* | | | | | | | | | | | |
| Multiple wounds | | 5 | | 5 | 5 | 5 | | | | | |
| Forehead | | 4 | | 4 | 4 | 2 | 2 | | | | 12 |
| Parietal region | | 4 | | 4 | 4 | 1 | 3 | | | | 4 |
| Occipital region | | 4 | | 4 | 4 | 2 | 2 | | | | 3 |
| Scalp | | 24 | | 24 | 24 | 15 | 8 | | 1 | | |
| Face | | 4 | | 4 | 4 | 4 | | | | | |
| Chin | | 1 | 1 | 1 | | | 1 | | | | |
| Neck | | 2 | | 2 | 2 | | 2 | | | | |
| Thorax | | 4 | | 4 | 4 | | | 4 | | | |
| Thoracic Wall | | 3 | | 3 | 3 | 1 | 1 | 1 | | | |
| Back | | 4 | | 4 | 4 | 2 | 2 | | | | |
| Shoulder | | 1 | | 1 | 1 | 1 | | | | | |
| Arm | | 2 | | 2 | 2 | | 2 | | | | |
| Forearm | | 2 | | 2 | 2 | 2 | | | | | |
| Elbow | | 1 | | 1 | 1 | | 1 | | | | |
| Fingers | | 6 | | 6 | 6 | 4 | 2 | | | | |
| Palm | | 3 | | 3 | 3 | 2 | 1 | | | | |
| Thigh | | 4 | | 4 | 4 | 2 | 1 | 1 | | | |
| Knee region | | 3 | | 3 | 3 | 1 | 2 | | | | |
| Foot | | 3 | | 3 | 3 | 2 | 1 | | | | |
| **Operations on the skin and subcutaneous areolar tissues.** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Whitelow | | 7 | | 7 | 7 | 4 | 3 | | | | 100 |
| *Excision—* | | | | | | | | | | | |
| Scraping of sinus | | 16 | | 16 | 16 | 13 | 3 | | | | 6 |
| Excision sinus | | 1 | | 1 | 1 | | 1 | | | | |
| Lipoma excision | | 7 | | 7 | 7 | | 7 | | | | 12 |
| Warts | | | | | | | | | | | 6 |
| Carbuncle | | | | | | | | | | | 1 |
| Haematoma | | | | | | | | | | | 2 |
| Keloid | | 2 | | 2 | 2 | 2 | | | | | |
| Nails | | 4 | | 4 | 4 | | 4 | | | | 34 |
| Corn | | | | | | | | | | | 5 |
| Ulcer | | | | | | | | | | | 27 |
| *Repair—* | | | | | | | | | | | |
| Skin Grafting | | 36 | | 36 | 36 | 14 | 13 | 9 | | | |
| **Operations on the Breast.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Gynaecomastia | | 2 | | 2 | 2 | | 2 | | | | 3 |
| Excision breast | | 5 | | 5 | 5 | | 5 | | | | |
| Radical Mastectomy | | 4 | | 4 | 4 | | 4 | | | | |

| Name of the Operation. | IN-PATIENTS | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. Principal. | Secondary. | Total. | Results. No. of Operation. | Cured. | Relieved. | Discharged. | Died. | Remained. | |
| **Operations on the bones.** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Sequestrectomy: Mandible | | 1 | | 1 | 1 | | 1 | | | | |
| Humerus | | 1 | | 1 | 1 | | 1 | | | | |
| Femur | | 3 | | 3 | 3 | | | 3 | | | |
| Tibia & Fibula | | 1 | | 1 | 1 | | 1 | | | | |
| *Excision—* | | | | | | | | | | | |
| Benign Giant Cell Tumour | | 1 | | 1 | 1 | | | 1 | | | |
| Rib Resection | | 5 | | 5 | 5 | 4 | 1 | | | | |
| Scraping Osteomyelitis' | | | | | | | | | | | |
| Mandible | | 10 | | 10 | 10 | 5 | 2 | | | 3 | |
| Humerus | | 6 | | 6 | 6 | 3 | 1 | | | 2 | |
| Femur | | 6 | | 6 | 6 | 2 | 2 | | | 2 | |
| Tibia | | 7 | | 7 | 7 | 3 | 2 | 1 | | 1 | 4 |
| Tarsal bones | | 2 | | 2 | 2 | | 2 | | | | |
| *Manipulation—* | | | | | | | | | | | |
| Mandible | | 1 | | 1 | 1 | | | 1 | | | 1 |
| Vertebra | | 4 | | 4 | 4 | | 4 | | | | 7 |
| Clavicle | | 1 | | 1 | 1 | | 1 | | | | |
| Humerus | | 6 | | 6 | 6 | 4 | 2 | | | | |
| Radius | | 2 | | 2 | 2 | 1 | 1 | | | | 8 |
| Ulna | | 2 | | 2 | 2 | | 1 | 1 | | | 18 |
| Metacarpal bones | | 2 | | 2 | 2 | | 2 | | | | 5 |
| Femur | | 12 | | 12 | 12 | 2 | 8 | 2 | | | 6 |
| Patella | | 2 | | 2 | 2 | | 2 | | | | |
| Tibia | | 3 | | 3 | 3 | 1 | 1 | 1 | | | 6 |
| Fibula | | 2 | | 2 | 2 | | 1 | 1 | | | 4 |
| Tarsal bones | | 1 | | 1 | 1 | | 1 | | | | 3 |
| Metatarsal bones | | 1 | | 1 | 1 | 1 | | | | | |
| Tibia and Fibula | | 4 | | 4 | 4 | 2 | 1 | 1 | | | |
| **Operations on the joints.** | | | | | | | | | | | |
| *Repairs—* | | | | | | | | | | | |
| Ankylosis joint | | 1 | | 1 | 1 | | 1 | | | | |
| **Operations on the Bursae.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Bursa | | 1 | | 1 | 1 | | 1 | | | | 2 |
| **Operations on the Muscles and Tendons.** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Tenotomy | | 1 | | 1 | 1 | | 1 | | | | |
| *Excision—* | | | | | | | | | | | |
| Ganglion | | 2 | | 2 | 2 | 2 | | | | | 3 |
| **Operations on the Extremities.** | | | | | | | | | | | |
| *Amputation—* | | | | | | | | | | | |
| Arm | | 3 | | 3 | 3 | | 2 | 1 | | | |
| Toe | | 9 | | 9 | 9 | | 5 | 4 | | | 1 |
| Leg | | 7 | | 7 | 7 | 4 | 2 | 1 | | | 2 |
| Foot | | 2 | | 2 | 2 | 2 | | | | | 2 |
| **Operations on the nose and ear.** | | | | | | | | | | | |
| *Repair—* | | | | | | | | | | | |
| Rhinoplasty | | 4 | | 4 | 4 | | 3 | 1 | | | |
| Repair of the ear | | | | | | | | | | | 18 |
| **Operations on the trachea and Bronchi.** | | | | | | | | | | | |
| *Endoscopy—* | | | | | | | | | | | |
| Bronchoscopy | | 18 | | 18 | 18 | 14 | 3 | | 1 | | |
| **Operations on the Lung and Pleura.** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Aspiration empyema | | 6 | | 6 | 6 | | 4 | 2 | | | |
| *Surgical collapse Therapy—* | | | | | | | | | | | |
| Artificial Pneumothorax | 6 | 86 | 118 | 204 | 92 | | | 92 | | | 418 |
| Thoracotomy-Exploratory | | 5 | | 5 | 5 | 2 | 2 | 1 | | | |
| *Excision—* | | | | | | | | | | | |
| Lobectomy | | 5 | | 5 | 5 | | 3 | 1 | 1 | | |
| *Other—* | | | | | | | | | | | |
| Strapping-Chest Wall | | | | | | | | | | | 30 |

| Name of the Operation. | IN-PATIENTS. | | | | | | | | | | OUT-PATIENT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. | | | | Results. | | | | Remained. | |
| | | principal. | Secondary. | Total. | No. of Operation. | Cured. | Relieved. | Discharged. | Died. | | |
| **Operations on the Heart and Pericardium.** | | | | | | | | | | | |
| Cardiomyotomy ... ... | | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| **Operations on the spleen.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Splenectomy ... ... ... | | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| **Operations on the Lymph-nodes.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Cervical lymphnodes ... ... | | 18 | ... | 18 | 18 | 4 | 10 | 4 | ... | ... | 3 |
| Axillary lymphnodes ... ... | | 4 | ... | 4 | 4 | 2 | 2 | ... | ... | ... | ... |
| ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Operations on the lips.** | | | | | | | | | | | |
| *Repair—* | | | | | | | | | | | |
| Plastic operation harelip ... ... | | 13 | ... | 13 | 13 | 5 | 8 | ... | ... | ... | ... |
| **Operations on the tongue.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Papilloma ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| **Operations on the Uvula and palate.** | | | | | | | | | | | |
| *Repair—* | | | | | | | | | | | |
| Cleft palate ... ... ... | | 6 | ... | 6 | 6 | 3 | 2 | 1 | ... | ... | ... |
| **Operations on the salivary glands.** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Removal salivary calculus ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| **Operations on the oesaphagus.** | | | | | | | | | | | |
| *Endoscopy—* | | | | | | | | | | | |
| Oesaphagoscopy ... ... ... | | 15 | ... | 15 | 15 | ... | 4 | 10 | 1 | ... | 1 |
| **Operations on the stomach.** | | | | | | | | | | | |
| *Endoscopy—* | | | | | | | | | | | |
| Gastroscopy ... ... ... | | 2 | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |
| *Excision—* | | | | | | | | | | | |
| Gastrectomy: Partial ... ... | | 34 | ... | 34 | 34 | 20 | 10 | 2 | 2 | ... | ... |
| ,, Total ... ... | | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| *Repair—* | | | | | | | | | | | |
| Gastro-jejunostomy ... ... | | 5 | ... | 5 | 5 | ... | 4 | ... | 1 | ... | ... |
| Gastrostomy ... ... ... | | 1 | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Suture—* | | | | | | | | | | | |
| Suturing Gastric Perforation ... ... | | 7 | ... | 7 | 7 | ... | 5 | 2 | ... | ... | ... |
| **Operations on the intestines (Except rectum).** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Hemicolectomy ... ... ... | | 4 | ... | 4 | 4 | ... | 4 | ... | ... | ... | ... |
| *Repair—* | | | | | | | | | | | |
| Ileocolostomy ... ... ... | | 7 | ... | 7 | 7 | 3 | 2 | 1 | 1 | ... | ... |
| Colostomy ... ... ... | | 3 | ... | 3 | 3 | 1 | 1 | 1 | ... | ... | ... |
| *Suturing—* | | | | | | | | | | | |
| Duodenal Perforation ... ... | | 14 | ... | 14 | 14 | 6 | 7 | ... | 1 | ... | ... |
| Typhoid perforation ... ... | | 4 | ... | 4 | 4 | ... | 4 | ... | ... | ... | ... |
| **Operations on the appendix.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Appendicectomy ... ... | 3 | 144 | ... | 144 | 147 | 80 | 46 | 15 | 3 | 3 | ... |
| **Operations on the rectum.** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Stricture Rectum ... ... | | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| *Endoscopy—* | | | | | | | | | | | |
| Sigmoidescopy ... ... ... | | 17 | ... | 17 | 17 | 13 | 4 | ... | ... | ... | 1 |
| Proctoocopy ... ... ... | | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| *Manipulation—* | | | | | | | | | | | |
| ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sacral resection rectum ... ... | | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |

| Name of the Operation. | IN-PATIENTS | | | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. Principal. | Secondary. | Total. | No. of Operation. | Results. Cured. | Relieved. | Discharged. | Died. | Remained. | | |
| **Operations on the anus.** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| Peri-anal abscess ... ... | ... | 24 | ... | 24 | 24 | 17 | 6 | 1 | ... | ... | | ... |
| *Excision*— | | | | | | | | | | | | |
| Ligature and excision Piles ... | 1 | 75 | ... | 75 | 76 | 58 | 8 | 7 | 1 | 2 | | ... |
| Condyloma ... ... ... | ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | | ... |
| *Introduction*— | | | | | | | | | | | | |
| Injection piles ... ... | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | 111 |
| *Suture*— | | | | | | | | | | | | |
| Fistulectomy ... ... | 1 | 73 | ... | 73 | 74 | 46 | 14 | 10 | ... | 4 | | ... |
| *Repairs*— | | | | | | | | | | | | |
| Imperforate anus ... ... | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | | ... |
| **Operations on the liver.** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| Aspiration: Liver Abscess ... ... | ... | 5 | ... | 5 | 5 | ... | 2 | 3 | ... | ... | | ... |
| **Operations on the biliary tract.** | | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | | |
| Cholecystectomy ... ... | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| *Repair*— | | | | | | | | | | | | |
| Cholecysto-lithotomy ... ... | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | | ... |
| Cholecysto-jejunostomy ... ... | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| **Operations on the abdomen, Omentum and Peritoneum.** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| Exploratory laparotomy ... ... | ... | 46 | ... | 46 | 46 | 16 | 18 | 5 | 7 | ... | | ... |
| *Endoscopy*— | | | | | | | | | | | | |
| Peritoneoscopy ... ... | ... | 3 | ... | 3 | 3 | 2 | 1 | ... | ... | ... | | ... |
| *Repair*— | | | | | | | | | | | | |
| Hernioplasty: Ventral ... ... | ... | 3 | ... | 3 | 3 | ... | 2 | 1 | ... | ... | | ... |
| Inguinal ... | 6 | 190 | ... | 190 | 196 | 157 | 30 | 4 | ... | 5 | | ... |
| Inguinal (Strangulated) | 1 | 24 | ... | 24 | 25 | 13 | 8 | 3 | 1 | ... | | ... |
| **Operations on the kidneys.** | | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | | |
| Nephrectomy ... ... ... | ... | 3 | ... | 3 | 3 | ... | 2 | 1 | ... | ... | | ... |
| **Operations on the Bladder—** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| Suprapubic cystostomy ... ... | ... | 8 | ... | 8 | 8 | 3 | 3 | 2 | ... | ... | | ... |
| Cysto-lithotomy ... ... | ... | 7 | ... | 7 | 7 | ... | 7 | ... | ... | ... | | ... |
| *Endoscopy*— | | | | | | | | | | | | |
| Cystoscopy ... ... | ... | 26 | ... | 26 | 26 | 14 | 8 | 4 | ... | ... | | ... |
| Ascending Pyclography ... ... | ... | 3 | ... | 3 | 3 | ... | 1 | 2 | ... | ... | | ... |
| **Operations on the urethra—** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| External urethrotomy ... ... | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | | ... |
| Meatotomy ... ... | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | | ... |
| *Repair*— | | | | | | | | | | | | |
| Hypospadiasis ... ... | ... | 3 | ... | 3 | 3 | 2 | 1 | ... | ... | ... | | ... |
| *Manipulation*— | | | | | | | | | | | | |
| Dilatation Urethra ... ... | ... | 28 | ... | 28 | 28 | 17 | 8 | 3 | ... | ... | | 32 |
| **Operation on the penis—** | | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | | |
| Reduction paraphymosis ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 4 |
| **Excision—** | | | | | | | | | | | | |
| Amputation penis ... ... | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | | ... |
| Circumcision ... ... | ... | 9 | ... | 9 | 9 | 6 | 2 | 1 | ... | ... | | 49 |
| **Operations on the testis—** | | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | | |
| Spermatocele ... ... | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | | ... |
| Orchidectomy ... ... | ... | 8 | ... | 8 | 8 | 5 | 2 | 1 | ... | ... | | ... |

| Name of the Operation. | IN-PATIENTS. | | | | | | | | | | | OUT-PATIENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. | | | | Results. | | | | | | |
| | | principal. | Secondary. | Total. | No. of Operation. | Cured. | Relieved. | Discharged. | Died. | Remained. | | |
| **Operations on the tunica vaginalis—** | | | | | | | | | | | | |
| *Aspiration—* | | | | | | | | | | | | |
| Pyocoele | ... | 4 | ... | 4 | 4 | 3 | 1 | ... | ... | ... | | 1 |
| Tapping Hydrocoele | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 52 |
| *Excision—* | | | | | | | | | | | | |
| Radical cure hydrocoele | ... | 6 | 201 | ... | 201 | 207 | 189 | 6 | 3 | ... | 9 | ... |
| Haematocoele | ... | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| **Operations on the Vas Deferens** | ... | ... | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Vasectomy | ... | ... | 12 | ... | 12 | 12 | 12 | ... | ... | ... | ... | 2 |
| **Operations on the prostate—** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Prostatectomy | ... | ... | 30 | ... | 30 | 30 | 16 | 8 | 2 | 2 | 2 | ... |
| **Operations on the thyroid—** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Thyroidectomy: Sub-total | ... | ... | 3 | ... | 3 | 3 | ... | ... | 2 | 1 | ... | ... |
| Thyroidectomy: Partial | ... | ... | 8 | ... | 8 | 8 | ... | 8 | ... | ... | ... | ... |
| Excision Thyroidcyst | ... | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| **Operations on the structures overlying the meninges and spinal cord—** | | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | | |
| Cerebral decompression | ... | ... | 8 | ... | 8 | 8 | ... | ... | 7 | 1 | ... | ... |
| *Excision—* | | | | | | | | | | | | |
| Laminectomy | ... | 2 | 10 | ... | 10 | 12 | 4 | 5 | ... | 1 | 2 | ... |
| Encephalography | ... | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| **Operations on the peripheral nerves—** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Phrenic avulsion | ... | ... | 16 | ... | 16 | 16 | 10 | 6 | ... | ... | ... | 3 |
| *Destruction—* | | | | | | | | | | | | |
| T. A. O. | ... | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| **Operations on the vegetative nervous system—†** | | | | | | | | | | | | |
| Sympathectomy: Lumbar | ... | ... | 4 | ... | 4 | 4 | 2 | 1 | 1 | ... | ... | ... |
| Sympathectomy: Thoracic | ... | ... | 3 | ... | 3 | 3 | ... | ... | 3 | ... | ... | ... |
| Sympathectomy: cervical | ... | ... | 8 | ... | 8 | 8 | 5 | 2 | 1 | ... | ... | ... |
| **Other operations—** | | | | | | | | | | | | |
| Biopsies | ... | ... | 30 | ... | 30 | 30 | 29 | ... | ... | 1 | ... | 26 |
| Injection Novocaine | ... | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | 31 |
| Radium implantation | ... | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| Excision of Angioma | ... | ... | 6 | ... | 6 | 6 | 4 | 2 | ... | ... | ... | ... |
| Injection of varicose veins | ... | ... | 5 | ... | 5 | 5 | 5 | ... | ... | ... | ... | ... |
| Injection alcohol | ... | ... | 5 | ... | 5 | 5 | 5 | ... | ... | ... | ... | ... |
| Injection proctocaine | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 35 |
| Dressing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 |
| Catheterization | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 |
| Grand Total | ... | 26 | 1,843 | 118 | 1,961 | 1,869 | 1,059 | 488 | 259 | 28 | 35 | 1,952 |

*Classification of operations performed in the Orthopaedic Dept. of the B. Y. L. Nair Charitable Hospital During the Year 1952.*

| Name of the Operation. | IN-PATIENTS | | | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. Principal. | Secondary. | Total. | No. of Operation. | Results. Cured. | Relieved | Discharged. | Died. | Remained. | | |
| **Operations on the Regions of the body—** | | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | | |
| Aspiration joints | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 2 |
| *Excision—* | | | | | | | | | | | | |
| Accessary digit | ... ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | | ... |
| Ganglion | ... ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | | ... |
| *Destruction—* | | | | | | | | | | | | |
| Debridement Crushed Injuries— | 25 | ... | 25 | 25 | 18 | 7 | ... | ... | ... | ... | | ... |
| Debridement C. L. W. | ... 12 | ... | 12 | 12 | 12 | ... | ... | ... | ... | ... | | ... |
| *Manipulation—* | | | | | | | | | | | | |
| Plastering | ... ... | 16 | ... | 16 | 16 | ... | 16 | ... | ... | ... | | 22 |
| **Operations on the skin and Subcutaneous Areolar tissues** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Keloid | ... ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | | ... |
| *Repairs—* | | | | | | | | | | | | |
| Sking Grafting | ... ... | 20 | ... | 20 | 20 | 10 | 8 | 2 | ... | ... | | ... |
| **Operations on the bones—** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Patella | ... ... | 10 | ... | 10 | 10 | 10 | ... | ... | ... | ... | | ... |
| Wiring of fractures | ... ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| Removal of suture | ... ... | 2 | ... | 2 | 2 | ... | ... | 2 | ... | ... | | ... |
| Bone Traction | ... ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| *Repairs—* | | | | | | | | | | | | |
| Passing Steinman pin | ... ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | | ... |
| *Destruction—* | | | | | | | | | | | | |
| *Reduction and plastering—* | | | | | | | | | | | | |
| Clavicle | ... ... | 4 | ... | 4 | 4 | 2 | 2 | ... | ... | ... | | ... |
| Scapula | ... ... | 4 | ... | 4 | 4 | 2 | 2 | ... | ... | ... | | ... |
| Humerus | ... 2 | 18 | ... | 18 | 20 | 2 | 12 | 3 | ... | 3 | | 9 |
| Radius and Ulna | ... ... | 20 | ... | 20 | 20 | 6 | 10 | 3 | ... | 1 | | 12 |
| Coll 's fracture | ... ... | 12 | ... | 12 | 12 | 4 | 8 | ... | ... | ... | | 28 |
| Phalanges of hand | ... ... | 10 | ... | 10 | 10 | 2 | 4 | 2 | ... | 2 | | 3 |
| Femur | ... ... | 32 | ... | 32 | 32 | 5 | 8 | 18 | ... | 1 | | ... |
| Tibia and Fibula | ... ... | 31 | ... | 31 | 31 | 8 | 10 | 12 | ... | 1 | | ... |
| Tarsal and metatarsal | ... ... | 10 | ... | 10 | 10 | ... | ... | 10 | ... | ... | | ... |
| Osteosclasis | ... ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | | ... |
| Plastering or Hip Spica or Traction | ... ... | 48 | ... | 48 | 48 | 6 | 13 | 29 | ... | ... | | 2 |
| Removal of plasters | ... ... | 7 | ... | ... | 7 | ... | ... | 7 | ... | ... | | ... |
| Dressings | ... ... | 79 | ... | 79 | 79 | ... | ... | 79 | ... | ... | | 19 |
| **Operations on the joints capsule, synovial membrane, cartileges and Ligaments—** | | | | | | | | | | | | |
| *Destruction—* | | | | | | | | | | | | |
| Reduction dislocation | ... ... | 4 | ... | 4 | 4 | ... | 4 | ... | ... | ... | | 3 |
| Correction Ankylosis | ... ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | | ... |
| **Operations on Bursa—** | | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | | |
| Bursa | ... ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| **Operations on Muscles—** | | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | | |
| Tenotomy | ... ... | 2 | ... | 2 | 2 | ... | ... | 2 | ... | ... | | ... |
| **Operations on the extremities—** | | | | | | | | | | | | |
| *Amputations—* | | | | | | | | | | | | |
| Amputations | ... ... | 16 | ... | 16 | 16 | ... | ... | 16 | ... | ... | | 6 |
| **Other operations—** | | | | | | | | | | | | |
| Strapping | ... ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| Removal of pin | ... ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | | ... |
| Correction Talipes equinon varus | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... |
| Biopsy | ... ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | | 8 |
| Injection Novocaine | ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 2 |
| Total | ... 2 | 398 | ... | 398 | 400 | 92 | 110 | 190 | ... | 8 | | 121 |

*Classification of operations performed in the Gynaecological Dept. of the B. Y. L. Nair Ch. Hospital During the Year 1952.*

| Name of the Operation. | IN-PATIENTS. | | | | | | | | | | | OUT-PATIENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Re-maining. | No. of Operations. | | | | Results. | | | | Re-mained. | |
| | | princi-pal. | Se-condary. | Total. | No. of Operation. | Cured. | Relieved. | Dis-charged. | Died. | | |
| **Operations on the abdomen peritoneum and Omentum—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Exploratory Laparotomy ... ... | | 32 | ... | 32 | 32 | 15 | 8 | 8 | ... | 1 | ... |
| *Repairs—* | | | | | | | | | | | |
| Hernioplasty Ventral Hernia ... ... | | 3 | ... | 3 | 3 | 2 | 1 | ... | ... | ... | ... |
| *Suture—* | | | | | | | | | | | |
| Suturing Abdominal Wall ... ... | | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | ... |
| **Operations on the ureter—** | | | | | | | | | | | |
| *Repair—* | | | | | | | | | | | |
| Ureteric transplantation ... ... | | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| **Operations on the urethra—** | | | | | | | | | | | |
| *Endoscopy—* | | | | | | | | | | | |
| Cystoscopy ... ... | | 5 | ... | 5 | 5 | ... | 5 | ... | ... | ... | ... |
| **Operations on the vulva—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Bartholin Cyst. ... ... | | 3 | ... | 3 | 3 | ... | 3 | ... | ... | ... | 3 |
| **Operations on the Vagina—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Post Colpostomy ... ... | | 3 | ... | 3 | 3 | 2 | 1 | ... | ... | ... | ... |
| Plastic Vagina ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| *Repair—* | | | | | | | | | | | |
| Colporrhaphy ... ... | | 7 | ... | 7 | 7 | ... | 5 | 2 | ... | ... | ... |
| *Suture—* | | | | | | | | | | | |
| Colpoperineorrhaphy ... ... | | 12 | ... | 12 | 12 | 6 | 4 | 2 | ... | ... | ... |
| Closure, Vesico Vaginal Fistula ... | | 2 | ... | 2 | 2 | 1 | 1 | ... | ... | ... | ... |
| Closure, Recto Vaginal Fistula ... | | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| Replacement of prolapsed uterus ... | | 3 | ... | 3 | 3 | ... | 3 | ... | ... | ... | ... |
| La Forte's operation ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Shirodkar's operation ... ... | | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| **Operations on the Oviduct—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Salphingectomy ... ... | | 7 | ... | 7 | 7 | 4 | 2 | 1 | ... | ... | ... |
| Salphingoophrectomy ... ... | | 5 | ... | 5 | 5 | 3 | 2 | ... | ... | ... | ... |
| *Repair—* | | | | | | | | | | | |
| Salphingostomy ... ... | | 8 | ... | 8 | 8 | 6 | 2 | ... | ... | ... | ... |
| **Operations on the ovary—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Removal of ovarian cyst. ... ... | | 4 | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... |
| *Excision—* | | | | | | | | | | | |
| Oophrectomy ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| **Operations on the Uterus and Cervix Uteri—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Myomectomy ... ... | | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| Hysterectomy vaginal ... ... | | 14 | ... | 14 | 14 | 7 | 4 | 2 | ... | 1 | ... |
| Pan Hysterectomy total ... ... | | 9 | ... | 9 | 9 | 6 | 2 | 1 | ... | ... | ... |
| Mayowards operation ... ... | | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| Sub total Hysterectomy ... ... | | 45 | ... | 45 | 45 | 26 | 10 | 8 | ... | 1 | ... |
| Wertheims Hysterectomy ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Brunswicks operation ... ... | | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| Cervical Biopsy ... ... | | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | 6 |
| Dilatation and Curetting ... | 2 | 163 | ... | 163 | 165 | 70 | 83 | 10 | ... | 2 | 40 |
| Rubin Test ... ... | | 3 | ... | 3 | 3 | ... | 3 | ... | ... | ... | 84 |
| *Introduction—* | | | | | | | | | | | |
| Insertion Luminarian tent ... ... | | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| Cauterization Cervix ... ... | | 5 | ... | 5 | 5 | 5 | ... | ... | ... | ... | 75 |
| **Operations on the perineum—** | | | | | | | | | | | |
| *Suture—* | | | | | | | | | | | |
| Perineorrhaphy ... ... | | 4 | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... |
| Repair Perineal Tear ... ... | | 5 | ... | 5 | 5 | ... | 5 | ... | ... | ... | ... |
| **Operations on the Uterine adnexa—** | | | | | | | | | | | |
| Ventrisuspension ... ... | | 32 | ... | 32 | 32 | 14 | 10 | 4 | ... | 4 | ... |
| **Obstetric operations—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Caesarian Section ... ... | | 24 | ... | 24 | 24 | 10 | 7 | 7 | ... | ... | ... |
| Puerperal sterilization ... ... | | 79 | ... | 79 | 79 | ... | 79 | ... | ... | ... | ... |
| **Other operations—** | | | | | | | | | | | |
| Exploration of sinus ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Radium implantation ... ... | | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Total ... | 2 | 514 | ... | 514 | 516 | 205 | 257 | 45 | ... | 9 | 262 |

*Classification of operations performed in the ear-nose & throat Dept. of the B. Y. L. Nair ch. Hospital During the Year 1952.*

| Name of the Operation. | IN-PATIENTS | | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. Principal. | Secondary. | Total. | No. of Operation. | Results. Cured. | Relieved. | Discharged. | Died. | Remained. | |
| **Operations on the Bones—** | | | | | | | | | | | |
| Sequestrectomy Osteomyelitis | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| **Operations on the nose—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Excision : Nasal Fibroma | ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | ... |
| Submucous Resection—septectomy. | 1 | 109 | ... | 109 | 110 | 68 | 30 | 10 | ... | 2 | ... |
| Partial Turbinectomy | ... | 10 | ... | 10 | 10 | 4 | 4 | 2 | ... | ... | 3 |
| Cautery | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| *Repair—* | | | | | | | | | | | |
| Rhinoplastry | ... | 3 | ... | 3 | 3 | 2 | 1 | ... | ... | ... | 2 |
| Ivory graft nose | ... | 18 | ... | 18 | 18 | 10 | 8 | ... | ... | ... | ... |
| Removal of foreign body | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | 5 |
| **Operations on the Acessory sinuses—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Frontal sinusotomy | ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| Howarth's operation | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Maxillary sinustomy (Puncture) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,132 |
| Caldwelluc | ... | 30 | ... | 30 | 30 | 18 | 10 | 2 | ... | ... | ... |
| *Excision—* | | | | | | | | | | | |
| Resection maxilla | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Resection ethmoid sinus | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Excision Nasal Polyp | ... | 4 | ... | 4 | 4 | 4 | ... | ... | ... | ... | 5 |
| *Endoscopy—* | | | | | | | | | | | |
| Ethmoidoscopy | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| **Operations on the larynx—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Laryngectomy | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| Biopsy Larynx | ... | 1 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... |
| *Endoscopy—* | | | | | | | | | | | |
| Laryngoscopy | ... | 5 | ... | 5 | 5 | ... | 2 | 3 | ... | ... | 3 |
| **Operations on the Trachea and Bronchi—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Tracheotomy | ... | 6 | ... | 6 | 6 | ... | 6 | ... | ... | ... | ... |
| *Endoscopy—* | | | | | | | | | | | |
| Bronchoscopy | ... | 2 | ... | 2 | 2 | ... | ... | 2 | ... | ... | ... |
| **Operations on the stomach—** | | | | | | | | | | | |
| *Repair—* | | | | | | | | | | | |
| Gastrostomy | ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | ... |
| **Operations on the Pharynx, Adenoids and Tonsils—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Incision Peritonsillar abscess | ... | 4 | ... | 4 | 4 | ... | 4 | ... | ... | ... | ... |
| *Excision—* | | | | | | | | | | | |
| Tonsillectomy and Adenoidectomy. | 1 | 514 | ... | 514 | 515 | 491 | 11 | 9 | ... | 4 | ... |
| Tonsillectomy | ... | 435 | ... | 435 | 435 | 419 | 16 | ... | ... | ... | 1 |
| Biopsy Pharynx | ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | ... |
| Biopsy Tonsils | ... | 17 | ... | 17 | 17 | ... | 12 | 5 | ... | ... | 28 |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Operation on the oesaphagus—** | | | | | | | | | | | |
| *Endoscopy—* | | | | | | | | | | | |
| Oesaphagoscopy | ... | 11 | ... | 11 | 11 | ... | 7 | 4 | ... | ... | 10 |
| Oesaphagoscopy with dilatation | ... | 9 | ... | 9 | 9 | ... | ... | 9 | ... | ... | ... |
| **Operations on the external ear** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Incision furuncle | ... | 4 | ... | 4 | 4 | 4 | ... | ... | ... | ... | 7 |
| *Excision—* | | | | | | | | | | | |
| Removal foreign body | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | 5 |
| *Repair—* | | | | | | | | | | | |
| Tear Ear lobule | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |

| Name of the Operation. | IN-PATIENTS. | | | | | | | | | | | OUT-PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. | | | | Results. | | | | Remained. | |
| | | principal. | Secondary. | Total. | No. of Operation. | Cured. | Relieved. | Discharged. | Died. | | |
| **Operation on the middle ear—** | | | | | | | | | | | |
| *Incision—* | | | | | | | | | | | |
| Myringotomy | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Operations on the internal ear* | | | | | | | | | | | |
| Excision Labryuthectomy | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| *Excision—* | | | | | | | | | | | |
| Conservative mastoidectomy | ... | 13 | ... | 13 | 13 | 4 | 7 | 1 | 1 | ... | ... |
| Radical Mastoidectomy | ... | 54 | ... | 54 | 54 | 33 | 13 | 8 | ... | ... | 1 |
| *Repair—* | | | | | | | | | | | |
| Mastoid sinus | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| **Operations on the lymphnodes—** | | | | | | | | | | | |
| *Excision—* | | | | | | | | | | | |
| Biopsy cervical glands | ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | 3 |
| **Operations on the oral cavity—** | | | | | | | | | | | |
| Partial uvulectomy | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Biopsy tongue | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Excision Ranula | ... | 4 | ... | 4 | 4 | ... | 4 | ... | ... | ... | ... |
| Dermoid Cyst. | ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| **Operations on the intracranial structure—** | | | | | | | | | | | |
| Brain Abscess | ... | 1 | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| Total | ... 2 | 1,278 | ... | 1,278 | 1,280 | 1,071 | 143 | 58 | 2 | 6 | 2,224 |

*Classification of operations performed in the ophthalmic Dept. of the B. Y. L. Nair Ch. Hospital During the year 1952.*

| Name of the Operation. | IN PATIENTS | | | | | | | | | | OUT PATIENTS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Remaining. | No. of Operations. Principal. | Secondary. | Total. | No. of Operation. | Results. Cured. | Relieved. | Discharged. | Died. | Remained. | |
| **Operations on the Eye Ball** | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | |
| Enucleation of the eye ball | ... ... | 4 | ... | 4 | 4 | 2 | 2 | ... | ... | ... | 1 |
| Eviseeration of eye ball | ... ... | 5 | ... | 5 | 5 | ... | 5 | ... | ... | ... | ... |
| Repair of socket | ... ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Separation of adhesion | ... ... | 1 | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| **Operations on the cornea**— | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | |
| Keratocentesis | ... ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | 2 |
| *Repair*— | | | | | | | | | | | |
| Keratoplasty | ... ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| Graft of cornea | ... ... | 4 | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... |
| **Operations on the sclera**— | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | |
| Scelerectomy by Trephining | ... ... | 8 | ... | 8 | 8 | 6 | 2 | ... | ... | ... | ... |
| **Operations on the Iris and Ciliary body**— | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | |
| Iridotomy | ... ... | 46 | ... | 46 | 46 | 42 | 4 | ... | ... | ... | 3 |
| *Excision*— | | | | | | | | | | | |
| Iridectomy | ... ... | 5 | ... | 5 | 5 | 5 | ... | ... | ... | ... | 1 |
| *Destruction*— | | | | | | | | | | | |
| Cyclodialysis | ... ... | 3 | ... | 3 | 3 | 3 | ... | ... | ... | ... | ... |
| **Operations on the Crystalline lens**— | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | |
| Needling of lens | ... ... | 11 | ... | 11 | 11 | 4 | 6 | 1 | ... | ... | ... |
| *Excision*— | | | | | | | | | | | |
| Extraction of catract | ... 5 | 283 | ... | 283 | 288 | 240 | 20 | 15 | ... | 13 | ... |
| **Operations on the ocular muscles**— | | | | | | | | | | | |
| *Repair*— | | | | | | | | | | | |
| Correction of squint | ... ... | 2 | ... | 2 | 2 | 2 | ... | ... | ... | ... | 1 |
| **Operations on the Eye Lids**— | | | | | | | | | | | |
| *Incision*— | | | | | | | | | | | |
| Blepharatomy with drainage of meibomian glands. | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | ... | 3 |
| *Excision*— | | | | | | | | | | | |
| Tarsectomy | ... ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | 3 |
| Correction entropion | ... ... | 7 | ... | 7 | 7 | 2 | 3 | 2 | ... | ... | 20 |
| Excision staphyloma | ... ... | 7 | ... | 7 | 7 | 7 | ... | ... | ... | ... | ... |
| Biopsy of growth | ... ... | 3 | ... | 3 | 3 | ... | ... | 3 | ... | ... | 1 |
| Excision pterygium | ... ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | 15 |
| Excision of follicles (Tranchoma). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| **Operations on the lacrymal tract**— | | | | | | | | | | | |
| *Excision*— | | | | | | | | | | | |
| Dacryoeystectomy | ... ... | 5 | ... | 5 | 5 | 2 | 2 | 1 | ... | ... | 29 |
| *Repair*— | | | | | | | | | | | |
| Dacryocysto Rhinostomy | ... ... | 18 | ... | 18 | 18 | 10 | 5 | 3 | ... | ... | ... |
| Implatation of tube (Naso Lacrymal canal) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| **Operations on Skin and Subcutaneous Arealar Tissues**— | | | | | | | | | | | |
| Skin grafting | ... ... | 2 | ... | 2 | 2 | ... | 2 | ... | ... | ... | ... |
| Grand Total | ... 5 | 424 | ... | 424 | 429 | 333 | 58 | 25 | ... | 13 | 106 |

| Description. | Out-patients | | In-patients | |
|---|---|---|---|---|
| | Male. | Female. | Male. | Female. |
| Congenital Syphillis ... | 3 | 2 | 11 | 2 |
| Early Syphilis ... | 30 | ... | 15 | 2 |
| Latent Syphilis ... | 40 | 1 | 23 | 4 |
| Syphilis unqualified ... | 430 | 192 | 9 | 1 |
| Total No. of cases of Syphilis ... | 503 | 195 | 58 | 9 |
| Acute Gonorrhoea ... | 263 | 40 | 4 | ... |
| Chronic Gonorrhoea ... | 4 | 1 | 3 | 1 |
| Other Gonococcal infection ... | ... | ... | ... | ... |
| Total No. of cases of Gonorrhoea ... | 267 | 41 | 7 | 1 |
| Chancroid ... | 288 | 62 | 8 | ... |
| Other Venereal Diseases ... | 182 | 31 | 3 | ... |
| Leprosy ... | 68 | 31 | ... | ... |
| Skin disease other than Leprosy ... | 4,368 | 2,742 | 194 | 36 |
| Grant Total of Skin, Venereal and Leprosy cases treated during the year. | 5,676 | 3,102 | 270 | 46 |

## B. Y. L. NAIR CHARITABLE HOSPITAL

### Annual Report of the X-Ray and Electrotheraphy Department for 1952-53

(1) 2,239 Patient's Skiagrams were taken—
1,297 were in-patients (894 Males, 321 females and 128 children).
942 were out-patients (389 Males, 279 females and 174 children).

(2) 4,179 Fluroscopic examinations of chest and foreign bodies were done—
256 were in-patients (105 Males, 53 Females and 98 Children).
3,923 were out-patients (2,283 Males, 1,265 Females and 376 Children).

(3) 154 Barium Meal investigations were undertaken—
146 were in-patients (110 Males and 36 Females).
8 were out-patients (6 Males and 2 Females).

(4) 18 patients were given Ultra-Violet radiation.—
2 were in-patients (1 Male and 1 Female).
16 were out-patients (5 Males 8 Females and 3 Children).

(5) 919 patients were given Shortwave diathiermy—
77 were in-patients (48 Males and 29 Females).
844 were out-patients (415 Males and 429 Females).

(6) 400 patients were given Deep X-Ray Treatment—
(214 Males, 181 Females and 5 Children).

(7) 85 patients were given Superficial X-Ray Treatment—
(50 Males, 31 Females and 4 Children).

*A Statement showing the number of Electro-cardiograms classified according to the clinical conditions for which these were taken in the Nair Hospital during the year 1952.*

| | |
|---|---|
| Congestive cardiac failure ... ... ... ... ... ... | 92 |
| Coronary thrombosis ... ... ... ... ... ... | 102 |
| Chest pain ... ... ... ... ... ... ... | 65 |
| Valvular heart disease ... ... ... ... ... ... | 53 |
| Cardiac arhythmias ... ... ... ... ... ... ... | 48 |
| Hypertension ... ... ... ... ... ... ... | 33 |
| Rheumatic fever ... ... ... ... ... ... ... | 9 |
| Pericarditis ... ... ... ... ... ... ... | 10 |
| Aortic aneurysm ... ... ... ... ... ... ... | 5 |
| Congenital heart disease ... ... ... ... ... ... | 16 |
| Hyperthyroidism ... ... ... ... ... ... ... | 5 |
| Hypothyroidism ... ... ... ... ... ... ... | *Nil.* |
| Miscellaneous ... ... ... ... ... ... ... | 134 |
| Total ... | 572 |

### Department of Pathology and Bacteriology

25,064 Laboratory investigations were carried out during the year 1952. (1st of January 1952 to 31st of December 1952) Investigations are grouped under the following heads :—

I.—Pathological. II.—Bacteriological. III.—Biological. IV.—Biochemical.

### I.—Pathological

| | |
|---|---|
| (*i*) Routine Examination of Urine ... ... ... | 1991 |
| (*ii*) Routine Examination of Blood— | |
| (1) Cytological Examination— | |
| (*a*) Complete cytology ... ... ... | 1879 |
| (*b*) Platelet count ... ... ... | 18 |
| (*c*) Reticulocytes ... ... ... | 82 |
| (*d*) Red cell Diameter ... ... ... | 33 |
| (2) Coagulation time of blood ... ... ... | 521 |
| (3) Bleeding time of blood ... .. ... | 521 |
| (4) Grouping and Matching of blood for transfusion .. ... | 969 |
| (5) Sedimentation Rate ... .. ... | 732 |
| (6) Fragility Test ... ... ... | 12 |

## I.—Pathological.

| | |
|---|---|
| (7) Detection of Malarial Parasites ... ... ... | 45 |
| (8) Sternal marrow ... .. | 111 |
| (9) Clot Retraction ... ... ... | 10 |
| (10) Packed cell Volume and M. C. D. ... ... ... | 236 |
| (*iii*) Examination of Faeces ... ... ... | 2778 |
| (*a*) Examination of Faeces for Occult Blood ... ... | 7 |
| (*iv*) Examination of Sputum ... ... ... | 1900 |
| (*v*) Examination of Puncture fluids— | |
| (*a*) Cerebro-spinal fluid ... ... ... | 756 |
| (*b*) Pleural fluids ... ... ... | 186 |
| (*c*) Ascitic fluid ... ... ... | 25 |
| (*d*) For Malignant cells ... ... | 14 |
| (*vi*) Semen Examination ... ... ... | 113 |
| Histological Examination of Surgical tissues ... ... ... | 1239 |
| Total No. of P. M. Blocks ... ... ... ... ... | 642 |
| Total No. of Blocks prepared for class & Museum ... ... ... | 74 |

## II.—Bacteriology

| | |
|---|---|
| (*i*) Urine— | |
| (*a*) Culture Examination .. ... .. | 110 |
| (*ii*) Blood— | |
| (*a*) Culture examination .. .. .. | 78 |
| (*b*) Clot Cultural examination ... ... ... | 347 |
| (*c*) Serological Examination— | |
| (1) Widal reaction .. ... .. | 347 |
| (2) Wasserman reaction C.S.F. .. ... .. | 64 |
| (3) ,, ,, Blood .. .. ... | 4 |
| (4) Kahn Test ... ... ... | 3313 |
| (5) Weil Felix reaction .. .. ... | 306 |
| (6) Agglutination test against Brucella group .. .. | 20 |
| (7) Cold agglutination test ... ... ... | 23 |
| (8) Paul Bunnel test ... ... ... | 3 |
| (9) Lepto Spirosis ... ... ... | 5 |
| (*iii*) Faeces— | |
| (1) Cultural examination .. .. .. | 53 |
| (*iv*) Puncture fluid—Cultural Examination— | |
| (1) Cerebro-spinal fluids ... .. ... | 41 |
| (2) Pleural fluids ... .. .. | 38 |
| (3) Peritoneal fluids ... ... ... | 21 |
| (4) Other aspirated fluids ... ... ... | 35 |
| (*v*) Microscopic and Cultural Examination of— | |
| (1) Sputum for M. tuberculosis .. .. .. | 6 |
| (2) Pus ... ... ... | 53 |
| (3) Nasal swab .. ... .. | 74 |
| (4) Throat swab .. .. .. | 154 |
| (5) Tongue swab ... ... ... | 11 |
| (6) Ear swab . .. .. | 1 |
| (7) Vaginal swab ... .. .. | 6 |
| (8) Rectal swab .. .. .. | 2 |
| (9) Mouth swab .. ... ... | 1 |
| (10) Vul al swab ... ... ... | 2 |
| (11) Vomit ... ... .. | 1 |
| (12) Nose membrane ... ... ... | 1 |
| (13) Antrum puncture ... ... ... | 1 |
| (14) Discharge from abscess ... ... ... | 3 |
| (15) Discharge from sinus ... ... ... | 2 |

## II.—Bacteriology.—(*Contd.*)

| | |
|---|---|
| (16) Discharge from ulcer | 2 |
| (17) Conjunctival discharge | 1 |
| (18) Bronchoscopic aspiration | 1 |
| (*vi*) Examination for the Presence of Micro-organisms smears (Miscroscopy)— | |
| (1) Swab from ulcer | 6 |
| (2) Vulval swab | 4 |
| (3) Nasal scraping | 9 |
| (4) Splinic puncture | 4 |
| (4) Sputum for fungus | 3 |
| (6) Vaginal swab | 15 |
| (7) Urethral smears | 31 |
| (8) Cervical smears | 28 |
| (9) Pus | 46 |
| (10) Smear for L. D. Bodies | 8 |
| (11) Gastric contents | 3 |
| (*vii*) Preparation of Autovaccine | 13 |

## III.—Biological

| | |
|---|---|
| Casoni's test | 2 |

## IV.—Biochemical..

(I) Urine—

| | |
|---|---|
| (*a*) Determination of diastase Index | 21 |
| (*b*) Creatinine | 11 |
| (*c*) Creatine | 11 |
| (*d*) Calcium | 13 |
| (*e*) Chlorides | 9 |
| (*f*) Diazo reaction | 2 |
| (*g*) Phosphatase | 3 |
| (*h*) Kepler's Test | 1 |
| (*i*) Uric Acid | 1 |

(*ii*) Blood—

(I) Determination of chemical-constituents—

| | |
|---|---|
| (*a*) Total proteins | 356 |
| (*b*) Ascorbic Acid | 13 |
| (*c*) Albumin | 327 |
| (*d*) Globulin | 327 |
| (*e*) Fibrinogen | 1 |
| (*f*) Non-protein Nitrogen | 200 |
| (*g*) Urea Nitrogen | 337 |
| (*h*) Glucose (fasting level) | 68 |
| (*i*) Calcium | 47 |
| (*j*) Sodium | 24 |
| (*k*) Potassium | 18 |
| (*l*) Iron | 64 |
| (*m*) Cholesterol | 117 |
| (*n*) Inorganic phosphorus | 122 |
| (*o*) Chlorides | 14 |
| (*p*) Creatinine | |
| (*q*) Creatine | 1 |
| (*r*) Cholesterol Ester Ratio | 1 |
| (*s*) Bilirubin | 3 |

## IV.—Biochemical.—(*Contd.*)

(2) Other Tests—

| | | | | | |
|---|---|---|---|---|---|
| (*a*) Determination of Icteric Index | ... | ... | ... | ... | 176 |
| (*b*) Determination of Van Den Bergh | ... | ... | ... | ... | 176 |
| (*c*) Insulin Test | ... | ... | ... | ... | 1 |
| (*b*) Blood Sugar tolerance curve | ... | ... | ... | ... | 53 |
| (*d*) Urea clearance test ... | ... | ... | ... | ... | 44 |
| (*e*) Urea Concentration ... | ... | ... | ... | — | 118 |
| (*f*) Takata-Ara test ... | ... | ... | ... | — | 158 |
| (*k*) Thymol turbidity ... | ... | ... | ... | — | 229 |
| (*g*) Serum diastase ... | ... | ... | ... | — | 19 |
| (*h*) Prothrombin time ... | ... | ... | ... | — | 203 |
| (*i*) Phosphatase (alkaline) ... | ... | ... | ... | — | 108 |
| (*j*) Phosphatase (acid) ... | ... | ... | — | — | 38 |
| (*m*) Cephalin Cholesterol flocculation | ... | ... | — | — | 81 |
| (*n*) Uric acid ... | ... | ... | — | ... | 4 |
| (*o*) Kepler's test ... | ... | ... | — | ... | 1 |
| (*p*) Bromsulphalein test ... | ... | ... | — | ... | 1 |
| (*q*) Aldehyde Text ... | ... | ... | — | ... | 43 |

(3) Cerebrosphinal fluid determination of chemical constituents—

| | | | | |
|---|---|---|---|---|
| (*a*) Chlorides ... | ... | ... | — | 500 |
| (*b*) Sugar ... | ... | ... | — | 260 |

(4) Analysis of gastric contents ... ... ... — .. 633
(Fraction Method)

(5) Stool (fat) Estimation ... ... — — ... 9

### Autopsy Section.

123 autopsis were performed during the year 1952.

Laboratory Investigations carried out for the N. H. Dental College are included in this statement.

# BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL

## Poor Patients' Fund

*Poor Patients Fund Statement of Accounts for the year 1952-53*

| Receipts. | Rs. | a. | p. | Disbursements. | Rs. | a. | p. |
|---|---|---|---|---|---|---|---|
| To Balance in hand on 31-3-1952 ... ... | 1,187 | 3 | 6 | By Blood transfusion charges ... | 4,604 | 0 | 0 |
| ,, Balance with the Central Bank of India ... | 24,385 | 1 | 0 | ,, Supply of Costly Medicines, Injections etc., | 541 | 14 | 6 |
| ,, National Saving Certificates ... | 30,000 | 0 | 0 | ,, Moiety amount to Resident Medical Officer. | 1,274 | 0 | 0 |
| ,, Collection from outdoor and ward Boxes ... | 10,511 | 7 | 9 | ,, Establishment Cearges ... ... | 296 | 15 | 0 |
| ,, Donations ... ... ... | 2,385 | 0 | 0 | ,, Travelling Charges ... ... | 7 | 2 | 0 |
| ,, Interest—Allowed by the Bank on Current Account. | 69 | 11 | 0 | ,, Miscellaneous expenses ... ... | 1,318 | 4 | 6 |
| ,, Contribution towards blood transfusions etc. | 1,500 | 0 | 0 | ,, Cash in hand on 31-3-1953 ... ... | 30 | 8 | 6 |
| ,, Collection on account of Medical Certificates. | 2,559 | 0 | 0 | ,, Cash with the Central Bank of India on 31-3-1953 | 35,392 | 12 | 0 |
| ,, Miscellaneous Receipts ... | 868 | 1 | 3 | ,, National Savings Certificates ... | 30,000 | 0 | 0 |
| Total ... | 73,465 | 8 | 6 | Total ... | 73,465 | 8 | 6 |

*Balance Sheet of the Nair Hospital Poor Patients' Fund*

| Liabilities. | Rs. | a. | p. | Assets. | Rs. | a. | p. |
|---|---|---|---|---|---|---|---|
| Fund account Balance on 31-3-1952. ... | 25,572 | 4 | 6 | Balances in hand ... | 30 | 8 | 6 |
| National Saving Certificates ... | 30,000 | 0 | 0 | Balance with the Bank ... | 35,392 | 12 | 0 |
| Add—Excess of receipts Expenditure ... | 9,851 | 0 | 0 | National Saving Certificates ... | 30,000 | 0 | 0 |
| Total ... | 65,423 | 4 | 6 | Total ... | 65,423 | 4 | 6 |

# THE NAIR HOSPITAL DENTAL COLLEGE
# BOMBAY 8

Dr. V. M. Desai, D.D.S., F.D.S.R.C.S. (Eng. & Edin)., F.I.C.D., F.A.I.D., was in charge of the College as the Dean throughout the year. There were 7 Dental Surgeons with foreign qualifications, 12 Medical Lecturers, 8 Medical Demonstrators, 37 Dental Lecturers, Demonstrators and Clinical Assistants, one Physical Instructor, and one Artist on the staff who were all part-time, having private practice. A list of teaching staff is appended hereto.

The College conducts a 4 years' course in Dentistry on the passing of which the College Dental Board awards the Diploma of L.D.Sc. (Bombay).

During the year under report there were 123 students including 21 ladies on the roll. The Diploma Examination was held in May and October 1952 and 20 students including 5 ladies who appeared for the examination passed and received the College Diplomas.

The admission standard for the students is Inter-Science (B Group) Examination of the Bombay University or an examination equivalent to it and the course extends over 4 years. The College Diploma is recognised by the Government of Bombay, the Government of India, the Dental Colleges in U.S.A., the Royal College of Surgeons, United Kingdom and other foreign Universities. The Licentiates of the College are eligible to appear for the L. D. S. Examination of the Royal College of Surgeons, England and Edinburgh after putting in only 6 months' practice in any recognised Dental Hospital in England. They are eligible for permanent commissions in the Indian Army, Navy and Air Dental Corps. All types of Dental treatment such as Silver, Gold and cement fillings, Artificial sets of teeth, Regulation of teeth of Children, etc., are done at a nominal cost. Curative treatment such as extractions, dressings, pyorrhoea treatment, consultations, etc., were done free. The College has an Academic Council to look after the Academic affairs of the College. There is also an Advisory Board which conducts Final L.D.Sc. Diploma Examination and advises the Dean and the Municipal Commissioner in the policy to be followed by the College and in matters of administration referred to them by the Dean, or the Municipal Commissioner.

The College had 59 Dental Chairs, 18 Dental Units, 1 Dental X-Ray machine and other equipment to give dental treatment on most modern lines in its new building.

During the year under report, the following prominent persons visited the College.

(1) Shri Girja Shankar Bajpai, Governor of Bombay.
(2) Shri Morarji R. Desai, Chief Minister, Bombay State.
(3) Shri Shantilal H. Shah, Minister for Labour and Public Health, Bombay State.
(4) Shri N. J. Wadia, Vice-Chancellor, University of Bombay.
(5) Col. J. N. Duggan, K.B.E., C.I.E., L.A.M.C., D.O., F.C.P.S., L.M.&S.

The College Students' Annual Social Gathering was held in the St. Xavier's School Hall which was presided over by Shri P. R. Nayak, I.C.S., Municipal Commissioner for Greater Bombay, and prizes were distributed to the winners in the Annual Sports by him.

### Students on the Roll

| Class. | | Males | Females | Total |
|---|---|---|---|---|
| 1st L.D.Sc. Year | ... | 42 | 8 | 50 |
| 2nd L.D.Sc. Year | ... | 16 | 3 | 19 |
| 3rd L.D.Sc. Year | ... | 25 | 3 | 28 |
| Final L.D.Sc. Year | ... | 19 | 7 | 26 |
| | Total ... | 102 | 21 | 123 |

### Resume of work done in the Clinics

During the year under report, evening clinics were started from 16th June 1952. The total number of patients treated was 51,247 (both in the morning and evening clinics) which included males 32,293, females 12,525 and children 6,429.

### Work done in the Clinics

| | | | | | |
|---|---|---|---|---|---|
| Full denture sets | ... | 272 | Root canal treatment | ... | 83 |
| Partial sets | ... | 233 | Consultations and advice | ... | 5,262 |
| Repairs of sets | ... | 50 | Medications | ... | 457 |
| Gold Bridges and Inlay | ... | 26 | Electric Treatment | ... | 2 |
| Acrylic Crowns | ... | 28 | Extractions under Local Anaesthesia | ... | 19,896 |
| Silver fillings | ... | 1,264 | Extractions under General Anaesthesia | ... | 1,807 |
| Porcelain fillings | ... | 129 | Surgical extractions of roots | ... | 2,506 |
| Temporary fillings | ... | 123 | Abscess treatment | ... | 118 |
| Zinc Oxide fillings | ... | 1,575 | Alveolectomy | ... | 87 |
| Cement fillings | ... | 22 | Surgical removals of impacted teeth | ... | 43 |
| Prophylaxis and Pyorrhoea | ... | 4,160 | Orthodontia treatment regulations of teeth of children | ... | 190 |
| Dressings | ... | 446 | | | |
| Dental X-Ray | ... | 1,369 | | | |
| Gingivactomy | ... | 132 | | | |

### Operations performed in the Oral and Plastic Surgery Department

| | | | | | |
|---|---|---|---|---|---|
| Depressed nose | ... | 4 | Osteomyelitis | ... | 1 |
| Alveolar Abscess | ... | 2 | Harelip | ... | 1 |
| Cut nose | ... | 4 | Canerum Oris | ... | 1 |
| Dental Cyst | ... | 1 | Burn Contractures | ... | 1 |
| Carcinoma of the cheek | ... | 2 | Ear | ... | 1 |
| Oral Tumors | ... | 4 | | | |

During the year under report, a total revenue of Rs. 63,015 was collecteed by way of fees from students and patients as against Rs. 48,133 during the preceding year. The total expenditure incurred came to Rs. 1,51,170 as against Rs. 1,40,379 during the preceding year.

### The N. H. Dental College Poor Box Fund

During the year under report, 53 sets of upper and lower artificial teeth, 26 partial sets of teeth, repairs of 2 sets of teeth, charges for one blood transfusion, 700 vitamin injections and 6,000 sulpha tablets were given to poor deserving patients from the fund.

### Statement of Account for the year 1952-53

| Receipts | Rs. | a. | p. | Disbursements | Rs. | a. | p. |
|---|---|---|---|---|---|---|---|
| Balance in hand on 31-3-1952 ... | 1,235 | 1 | 3 | By supply of costly medicines and injections ... | 3,698 | 13 | 6 |
| Balance in Central Bank of India Ltd. ... | 180 | 12 | 6 | ,, supply of Equipmnet to the College | 171 | 0 | 6 |
| Charity Box collections of the various Departments during the year ... | 5,371 | 10 | 10 | ,, supply of X-Ray films solutions etc. ... | 1,485 | 10 | 9 |
| Donations ... | 4 | 0 | 0 | ,, Printing and stationery ... | 1 | 8 | 0 |
| Store article sales to N. H. Dental College students ... | 22 | 8 | 0 | Establishment charges ... | 122 | 0 | 0 |
| | | | | Cash in hand ... | 71 | 14 | 10 |
| | | | | Cash in Central Bank of India Ltd. | 1,263 | 1 | 0 |
| Total ... | 6,814 | 0 | 7 | | 6,814 | 0 | 7 |

### Balance Sheet of the Nair Hospital Dental College Poor Box Fund

| Liabilities. | Rs. | a. | p. | Assets. | Rs. | a. | p. |
|---|---|---|---|---|---|---|---|
| Fund Account balance on 31-3-1952 | 1,415 | 13 | 9 | Balance in hand ... | 71 | 14 | 10 |
| *Less*—Excess of expenditure over income ... | 80 | 13 | 11 | Balance in Central Bank of India Ltd. ... | 1,263 | 1 | 0 |
| Total ... | 1,334 | 15 | 10 | | 1,334 | 15 | 10 |

### List of teaching staff

(1) Dr. V. M. Desai, D.D.S., F.D.S.R.C.S. (Eng. and Edin)., F.I.C.D., F.A.I.D., Dean, Nair Hospital Dental College.

#### Prosthetic and Crown and Bridge Department

(1) Dr. F. S. Mehta, L.D.Sc., D.M.D., Head of the Prosthetic and Crown and Bridge Departments, Professor in Dental Prosthesis and Evening Superintendent.
(2) Dr. C. B. Shroff, M.B., B.S., B.D.S., Lecturer and Demonstrator in Dental Prosthesis.
(3) Dr. H. H. Thakore, L.D.Sc., Lecturer and Demonstrator in Dental Prosthesis.
(4) Dr. H. V. Rau, L.D.Sc., D.R.D.V., Lecturer and Demonstrator in Crown and Bridge.
(5) Dr. B. Rebeiro, L.D.Sc., Demonstrator in Crown and Bridge.
(6) Dr. N. J. Vasawada, L.D.Sc., Demonstrator in Dental Prosthesis.
(7) Dr. (Kumari) R. J. Ezekiel, L.D.Sc., Clinical Assistant, Dental Prosthesis.
(8) Dr. (Kumari) M. A. Barretto, L.D.Sc., Demonstrator in Dental Prosthesis.
(9) Dr. N. B. Javle, L.D.Sc., Clinical Assistant in Dental Prosthesis.
(10) Dr. Y. S. Kasle, L.D.Sc., Demonstrator in Dental Prosthesis.
(11) Dr. B. S. Kapadia, L.D.Sc., Demonstrator in Crown and Bridge.
(12) Dr. A. Dourado, L.D.Sc., Clinical Assistant, Dental Prosthesis.
(13) Dr. G. C. Patel, L.D.Sc., Demonstrator in Crown and Bridge Laboratory.
(14) Dr. B. R. Hegde, L.D.Sc., Demonstrator in Prosthetic and Crown and Bridge Departemnt.

#### Operative Department

(1) Dr. V. M. Kher, L.D.Sc., D.D.S., L.D.S.R.C.S. (Eng.), Head of the Operative Department and Professor in Operative Dentistry, Preventive Principles in Dentistry, Practice Management, Pre-Clinical and Clinical Dentistry, Oral Medicine and Children's Dentistry.
(2) Dr. G. D. Patel, L.D.Sc., Lecturer in Oral Anatomy, Materials used in Dentistry and Demonstrator in Operative Dentistry.
(3) Dr. P. J. Pathare, L.D.Sc., Demonstrator in Operative Dentistry.
(4) Dr. S. A. Tellis, L.D.Sc., Demonstrator in Oral Anatomy.
(5) Dr. A. Oliver, L.D.Sc., Demonstrator in Oral Anatomy.
(6) Dr. (Kumari) J. Lawrence, L.D.Sc., Clinical Assistant in Operative Dentistry.
(7) Dr. (Kumari) M. A. R. Borges, L.D.Sc., Demonstrator in Operative Dentistry.
(8) Dr. P. H. Battiwalla, L.D.Sc., Demonstrator in Operative Laboratory.
(9) Dr. L. F. Cardoza, L.D.Sc., Demonstrator in Operative Laboratory.
(10) Dr. S. S. Sheth, L.D.Sc., Demonstrator in Operative Department.

#### Orthodontia Department

(1) Dr. H. D. Merchant, D.M.D., F.I.C.D., Head of the Orthodontia Department and Professor in Orthodontia.
(2) Dr. S. M. Munim, L.D.Sc., Clinical Assistant and Demonstrator in Orthodontia.
(3) Dr. J. M. D'Costa, L.D.Sc., Clinical Assistant in Orthodontia.
(4) Dr. (Kumari) R. R. Kamath, L.D.Sc., Clinical Assistant in Orthodontia.
(5) Dr. (Kumari) Dhun Contractor, L.D.Sc., Demonstrator in Orthodontia.
(6) Dr. P. M. Patel, L.D.Sc., Demonstrator in Orthodontia.

### Oral Surgery Department

(1) Dr. M. S. N. Ginwalla, L.D.Sc., D.D.S., M.S., F.I.C.D., Head of the Oral and Plastic Surgery Department and Professor in Oral Surgery.
(2) Dr. R. B. Raut, L.D.Sc., Lecturer in Exodontia and Local Anaesthesia and Clinical Assistant in Oral Surgery Department.
(3) Dr. J. H. Mehta, M.B., B.S., D.A., Lecturer in General Anaesthesia and General Anaesthetist to Oral Surgery Department.
(4) Dr. H. A. Soonawalla, L.D.Sc., Clinical Assistant in Oral Surgery Department.
(5) Dr. P. V. Diwanji, L.D.Sc., Demonstrator in Exodontia and Oral Surgery Department.
(6) Dr. V. B. X. Almeida, M.B.B.S., Demonstrator in General Anaesthesia.

### Periodontia Department

(1) Dr. (Smt.) T. M. S. N. Ginwalla, D.D.S., L.D.S., R.C.D.S., Head of the Periodontia Department and Professor in Periodontia.
(2) Dr. (Kumari) A. Panthaki, L.D.Sc., Clinical Assistant in Periodontia Department.
(3) Dr. S. B. Sathe, L.D.Sc., Demonstrator in Periodontia Department.

### Dental Pathology Department

(1) Dr. H. M. Dholakia, L.D.Sc., (Bom)., L.D.S.R.C.S. (Eng)., Professor in Dental Pathology, Lecturer in Oral Diagnosis Treatment Planning, Dental Physiology, Dental Histology, and Dental Bacteriology.
(2) Dr. J. M. Fonseca, L.D.Sc., Clinical Assistant, Department of Oral Diagnosis.
(3) Dr. Kali H. C. Kapadia, L.D.Sc., Demonstrator, Examination and Treatment Planning Department.

### General Surgery Department

(1) Dr. A. B. C. Noronha, M.S., Lecturer in General and Clinical Surgery.
(2) Dr. V. G. Daftary, M.S., Demonstrator in General Surgery.

### General Medicine Department

(1) Dr. S. C. Sheth, M.D., Lecturer in General and Clinical Medicine.
(2) Dr. V. N. Panse, M.D., Demonstrator in General Medicine.

### Materia Medica and Pharmacology

(1) Dr. U. K. Sheth, M.D., Lecturer in General and Dental Materia Medica Pharmacology and Dental Theurapeutics.
(2) Dr. K. H. Gharat, M.B.B.S., Demonstrator, Materia Medica and Pharmacology.

### General Pathology Department.

(1) Dr. L. Monteiro, M.D., Hon. Pathologist and Lecturer in General Pathology.
(2) Dr. N. A. Patkar, M.B.B.S., Demonstrator, General Pathology.

### Bacteriology Department

(1) Dr. K. Raman, M.D., Lecturer in General and Dental Bacteriology.
(2) Dr. S. M. Kamat, M.B.B.S., Demonstrator, General Bacteriology.

### Histology Department

(1) Dr. V. A. Rane, M.D., F.C.P.S., Lecturer in General and Dental Histology.
(2) Dr. F. V. Bafna, M.B.B.S., Demonstrator Histology and Physiology.

### Anatomy Department

(1) Dr. V. G. Kale, M.S., F.C.P.S., Lecturer in General and Special Anatomy.
(2) Dr. M. M. Tegihalli, M.B.B.S., Demonstrator, General and Special Anatomy.

### Radiology Department

(1) Dr. G. H. Nerurkar, M.B.B.S., D.M.R.E., Lecturer in General and Dental Radiology.
(2) Dr. (Smt.) P. M. Mantri, L.D.Sc., Demonstrator, Radiology.
(3) Dr. L. G. Shirwatkar, B.D.S., Demonstrator, Radiology Department.

### Physiology Department

(1) Dr. T. H. Rindani, Lecturer in General and Special Physiology. (On leave).
Dr. A. C. D. Monteiro, M.B.B.S., B.Sc., Acting Lecturer in General and Special Physiology *vice* Dr. T. H. Rindani, on leave.
(2) Dr. F. V. Bafna, M.B.B.S., Demonstrator—Physiology.

### Bio-chemistry and Metallurgy

(1) Prof. Narayan Rao, M.Sc., Lecturer in Bio-chemistry and Metallurgy.
(2) Dr. S. H. Sheth, M.B.B.S., Demonstrator, Bio-chemistry and Metallurgy.

### Jurisprudence, Ethics and Economics

(1) Dr. F. Noronha, M.B.B.S., M.R.C.S. (Eng.)., L.R.C.P. (Lond), D.P.H. (Lond)., Lecturer in Dental Jurisprudence, Ethics and Economics.

### Physical Instructor

(1) Shri N. N. Kajrolkar.

### Artist

(1) Shri W. D. Pachare.

### Professors "Emeritus"

(1) Dr. V. P. De'Sa, D.D.S., F.I.C.D., Professor of Operative Dentistry.
(2) Dr. D. J. D'Lima, L.D.S.R.C.S., Professor of Dental Pathology.

# Municipal General Hospital Sion, Bombay

Dr. S. V. Joglekar, M.S., F.C.P.S., was in charge of the hospital as Superintendent, during the year under report.

Capt. M. de Menezes, M.B.B.S. held the post of Assistant Medical Officer during the year under report

*Medical Staff.*

| | |
|---|---|
| (1) Dr. D. D. Vora, M.D., F.C.P.S. (Bombay), M.R.C.P. (London) | ... Physician. |
| (2) Dr. S. H. Chitnis, M.S. (Bombay) | ... Surgeon. |
| (3) Dr. B. V. Aroskar, M.D. (Bombay) | ... Obstetrician and Gynaecologist. |
| (4) Dr. M. V. Sant, M.D., F.C.P.S. (Bombay) | ... Pathologist. |
| (5) Dr. G. B. Hanji, M.B.B.S., D.A. | ... Anaesthetist. |
| (6) Dr. G. H. Nerurkar, M.B.B.S., D.M.R., D.M.R.E. | ... Honorary Radiologist. |

*Acting Arrangements.*

Dr. D. D. Vora, Physician, was on leave from 21st January 1953, to 20th February 1953 and during that period Dr. H. C. Merchant, M.D. looked after his work.

*2.—Distribution of beds according to classification of departments.*

Schedule Strength of Beds—300.

*Non Paying Beds.*

| Department. | Male. | Female. | Children. | Total. |
|---|---|---|---|---|
| Medical ... | 50 | 50 | 13 | 113. |
| Surgical ... | 50 | 25 | 12 | 87. |
| Gynaecological and Maternity ... | ... | 50 | ... | 50. |
| Total ... | 100 | 125 | 25 | 250. |

*Paying Beds.*

| Department. | Male. | Female. | Children. | Total. |
|---|---|---|---|---|
| Medical and Surgical ... | 25 | 12 | ... | 37. |
| Gynaecological and Maternity ... | ... | 13 | ... | 13 |
| Total ... | 25 | 25 | ... | 50. |

| | |
|---|---|
| Non-Paying Beds ... | 250 |
| Paying Beds ... | 50 |
| Total ... | 300 |

3. *Casualty Department.*—10,560 accident and other emergency cases were treated in the Casualty Department during the year under report.

4. *Minor Surgery Department.*—3,037 Minor operations were performed in the Minor Surgery Department.

5. The Total number of patients admitted during the year was 12,002 against 9,426 and 8,085 during the year 1951 and 1950 respectively.

6. The attached statistical tables show the attendance etc., as well as the number and nature of operations performed in the various departments of the hospital.

7. *Summary of the In and Out-Patients Department.*

| A.—In-patients. | 1950 | 1951 | 1952 |
|---|---|---|---|
| (1) Strength of Beds ... | 300 | 300 | 300 |
| (2) Daily average number of in-patients ... | 295 | 291 | 339 |
| (3) Total number of new in-patients treated ... | 8,085 | 9,426 | 12,002 |
| (4) Average number of days each patient was resident ... | 13.01 days | 12.6 days | 10.3 days |
| ***B.—Out-Patients.*** | | | |
| (1) Total number of New Out-Patients ... | 45,337 | 51,431 | 62,195 |
| (2) Daily average number of New Out-Patients ... | 126 | 164.3 | 212.7 |
| (3) Total number of Old Out-Patients ... | 1,65,418 | 1,98,572 | 2,55,000 |
| (4) Daily average number of Old Out-Patients ... | 495.5 | 634.4 | 825.2 |
| ***C.—Operations.*** | | | |
| (1) Total number of Operations performed on in-patients ... | 1,835 | 2,139 | 2,641 |
| (2) Total number of operations performed on Out-Patients ... | 1,501 | 2,348 | 3,220 |

8. *Paying Patients.*—This scheme was given effect from 1st September 1951. The number of paying patients admitted during the year under report was as under :—

| | 1951 | 1952 |
|---|---|---|
| General Ward and Special Room ... | 390 | 921 |

The number of operations performed on the paying patients :—

| | | |
|---|---|---|
| (1) Major Operations ... | 60 | 119 |
| (2) Minor Operations ... | 69 | 177 |

9. Out of 12,301 in-patients treated during the year, 7,287 were treated for medical and surgical complaints and 5,014 were treated at the "Annapurnabai Deshmukh Hospital for Women" for deliveries and Gynaec complaints. The results are as follows :—

| | Cured | Relieved | Otherwise | Delivered | Left before delivery | Died | Remaining on 31-12-52 |
|---|---|---|---|---|---|---|---|
| Municipal General Hospital, Sion Medical and Surgical Departments. | 3,631 | 1,866 | 862 | ... | ... | 690 | 238 |
| Annapurnabai Deshmukh Hospital for Women—Gynaec and Maternity Departments. | 416 | 191 | 107 | 3,476 | 715 | 34 | 75 |
| Total ... | 4,047 | 2,057 | 969 | 3,476 | 715 | 724 | 313 |

Total 12,301 (12,002 New admissions and 299 previous year's balance).

In addition to 724 deaths amongst adults mentioned above, there were 326 deaths due to prematurity, still births and other causes amongst infants bringing the total death to 1,050.

Out of 1,050 deaths, 295 took place within 24 hours of admission 124, after 24 hours but within 3 days of admission, 326 deaths were due to still births, prematurity and other causes of infant mortality and the remaining 305 died after 3 days of admission into this hospital.

The highest number of total out-patients attendance on a single day was 1,940 and that of in-patients was 380.

## X-Ray Department.

10. The following work was done in the X-Ray Department of this Hospital during this year.

| | 1950 | 1951 | 1952 |
|---|---|---|---|
| (1) X-Rays ... ... ... ... | 2,311 | 3,438 | 3,686 |
| (2) Screenings ... ... ... ... | 8,386 | 10,294 | 15,385 |
| (3) Diathermy ... ... ... ... | 699 | 705 | 1,080 |
| (4) Ultra Violet Rays ... ... ... ... | 3,118 | 2,742 | 2,921 |
| (5) Barium Meals ... ... ... ... | 284 | 323 | 520 |
| (6) Barium Enemas ... ... ... ... | 137 | 161 | 227 |
| (7) Infra Red Rays ... ... ... ... | | | |

## Department of Electro Cardiography.

11. 250 Electro-Cardiographic Tracings were taken on in-patients as well as on Out-patients during year under report as per Appendix 11.

## Department of Pathology.

12. The Pathological and Bacteriological investigations were carried out in the Laboratory of this Hospital on 17,730 in-patients and on 9,794 out-patients as per Appendix 7 to 10.

## Research Department

13. Enquiry into the problem of anaemias and diabetes was undertaken.

| | |
|---|---|
| No. of patients investigated for Anaemia ... | 4,435 |
| No. of patients investigated for Diabetes ... | 404 |

## Department of Anaesthesia.

14. The Department of Anaesthesia is equipped with the most modern coxiters apparatus and other modern appliances required for any advanced technique of anaesthesia. Anaesthetist armamentorium is full of recent drugs.

The Department of Anaesthesia is working in close collaboration with the Department of Surgery Midwifery and Gynaecology.

During the year under report, the total number of cases who were administered anaesthesias during the operative procedures were 4,303, out of these 2,899 cases received regional anaesthesia. About 615 cases were operated under endotracheal anaesthesia; out of these 510 cases were intublated blindly and the remaining under direct vision. The total number of cases who were given intravenous anaesthesia were 187 and the remaining 602 cases were operated under general open drop technique.

The Hospital has a most up-to-date library having all the recent text books and other books on Anaesthesia and most of the journals on Anaesthesia and Analgesia.

## Poor Box Fund.

15. The amount in the Poor Box Fund as on 31st March 1952, stood at Rs. 35,337-8-6. Collections from the Poort Boxes, Donations, Sales of durgs and injections and other miscellaneous receipt during the year amounted to Rs. 57,823-10-3 and Expenditure to Rs. 37,641-8-0. The amount in the Poor Box Fund as on 31st March 1953 stood at Rs. 55,519-10-9.

A free donation of 4 sets of Blood Plasma per month continued to be received during the year from the Director, Haffkine Indtitute, Parel, Bombay 12.

## Nurses Training School in Midwifery.

16. Sixteen students were admitted for the course of training in Midwifery. Out of the 12 who appeared for the examination during the year under report 11 were deelared successful.

17. The expenditure on diet per in-patient during the year was Rs. 0-15-6 per day.

## Social Activities.

18. The 5th Anniversary of this Institution was celebrated on the 26th April 1952, when a Variety Entertainment Programme including Marathi drama was arranged by the staff of the hospital, Dr. T. R. Naravane M.L.A. presided over the function.

## Municipal General Hospital Sion—Works Committee.

19. During the year only one meeting of the Hospital Works Committee was held.

## INDEX OF APPENDIX


| Appendix No. | Particulars |
|---|---|
| 1 | Summary of in-patients admitted (classified according to the departments and Six). |
| 2 | Summary of out-patient—New and Old (Classified according to departments and Sex). |
| 3 | Summary of In-patients (Classified according to diseases and results of treatment). |
| 4 | Summary of the Operations performed (Classified according to the nature and results). |
| 5 | Summary of the In-patients treated in the "Annapurnabai Deshmukh Hospital for Women" (Classified according to the diseases and results). |
| 6 | Summary of Operations performed in the "Annapurnabai Deshmukh Hospital for Women" (Classified according to the nature and results). |
| 7 | Statement showing Pathology Investigations done on Out-Patients. |
| 8 | Statement showing Pathology Investigations done on In-patients. |
| 9 | Statement showing Biochemical Investigations done on In-patients. |
| 10 | Investigations done in the Anaemia Inquiry. |
| 11 | Statement showing Electro-Cardiographic Tracings. |
| 12 | Statement showing Accounts of the Poor Box Fund. |
| 12A | Balance Sheet of the Poor Box Fund. |

## APPENDIX No. 1.

*Summary of In-patients admitted during the year 1952 at the Municipal General Hospital, Sion classified according to Departments and Sex.*

| Department. | Sex. | | | Admitted during 1952. |
|---|---|---|---|---|
| Medical | ... Adults—Male | ... | 1,612 | |
| | —Female | ... | 972 | |
| | Children—Male | ... | 631 | |
| | —Female | ... | 461. | 3,676. |
| Surgical | ... Adults —Male | ... | 2,089. | |
| | —Female | ... | 723. | |
| | Children—Male | ... | 329. | |
| | —Female | ... | 247. | 3,388. |
| Gynaecology | ... Female —Adults | ... | 651. | |
| | Child | ... | 7. | 658 |
| Obstetrics | ... Female | ... | 4,280. | 4,280. |
| | | Total ... | | 12,002. |

## APPENDIX No. 2.

*Summary of Out-Patients classified according to Departments and the Sex for the year 1952.*

| Department. | | Sex. | | O.P.D. New Cases. | O.P.D. old cases. | Total. | Casualty Cases. |
|---|---|---|---|---|---|---|---|
| Medical | Adults ... | Male | ... | 13,094. | 42,982. | 56,076. | 927 |
| | | Female | | 7,870. | 29,251. | 37,121. | 41. |
| | Children- | Male | ... | 5,248. | 20,506. | 25,754. | 31. |
| | | Female | ... | 4,408. | 16,507. | 20,915. | 21. |
| | | | | 30,620. | 1,09,246. | 1,39,866. | 1,020. |
| Surgical | Adults ... | Male | ... | 12,338. | 46,093. | 58,431. | 5,114. |
| | | Female | ... | 3,614. | 21,830. | 55,444. | 1,482. |
| | Children- | Male | ... | 2,363. | 17,295. | 19,658. | 1,434. |
| | | | | 19,676. | 97,782. | 1,17,458. | 9,334. |
| Gynaecological | Adults ... | Female | ... | 3,445. | 13,640. | 17,085. | 2. |
| | Children- | Female | ... | 9. | ... | 9. | ... |
| | | | | 3,454. | 13,640. | 17,094. | 2. |
| Obstetrical | ... | Female | ... | 5,427. | 13,627. | 19,054. | 4. |
| E. N. T. | ... | Male | ... | 847. | 4,066. | 4,913. | |
| | | Female | ... | 527. | 3,461 | 3,988. | |
| | | Male-Children | ... | 388. | 2,553. | 2,941. | |
| | | Female-Children | ... | 358. | 2,041. | 2,399. | |
| | | | | 2,120. | 12,121. | 14,241. | |
| Opthalmic | Adults ... | Male | ... | 358. | 2,861. | 3,219. | |
| | | Female | ... | 232. | 2,359. | 2,691. | |
| | Children- | Male | ... | 145 | 1,754 | 1,899. | |
| | | Female | ... | 898 | 8,584 | 9,482. | |
| Grand Total | ... | ... | ... | 62,195. | 2,55,000. | 3,17,195. | 10,560. |

| | | |
|---|---|---|
| Daily average No. of New Patients | ... | 212.7. |
| Daily average No. of Old Patients | ... | 825.2. |
| Daily average attendance at the O.P.D. (New and Old). | | 1037.9. |

## APPENDIX No. 3.

Summary (according to diseases) of In-patients treated during the year 1952 at the Municipal General Hospital—Sion.

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *I.—Infective and Parasitic Diseases.* | | | | | | | | |
| Respiratory Tuberculosis | 1 | ... | 1 | ... | 1 | ... | ... | ... |
| Pulmonary Tuberculosis | 3 | 129 | 132 | 10 | 16 | 82 | 19 | 5 |
| Pleural Tuberculosis | ... | 18 | 18 | 6 | 6 | 3 | 3 | ... |
| Pleurisy specified as tuberculosis | 2 | 1 | 3 | 2 | ... | ... | ... | 1 |
| Pleurisy with effusion | 8 | 86 | 94 | 32 | 46 | 7 | 4 | 5 |
| Primary tuberculosis | ... | 20 | 20 | 3 | 9 | 5 | 2 | 1 |
| Tracheobronchial glandular tuberculosis | ... | 2 | 2 | 1 | ... | ... | ... | 1 |
| Other respiratory tuberculosis | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Tuberculosis, unspecified site | ... | 2 | 2 | ... | ... | 1 | 1 | ... |
| Tuberculosis of meninges and C. N. S. | 1 | 41 | 42 | 1 | 1 | 11 | 26 | 3 |
| ,, intestines, peritoneum and mesenteric glands. | 9 | 110 | 119 | 27 | 41 | 15 | 24 | 12 |
| ,, bones and joints | 2 | 12 | 14 | 3 | 7 | 3 | 1 | 1 |
| ,, of vertebral column | ... | 9 | 9 | 1 | 7 | 1 | ... | ... |
| ,, of hip | ... | 4 | 4 | 1 | 2 | ... | ... | 1 |
| ,, of knee | 1 | 1 | 2 | ... | ... | 1 | ... | 1 |
| ,, of other and unspecified bones and joints. | 1 | 20 | 21 | 6 | 6 | 9 | ... | 1 |
| Late effects of tuberculosis of bones and joints. | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Late effects of tuberculosis of knee | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Tuberculosis of lymphatic system | 2 | 33 | 35 | 13 | 16 | 5 | 1 | ... |
| ,, genito-urinary system | ... | 6 | 6 | 2 | 2 | ... | ... | 2 |
| ,, adrenal glands | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Tuberculosis of other organs | ... | 3 | 3 | 2 | ... | ... | ... | 1 |
| Other forms of disseminated tuberculosis | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| *Syphilis and its Sequele.* | | | | | | | | |
| Secondary syphilis | 2 | 7 | 9 | 5 | 2 | 1 | 1 | ... |
| Other cardiovascular syphilis | ... | 6 | 6 | 2 | 2 | ... | 1 | 1 |
| General paralysis of insane | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Other syphilis of C. N. S. | ... | 5 | 5 | 1 | 2 | 1 | 1 | ... |
| Other forms of late syphilis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Gonococcal infection and other venereal diseases.* | | | | | | | | |
| Acute or unspecified gonorrhoea | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Gonococcal infection of joints | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Chancroid | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| Lymphogranuloma venereum | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Infectious diseases commonly arising in intestinal tract.* | | | | | | | | |
| Typhoid fever | 3 | 75 | 78 | 44 | 12 | 12 | 7 | 3 |
| Paratyphoid fever | 1 | 9 | 10 | 8 | 1 | 1 | ... | ... |
| Cholera | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Bacillary dysentery | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| Amoaebiasiss | 1 | 42 | 43 | 6 | 12 | 13 | 10 | 2 |
| Amoaebiasis with liver absces | ... | 10 | 10 | 3 | 5 | 1 | ... | 1 |
| Unspecified forms of dysentery | 1 | 61 | 62 | 41 | 9 | 1 | 11 | ... |
| Food Poisoning | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Food Unspecified | ... | 34 | 34 | 28 | 6 | ... | ... | ... |
| *Other Bacterial Diseases.* | | | | | | | | |
| Scarlet fever | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Streptococcal sore throat | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Septicaemia and pyaemia | ... | 274 | 274 | 245 | 15 | 10 | ... | 4 |
| Pneumococcus | ... | 6 | 6 | 5 | 1 | ... | ... | ... |
| Organism unspecified | ... | 13 | 13 | 8 | 2 | ... | 3 | ... |
| Diphtheria | ... | 5 | 5 | ... | ... | 5 | ... | ... |
| Whooping Cough | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Meningococcal meningitis | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Plague | ... | 2 | 2 | ... | ... | 1 | 1 | ... |
| Neuroleprosy | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Unspecified | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Tetanus | 1 | 69 | 70 | 28 | 5 | 7 | 26 | 4 |
| Anthrax | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Gas Gangrene | ... | 16 | 16 | 15 | ... | ... | ... | 1 |
| *Diseases attributable to viruses* | | | | | | | | |
| Acute poliomyelitis | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Specified as bulbar or polio-encephalitis | ... | 3 | 3 | ... | ... | 1 | 2 | ... |
| Specified with other paralysis | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Acute infectious encephalitis | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Smallpox | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Measles | ... | 7 | 7 | ... | 2 | 4 | 1 | ... |
| Chickenpox | ... | 3 | 3 | 1 | 1 | 1 | ... | ... |
| Herpes Zoster | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Yellow fever | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Infectious hepatis | ... | 38 | 38 | 8 | 18 | 6 | 5 | 1 |
| Glandular fever | ... | 1 | 1 | ... | 1 | ... | ... | ... |

| Name of the Diseases | In-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Typhus and other Rickettsial diseases* | | | | | | | | |
| Louse borne epidemic typhus | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Tabardillo not specified as louse or flea borne | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Malaria* | | | | | | | | |
| Malaria—Vivax | 1 | 68 | 69 | 35 | 26 | 7 | 1 | ... |
| Malaria—other and unspecified forms | ... | 14 | 14 | 4 | 1 | 6 | 3 | ... |
| *Other infective and parasitic diseases.* | | | | | | | | |
| Leishmaniasis | 1 | 4 | 5 | 2 | 3 | ... | ... | ... |
| Kala-Azar | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Hydatid disease | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Fialariasis | 1 | 12 | 13 | 8 | 4 | ... | ... | 1 |
| Ankulostomiasis | ... | 5 | 5 | 1 | 2 | 2 | ... | ... |
| Infestation with worms of other type | ... | 60 | 60 | 19 | 35 | 6 | ... | ... |
| Other | ... | 17 | 17 | 8 | 9 | ... | ... | ... |
| Dermatophytosis | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Actinomycosis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Coccidiodomycosis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other fungus infections | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Scabies | ... | 1 | 1 | ... | ... | ... | ... | 1 |
| Other infective and parasitic diseas | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| **II.—Neoplasms** | | | | | | | | |
| Malignant neoplasm of salivary gland | ... | 7 | 7 | 2 | 5 | ... | ... | ... |
| ,, other parts of mouth | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, pharynx, unspecified | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, oesophagus | ... | 4 | 4 | ... | 1 | 1 | 2 | ... |
| ,, stomach | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| ,, large intestine, except rectum. | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| ,, liver | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| ,, pancreas | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| ,, breast | ... | 6 | 6 | 4 | 1 | ... | 1 | ... |
| ,, cervix uteri | 1 | 7 | 8 | 2 | 1 | 3 | 2 | ... |
| ,, other parts of uterus | ... | 7 | 7 | 2 | 3 | 1 | 1 | ... |
| ,, ovary, Fallopian tube etc. | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, prostate | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, testis | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, of other and unspecified male genital organs. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| ,, kindney | 1 | ... | 1 | ... | ... | 1 | ... | ... |
| ,, skin | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| ,, eye | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| ,, other endocrine glands. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| ,, bone (including jaw bone). | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| ,, connectivetissue | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |
| ,, lymph nodes—Secondary. | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| ,, other and unspecified sites. | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Lymphosarcoma and reticulosareoma | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other primary malignant neoplasms of lymphoid tissue. | ... | 1 | 1 | ... | ... | ... | ... | ... |
| Hodgkin's diseases | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Multiple mycloma | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Myelcid leukoemia | ... | 3 | 3 | ... | ... | 1 | 1 | 1 |
| Mycosis fungoides | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| Benign neoplasm of other parts of diagestive system. | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Beningn neolpalsm of breast | ... | 7 | 7 | 6 | 1 | ... | ... | ... |
| Uterine fibromyoma | 1 | 5 | 6 | 6 | ... | ... | ... | ... |
| Other bening neopalsm of uterus | ... | 4 | 4 | 3 | ... | ... | 1 | ... |
| Beningn neoplasm of male genital organs | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Benign neoplasm of skin | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Pilonidal cyst | ... | 1 | 1 | ... | ... | ... | ... | 1 |
| Other beningn neoplasm of skin | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Bening neoplasm of brain and other parts of nervous system. | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |
| Benign neoplasm of bone and cartilage | ... | 4 | 4 | 2 | 1 | ... | 1 | ... |
| Lipoma | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Other benign neoplasm of muscular and connectivetissue. | ... | 5 | 5 | 4 | ... | 1 | ... | ... |
| aemangioma and lymphangicma | ... | 3 | 3 | 1 | 1 | 1 | ... | ... |
| eoplasm of unspecified nature of digestive Organs | ... | 3 | 3 | 1 | 1 | ... | 1 | ... |
| ,, respiratory organs. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| ,, genito urinary organs. | 1 | ... | 1 | ... | ... | 1 | ... | ... |
| ,, brain and other part of nervous system. | ... | 5 | 5 | 1 | 1 | 3 | ... | ... |
| ,, skind& musculo skeetal system. | 1 | ... | 1 | ... | ... | 1 | ... | ... |
| ,, other and unspecified organs. | ... | 7 | 7 | 3 | 2 | 2 | ... | ... |

| Name of the Diseases | IN-PATIENTS. Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| **III.—Allergic, Endocrine System, Metabolic and Nutritional Diseaes.** | | | | | | | | |
| Hay fever | ... | 7 | 7 | 1 | 2 | 3 | 1 | ... |
| Asthma | 2 | 45 | 47 | 9 | 32 | 2 | 4 | ... |
| Angioneurotic oedema | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Urticaria | ... | 5 | 5 | 1 | 4 | ... | ... | ... |
| Other allergic disorders | 1 | 14 | 15 | 2 | 11 | 2 | ... | ... |
| *Diseases of Thyroid Gland.* | | | | | | | | |
| Simple goitre | ... | 5 | 5 | 3 | ... | 2 | ... | ... |
| Nontoxic nodular goitre | ... | 6 | 6 | 3 | 2 | 1 | ... | ... |
| Thyrotoxicosis with or without goitre | 1 | 6 | 7 | 1 | 4 | 1 | ... | 1 |
| Myxoedema and cretinism | ... | 5 | 5 | 3 | ... | 2 | ... | ... |
| Other diseases of thyroid gland | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Diabetes Mellitus.* | | | | | | | | |
| Diabetes mellitus | 2 | 32 | 34 | 2 | 11 | 16 | 2 | 3 |
| Diseases of adrenal glands | 1 | 1 | 2 | 1 | ... | 1 | ... | ... |
| Pellagra | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Scurvy | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Active rickets | ... | 3 | 3 | ... | 2 | 1 | ... | ... |
| Osteomalacia | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Steatorrhoea and sprue | ... | 8 | 8 | ... | 6 | 2 | ... | ... |
| Vitamin A Deficiency | ... | 8 | 8 | 1 | 2 | 5 | ... | ... |
| Malnutrition, unqualified | ... | 32 | 32 | 3 | 14 | 3 | 11 | 1 |
| Other and multiple deficiency statues | ... | 82 | 91 | 8 | 46 | 10 | 16 | 11 |
| Obesity, not specified as of endocrine origin | 9 | 1 | 1 | ... | 1 | ... | ... | ... |
| Gout | ... | 3 | 3 | ... | 1 | 1 | ... | 1 |
| Other metabolic diseases | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Other | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| **IV.—Diseases of the Blood and Blood-Forming Organs.** | | | | | | | | |
| Pernicious and other hyperchromic anaemias | 2 | 5 | 7 | 2 | 2 | 2 | 1 | ... |
| Subacute combined degeneration of spinal coard. | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Other hyperchromic anaemias | ... | 8 | 8 | 2 | 2 | 2 | 2 | ... |
| Iron deficiency anaemias | ... | 25 | 25 | 11 | 4 | 6 | ... | 4 |
| Other anaemias of specified type | ... | 3 | 3 | ... | ... | 1 | 1 | 1 |
| Anaemia of unspecified type | 26 | 131 | 157 | 65 | 59 | 12 | 16 | 5 |
| Purpura and other haemorrahgic conditions | 1 | 3 | 4 | 1 | 1 | 2 | ... | ... |
| Agranulocytosis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Diseases of Spleen | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Other diseases of blood and blood forming organs. | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| **V.—Mental, Psychoneurotic and personality disorders.** | | | | | | | | |
| Involutional melancholia | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Psychosis with cerebral arteriosclerosis | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Alcoholic psychosis | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Other and unspecified psychoses | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Psychoneurotic Disorders* | | | | | | | | |
| Anxiety reaction without mention of somatic symptoms. | 1 | 3 | 4 | ... | 3 | ... | ... | 1 |
| Hysterical reaction without mention of anxiety reaction. | ... | 9 | 9 | 3 | 2 | 4 | ... | ... |
| Phobic reaction | 1 | 1 | 2 | 1 | 1 | ... | ... | ... |
| Psychoneurosis with somatic symptoms affecting digestive system. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Hypochondriacal reaction | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Of other and unspecified types | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Disorders of Character, behavious and intelligence* | | | | | | | | |
| Alcoholism | ... | 5 | 5 | 1 | 3 | 1 | ... | ... |
| Unspecified | ... | 48 | 48 | 16 | 18 | 14 | ... | ... |
| **VI.—Diseases of the Nervous system and Sense Organs** | | | | | | | | |
| Meningeal haemorrhage | ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| Appoplexy, haemorrhagic (stroke) | ... | 2 | 2 | ... | ... | ... | 2 | ... |
| Cerebral embolism and thrombosis | ... | 68 | 68 | 4 | 9 | 50 | 5 | ... |
| Other and ill-defined vascular lesions affecting central nervous system | ... | 6 | 6 | ... | 4 | ... | ... | 2 |
| Spasm of cerebral arteries | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Inflammatory diseases of Central Nervous System* | | | | | | | | |
| Meningitis, except meningococcal and tuberculous | ... | 6 | 6 | 2 | ... | ... | 4 | ... |
| Pneumococcus | ... | 4 | 4 | 1 | ... | ... | 3 | ... |
| Due to other specified organism | ... | 11 | 11 | 5 | 2 | ... | 3 | 1 |
| Unspecified cause | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Intracranial and intraspinal abscess | ... | 2 | 2 | ... | ... | 1 | 1 | ... |
| Encephalitis, meylitis and encephalomyelitis (Except acute infectious) | 1 | 7 | 8 | ... | 5 | ... | 3 | ... |
| Acute of childhood (cerebellar) | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Late effects of intranial abscess or pyogenic infection | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| Multiple sclerosis | ... | 1 | 1 | ... | ... | 1 | ... | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Other Diseases of Central Nervous System* | | | | | | | | |
| Paralysis agitans ... | 2 | 1 | 3 | ... | ... | 2 | 1 | ... |
| Other cerebral paralysis ... | 1 | 13 | 14 | ... | 5 | 7 | 2 | ... |
| Status epilepticus ... | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Other and unspecified ... | ... | 3 | 3 | ... | 1 | 2 | ... | ... |
| Other diseases of brain ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Progressive muscular atrophy ... | 1 | 2 | 3 | ... | 1 | 2 | ... | ... |
| Amyotrophic lateral sclerosis ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Other diseases of spinal cord ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| *Diseases of Nerves and Peripheral Ganglia* | | | | | | | | |
| Facial paralysis ... | 1 | 1 | 2 | ... | ... | 2 | ... | ... |
| Trigeminal neuralgia ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Sciatica ... | ... | 6 | 6 | 4 | ... | 2 | ... | ... |
| Other and unspecified forms of neuralgia and neuritis ... | ... | 5 | 5 | ... | 4 | 1 | ... | ... |
| Other diseases of peipheral nerves except autonomic ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| *Inflammatory diseases of Eye* | | | | | | | | |
| Hordeolum (stye) ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Other Diseases and Conditions of Eye* | | | | | | | | |
| Detachment of retina ... | 2 | ... | 2 | ... | 1 | ... | 1 | ... |
| Other diseases of eye ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Diseases of Ear and Mastoid Process* | | | | | | | | |
| Unspecified ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Meriere's disease ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Other deafness ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| **VII.—Diseases of the Circulatory system** | | | | | | | | |
| Rheumatic fever without mention of heart involvement ... | ... | 3 | 3 | ... | 2 | 1 | ... | ... |
| Active rheumatic pericarditis ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Without mention of heart involvement ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Chronic Rheumatic Heart Diseases* | | | | | | | | |
| Diseases of mitral valve ... | 1 | 57 | 58 | 5 | 42 | 3 | 7 | 1 |
| Diseases of aortic valve specified as reheumatic | 1 | 1 | 2 | 1 | ... | ... | 1 | ... |
| *Arteriosclerotic and Degenerative Heart Disease* | | | | | | | | |
| Arteriosclerotic heart disease, including coronary disease ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Arteriosclerotic heart disease so described... | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Heart disease specified as involving coronary Arteries ... | 1 | 11 | 12 | 4 | 1 | ... | 6 | 1 |
| Angina pectoris without mention of coronary disease ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Of mitral valve, specified as nonrheumatic ... | ... | 4 | 4 | ... | 3 | ... | 1 | ... |
| Of tricuspid valve, specified as nonrheumatic. | ... | 2 | 2 | ... | ... | ... | 2 | ... |
| *Other Diseases of Heart* | | | | | | | | |
| Acute and subacute endocarditis ... | ... | 2 | 2 | ... | ... | 1 | ... | 1 |
| Acute myocarditis not specified as rheumatic. | ... | 8 | 8 | 2 | 4 | 2 | ... | ... |
| Acute pericarditis specified as nonrheumatic... | 1 | 1 | 2 | 1 | ... | 1 | ... | ... |
| Functional disease of heart ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Heart block ... | ... | 2 | 2 | ... | ... | 1 | ... | 1 |
| Other disorders of heart rhythm ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Other and unspecified diseases of heart ... | 1 | 3 | 4 | 1 | 1 | 2 | ... | ... |
| Congestive heart failure ... | 4 | 91 | 95 | 6 | 29 | 7 | 48 | 5 |
| Left ventricular failure ... | 1 | 5 | 6 | ... | 4 | ... | 2 | ... |
| Other and unspecified disease of heart ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Organic heart disease ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| *Hypertensive Disease* | | | | | | | | |
| Essential malignant hypertension with heart disease ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Other and unspecified hypertensive heart disease ... | ... | 5 | 5 | 1 | 2 | 2 | ... | ... |
| Essential benign hypertension without mention of heart ... | ... | 21 | 21 | ... | 13 | 3 | 4 | 1 |
| Other hypertensive disease without mention of heart ... | 1 | ... | 1 | ... | ... | 1 | ... | ... |
| *Disease of Arteries* | | | | | | | | |
| General arteriosclerosis ... | ... | ... | 2 | ... | 2 | ... | ... | ... |
| Without mention of gangrene ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Aortic aneurysm specified as nonsyphilitic, and dissecting aneurysm ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Peripheral vascular disease ... | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| Thrombo-angitis obliterans ... | 1 | 6 | 7 | 3 | 3 | ... | ... | 1 |
| Arterial embolism and thrombosis ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Gangrene of unspecified cause ... | 1 | 4 | 5 | 2 | 1 | ... | 2 | ... |

| Name of the Diseases | In-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Diseases of veins and other Diseases of circulatory system* | | | | | | | | |
| Vericose Veins of lower extremities ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Haemorrhoids ... | 2 | 83 | 85 | 62 | 20 | ... | ... | 3 |
| Varicose veins of other specified sites (other). | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Phlebitis and thrombophlebitis of lower extremities ... | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Other venous embolism and thrombosis ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Other and unspecified circulatory diseases ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Lymphadenitis, unqualified ... | ... | 12 | 12 | 7 | 3 | ... | 2 | ... |
| Noninfective diseases of lymphatic channels... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| **VIII.—Diseases of the Respiratory system** | | | | | | | | |
| Acute sinusitis ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Acute tonsilitis ... | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Lobar Pneumonia ... | 3 | 301 | 304 | 275 | 6 | 6 | 13 | 4 |
| Bronchopneumonia ... | 1 | 88 | 89 | 31 | 21 | ... | 36 | 1 |
| Primary atypical pneumonia ... | ... | 6 | 6 | 3 | 3 | ... | ... | ... |
| Pneumonia, other and unspecified ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Acute Bronchitis ... | ... | 16 | 16 | 9 | 6 | ... | ... | 1 |
| *Bronchitis* | | | | | | | | |
| Chronic bronchitis ... | 2 | 3 | 5 | 3 | 2 | ... | ... | ... |
| *Other diseases of Respiratory system* | | | | | | | | |
| Hypertrophy of tonsils and adenoides ... | ... | 281 | 281 | 265 | 6 | 6 | ... | 4 |
| Without mention of tonsillectomy or adenoidectomy ... | ... | 57 | 57 | 52 | 2 | 3 | ... | ... |
| Peritonsillar abscess (quinsy) ... | 2 | 3 | 5 | 5 | ... | ... | ... | ... |
| Chronic pharyngitis and nasopharyngitis ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Deflected nasal septum ... | ... | 3 | 3 | 1 | 1 | ... | ... | 1 |
| Nasal polyp ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Empyema ... | 4 | 9 | 13 | 7 | 3 | 1 | 1 | 1 |
| Pleurisy ... | ... | 19 | 19 | 8 | 10 | ... | ... | 1 |
| Without mention of effusion or tuberculosis... | 1 | 3 | 4 | 1 | 1 | 1 | ... | 1 |
| With effusion with mention of abacterial cause other than tuberculosis ... | ... | 9 | 9 | 4 | 4 | 1 | ... | ... |
| Other specified forms of effusion, except tuberculous ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Spontaneous pneumothorax ... | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Abscess of lung ... | ... | 9 | 9 | 3 | 4 | 2 | ... | ... |
| Pulmonary congestion and hypostasis ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Other specified pneumoconiosis and pulmonary fibrosis of occupational origin ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Other chronic interstitial pneumonia ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Bronchiectasis ... | 2 | 21 | 23 | 3 | 9 | 8 | 2 | 1 |
| Pulmonary collapse (1 year and over) ... | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Other ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| **IX.—Diseases of the Digestive system** | | | | | | | | |
| Dental caries ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| With periapical abscess ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Abscesses of supporting structures of teeth... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Periodntal (parietal) ... | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |
| Other and unspecified ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Gingivitis, except ulcerative ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Periodontitis (pyorrhoea, inflammatory) ... | ... | 2 | 2 | ... | 1 | ... | ... | 1 |
| Disorders of first dentition ... | ... | 5 | 5 | 1 | 3 | 1 | ... | ... |
| Impacted teeth ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Toothache from unspecified cause ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Stomatitis ... | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Diseases of salivary glands ... | ... | 3 | 3 | 1 | ... | 1 | 1 | ... |
| *Diseases of Stomach and Duodenum* | | | | | | | | |
| Ulcer of stomach ... | ... | 8 | 8 | 1 | 7 | ... | ... | ... |
| With perforation ... | 1 | 2 | 3 | 1 | 2 | ... | ... | ... |
| Ulcer of duodenum ... | ... | 22 | 22 | 5 | 15 | ... | 1 | 1 |
| Without mention of perforation ... | ... | 8 | 8 | ... | 5 | 1 | 2 | ... |
| With perforation ... | ... | 6 | 6 | 4 | 2 | ... | ... | ... |
| Gastro-Jejunal ulcer ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Gastritis and duodenitis ... | ... | 18 | 8 | 4 | 9 | 5 | ... | ... |
| Disorders of function of stomach ... | ... | 3 | 3 | 1 | 1 | 1 | ... | ... |
| Other diseases of stomach and duodenum ... | ... | 10 | 10 | 1 | 5 | 4 | ... | ... |
| *Appendicitis* | | | | | | | | |
| Acute appendicitis ... | 1 | 31 | 32 | 17 | 11 | 1 | 2 | 1 |
| Without mention of peritonitis ... | ... | 7 | 7 | 1 | 6 | ... | ... | ... |
| With peritonitis ... | ... | 11 | 1 | 10 | 1 | ... | ... | ... |
| Appendicitis, unqualified ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other appendicitis ... | ... | 44 | 44 | 39 | 3 | 1 | ... | 1 |
| Other diseases of appendix ... | ... | 4 | 4 | ... | 2 | 1 | ... | 1 |
| *Hernia of Abdominal Cavity* | | | | | | | | |
| Hernia of abdominal cavity without mention of obstruction ... | ... | 122 | 122 | 92 | 15 | 8 | 1 | 6 |
| Inguinal ... | 3 | 61 | 64 | 56 | 4 | 2 | ... | 2 |
| Femoral ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Venntral (incisional) ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Unspecified site ... | 1 | 14 | 15 | 13 | 1 | ... | 1 | ... |
| Hernia of abdominal cavity with obstruction. ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Inguinal ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Umbilical ... | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining udner treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Other diseases of intestines and peritoneum* | | | | | | | | |
| Intestinal obstruction without mention of hernia | 1 | 20 | 21 | 7 | 10 | 1 | 3 | ... |
| Volvulus | ... | 5 | 5 | 3 | ... | ... | 1 | 1 |
| Other | ... | 2 | 2 | ... | ... | ... | 2 | ... |
| Gastro-enteritis and colitis, except ulcerative, age 4 weeks and over | ... | 42 | 43 | 29 | 8 | 1 | 5 | ... |
| Ages between 4 weeks and 2 years | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Ages 2 years and over | 1 | 1 | 1 | 1 | ... | ... | ... | ... |
| Chronic enteritis and ulcerative colitis | 2 | 48 | 50 | 12 | 27 | 6 | 1 | 4 |
| Regional enteritis | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Other | 1 | 4 | 5 | ... | 5 | ... | ... | ... |
| Functional disorders of intestines | ... | 3 | 3 | ... | 1 | 2 | ... | ... |
| Mucous colitis | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Irritability of colon | ... | 4 | 4 | ... | 4 | ... | ... | ... |
| Anal fissure and fistula | 1 | 50 | 51 | 28 | 18 | 3 | ... | 2 |
| Abscess of anal and rectal regions | ... | 44 | 44 | 34 | 9 | 1 | ... | ... |
| Peritonitis | ... | 5 | 5 | 1 | ... | 1 | 3 | ... |
| Peritoneal adhesion | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Other diseases of intestines and peritoneum | 1 | 13 | 14 | 9 | 3 | 1 | 1 | ... |
| *Diseases of Liver, Gallbladder, and Pancreas* | | | | | | | | |
| Acute and subacute yellow atrophy of liver | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Cirrhosis of liver | ... | 16 | 16 | ... | 7 | 2 | 6 | 1 |
| Without mention of alcoholism | 2 | 23 | 25 | 5 | 7 | 4 | 8 | 1 |
| With alcoholism | ... | 4 | 4 | ... | 1 | ... | 3 | ... |
| Suppurative hepatitis and liver abscess | ... | 5 | 5 | 2 | 2 | ... | ... | 2 |
| Other diseases of liver | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Cholelithiasis | ... | 4 | 4 | 1 | 1 | 1 | ... | 1 |
| Cholecystitis without mention of calculi | ... | 13 | 13 | 3 | 8 | 2 | ... | ... |
| Diseases of pancreas | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Acute pancreatitis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Diseases of the Genito-Urinary system* | | | | | | | | |
| Acute nephritis | ... | 5 | 5 | 1 | ... | 3 | ... | 1 |
| Nephritis with oedema, including nephrosis | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Chronic nephritis | ... | 4 | 4 | ... | 1 | 2 | ... | 1 |
| *Other diseases of Urinary system* | | | | | | | | |
| Infections of kidney | ... | 8 | 8 | 1 | 5 | ... | ... | 2 |
| Pyelitis, pyelocystitis, and pyelonephritis | ... | 6 | 6 | 1 | 3 | ... | 1 | 1 |
| Abscess of kidney and perirenal tissue | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Hydronephrosis | ... | 3 | 3 | 2 | ... | 1 | ... | ... |
| Calculi of kidney and ureter | 1 | 32 | 33 | 13 | 10 | 6 | 3 | 1 |
| Other diseases of kidney and ureter | ... | 3 | 3 | ... | 1 | 2 | ... | ... |
| Calculi of other parts of urinary system | 1 | 11 | 12 | 9 | 2 | 1 | ... | ... |
| Cystitis | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Other diseases of bladder | ... | 5 | 5 | 3 | 1 | 1 | ... | ... |
| Stricuture of urethra | 1 | 16 | 17 | 4 | 9 | 3 | ... | 1 |
| Other diseases of urethra | ... | 9 | 9 | 2 | 7 | ... | ... | ... |
| *Diseases of Male Genital Organs* | | | | | | | | |
| Hyperplasia of prostate | 1 | 11 | 12 | 7 | 4 | 1 | ... | ... |
| Prostatitis | ... | 4 | 4 | 2 | 1 | ... | 1 | ... |
| Other diseases of prostate | 1 | 2 | 3 | 2 | 1 | ... | ... | ... |
| Haemorrhage, prostate | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Hydrocele | 17 | 425 | 442 | 404 | 16 | 2 | ... | 20 |
| Orchitis and epididymitis | ... | 7 | 7 | 3 | 4 | ... | ... | ... |
| Redundant prepuce and phimosis | 2 | 14 | 16 | 15 | 1 | ... | ... | ... |
| Sterility, male | ... | 20 | 20 | 17 | 3 | ... | ... | ... |
| Other diseases of male genital organs | 1 | 1 | 2 | ... | 1 | ... | ... | 1 |
| *Diseases of Breast, Ovary, Fallopian Tube, and Parametrium* | | | | | | | | |
| Chronic cystic disease of breast | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Other diseases of breast | ... | 10 | 10 | 9 | 1 | ... | ... | ... |
| **XII.—Diseases of the Skin and Celluar Tissue** | | | | | | | | |
| Boil and carbuncle | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| Of trunk | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Cellulitis of finger and toe | 2 | 13 | 15 | 6 | 7 | 1 | ... | 1 |
| Other cellulitis and abscess without mention of lymphangitis | ... | 27 | 27 | 12 | 10 | 4 | 1 | ... |
| Of head and neck | ... | 19 | 19 | 15 | 3 | 1 | ... | ... |
| Of trunk | 2 | 63 | 65 | 53 | 11 | ... | ... | 1 |
| Of upper arm and forearm | ... | 21 | 21 | 15 | 4 | ... | 2 | ... |
| Of hand, except fingers | ... | 14 | 14 | 12 | 2 | ... | ... | ... |
| Of leg | ... | 73 | 73 | 52 | 15 | 6 | ... | ... |
| Of foot, except toes | 2 | 44 | 46 | 39 | 5 | 2 | ... | ... |
| Other cellulitis and abscess with lymphangitis of leg | ... | 2 | 2 | ... | ... | ... | ... | ... |
| Of Other, multiple, and unspecified sites | ... | 1 | 1 | ... | ... | 1 | ... | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Other diseases of Skin and Subcutaneous Tissue* | | | | | | | | |
| Seborrhoeic dermatitis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other dermatitis | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |
| Due to other specified agents | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Psoriasis and similar disorders | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Lichen planus | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other hypertrophic and atrophic conditions of skin | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Keloid scar | ... | 4 | 4 | 2 | 1 | 1 | ... | ... |
| Diseases of hair and hair follicles | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Other diseases of sebaceous glands | ... | 4 | 4 | 4 | ... | ... | ... | ... |
| Chronic ulcer of skin | 1 | 45 | 46 | 36 | 7 | ... | 2 | 1 |
| Other diseases of skin | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| **XIII.—Diseases of the Bones and Organs of Movement** | | | | | | | | |
| Acute arthritis due to pyogenic Organisms | ... | 5 | 5 | 1 | 4 | ... | ... | ... |
| Acute nonpyogenic arthritis | ... | 11 | 11 | 2 | 8 | 1 | ... | ... |
| Rheumatoid arthritis and allied conditions | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Rheumatoid arthritis | 4 | 5 | 9 | ... | 1 | 8 | ... | 1 |
| Spondylitis ankylopoietica | 1 | ... | 1 | ... | 1 | ... | ... | ... |
| Osteo-arthritis (arthrosis) and allied conditions | 1 | 9 | 10 | 1 | 5 | 3 | ... | 1 |
| Osteo-arthritis (arthrosis) | 1 | 33 | 34 | 6 | 20 | 7 | ... | 1 |
| Spondylitis osteo-arthitica (spondylarthrosis) | ... | 8 | 8 | 1 | 5 | 1 | ... | 1 |
| Other specified forms of arthritis | ... | 21 | 21 | 11 | 9 | 1 | ... | ... |
| Arthritis, unspecified | ... | 3 | 3 | ... | 1 | 2 | ... | ... |
| Muscular reheumatism—lumbago | ... | 4 | 4 | 1 | 1 | 2 | ... | ... |
| Torticollis not specified as congenital, psychogenic, or traumatic | ... | 10 | 10 | 4 | 2 | 4 | ... | ... |
| Rheumatism unspecified | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| *OSteomyelitis and other diseases of bone and joint* | | | | | | | | |
| Osteomyelitis and periostitis | 1 | 8 | 9 | 3 | ... | 6 | ... | ... |
| Unspecified osteomyelitis | 1 | 23 | 24 | 16 | 7 | 1 | ... | ... |
| Periostitis without mention of osteomyelitis | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other diseases of bone | 1 | ... | 1 | ... | ... | 1 | ... | ... |
| Displacement of intervetebral disc. | ... | 6 | 6 | 5 | 1 | ... | ... | ... |
| Affection of sacro-ilian joint | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Ankylosis of joint of elbow | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| *Other diseases of Musculoskeletal system* | | | | | | | | |
| Synovitis, bursitis, and tenosynovitis without mention of occupational origin | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| Infective myositis and other inflammatory diseases of tendon and fascia | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Other diseases of muscle, tendon, and fascia | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Other | ... | 3 | 3 | 1 | 1 | 1 | ... | ... |
| **XIV.—Congenital Malformations** | | | | | | | | |
| Congenital malformations of circulatory system | ... | 2 | 2 | ... | ... | 2 | ... | ... |
| Patent ductus arteriosus (Botalli) | ... | 2 | 2 | ... | ... | 1 | ... | 1 |
| Interauricular septal defect | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Cleft palate and harelip | ... | 8 | 8 | 7 | 1 | ... | ... | ... |
| Congenital malformations of digestive system | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| Congenital malformations of genito-urinary system | ... | 6 | 6 | 5 | 1 | ... | ... | ... |
| Other | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Congenital malformations of bone and joint | 1 | 1 | 2 | 1 | ... | ... | ... | ... |
| Congenital malformations of skull | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Congenital abnormalities of lumbosacral region | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Other and unspecified congenital malformations, not elsewhere classified | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Other and unspecified | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| **XV.—Certain Diseases of Early Infancy** | | | | | | | | |
| Ihtracranial and spinal injury at birth | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Other birth injury without mention of immaturity | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Pneumonia of newborn | ... | 5 | 5 | ... | 1 | ... | 4 | ... |
| Without mention of immaturity | ... | 7 | 7 | 2 | ... | 2 | 3 | ... |
| Diarrhoea of newborn | ... | 13 | 13 | 6 | 6 | 1 | ... | ... |
| Without mention of immaturity | ... | 17 | 17 | 2 | 9 | 6 | ... | ... |
| Ophthalmia neonatorum | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Other diseases Peculiar to Early Infancy* | | | | | | | | |
| Haemorrhagic disease of newborn | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Nutritional maladjustment | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| Without mention of immaturity | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Without immaturity | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Ill-defined diseases peculiar to early infancy | ... | 8 | 8 | ... | ... | 1 | 7 | ... |
| Without mention of immaturity | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Immaturity with mention of any other subsidiary condition | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Immaturity subsidiary to some other cause | ... | 2 | 2 | 1 | ... | ... | ... | 1 |
| Immaturity unqualified | ... | 2 | 2 | ... | ... | ... | 2 | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| **XVI.—Symptoms Senility, and Ill-Defined Conditions** | | | | | | | | |
| Certain symptoms referable to nervous system and special senses | ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| Coma and stupor | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Convulsions | ... | 9 | 9 | 4 | 3 | ... | 2 | ... |
| Jacksonian epilepsy | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Abnormal involuntary movement | ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| Vertigo | ... | 5 | 5 | ... | 4 | 1 | ... | ... |
| Symptoms referable to cardiovascular and lymphatic system | ... | 5 | 5 | ... | 4 | ... | 1 | ... |
| Syncope or collapse | ... | 9 | 9 | 2 | 5 | ... | ... | 2 |
| Shock without mention of trauma | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Symptoms referable to respiratory system—haemoptysis | ... | 4 | 4 | 2 | 1 | ... | 1 | ... |
| Dyspnoea | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Pain in chest | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Nausea and vomiting | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Haematemesis | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Hiccough | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Symptoms referable to abdomen and lower gastro-intestinal system | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Jaundice | ... | 6 | 6 | ... | ... | ... | 6 | ... |
| Ascites | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Flatulence | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Abdominal pain | ... | 122 | 122 | 22 | 90 | 8 | 1 | 1 |
| Diarrhoea, age 2 years and over | 1 | 95 | 96 | 2 | ... | ... | 90 | 4 |
| Meloena (age 1 year and over) | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Symptoms referable to genito-urinary system. | ... | 29 | 29 | 5 | 19 | 5 | ... | ... |
| Retention of urine | ... | 10 | 10 | 7 | 2 | 1 | ... | ... |
| Priapism | ... | 3 | 3 | ... | 2 | 1 | ... | ... |
| Symptoms referable to limbs and back | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Swelling of limb | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other general symptoms | ... | 3 | 3 | ... | ... | ... | 3 | ... |
| Dehydration | ... | 13 | 13 | 6 | 1 | 1 | 5 | ... |
| Pyrexia of unknown origin | 4 | 360 | 364 | 277 | 11 | 33 | 36 | 7 |
| Abnormal urinary constituents of unspecified cause Pyuria and bacteriuria | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Senility and Ill-defined diseases* | | | | | | | | |
| Nervousness and debility | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Headache | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Uraemia unqualified | 1 | 2 | 3 | ... | ... | ... | 3 | ... |
| Observation, without need for further medical care-Other specified | ... | 3 | 3 | 1 | 1 | ... | ... | 1 |
| Ill-defined and unknown cause of morbidity and mortality Malingering | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Other, unknown and unspecified cause | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Sudden death (cause unknown) | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| **XVII.—Accidents, Poisionings, and Violence** | | | | | | | | |
| Railway accident involving passenger | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| *Motor vehicle traffic accidents* | | | | | | | | |
| Motor vehicle traffic accident to pedestrian | ... | 4 | 4 | 4 | ... | ... | ... | ... |
| Motor vehicle traffic accident involving running on roadway | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| *Other road vehicle accidents* | | | | | | | | |
| Street car accident to pedestrian | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Water transport accidents* | | | | | | | | |
| Machinery accident in water transport | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Accidental poisoning by solid and liquid Substances* | | | | | | | | |
| Accidental poisoning by barbituric acid and derivatives | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| Accidental poisoning by other and unspecified drugs | ... | 5 | 5 | 4 | 1 | ... | ... | ... |
| Accidental poisoning by noxious foodstuffs | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Accidental poisoning by alcohol | ... | 61 | 61 | 1 | 58 | ... | ... | ... |
| Accidental poisioning by petroleum products. | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Accidental poisoning by otner and unspecified solid and liquid substances | ... | 3 | 3 | ... | 3 | ... | ... | ... |
| *Accidental falls* | | | | | | | | |
| Other falls from one level to another | ... | 6 | 6 | ... | 4 | 2 | ... | ... |
| Fall on same level | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Other accidents* | | | | | | | | |
| Accident caused by cutting and piercing instrument | ... | 4 | 4 | 4 | ... | ... | ... | ... |
| Inhalation and ingestion of food causing obstruction or suffering | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Foreign body entering other office | ... | 6 | 6 | 3 | ... | 3 | ... | ... |
| Accidents caused by bites and stings of venomous animals and insects | ... | 12 | 12 | 7 | 4 | 1 | ... | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Complications due to Nontherapeutic Medical and Surgical Procedures* | | | | | | | | |
| Late effect of other accidental injury | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Suicide and self-inflicted injury by cutting and piercing instruments | ... | 4 | 4 | ... | 4 | ... | ... | ... |
| Suicide and self-inflicted injury by other and unspecified means | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Homicide and Injury Purposely inflicated by other Persons* | | | | | | | | |
| Assault by cutting and piercing instruments | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| **N. XVII.—Alternative Classification of Accidents, Poisonings, and Violence (Nature of Injury)** | | | | | | | | |
| Fracture of vault of skull | ... | 22 | 22 | 15 | 2 | 2 | 3 | ... |
| Fracture of base of skull | ... | 7 | 7 | 1 | 1 | ... | 4 | 1 |
| Fracture of face bones | ... | 7 | 7 | 2 | 2 | 3 | ... | ... |
| Other and unqualified skull fractures | ... | 7 | 7 | ... | ... | 2 | 5 | ... |
| Multiple fractures involving skull or face with other bones | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Fractue and fracture dislocation of vertebral column without mention of spinal cord lesion | ... | 25 | 25 | 8 | 12 | 4 | ... | 1 |
| Fracture of rib(s) and sternum | ... | 10 | 10 | 2 | 6 | ... | 2 | ... |
| Fracture of pelvis | 1 | 6 | 7 | ... | 4 | ... | 2 | 1 |
| *Fracture of Uupper Limb* | | | | | | | | |
| Fracture of elavide | ... | 8 | 8 | 3 | 4 | 1 | ... | ... |
| Fracture of humerus | 1 | 6 | 7 | ... | 5 | 2 | ... | ... |
| Fracture of radius and ulna | 1 | 29 | 30 | 12 | 10 | 7 | ... | 1 |
| Fracture of carpal bone(s) | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Fracture of metacarpal bone(s) | ... | 6 | 6 | 5 | ... | 1 | ... | ... |
| Fracture of one or more phalanges of hand | ... | 7 | 7 | 4 | 2 | 1 | ... | ... |
| Multiple fractures of hand bones | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Fracture of lower limb* | | | | | | | | |
| Fracture of neck of femur | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Fracture of other and unspecified parts of femur | 1 | 16 | 17 | 5 | 7 | 4 | ... | 1 |
| Fracture of patella | 1 | 12 | 13 | 6 | 6 | 1 | ... | ... |
| Fracture of tibia and fibula | 1 | 33 | 34 | 6 | 16 | 12 | ... | ... |
| Fracture of ankle | 1 | 1 | 2 | ... | 1 | ... | ... | 1 |
| Fracture of one or more tarsal and metatarsal bones | ... | 10 | 10 | 1 | 5 | 2 | 2 | ... |
| Fracture of one or more phalanges of foot | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Multiple fractures involving both lower limbs, lower with upper limb, and lower limbs with rib(s) and sternum | ... | 4 | 4 | 3 | ... | ... | ... | 1 |
| Fracture of unspecified bones | ... | 4 | 4 | 3 | ... | 1 | ... | ... |
| *Dislocation without fracture* | | | | | | | | |
| Dislocation of shoulder | 1 | 3 | 4 | 1 | ... | 2 | ... | 1 |
| Dislocation of finger | ... | 5 | 5 | 1 | 4 | ... | ... | ... |
| Dislocation of knee | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Other, multiple, and ill-defined dislocations | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| *Sprains and Strains of Joints and Adjacent Muscles* | | | | | | | | |
| Sprains and strains of shoulder and upper arms | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Sprains and strains of hip and thigh | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Sprains and strains of knee and leg | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Other and ill-defined sprains and strains | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Head Injury (excluding skull fracture)* | | | | | | | | |
| Open wound of scallp | 1 | 94 | 95 | 29 | 57 | 6 | 1 | 2 |
| Contusion and haematoma of scalp | ... | 8 | 8 | 6 | 2 | ... | ... | ... |
| Concussion | ... | 7 | 7 | 6 | ... | 1 | ... | ... |
| Cerebral laceration and contusion | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| Other and unspecified intracranial haemorrhage following injury (without mention of cerebral laceraton or contusion) | ... | 7 | 7 | 2 | 3 | 1 | 1 | ... |
| Head injury of other and unspecified nature. | ... | 12 | 12 | 6 | 4 | 2 | ... | ... |
| Traumatic pneumothorax and haemothorax. | ... | 5 | 5 | 4 | ... | ... | ... | 1 |
| Injury to heart and lung | ... | 3 | 3 | ... | ... | 2 | 1 | ... |
| Injury to other and unspecified intrathoracic organs | 1 | 2 | 3 | 1 | 1 | 1 | ... | ... |
| Injury to gastro-intestinal tract | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| Injury to liver | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| Injury to kidney | ... | 1 | 1 | ... | ... | ... | 1 | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Laceration and oper wound of face, neck and trunk* | | | | | | | | |
| Open wound of eye and orbit | ... | 3 | 3 | 2 | ... | 1 | ... | ... |
| Other and unspecified laceration of face | ... | 5 | 5 | 2 | 2 | 1 | ... | ... |
| Open wound of neck | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Open wound of chest | ... | 6 | 6 | 3 | 3 | ... | ... | ... |
| Open wound of back | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Open wound of buttock | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Multiple and unspecified open wounds of face, neck and trunk | ... | 4 | 4 | 2 | ... | 2 | ... | ... |
| Open wound of shoulder and upper arm | 1 | 23 | 24 | 4 | 8 | 12 | ... | ... |
| Open wound of elbow and forearm, and wrist not involving tendons | ... | 7 | 7 | 2 | 5 | ... | ... | ... |
| Open wound of wrist involving tendon(s) | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Open wound of hand, except finger(s) | ... | 6 | 6 | 2 | 4 | ... | ... | ... |
| Open wound of finger(s) | ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Traumatic amputation of thumb(s) | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Traumatic amputaton of arm and hand | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Open wound of hip and thigh | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Open wound of knee, leg (except thigh), and ankle not involving tendons | 1 | 4 | 5 | 1 | 2 | 2 | ... | ... |
| Open wound of foot, except toe(s) | ... | 7 | 7 | 1 | 2 | 4 | ... | ... |
| Multiple and unspecified open wounds of one lower limb | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| Traumatic amputation of foot | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Multiple open wounds of both upper and lower limb(s) | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Multiple open wounds of both hands | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Multiple open wounds of both head and trunk | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Multiple open wounds of both trunk and limb | 1 | 2 | 3 | 1 | 1 | 1 | ... | ... |
| Multiple open wounds of face with other sites | ... | 3 | 3 | ... | 3 | ... | ... | ... |
| Multiple open wounds of unspecified location. | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Superficial injury of face and neck | ... | 4 | 4 | 2 | 2 | ... | ... | ... |
| Superficial injury of trunk | ... | 2 | 2 | 1 | ... | 1 | ... | ... |
| Superficial injury of shoulder and upeer arm. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Superficial injury of hand(s), except fingers... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Superficial injury of hip, thigh, leg and ankle | ... | 5 | 5 | 1 | 4 | ... | ... | ... |
| Superficial injury of foot and toe(s) | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Superficial injury of other, multiple, and unspecified sites | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| Contusion of face and neck, except eye(s) | 1 | 51 | 52 | 29 | 14 | 7 | ... | 2 |
| Contusion of eye and orbit... | ... | 10 | 10 | 3 | 1 | 6 | ... | ... |
| Contusion of trunk | ... | 54 | 54 | 8 | 18 | 28 | ... | ... |
| Contusion of shoulder and upper arm | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| Contusion of hand(s), except fingers | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Contusion of finger(s) | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Contusion of hip, thigh, and leg and ankle | 2 | 11 | 13 | 11 | 2 | ... | ... | ... |
| Contusion of foot and toe(s) | ... | 7 | 7 | 5 | 2 | ... | ... | ... |
| Contusion of other, multiple, and unspecified sites | 1 | 24 | 24 | 20 | 3 | ... | ... | 1 |
| Foreign body in digestive tract | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Burns* | | | | | | | | |
| Burn confined to trunk | 1 | 8 | 9 | 4 | 4 | ... | 1 | ... |
| Burn confined to upper limb(s), except wrist and hand | 1 | 8 | 9 | 6 | 2 | 1 | ... | ... |
| Burn confined to wrist(s) and hand(s) | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Burn confined to lower limb(s) | ... | 14 | 14 | 6 | 3 | 1 | 4 | ... |
| Burn involving face, head, and neck, with limb(s) | 2 | 11 | 13 | ... | 3 | 2 | 8 | ... |
| Burn involving trunk with limb (s) | 3 | 23 | 26 | 6 | 11 | 4 | 3 | 2 |
| Burn involving face, head, and nect, with trunk and limb(s) | 1 | 26 | 27 | 4 | 1 | 1 | 20 | 1 |
| *Injury to Nerves and Spinal Cord Without Bone Injury* | | | | | | | | |
| Injury to other cranial nerve(s) | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Injury to nerve(s) in thigh.. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| *Effects of Poisons* | | | | | | | | |
| Poisoning by noxious foodstuffs | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Poisoning by alcohol | ... | 6 | 6 | 2 | 4 | ... | ... | ... |
| Poisoning by petroleum products | ... | 6 | 6 | 2 | 4 | ... | ... | ... |
| Poisoning by corrosive aromatics, acids, and caustic alkalis | ... | 4 | 4 | 1 | 2 | ... | 1 | ... |
| Poisoning by mercury and its compounds | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Poisoing by morphine and other opium derivatives | ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| Poisoning by Barbituric acid and derivatives... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Poisoning by aspirin and salicylates | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Poisoning by venom | ... | 3 | 3 | 1 | ... | ... | 2 | ... |
| Poisoning by belladonna, hyoscine, and atropone | ... | 4 | 4 | 2 | 2 | ... | ... | ... |
| Poisoning by other and unspecified substances | ... | 12 | 12 | 7 | 3 | ... | 2 | ... |
| Effects of heat and insolation | ... | 4 | 4 | 3 | 1 | ... | ... | ... |
| Effects of high altitude | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Caisson disease | ... | 1 | 1 | 1 | ... | ... | ... | ... |

| Name of the Diseases | IN-PATIENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Remained on 1-1-52 | Admitted | Total | Cured | Relieved | Otherwise | Died | Remaining under treatment on 31-12-52 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Other and Unspecified injuries and Reactions* | | | | | | | | |
| Drowning and nonfatal submersion ... | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| Electrocution and nonfatal effects of electric currents ... | ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Injury due to radiation, except sunburn ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Certain early complications of trauma—Shock ... | ... | 2 | 2 | ... | ... | ... | 2 | ... |
| Injury of other and unspecified nature ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| Face and neck except eye(s) ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Trunk ... | ... | 1 | 2 | 2 | ... | ... | ... | ... |
| Knee leg except thigh, ankel and foot ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Reactions and complications due to non-therapeutic medical and surgical procedures | ... | 5 | 5 | 4 | 1 | ... | ... | ... |
| Adverse reaction to injections, infusions, and transfusions for therapeutic purposes— | | | | | | | | |
| Serum sickness ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| **Supplementary Classifications for Special Admissions, Liverbirths, and Stillbirths** | | | | | | | | |
| Special conditions and Examinations without sickness. | | | | | | | | |
| Medical or special examination ... | 2 | 55 | 57 | 24 | 2 | 1 | ... | 30 |
| Grand Total ... | 223 | 7064 | 7287 | 3631 | 1866 | 862 | 690 | 238 |

## APPENDIX No. 4.

*Summary of operations performed at the Municipal General Hospital Sion.*

| Class of Operation | Nature of operation | Remained on 1-1-52 | Admitted | Total. | Cured | Relieved | Otherwise | Expired | Remained on 31-12-52 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Operation on tumours... | Removal by excision or other methods ... | ... | 25 | 25 | 19 | 5 | 1 | ... | ... |
| Operation on Cysts ... | Removal by enucleation or excision. | ... | 15 | 15 | 15 | ... | ... | ... | ... |
| Operation on abscesses. | (*a*) For acute absces-incision ... | ... | 202 | 202 | 168 | 32 | 1 | ... | 1 |
| | (*b*) (1) For chronic abscess Incision and drainage ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Removal of bodies | (*a*) From the natural passages (excluding the external ear and urethra) ... | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| | (*b*) Impacted or embedded (except in the eyeball) ... | ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Operations on arteries... | Other operations ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on veins ... | For varices Excision or ligature ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Operations on lymphatics. | (*a*) Removal of glands (except from neck)— | | | | | | | | |
| | (*i*) By excision ... | ... | 11 | 11 | 9 | 1 | 1 | ... | ... |
| | (*ii*) By curetting ... | ... | 4 | 4 | 3 | 1 | ... | ... | ... |
| | Operations on nerves ... | ... | 12 | 12 | 6 | 5 | ... | ... | 1 |
| | (*a*) Plastic operations (except on face, lips and generative organs) ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Operations on skin and subcutaneous tissues. | (*b*) Repair of wounds ... | 3 | 206 | 209 | 108 | 66 | 28 | 30 | 1 |
| | (*c*) Skin grafting ... | ... | 43 | 43 | 34 | 9 | ... | ... | ... |
| | (*g*) Removal of— | | | | | | | | |
| | (*i*) Ulcers ... | 1 | 1 | 2 | 1 | 1 | ... | ... | ... |
| | (*ii*) Sinuses ... | ... | 6 | 6 | 6 | ... | ... | ... | ... |
| Operations on bones (excluding amputations). | (*a*) Obsteotomy osteoclasis ... | ... | 2 | 2 | ... | ... | 1 | 1 | ... |
| | (*b*) Wirings, plating or otherwise uniting fractured bones ... | 1 | 19 | 20 | 12 | 6 | 2 | ... | ... |
| | (*c*) Removal of sequestra ... | ... | 15 | 15 | 14 | 1 | ... | ... | ... |
| | (*d*) Other operations ... | 1 | 7 | 8 | 6 | 2 | ... | ... | ... |
| Amputations and disarticulations. | (*a*) Elbow ... | ... | 10 | 10 | 9 | 1 | ... | ... | ... |
| | (*b*) Forearm ... | 1 | 1 | 1 | 1 | ... | ... | ... | ... |
| | (*c*) Wrist and hand ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (*d*) Leg ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (*e*) Akle and foot ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Operations on the skull. | (*a*) Trephining ... | ... | 2 | 2 | 1 | ... | ... | 1 | ... |
| | (*b*) Elevation depressed bone, with or without trephining ... | ... | 8 | 8 | 4 | 2 | ... | 2 | ... |
| Operations on the brain and meninges. | (*a*) For abscess, tumour or cyst ... | ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| | (*b*) Other operations ... | ... | 5 | 5 | 4 | 1 | ... | ... | ... |

| Class of Operation | Nature of operation | Remained on 1-1-52 | Admitted | Total. | Cured | Relieved | Otherwise | Expired | Remained on 31-12-52 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Operations on the spine, spinal cord and meninges. | Other operations | ... ... | 10 | 10 | ... | 6 | 2 | 1 | 1 |
| Operations on the face. | (a) For hare-lip | ... ... | 4 | 4 | 3 | 1 | ... | ... | ... |
| Operations on the salivary glands | | ... ... | 5 | 5 | 5 | ... | ... | ... | ... |
| Operations within the mouth and on the nasopharynx ... | (a) For cleft palate | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (b) Removal or shortening of uvula. | ... | 3 | 3 | 3 | ... | ... | ... | ... |
| | (c) Removal of tonsils | ... ... | 373 | 373 | 364 | 4 | 1 | ... | 4 |
| | (d) Removal of tonsils and of adenoids | ... ... | 75 | 75 | 70 | 4 | 1 | ... | ... |
| | (e) Incision of tonsillar or peritonsillar abscess | ... ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | (f) Dental operations— | | | | | | | | |
| | (i) Other dental operations | ... ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | (h) Excision of tongue, partial or complete | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on the nasal cavities and ascessory sinuses. | On nasal septum | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations of the larynx, trecha and bronchi. | Tracheotomy | ... ... | 1 | 1 | ... | ... | ... | 1 | ... |
| Operations on the thyroid and parathyroid glands | (a) Partial removal of gland or removal of cyst or tumour | ... ... | 7 | 7 | 5 | 1 | ... | ... | 1 |
| | (b) Other operations | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on the neck. | (a) Excision of glands | ... ... | 4 | 4 | 2 | 2 | ... | ... | ... |
| | (b) Other operations | ... ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| Operations on the oesophagus. | Other operations | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (a) Exision of breast— | | | | | | | | |
| | (i) Simple and partial | ... 8 | ... | 8 | 8 | ... | ... | ... | ... |
| Operations on breast ... | (b) Removal of cyst and new growth | ... | 5 | 5 | 5 | ... | ... | ... | ... |
| | (c) Other operations | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on the thorax and its contents. | Other operations | ... ... | 6 | 6 | 3 | 1 | ... | 2 | ... |
| Operations on the abdominal wall and cavity. | (a) For inguinal hernia— | | | | | | | | |
| | (i) For radical cure | ... ... | 170 | 170 | 160 | 2 | 2 | ... | 6 |
| | (ii) For strangulation | ... 1 | 19 | 20 | 16 | 3 | ... | 1 | ... |
| | (b) For other forms of hernia | ... ... | 4 | 4 | 4 | ... | ... | ... | ... |
| | (c) Paracentesis abdominis | ... 6 | 4 | 10 | 10 | ... | ... | ... | ... |
| | (d) Exploartory laparostomy | ... ... | 21 | 21 | 9 | 3 | 3 | 6 | ... |
| Operations on the stomach. | Gastro enterostomy | ... ... | 12 | 12 | 6 | 5 | 1 | ... | ... |
| | (b) Partial gastrectomy with anastomosis | ... ... | 3 | 3 | 2 | 1 | ... | ... | ... |
| | (c) Other operations | ... ... | 2 | 6 | 2 | 4 | ... | 1 | ... |
| Operations on the intestines. | (a) Appendicetomy | ... ... | 58 | 58 | 57 | ... | ... | ... | 1 |
| | (b) Opening of appendicular or other abscess | ... ... | 12 | 12 | 9 | 2 | ... | 1 | ... |
| | (c) Caecostomy, colostomy | ... ... | 1 | 1 | ... | 1 | ... | ... | ... |
| | (d) Intestinal anastomosis | ... ... | 13 | 13 | 8 | 2 | ... | 3 | ... |
| | (e) Reduction, of internal hernia, intussuseeption, or volvulus, with or without resection of gut. | ... | 6 | 6 | 5 | ... | ... | ... | 1 |
| Operations on the rectum and anus. | (a) For haemorrhoids | ... 2 | 72 | 74 | 70 | 3 | ... | ... | 1 |
| | (b) Incision of imperforate anus | ... ... | 14 | 14 | 11 | 3 | ... | ... | ... |
| | (c) Incision or excision of fistula in ano | ... ... | 41 | 41 | 25 | 13 | ... | ... | 3 |
| | (d) Incision of isochiorectal abscess. | ... | 15 | 15 | 15 | ... | ... | ... | ... |
| | (e) For prolapse of rectum | ... ... | 5 | 5 | 4 | 1 | ... | ... | ... |
| | (f) Excision of rectum | ... ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | (g) Incision of imperforate anus | ... ... | 2 | 2 | 1 | ... | ... | ... | 1 |
| | (:) Other operations | ... ... | 2 | 2 | ... | 1 | 1 | ... | ... |
| Operations on the liver, gall bladder and bileducts. | (a) Expleratory puncture | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (b) Incision of abscess or eyst | ... ... | 3 | 3 | 2 | ... | 1 | ... | ... |
| | (c) Paracentesis of abscess or cyst | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (d) Other operations | ... ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on the spleen | | ... ... | 3 | 3 | 3 | ... | ... | ... | ... |
| Operations on the kidneys and ureters. | (a) Nephrotomy and nephro lithotomy | ... ... | 7 | 7 | 4 | ... | 1 | 2 | ... |
| | (b) Nephrectomy | ... ... | 5 | 5 | 5 | ... | ... | ... | ... |
| | (c) Other operations | ... ... | 9 | 9 | 3 | 4 | 1 | 1 | ... |
| Operations on the kiddneys and ureters. | (a) Cystoscopy | ... ... | 2 | 2 | ... | 1 | ... | 1 | ... |
| | (b) Introduction of catheter or sound | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| | (c) Puncture | ... ... | 12 | 13 | 12 | ... | ... | 1 | ... |
| | (d) Cystotomy, cystostomy | ... ... | 5 | 5 | 3 | 1 | 1 | 1 | ... |
| | (e) Other operations | ... 1 | ... | 1 | 1 | ... | ... | ... | ... |
| Operations on the prostate. | (a) Prostatectomy | ... ... | 8 | 8 | 8 | ... | ... | ... | ... |

| Class of Operation | Nature of operation | Remained on 1-1-52 | Admitted | Total. | Cured | Relieved | Otherwise | Expired | Remained on 31-12-52 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Operations on the urethra. | (a) Dilatation of stricture ... | ... | 3 | 3 | 1 | 2 | ... | ... | ... |
| | (b) Urethrotomy ... | ... | 3 | 3 | ... | 3 | ... | ... | ... |
| | (c) Removal of calculus or foreign body ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | (d) Other operations ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on the male generative organs. | (a) Circumcision ... | 2 | 22 | 24 | 24 | ... | ... | ... | ... |
| | (b) For paraphimosis and phimosis. | ... | 4 | 4 | 4 | ... | ... | ... | ... |
| | (c) Amputation of penis, partial or complete ... | 1 | 5 | 6 | 6 | ... | ... | ... | ... |
| | (d) Puncture or incision of tunica vaginalis for hydrocele or haematocele ... | ... | 2 | 2 | ... | 2 | ... | ... | ... |
| | (e) Radical cure of hydrocele ... | 16 | 425 | 441 | 423 | ... | ... | ... | 18 |
| | (f) Excision of elephantoid scrotum and/or penis ... | ... | 7 | 7 | 7 | ... | ... | ... | ... |
| | (g) Other operations ... | 1 | 41 | 45 | 42 | 3 | ... | ... | ... |
| | (h) Removal of testis ... | 5 | 5 | 5 | ... | ... | ... | ... | ... |
| | Grand Total ... | 45 | 2,182 | 2,227 | 1,886 | 222 | 49 | 30 | 40 |

## APPENDIX No. 5.

## MUNICIPAL GENERAL HOSPITAL, SION.

## ANNAPURNABAI DESHMUKH HOSPITAL FOR WOMEN

*Statement of Gynaec & Maternity Cases*

| Name of diseases. | IN-PATIENTS. Remained on 1st January 1952. | Admitted. | Total. | Cured. | Relieved. | Otherwise. | Delivered. | Left before Delivery. | Died. | Remained under treatment on 31-12-52. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| *Diseases of Breast, Ovary, Fallopian Tube, and Parametrium* | | | | | | | | | | |
| Acute salpingitis and oophoritis | ... | 5 | 5 | 1 | 3 | 1 | ... | ... | ... | ... |
| Chronic salpingitis and oophoritis | 1 | 4 | 5 | ... | 5 | ... | ... | ... | ... | ... |
| Salpingitis and oophoritis, unqualified | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... |
| Other diseases of ovary and fallopian tube | ... | 13 | 13 | 10 | 1 | 1 | ... | ... | ... | 1 |
| Diseases of parametrium and pelvic peritoneum (female) | ... | 27 | 27 | 17 | 9 | 1 | ... | ... | ... | ... |
| Do. Do. Perinterine | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... |
| *Diseases of Uterus and Other Female Genital Organs* | | | | | | | | | | |
| Infective disease of uterus, vagina, and vulva | ... | 4 | 4 | 3 | 1 | ... | ... | ... | ... | ... |
| Vaginitis and vulvitis | 4 | 8 | 12 | 8 | 2 | 2 | ... | ... | ... | ... |
| Uterovaginal prolapse | 1 | 20 | 21 | 13 | 5 | 3 | ... | ... | ... | ... |
| Other diseases of uterus | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... |
| Disorders of menstruation | 6 | 125 | 131 | 45 | 62 | 23 | ... | ... | ... | 1 |
| Menopausal symptoms | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... |
| Sterility, female | ... | 51 | 51 | 6 | 22 | 22 | ... | ... | ... | 1 |
| Other | ... | 4 | 4 | 2 | 2 | ... | ... | ... | ... | ... |
| *XI.—Deliveries and Complications of Pregnancy, Childbirth, and the Puerperium* | | | | | | | | | | |
| Pyelitis and pyelonephritis of pregnancy | ... | 5 | 5 | 1 | ... | ... | ... | 4 | ... | ... |
| Toxaemias of pregnancy | ... | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... |
| Renal disease arising during pregnancy | ... | 6 | 6 | ... | ... | ... | ... | 6 | ... | ... |
| Pre-eclampsia of pregnancy | ... | 11 | 11 | 1 | ... | 1 | 2 | 6 | 1 | ... |
| Eclampsia of pregnancy | ... | 5 | 5 | ... | ... | ... | 1 | 2 | 2 | ... |
| Hyperemesis gravidarum | ... | 10 | 10 | 2 | 2 | 1 | ... | 5 | ... | ... |
| Other | ... | 2 | 2 | ... | ... | 1 | ... | 1 | ... | ... |
| Placenta praevia | ... | 4 | 4 | ... | ... | 1 | ... | 1 | 2 | ... |
| Other haemorrhage of pregnancy | ... | 32 | 32 | 1 | 1 | 12 | 5 | 12 | 1 | ... |
| Ectopic pregnancy | ... | 3 | 3 | 2 | ... | ... | ... | ... | 1 | ... |
| With sepsis | ... | 6 | 6 | 3 | 1 | 1 | ... | ... | 1 | ... |
| Anaemia of pregnancy | ... | 31 | 31 | 4 | 1 | 5 | 4 | 6 | 11 | ... |
| Other complications arising from pregnancy | ... | 48 | 48 | 45 | 2 | 1 | ... | ... | ... | ... |
| Threatened abortion | ... | 25 | 25 | 10 | 9 | 3 | 1 | 1 | ... | 1 |
| Placental abnormalitis not classified elsewhere | ... | 1 | 1 | ... | ... | ... | ... | 1 | ... | ... |
| Other | 4 | 688 | 692 | 5 | 5 | 9 | ... | 668 | ... | 5 |
| Pregnancy associated with other conditions | 2 | 98 | 100 | 5 | 6 | 2 | 87 | ... | ... | ... |
| *Abortion* | | | | | | | | | | |
| Abortion without mention of sepsis or toxaemia | ... | 59 | 59 | 51 | ... | 2 | 4 | ... | 2 | ... |
| Spontaneous or unspecified | 2 | 224 | 226 | 153 | 44 | 7 | 21 | ... | ... | 1 |
| Other | ... | 3 | 3 | 2 | ... | 1 | ... | ... | ... | ... |
| Abortion with sepsis | ... | 5 | 5 | 5 | ... | ... | ... | ... | ... | ... |
| Spontaneous or unspecified | ... | 6 | 6 | 5 | ... | 1 | ... | ... | ... | ... |
| *Delivery without Complication* | | | | | | | | | | |
| Spontaneous | 46 | 2,960 | 3,006 | ... | ... | ... | 2,956 | ... | 1 | 49 |
| Manipulation without instruments | ... | 3 | 3 | ... | ... | ... | 3 | ... | ... | ... |
| Forceps (only) low and unspecified | 4 | 22 | 26 | ... | ... | 4 | 20 | ... | 1 | 1 |
| Other surgical or instrumental, except Caesarean section | ... | 9 | 9 | 2 | ... | ... | 7 | ... | ... | ... |
| Caesarean section | ... | 19 | 19 | ... | ... | ... | 17 | ... | ... | 2 |
| Delivered before admission | ... | 28 | 28 | 2 | ... | ... | 22 | ... | 2 | 2 |
| *Delivery with Specified Complication* | | | | | | | | | | |
| Delivery complicated by placenta praevia or antepartum haemorrhage | ... | 9 | 9 | ... | ... | ... | 9 | ... | ... | ... |
| Delivery complicated by retained placenta | ... | 4 | 4 | ... | ... | ... | 4 | ... | ... | ... |
| Delivery complicated by other postpartum haemorrhage | ... | 4 | 4 | ... | 1 | ... | 3 | ... | ... | ... |
| Delivery complicated by disproportion or malposition of foetus | 1 | 91 | 92 | ... | ... | ... | 87 | ... | 2 | 3 |
| Delivery complicated by prolonged labour of other origin | ... | 4 | 4 | ... | ... | ... | 4 | ... | ... | ... |
| Delivery with laceration of perineum, without mention of other laceration | 1 | 154 | 155 | ... | ... | ... | 147 | ... | ... | 8 |
| Delivery with other complications of childbirth | ... | 6 | 6 | ... | ... | ... | 5 | ... | 1 | ... |
| *Complications of the Puerperium* | | | | | | | | | | |
| Puerperal urinary infection without other sepsis | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... | ... |
| Sepsis of childbirth and the puerperium | ... | 3 | 3 | 1 | ... | ... | 1 | ... | 1 | ... |
| Puerperal hlepbitis and thrombosis | ... | 2 | 2 | ... | ... | ... | 2 | ... | ... | ... |
| Pyrexia of unknown origin during the puerperium | 1 | 48 | 49 | 1 | 2 | ... | 46 | ... | ... | ... |
| Puerperal eclampsia | ... | 5 | 5 | 1 | 1 | 1 | ... | ... | 2 | ... |
| Otner forms of puerperal toxaemia | 3 | 4 | 7 | 1 | 1 | 1 | 3 | 1 | ... | ... |
| Other and unspecified complications of the pucerperium | ... | 4 | 4 | ... | ... | ... | 1 | ... | 3 | ... |
| Anaemia of puerperium | ... | 15 | 15 | 3 | 1 | ... | 11 | ... | ... | ... |
| Otner | ... | 5 | 5 | 1 | 1 | ... | 2 | 1 | ... | ... |
| Grand Total | 76 | 4,938 | 5,014 | 416 | 191 | 107 | 3,476 | 715 | 34 | 75 |

## APPENDIX No. 6.

### Summary of operations performed in the Annapurnabai Deshmukh Hospital for women during the year 1952.

| Class of Operation. | Nature of Operation. | Result of Operations. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Remained on 1-1-52 | Admitted. | Total. | Cured | Relieved. | Otherwise | Died. | Remaining on 31-12-52. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Operations on tumours. | Removal by excision or other methods ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on cysts ... | Removal by enucleation or excision. | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Incision, drainage etc. ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| Operations on abscesses. | For acute abscess—incision ... | ... | 6 | 6 | 5 | ... | 1 | ... | ... |
| | For chronic abscess-other operations. | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| Operations on breast ... | Other operations ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Operations on the abdominal wall and cavity. | For other forms of hernia ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Exploratory laparotomy ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| Operations on the female generative organs. | Operations on the Uterine adnexa— | | | | | | | | |
| | For ovarian cyst or tumour ... | ... | 10 | 10 | 8 | 2 | ... | ... | ... |
| | For ectopic gestation ... | ... | 5 | 5 | 2 | 2 | ... | 1 | ... |
| | For pyosalpinx or salpingitis ... | ... | 1 | 1 | ... | 1 | ... | ... | ... |
| | For salpingostomy ... | ... | 9 | 9 | 3 | 4 | 2 | ... | ... |
| | For Ligature, division, partial or Total excision of fallopian tubes for production of sterility ... | ... | 117 | 117 | 115 | ... | ... | ... | 2 |
| | Tubal inflation ... | ... | 11 | 11 | 5 | 4 | 1 | ... | 1 |
| | Other operations ... | ... | 21 | 21 | 7 | 7 | 7 | ... | ... |
| | Abdominal operations on the uerus— | | | | | | | | |
| | Radical Hysterectomy ... | ... | 8 | 8 | 6 | 1 | ... | 1 | ... |
| | Total hysterectomy, with or without removal of adnexa ... | ... | 5 | 5 | 4 | ... | ... | 1 | ... |
| | Sub- Do. Do. ... | 1 | 13 | 14 | 11 | 3 | ... | ... | ... |
| | Myomectomy ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Ventrifixation ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| | Other operations ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | Vaginal operations on the uterus— | | | | | | | | |
| | Curettage, with or without dilatation of the cervix ... | ... | 120 | 120 | 83 | 30 | 6 | ... | 1 |
| | Removal of polypus or fibroid ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | Hysterectomy ... | 1 | 29 | 30 | 26 | 2 | 1 | 1 | ... |
| | Replacement of inverted or prolapsed uterus ... | ... | 2 | 2 | 1 | 1 | ... | ... | ... |
| | Other operations ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Operations on the cervix uteri— | | | | | | | | |
| | Dilatation ... | ... | 19 | 19 | 4 | 10 | 5 | ... | ... |
| | Plastic operatons including amputations ... | ... | 1 | 1 | ... | ... | 1 | ... | ... |
| | Other operations ... | ... | 3 | 3 | 2 | ... | ... | 1 | ... |
| | Operations on the vagina and perineum— | | | | | | | | |
| | Anterior colporrhaphy, with or without amputation of the cervix ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Perineorrhaphy, with or without posterior colporrhaphy ... | ... | 6 | 6 | 4 | 2 | ... | ... | ... |
| | Excision or repair of fistula ... | ... | 1 | 1 | 1 | ... | ... | ... | ... |
| | Other operations ... | ... | 13 | 13 | 10 | 3 | ... | ... | ... |
| Obsteric Operations ... | Evacuation of pregnant uterus ... | ... | 14 | 14 | 11 | 3 | ... | ... | ... |
| | Induction of premature labour ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | Caesarean section— | | | | | | | | |
| | Classical ... | ... | 4 | 4 | 4 | ... | ... | ... | ... |
| | Lower segment ... | ... | 19 | 19 | 18 | ... | ... | ... | 1 |
| | Other verieties ... | ... | 2 | 2 | 2 | ... | ... | ... | ... |
| | Grand Total ... | 2 | 459 | 461 | 348 | 79 | 24 | 5 | 5 |

## APPENDIX No. 7.

*The Pathological Investigations done on Out-patients during the year 1952.*

| | | Nos. |
|---|---|---|
| (1) Routine Examination of Urine | ... | 1,735 |
| (2) Routine Examination of Faeces | ... | 1,890 |
| (3) Complete Cytology | ... | 282 |
| (4) R. B. C. count and Haemoglobin percent. | ... | 1,668 |
| (5) Total and Differential count of W. B. C. | ... | 2,525 |
| (6) Examination of Blood for Filaria | ... | 260 |
| (7) Examination of Sputum | ... | 462 |
| (8) Examination of Semen | ... | 257 |
| (9) Blood E. S. R. | ... | 474 |
| (10) Smear Examinations— | | |
| (*a*) Throat Swab | ... | 40 |
| (*b*) Cervical discharge | ... | 49 |
| (*c*) Urethral Discharge | ... | 107 |
| (*d*) Pleural fluid | ... | 5 |
| (*e*) Pus | ... | 33 |
| (*f*) Filaria | ... | 3 |
| (*g*) Scrapings | ... | 4 |
| Total | ... | 9,794 |

APPENDIX No. 8.

*The Pathological investations done on In-patients during the year 1952.*

| | | |
|---|---|---|
| (1) Routine Examination of the Urine | ... | 4,300 |
| (2) Examination of Blood— | | |
| (*a*) Complete cytology | ... | 38 |
| (*b*) Platelet Count | ... | 37 |
| (*c*) Coagulation time of Blood | ... | 28 |
| (*d*) Bleeding time of Blood | ... | 28 |
| (*e*) Grouping and Matching of Blood | ... | 766 |
| (*f*) Sedimentation of Blood | ... | 474 |
| (*g*) Miscrofilaria of Blood | ... | 11 |
| (*h*) Malaria parasites | ... | 4 |
| (*i*) Leishman Donovan Bodies | ... | 7 |
| (3) Examination of Faeces | ... | 3,100 |
| (4) Examination of Sputum | ... | 1,060 |
| (5) Examination of Puncture Fluid— | | |
| (*a*) Cerebro-spinal fluid Routine | ... | 460 |
| (*b*) Pleural fluid | ... | 145 |
| (*c*) Ascitic fluid | ... | 112 |
| (6) Histopathology— | | |
| No. of specimens received | ... | 473 |
| No. of blocks cut | ... | 690 |
| (7) Bacteriology— | | |
| (*a*) Cultural examination of Urine | ... | 37 |
| (*b*) Cultural examination of Urine for M. tuberculosis | ... | 15 |
| (*c*) Cultural examination of Blood | ... | 11 |
| (*d*) Cultural examination of C. S. F. | ... | 44 |
| (*e*) Cultural examination of Pleural fluid | ... | 39 |
| (*f*) Cultural examination of L. D. Bodies | ... | 4 |
| (*g*) Cultural examination of Pus | ... | 60 |
| (*h*) Cultural examination of Throat Swab | ... | 22 |
| (*i*) Cultural examination of Clot | ... | 482 |
| (8) Serology— | | |
| (*a*) Widal Reaction | ... | 377 |
| (*b*) Weil Felix Reaction | ... | 9 |
| (*c*) Agglutination test for Brucella group | ... | 4 |
| (*d*) Kahn Test | ... | 2,860 |
| (*e*) Wasserman Test | ... | 146 |
| (*f*) Cold Agglutination test | ... | 1 |
| (*g*) Aldehyde test | ... | 10 |
| (9) Biological Test— | | |
| (*a*) Casoni's Test | ... | 2 |
| (*b*) Friedman's Test | ... | 1 |
| (10) Blood Bank— | | |
| Number of Blood Samples collected | ... | 412 |
| Number of blood samples supplied for transfusion | ... | 319 |
| Number of plasma samples separated | ... | 65 |
| Number of blood samples discarded | ... | 28 |
| (11) Smear Examination— | | |
| (*a*) Peritoneal fluid | ... | 4 |
| (*b*) Pleural fluid | ... | 5 |
| (*c*) Crebro-spinal fluid | ... | 4 |
| (*d*) Leishman Donovan bodies | ... | 7 |
| Total | ... | 15,805 |

## APPENDIX No. 9.

*Biochemical Investigations carried out on In-patients during the year 1952.*

| | | Nos. |
|---|---|---|
| (1) Blood— | | |
| (a) Glucose (fasting level) | ... | 52 |
| (b) Non protein Nitrogen | ... | 135 |
| (c) Urea Nitrogen | ... | 107 |
| (d) Total proteins | ... | 233 |
| (e) Albumin | ... | 232 |
| (f) Globulin | ... | 232 |
| (g) Clacium | ... | 9 |
| (h) Icterus Index | ... | 156 |
| (i) Van-den-Bergh Reaction | ... | 156 |
| (j) Cholesterol | ... | 18 |
| (k) Phosphorus and phosphates | ... | 1 |
| (2) Gastrci Juices— | | |
| Analysis by fractional method | ... | 271 |
| (3) Cerebro Spinal Fuild— | | |
| (a) Chlorides | ... | 216 |
| (b) Glucose | ... | 2 |
| (4) Urine—Sugar—(quantitative) | ... | 5 |
| (5) Special Investigations— | | |
| (a) Glucose Tolerance Test | ... | 38 |
| (b) Urea Clearance Test | ... | 13 |
| (c) Basal Metabolic Rate Test | ... | 47 |
| (d) Kepler's Water retention test | ... | 2 |
| Total | ... | 1,925 |

## APPENDIX No. 10

*Pathological and Biochemical Investigations done under "Anaemia Reserach Enquiry"*

| | Nos. |
|---|---|
| (1) Complete cytological examination of the blood including Total R.B.C., W.B.C., P.C.V., Indices, Differential leucocytic count, Hb estimation and platelet count. | 613 |
| (2) Blood for Malarial Parasites ... | 239 |
| (3) Myelograms ... | 217 |
| (4) Reticulocyte count ... | 2,428 |
| (5) Sedimentation rate ... | 176 |
| (6) Total Proteins ... | 127 |
| (7) Albumin ... | 127 |
| (8) Globulin ... | 127 |
| (9) Van-den-Bergh Reaction ... | 127 |
| (10) Icterus Index ... | 127 |
| (11) Analysis of gastric juices ... | 127 |
| Total ... | 4,435 |

## APPENDIX No. 10A

*Biochemical Investigations carried out under "Diabetes Research Enquiry" during 1952.*

| | | Nos. |
|---|---|---|
| (1) Blood Glucose (Fasting level) | ... | 91 |
| (2) Urine Sugar (Quantitative) | ... | 313 |
| Total | ... | 404 |

## APPENDIX No. 11.

*Clinical conditions for which E. C. G. were taken during the year 1952.*

| Clinical conditions. | MALE. | | | FEMALE. | | |
|---|---|---|---|---|---|---|
| | | With Cardiac failure. | With Bacterial Endocarditis. | | With Cardiac failure. | With Bacterial Endocarditis |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 Acute rheumatic fever ... | ... | ... | ... | 1 | ... | ... |
| 2 Rheumatic mitral valve disease ... | 5 | 16 | ... | 3 | 22 | ... |
| 3 Rheumatic aortic valve disease ... | ... | 1 | 1 | ... | ... | ... |
| 4 Rheumatic mitral and aortic valve disease ... | ... | 1 | 2 | ... | 2 | ... |
| 5 Syphilitic myocarditis ... | 1 | ... | ... | ... | 1 | ... |
| 6 Syphilitic aortic valve disease ... | 1 | 5 | ... | ... | 1 | ... |
| 7 Pneumonia ... | 1 | ... | ... | ... | ... | ... |
| 8 Other unclassified infections ... | 1 | ... | ... | ... | ... | ... |
| 9 Essential hypertension ... | 9 | 10 | ... | 2 | 4 | ... |
| 10 Renal hypertension (including pregnancy toxaemia) ... | 2 | ... | ... | ... | ... | ... |
| 11 Malignant hypertension ... | 1 | ... | ... | ... | 1 | ... |
| 12 Arteriosclerotic hypertension ... | 1 | ... | ... | ... | 2 | ... |
| 13 Respiratory conditions—unclassified ... | ... | ... | ... | ... | 1 | ... |
| 14 Bronchial asthma ... | ... | ... | ... | 1 | 1 | ... |
| 15 Bronchiectasis or lung abscess ... | 1 | 1 | ... | ... | ... | ... |
| 16 Anaemia ... | 6 | ... | ... | 12 | 1 | ... |
| 17 Hypothyroidism without hypertension ... | 1 | ... | ... | ... | ... | ... |
| 18 Thyrotoxicosis without hypertension ... | ... | ... | ... | 5 | ... | ... |
| 19 Hypothyroidism with hypertension ... | ... | ... | ... | 1 | ... | ... |
| 20 Thyrotoxicosis with hypertension ... | ... | ... | ... | 1 | ... | ... |
| 21 Pancreatic disease with hypertension ... | ... | 1 | ... | ... | ... | ... |
| 22 Drugs and their effects—digitalis ... | 2 | ... | ... | 1 | ... | ... |
| 23 Obesity ... | ... | ... | ... | 1 | ... | ... |
| 24 Malnutrition ... | ... | ... | ... | 2 | ... | ... |
| 25 Malnutrition ... | ... | ... | ... | 2 | ... | ... |
| 25 Congenital cardial anomalies ... | 3 | 1 | ... | ... | 2 | ... |
| 26 Irregularity of pulse | | | | | | |
| (*a*) Auricular fibrillation ... | 3 | 1 | ... | 3 | 2 | ... |
| (*b*) Extrasystoles or missed beats ... | 1 | ... | ... | 1 | ... | ... |
| (*c*) Tachycardia including paroxysmal variety ... | 1 | ... | ... | ... | ... | ... |
| (*d*) Tripleryhthm, or galloptrythm ... | ... | ... | ... | 1 | ... | ... |
| 27 Pulsus bigeminus ... | 1 | 1 | ... | ... | ... | ... |
| 28 Coronary artery occlusion ... | 4 | 1 | ... | ... | ... | ... |
| 29 Coronary artery occlusion due to hypertension ... | ... | 2 | ... | 1 | ... | ... |
| 30 Coronary artery occlusion due to arteriosclerosis ... | ... | ... | ... | ... | 1 | ... |
| 31 Coronary artery occlusion due to syphilis ... | ... | 2 | ... | ... | ... | ... |
| 32 Coronary artery occlusion—cause not known ... | 14 | 2 | ... | ... | ... | ... |
| 33 Chest pain resembling angina ... | 12 | ... | ... | 3 | ... | ... |
| 34 Chest pain not resembling angina ... | 8 | 1 | ... | 2 | ... | ... |
| 35 Chest pain—neurocirculatory asthenia ... | 2 | ... | ... | ... | ... | ... |
| 36 Disease of pericardium—T.B. pericarditis ... | 1 | ... | ... | 1 | ... | ... |
| 37 Disease of pericardium—cause not known ... | 2 | ... | ... | ... | ... | ... |
| 38 Miscellaneous ... | 9 | ... | ... | 2 | ... | ... |
| 39 Congestive cardiac failure of unknown origin ... | 18 | ... | ... | 5 | ... | ... |
| Total ... | 111 | 46 | 3 | 49 | 41 | ... |

APPENDIX No. 12.

## MUNICIPAL GENERAL HOSPITAL, SION, POOR BOX FUND.

*Statements of Accounts for the year 1952-53.*

| Receipts. | Amount. | Expenditure. | Amount. |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| To Balance in hand on 31-3-1952 ... | 35,337 8 6 | By Revenue Stamps, etc. ... | 23 9 2 |
| ,, Collection from Poor Boxes ... | 6,994 10 3 | ,, Conveyance Charges ... | 96 4 0 |
| ,, Donations ... | 5,377 0 0 | ,, Costly drugs and medicines ... | 19,660 12 0 |
| ,, Blood Transfussion and Plasma ... | 5,827 0 0 | ,, Blood Transfusion and Plasma ... | 4,515 0 0 |
| ,, Interest received including refund of Income Tax | 1,215 4 0 | ,, Printing and Stationery ... | 162 11 0 |
| ,, Issue of certificates etc. ... | 3,220 0 0 | ,, Establishment Charges ... | 869 6 0 |
| ,, Sale of Costly drugs and Medicines ... | 25,816 11 6 | ,, Moiety to Resident Medical Officer's ... | 1,578 0 0 |
| ,, O. P. D. Canteen. ... | 2,012 13 0 | ,, O. P. D. Canteen. ... | 1,560 14 3 |
| ,, Variety Entertainment Show 14th June 1952. | 5,393 2 0 | ,, Variety Entertainment Show. ... | 999 5 3 |
| ,, Miscellaneous ... ... ... | 1,967 1 6 | ,, Miscellaneous ... | 8,175 10 3 |
| | | ,, Deposit with Bombay Municipal Employees Co-operative Credit Society, Ltd. | 30,000 0 0 |
| | | ,, Balance in Central Bank of India, Ltd. ... | 25,474 12 0 |
| | | ,, Balance in hand ... | 44 14 9 |
| Total ... | 93,161 2 9 | Total ... | 93,161 2 9 |

## STATEMENT No. 12—A.

*Balance Sheet of the M. G. H. Sion Poor Box Fund as on 31st March 1953.*

| Liabilities. | Amount. | Assets. | Amount. |
|---|---|---|---|
| | Rs. a. p. | | Rs. a. p. |
| Fund Account (Balance) ... ... ... | 35,337 8 6 | Cash Balance on hand as on 31-3-1953 ... | 44 14 9 |
| Excess of receipts over payments ... | 20,182 2 3 | Cash Balance with Central Bank of India Ltd (Current). | 25,474 12 0 |
| **Deposits—** ... ... | | **Deposits—(Investment)—** | |
| Moiety to Resident Medical Officer's (if not paid) | ..... | Bombay Municipal Employee's Co-operative Credit Society, Ltd. | 30,000 0 0 |
| Total ... | 55,519 10 9 | Total ... | 55,519 10 9 |

# LEGAL DEPARTMENT

Subject : *Administration Report for the year 1952-53.*

During the year under report, Shri B. G. Desai held the charge of this department.

This Department attended to the following work :—

(1) All Conveyancing matters including Sales, Leases, Agreement, Contracts and Licences; (2) Suits and other proceedings in the High Court, City Civil Court and Small Causes Court; (3) Appeals against rateable value in the Small Causes Court; (4) Prosecutions under the Municipal Act and other cases in the Police Courts; (5) References from various Departments on questions of laws; (6) Amendments of the Municpal Act, Rules and Bye-laws; and (7) Cases under the Workmen's Compensation Act.

During the year under report 6,945 files were received from various Departments and 1,719 letters were written to outside parties or their legal advisers; opinions on different departmental matters and advices, on 165 documents were given.

The Department attended to the following matters in the different Courts. 19 High Court Suits, 112 City Civil Court suits, 7 High Court Revision Applications, 7 High Court Criminal Appeals, 23 Assessment Appeals, 50 Small Causes Court Suits, 18 Small Causes Court References, 143 Police Court Cases, 4 Applications before the Commissioner, Workmen's Compensation.

The following documents were completed :—

8 Conveyances, 25 Leases for 999 years or in perpetuity, 11 New Leases, 11 Surrenders, 65 Temporary-Leases (monthly Tenancy Agreements), 60 Licences to assign, 15 Licenses and Deed of Covenants, 3 Agreements, 3 Powers of Attorney, 9 Indemnity Bonds.

During the year under report, the income of this Department (costs recovered) amounted to about Rs. 41,971-15-6 and the expenditure to about Rs. 70,162-15-3.

Details of the High Court and City Civil Court Suits are given in the statement attached.

| Serial No. | Suit No. | Name of parties | Nature of suit | Remarks |
|---|---|---|---|---|
| 1 | H.C. Suit No. 1330/42 | M. C. *vs.* Jainabai | For property taxes | Under a decree for sale passed in the suit proceedings for sale of the property were taken. Before however the property could be sold, the same was notified by the Controller of Evacuee Property as an evacuee property. Proceedings were thereafter taken before the Court of the Competant Officer as a result of which the municipal claim was fully realised. |
| 2 | H.C. Suit No. 223 of 1943 | M. C. *vs.* Khatizabai Rupawalla. | For ejectment, possession and recovery of arrears of rent and compensation. | Decree was passed in favour of the Bombay Municipality and while the decree was partly satisfied, further steps for recovery of the possession were taken but as a result of the settlement arrived at the possession of the property was taken over by the Corporation. |
| 3 | H.C. Suit No. 792 of 1947 | M. C. *vs.* Khatizabai Haji G. R. Sakhi. | For property taxes | Preliminary Decree passed, and steps for obtaining Decree Absolute for sale were taken. Before however the Decree for sale could be passed the municipal claim was paid up. |
| 4 | H.C. Suit No. 3799 of 1947 | M. C. *vs.* Rehmabai and others. | For property taxes | Decree for sale was passed and steps for putting the property for sale are in progress. |
| 5 | H.C. Suit No. 326 of 1948 | Yeshwant Dhondiba Bankar *vs.* M. C. | For damanages on account of Plaintiffs dismissal (contested) | Suit pending. During the pendency of the suit, proceedings were taken against the Plaintiff in Insolvency whereby he was adjudged an Insolvent. However negotiations for settlement of the Suit are going on. |
| 6 | H.C. Suit No. 1552 of 1948. | M. C. *vs.* Keshavlal D. Shah. | For arrears of rent due in respect of lease of the three sites granted to the party for advertisement purposes. | Decree was passed in favour of the Bombay Municipality but the same could not be executed as on inquiries it was found that the party had no means to pay. Arrangement has however been made that the party should pay up the decretal amount by certain monthly instalments with interest within three years. Further instructions are not received from the department concerned. |
| 7 | H.C. Suit No. 2393 of 1948. | M. C. *vs.* Khan Bahadur, Haji Mahomed Pai and others. | For property taxes (contested). | Preliminary Decree passed and full amount of the decree has been realised except a small amount for costs and interest which will be recovered from the Court Receiver who is in possession of the property. |

| Serial No. | Suit No. | Name of parties | Nature of suit | Remarks |
|---|---|---|---|---|
| 8 | H.C. Suit No. 2784 of 1948. | M. C. *vs.* Abdulla Ali mahomed Bhoromia. | For ejectment, possession and arrears of ground rent. (contested) | Decree passed and further instructions from the E. A. & L. M. are awaited. |
| 9 | C.C.C. Suit No. 106 of 1949. | M. C. *vs.* Alimahomed Valimahomed Charolia. | For ejectment, possession and arreers of ground rent. (Contested) | Decree passed in favour of the Bombay Municipality and steps for executing the decree were taken and the same are in progress. |
| 10 | C.C.C. Suit No. 204 of 1949. | M. C. *vs.* Rubabbai ... | For property taxes ... | Decree Absolute for sale passed. |
| 11 | C.C.C. Suit No. 795 of 1949. | M.C. *vs.* Bai Malik Sultan Gulam Hussain. | For property taxes ... | Preliminary Decree passed and the party has promised to pay up the municipal claim within a short time. |
| 12 | C.C.C. Suit No. 828 of 1949. | Rose Mary Conceicao and others *vs.* M.C. | For a declaration that the Plaintiff are the owners of a certain piece of land at Bandra and for injunction and damages | Consent Decree taken. |
| 13 | C.C.C. Suit No. 880 of 1949. | M. C. *vs.* Jamietram Narbheram and others | For ejectment, possession and recovery of ground rent. (Contested) | Decree passed. The party was given time to vacate by 31-3-52. Since then possession of the premises has been taken. The court costs due under the Decree are being recovered. |
| 14 | C.C.C. Suit No. 881 of 1949. | M. C. *vs.* Shankerlal Chhabildas and others. | Do. ... | Decree passed and possession of the premises has since been taken. Court costs due under the Decree are being recovered. |
| 15 | C.C.C. Suit No. 1096 of 1949 | M. C. *vs.* Penoobhai Bhagatbhaj. | For property taxes ... | Preliminary Decree passed and steps for decree Absolute for Sale were taken. Meantime the party has paid up the claim. |
| 16 | C.C.C. Suit No. 1599 of 1949 | M. C. *vs.* Sugrabai ... | Do. ... | Decree Absolute for sale passed. |
| 17 | C.C.C. Suit No. 1759 of 1949 | M. C. *vs.* Rajaballi P. Ebrahim. | For ejetment, possession and arrears of rent. | Decree passed on 31-1-50 and in execution proceedings taken thereunder, vacant possession of the plot was obtained by evicting the tenants. The municipal claim has been realised except a small balance due which is being paid by instalments. |
| 18 | C.C.C. Suit No. 1818 of 1949 | M. C. *vs.* Nanjibhai Ladha. | For ejectment, possession and arrears of rent. (Contested) | Decree passed and execution proceedings were taken as a result of which possession of the plot was obtained by evicting the tenants. The decretal amount is being adjusted against the deposits. |
| 19 | C.C.C. Suit No. 1968 of 1949 | M. C. *vs.* Ebrahim Abdulla. | For property taxes ... | Decree Absolute for Sale passed. |
| 20 | H.C. Suit No. 169 of 1950 ... | Keshavji Devsey *vs.* M.C. ... | For a declaration that the Plaintiff is the owner of the land trespassed upon by the Defendants, for injuction to demolish the chawl constructed thereon and for possession of land. (Contested) | Suit pending. |
| 21 | C.C.C Suit No. 731 of 1950. | M. C. *vs.* Babu Kalicharandas. | For property taxes ... | Decree Absolute for Sale passed. |
| 22 | C.C.C. Suit No. 794 of 1950. | M. C. *vs.* Mahomed Umar. | For ejectment, possession and recovery of arrears of rent and compensation. (Contested) | Decree was passed and the Defendant was given time by the Court to vacate within six months. As he has failed to do so steps in execution of the Decree for recovery of possession are taken and the same are in progress. |
| 23 | C.C.C. Suit No. 795 of 1950. | M. C. *vs.* Jainabai ... | Do. ... | Decree was passed whereby the defendant was ordered to vacate and deliver vacant possession of the premises in Suit. As she failed to do so, steps in execution of the Decree for recovery of possession were taken and the same are in progress. |
| 24 | C.C.C. Suit No. 800 of 1950. | M. C. *vs.* S. A. R. Hosseini. | For ejectment possession and recovery of arrears of rent and compensation. (Contested) | Decree was passed whereby the defendant was ordered to vacate within 6 months but as he failed to do so, steps in execution of the Decree for recovery of possession were taken and the same are in progress. |

| Serial No. | Suit No. | Name of parties | Nature of suit | Remarks |
|---|---|---|---|---|
| 25 | C.C.C. Suit No. 835 of 1950. | M. C. *vs.* Ibrahim Haji Abdulla and Mahomed Zakeria Molvi Mahomed Issaq. | For a declaration that the Decree passed by the S. C. Court was binding on the defendant and that the defendant was not entitled to resist the execution thereof and that the defendant was liable to be evicted and for delivery of possession and recovery of rent and compensation. (Contested) | Decree was passed and the Defedant was ordered to vacate by 30-9-51. As he failed to do so, steps in execution of the Decree for recovery of possession were taken as a result of which vacant possession of the plot had been obtained. Thereafter one Mahomed Zakeria Molvi Mahomed Issaq who claimed to be in lawful possession of the premises made two applications to the Court, one for an order that his complaint of dispossession against the Corporation be investigated by Court and the other for restoration of premises to him. Both the applications were opposed by the Municipality and the same were dismissed with costs. |
| 26 | H.C. Suit No. 1037 of 1950. | H. B. Warden *vs.* M. C. | For damages alleged to have been suffered by the Plaintiff on account of the prosecution by the Defendants for adulteration of Ghee. (Contested) | Suit pending. |
| 27 | H.C. Suit No. 1247 of 1950. | R. N. Patankar *vs.* M. C. | For damages on account of the death of the Plaintiffs son caused by an accident by the Municipal mobile cinema van. (Contested) | Suit pending. |
| 28 | C.C.C. Suit No. 1358 of 1950 | M. C. Vs. New Citizen Bank. | For ejectment and recovery of possession and compensation (contested). | Decree was passed and thereafter by subsequent arrangement made, the party had agreed to deliver vacant possession of the plot by 31-10-52. Further instructions, if any, will be given to the Solicitor to Corporation in the matter. |
| 29 | C.C.C. Suit No. 1648 of 1950 | N. A. Desai Vs. M.C. ... | For damages on account of alleged wrongful dismissal of the Plaintiff from the Kurla Borough Municipality. | Suit pending. |
| 30 | C.C.C. Suit No. 1767 of 1950 | M. C. *vs.* Taru Jethmal,.. | For recovery of possession, taxes rent and compensation. | Decree was passed and execution proceedings were taken out as a result of which possession was taken and the municipal claim under the Decree was fully realised |
| 31 | C.C.C. Suit No. 1982 of 1950 | M. C. *vs.* M. S. Trivedi and Another | For recovery of property taxes. | Preliminary Decree passed. |
| 32 | C.C.C. Suit No. 1983 of 1950 | M. C. *vs.* Sitaram R. Redij and others. | Do. ... | Preliminary Decree passed and steps for Decree Absolute for sale are taken. |
| 33 | (*i*) C.C.C. Suit No. 181 of 1951. | Jethalal Nagji Shah *vs.* M. C. | For recovery of the sum of Rs. 14,517-10 0 alleged to have been wrongly paid by the Corporation into the Reserve Bank of India pursuant to the Notice received from the Excess Profit Tax Officer. | Suit was allowed to be dismissed with costs. |
| | (*ii*) H. C. Appeal No. 481 of 1952. | Do. ... | Appeal against the order made in the above. | Appeal is pending. |
| | (*iii*) H. C. Appeal No. 482 of 1954. | M. C. *vs.* The Union of India. | Appeal against the order made on the third party notice in the above | Appeal is pending. |
| 34 | C.C.C. Suit No. 573 of 1951. | M. C. *vs.* A. K. Irani ... | For recovery of property taxes. | Suit pending. |
| 35 | C.C.C. Suit No. 577 of 1951. | Janabai Gunya and Another *vs.* M. C. | For a declaration that the Plaintiffs as vatandar mahars of the village Andheri are entiled to remove the carcasses and skins of the dead animals in the village of Andheri and for permanent injunction against the Defendants preventing them from proceeding to sell the right to skin the carcasses of dead animals in the village of Andheri and from interfering with the property and rights of the Planitiffs in and to the skins and carcasses of all the dead animals in the said village. | Do. |

| Serial No. | Suit No. | Name of parties | Nature of suit | Remarks |
|---|---|---|---|---|
| 36 | C.C.C. Suit No. 587 of 1951. | Janabai widow *vs.* M. C. | Do. ... (village Bandivli). | Suit pending. |
| 37 | C.C.C. Suit No. 588 of 1951. | Mahadev Gunya Madhvi *vs.* M. C. | Do. (village Mogra). | Do. |
| 38 | C.C.C. Suit No. 589 of 1951. | Dagdu Genu Madhvi *vs.* M. C. | Do. (village Vile Parle). | Do. |
| 39 | C.C.C. Suit No. 688 of 1952. | Keru Sakharam Madhvi *vs.* M. C. | Do. (In respect of villages "Kurla" and Asalpa") | Do. |
| 40 | C.C.C. Suit No. 803 of 1952. | Dhondu Govind Madhvi *vs.* M. C. | Do. (In respect of village "Kolikalyan") | Do. |
| 41 | C.C.C. Suit No. 668 of 1951. | Gopinath Sitaram Deshpande *vs.* M. C. | For a declaration that the Resolution No. S. 72 of the Government of Bombay in the Educational Deptt. and the orders contained therein are binding on the Defendants and for recovery of total salary and other reliefs. | Do. |
| 42 | C.C.C. Suit No. 738 of 1951. | Shankar Bhawoo *vs.* M.C. | For recovery of possession, arrears of rent and taxes. | Consent Decree was passed and thereafter the party had delivered possession as also paid up the municipal claim. |
| 43 | C.C.C. Suit No. 826 of 1951. | M. C. *vs.* Jay alias Jayantilal | For recovery of possession taxes rent and compensation. | Decree was passed and in execution of the said decree possession of the plot was obtained. Thereafter under a settlement arrived at between the parties, the municipal claim as settled and sanctioned by the S. C. was fully realised. |
| 44 | C.C.C. Suit No. 827 of 1951. | M. C. *vs.* Mrs. Emily Gonsalves. | Do. | Decree was passed and in execution of the said decree possession of the property in suit was obtained. Further proceedings were taken in Insolvency as a result of which the party was adjudged an Insolvent. The Insolvency proceedings are pending. Substantial amount has been recovered from the party and a small balance now due will be realised in the said proceedings. |
| 45 | (*i*) Petition Re. Bhimabai H. Rane Decd. (H. C. Suit No. 12 of 1950). | The Administrator General of Bombay *vs.* P. G. Raut and others. | For grant of letters of Administration with the will annexed in respect of "Rane Building" at Charni Road bequeathed to the Corporation under the Will left by Bhimabai. | Caveat filed by the defendants was dismissed. |
| | (*ii*) H.C. Appeal No. 12 of 1952 Suit No. 12 of 1950. | P. G. Raut and ors. *vs.* The Administrator General of Bombay. | Appeal against the order made in the above dismissing the caveat. | Appeal dismissed with costs. |
| | (*iii*) H.C. Petition No. 545 of 1950. Suit No. 12 of 1952. | The Administrator General *vs.* Indumati G. Raut. | This was an application made on behalf of the Administrator General of Bombay for an order that the caveat filed by the caveatrix be rejected and removed from the file of the Court and that the Letters of Administration be issued to the petitioner the Administrator General, forthwith. | An order was made whereby the caveat of the Caveatrix was rejected and removed from the file of the Court and Letters of Administration with the Will annexed were ordered to be issued to the Administrator General forthwith. |
| 46 | C.C.C. Suit No. 1071 of 1951 | M. C. *vs.* Brijkumar Baboolaljee. | For recovery of arrears of rent and taxes. | As the party paid up the Municipal claim, the suit was allowed to be dismissed. |
| 47 | C.C.C. Suit No. 1095 of 1951 | M. C. *vs.* Narsingoo B. Raipelli. | For recovery of possession, arrears of rent and taxes. | Consent Decree was passed whereby the Defendant was ordered to vacate on or before the 30th April 1952. As he failed to do so, execution proceedings were taken out as a result of which part possession of the property has been taken and further proceedings for recovery of the full possession and decretal amount are in progress. |
| 48 | H.C. Suit No. 1185 of 1951. | Ratans Champsi and ors. *vs.* M. C. | For a declaration, Injunction and Damages. | Suit pending. |
| 49 | C.C.C. Suit No. 1421 of 1951 | M. C. *vs.* E. M. Joseph and ors. | For recovery of possession, arrears of rent and taxes. | Decree was passed against the first Defendant. Suit is pending as against defendants Nos. 2 and 3. In execution of the decree, possession of Room No. 2 has been taken and the occupants of the rest of the rooms have given an undertaking to vacate by 30-4-1953. |
| 50 | C.C.C. Suit No. 2186 of 1951 | M. C. *vs.* Tayaballi Sulemanji. | Do. ... | Consent Decree passed whereby the defendant was ordered to vacate and deliver possession. As he failed to do so execution proceedings have been taken out. |
| 51 | C.C.C. Suit No. 2155 of 1951 | M. C. *vs.* Shantaram Ramchandra. | Do. | Decree passed. Instructions as to further action to be taken are awaited from the Department. |

| Serial No. | Suit No. | Name of parties | Nature of suit | REMARKS |
|---|---|---|---|---|
| 52 | C.C.C. Suit No. 2712 of 1951 | M. C. *vs.* Lala Meghraj Banwarilal. | Do. | Decree was passed and part possession of the premises was taken in execution. The occupants of the rest of the premises have given an under-taking in writing to vacate by 30-4-1953. |
| 53 | C.C.C. Suit No. 3030 of 1951 | M. C. *vs.* Mahadeo Manohar Shastri & ors. | For recovery of property taxes. | Suit pending. The party has paid substantial amount and has promised to pay up the balance. |
| 54 | C.C.C. Suit No. 3079 of 1951 | M. C. *vs.* Badruddin Karimbhoy & ors. | For an injunction, possession and mesne profits. | Consent Decree passed and in terms thereof the possession of the property has been taken over by the Corporation with powers to recover rents and profits thereof. |
| 55 | C.C.C. Suit No. 3139 of 1951 | Francis John D'soza *vs.* Municipal Commissioner. | For certain declaration and perpetual injunction. | Suit pending. |
| 56 | C.C.C. Suit No. 3140 of 1951 | Bhaiya Dina Umrao *vs.* M. C. | Do. ... | Do. |
| 57 | C.C.C. Suit No. 3141 of 1951 | Miya Imam Ismail *vs.* M. C. | Do. ... | Do. |
| 58 | C.C.C. Suit No. 3142 of 1951 | Feku Prithuraj ... | Do. ... | Do. |
| 59 | C.C.C. Suit No. 33 of 1952. | M.C. *vs.* Jiva Devsi ... | For recovery of possession, arrears of rent and taxes. | Consent Decree was passed. Thereafter the party was adjudged an Insolvent Negotiations for recovery of the decretal amount are pending with the Official Assignee. |
| 60 | H.C. Mis. No. 77 of 1952 ... | Thakorelal Gordhandas Shah *vs.* M. C. | For issuing a Writ of mandamus or a Writ under the constitution of India to grant permission to work the flour mill and for injunction etc. | Petition was dismissed with costs. |
| 61 | C.C.C. Suit No. 188 of 1952. | M. C. *vs.* Abdulla Habib and ors. | For recovery of property Taxes. | Preliminary Decree passed. |
| 62 | H. C. Misc. Petition No. 309 of 1952 | Yesu Dhondu Pawar *vs.* M. C. and ors. | For issue of a Writ of mandamus and a Writ of Prohibition and Injunction against removing the hut of the Petitioner at Dabholkar Adda, Parel Tank Road. | No order was made on the Petition. |
| 63 | C.C.C. Suit No. 315 of 1952. | M. C. *vs.* Mahomed Hashim. | For recovery of possession etc. | Consent Decree passed. |
| 64 | H.C. Misc. Petition No. 319 of 1952. | Narayan Ambaji Tumma *vs.* M. C. & ors. | For issue of a Writ of mandamus and writ of Prohibition and injunction against removing the hut of the Petitioner at Gandhinagar, Ferguson Road. | No order was made on the Petition. |
| 65 | H.C. Misc. No. 332 of 1952. | Mohimuddin N. Munshi *vs.* M. C. & Anr. | For issue of a Writ of mandamus and Writ of Prohibition and injunction against removing the huts at Gandhinagar, Prem Nagar, Worli Village; Dabholkar Adda etc., in respect of which notices under Sec. 380 and 488 of the Municipal Act were issued. | Petition was dismissed on a Preliminary point raised on behalf of the Corporation at the hearing that the Petitioner who was a member of the Corporation had no interest or right in the said huts and therefore in his personal capacity he was not entitled to proceed with the Petition. |
| 66 | C.C.C. Suit No. 402 of 1952. | M. C. *vs.* Shankar Atmaram Mantri & ors. | For recovery of property Taxes. | Suit pending. |
| 67 | C.C.C. Suit No. 568 of 1952. | M. C. *vs.* R. M. Kewalramani. | For recovery of possession, arrears of rent and taxes. | Suit pending. |
| 68 | C.C.C. Suit No. 569 of 1952. | M. C. *vs.* Manilal Gangadas Patel. | Do. ... | Consent Decree passed whereby the party has been asked to vacate by 31-5-54. |
| 69 | C.C.C. Suit No. 590 of 1952. | M. C. *vs.* Hindustan Leather Industries Ltd. | For recovery of the balance due under a contract for disposal of carcasses of dead animals. | Suit pending. |
| 70 | C.C.C. Suit No. 598 of 1952. | M. C. *vs.* Ramanlal Gangashankar Pandya. | For recovery of possession, arrears of rent and taxes. | Decree was passed. As the defendant failed to deliver possession execution was taken out and the proceedings in execution are in progress. |
| 71 | C.C.C. Suit No. 829 of 1952. | Abdul Satar Abdul Gani *vs.* M. C. | Suit for a declaration that the defendants are not entitled in law to execute the decree and/or the Writ of possession issued by the court against the Plaintiff and forcibly evict him from the suit premises and for injunction costs and other reliefs. | The suit was withdrawn at the hearing with permission to file a fresh suit. |
| 72 | C.C.C. Suit No. 830 of 1952. | Usuf Suleman Bhatiawala *vs.* M. C. | Do. ... | Do. |
| 73 | C.C.C. Suit No. 831 of 1952. | Bachoo Haji Jusub *vs.* M. C. | Do. ... | Do. |
| 74 | C.C.C. Suit No. 832 of 1952. | Ibrahim Suleman *vs.* M. C. | Do. ... | Do. |

| Serial No. | Suit No. | Name of parties | Nature of suit | Remarks |
|---|---|---|---|---|
| 75 | C.C.C. Suit No. 833 of 1952. | Sultan Ahmed Bashir Ahmed *vs.* M. C. | Do. ... | The suit was withdrawn at the hearing with permission to file a fresh suit. |
| 76 | C.C.C. Suit No. 834 of 1952. | Gancni Mussa Ali *vs.* M. C. | Do. ... | Do. |
| 77 | C.C.C. Suit No. 835 of 1952. | Mahomed Zakeria Molvi Mahomed *vs.* M. C. | Do. ... | Do. |
| 78 | C.C.C. Suit No. 884 of 1952. | M. C. *vs.* Parasram Parumal and Anr. | For recovery of possession, arrears of rent and taxes. | Suit pending. |
| 79 | H.C. Suit No. 915 of 1952. | Kashinath Waman Tilloo *vs.* M. C. | Suit for damages in respect of dismissal of the Plaintiff who was in the service of the Corporation as an Assistant teacher in the Nirgude Municipal Marathi Primary School. | Suit pending. |
| 80 | C.C.C. Suit No. 950 of 1952. | M. C. *vs.* Hiralal Karson. | For recovery of possession, arrears of rent and taxes. | Consent Decree was passed and the party has delivered possession of the premises as ordered by the Court. As regards recovery of the decretal amount further instructions are awaited from the deaprtment. |
| 81 | C.C.C. Suit No. 951 of 1952. | M. C. *vs.* Namdev Keshav | For arrears of taxes. | Preliminary decree passed. |
| 82 | C.C.C. Suit No. 1232 of 1952 | M. C. *vs.* Pascal Victor... | For recovery of possession, arrears of rent mesne profits and taxes | Suit pending. |
| 83 | C.C.C. Suit No. 1269 of 1952 | M. C. *vs.* Bai Mamoolabai. | For arrears of taxes. ... | Suit pending. The party has paid substantial amount and has promised to pay up the balance. |
| 84 | C.C.C. Suit No. 1270 of 1952 | M. C. *vs.* Dharma Krishna. | Do. ... | Preliminary decree passed. |
| 85 | C.C.C. Suit No. 1285 of 1952 | Noor Mahomed Fakir Mahomed *vs.* M. C. | For allowing the petitioner to file a suit in forma pauparies, for returning to the petitioner the articles menticned in the Plaint and for recovery of a sum of Rs. 4,000. | Suit pending. |
| 86 | C.C.C. Suit No. 1476 of 1952 | M. C. *vs.* Madho Ram Karamchand. | For recovery of possession, arrears of rent and taxes. | Consent decree passed as a result of which the defendant has been ordered to vacate on or before the 31st March 1955. |
| 87 | C.C.C. Suit No. 1493 of 1952 | M. C. *vs.* M. H. Patel and Ors. | For arrears of taxes. | Suit pending. |
| 88 | C.C.C. Suit No. 1618 of 1952 | M.C. *vs.* Bai Kulsumbai. | Do. ... | Preliminary Decree passed. |
| 89 | C.C.C. Suit No. 1623 of 1952 | M. C. *vs.* Pohumal T. Kirpalani. | For recovery of arrears of rent and taxes. | Suit pending. |
| 90 | C.C.C. Suit No. 1641 of 1952 | M. C. *vs.* A. S. Moti and ors. | For arrears of taxes. | The claim is paid up. |
| 91 | C.C.C. Suit No. 1643 of 1952 | M.C. *vs.* D. K. Bengali. | For arrears of taxes. ... | Suit pending. The party has paid substantial amount and has promised to pay up the balance of claim. |
| 92 | C.C.C. Suit No. 1740 of 1952 | M.C. *vs.* R. D. Kapadia. | For recovery of possession, arrears of rent and taxes. | Suit pending. |
| 93 | C.C.C. Suit No. 1767 of 1952 | M. C. *vs.* Sadhusingh Kesarsingh. | Do. ... | Do. |
| 94 | C.C.C. Suit No. 1768 of 1952 | M. C. *vs.* Nagesh Yawalkar. | Do. ... | Do. |
| 95 | C.C.C. Suit No. 1877 of 1952 | Anthony Devassy and ors *vs.* Kapildev & ors. | For mandatory injunction against the Corporation to revoke the License granted by them to the 1st defenddant for erection and working of flour mill at Nawaz buildng, 10, Tullock Road and for injunction against the 1st defendant restraining him from continunuing to work the said mill by himself or his agents. | Do. |
| 96 | C.C.C. Suit No. 1901 of 1952 | M. C. *vs.* Mulji Jairam Rangwala. | Suit in respect of set back land at Chinch Bunder Road. | Consent decree taken. |
| 97 | C.C.C. Suit No. 1979 of 1952 | M. C. *vs.* Fatmabai Dawaniwalla. | For arrears of taxes. ... | Suit pending. |
| 98 | C.C.C. Suit No. 2061 of 1952 | M. C. *vs.* Bai Banoobai... | For recovery of possession arrears of rent and taxes. | Suit pending. |
| 99 | C.C.C. Suit No. 2063 of 1952 | M. C. *vs.* Virji Ladha ... | Suit in respect of set back land at Chinchbunder Road. | Suit was withdrawn. |
| 100 | C.C.C. Suit No. 2101 of 1952 | M. C. *vs.* V. D. Dhotre... | For arrears of taxes. ... | As the party paid up the claim in suit, the suit was allowed to be dismissed. |
| 101 | C.C.C. Suit No. 2158 of 1952 | M. C. *vs.* D. S. Thakore. | For recovery of possession and arrears of mense profits. | Consent Decree passed. The defendant is ordered to vacate on or before 31-12-54. |
| 102 | C.C.C. Suit No. 2168 of 1952 | M. C. *vs.* Jankidas ... | For recovery of possession, arrears of rent and taxes. | Suit pending. |
| 103 | C.C.C. Suit No. 2421 of 1952 | M. C. *vs.* Gulam Hussein | Do. ... | Do. |

| Serial No. | Suit No. | Name of Parties. | Nature of suit. | Remarks. |
|---|---|---|---|---|
| 104 | C.C.C. Suit No. 2433 of 1952 | M. C. *vs.* Karnayalsingh S. Bhatti. | Do. ... | Suit pending. |
| 105 | C.C.C. Suit No. 2489 of 1952 | M. C. *vs.* Sheshnath Vishnu | For arrears of taxes. | Suit pending. |
| 106 | C.C.C. Suit No. 2718 of 1952 | M. C. *vs.* Purshottam Damodar. | Do. ... | Suit pending. The party is paying the claim in suit by instalments. |
| 107 | C.C.C. Suit No. 2719 of 1952 | M. C. *vs.* R.W.I. Turf Club Ltd. | For recovery of possession and arrears of rent and taxes. | Decree passed. |
| 108 | C.C.C. Suit No. 2720 of 1952 | M. C. *vs.* Noormahomed Piraji. | Do. ... | Suit pending. |
| 109 | C.C.C. Suit No. 2842 of 1952 | M. C. *vs.* Gyanchand Ruplal. | For arrears of taxes. ... | Suit pending. |
| 110 | C.C.C. Suit No. 2845 of 1952 | Parmila *vs.* M. C. ... | For a declaration of vesting of the tenancy and that notice and order are not binding and for stay of execution injunction etc. | Suit pending. |
| 111 | C.C.C. Suit No. 3057 of 1952 | M. C. *vs.* M. E. Oomerigar. | For recovery of possession, arrears of rent and taxes. | Decree passed. |
| 112 | C.C.C. Suit No. 3058 of 1952 | M.C. *vs.* Hariram Nanji. | Do. ... | As the defendant has cleared up all the arrears, the suit is allowed to be dismissed. |
| 113 | C.C.C. Suit No. 3177 of 1952 | M. C. *vs.* Madhavdas Vallabhdas. | For arrears of taxes ... | Suit pending. |
| 114 | C.C.C. Suit No. 3200 of 1952 | Messrs. Kamani Engineering Corporation Ltd., *vs.* M.C. | Suit for refund in respect of riot tax. | Suit pending. |
| 115 | C.C.C. Suit No. 3201 of 1952 | Messrs. Kamani Metal & Alloys Ltd. *vs.* M.C. | Do. ... | Do. |
| 116 | C.C.C. Suit No. 3219 of 1952 | Babu S/o Ayatu *vs.* A. K. Irani and others. | For a declaration, injunction and recovery of mesne profits and costs. | Do. |
| 117 | C.C.C. Suit No. 3359 of 1952 | M. C. *vs.* Peter Luis and others. | For arrears of property taxes. | Do. |
| 118 | C.C.C. Suit No. 3369 of 1952 | M. C. *vs.* Laburam Fakirchand. | For recovery of possession, arrears of rent mesne profits and taxes | Do. |
| 119 | C.C.C. Suit No. 3501 of 1952 | M. C. *vs.* Lilbai ... | Suit in respect of setback land at Chinch Bunder Road. | Do. |
| 120 | C.C.C. Suit No. 196 of 1953 | M. C. *vs.* Hasham Miyan Haji Patel. | For arrears of property taxes. | Do. |
| 121 | C.C.C. Suit No. 208 of 1953 | M. C. *vs.* His Holiness Sardar Sayadanu. | For arrears of property taxes. | Do. |
| 122 | C.C.C. Suit No. 209 of 1953 | M. C. *vs.* Jusab Noor Mahomed Mistry and others. | Do. ... | Do. |
| 123 | C.C.C. Suit No. 210 of 1953 | M. C. *vs.* Jenabai Gool Mahomed. | Do. ... | Do. |
| 124 | C.C.C. Suit No. 214 of 1953 | M. C. *vs.* Dr. Narandas Mansukhani. | For possession and recovery of damages for wrongful use and occupation. | Decree passed. |
| 125 | C.C.C. Suit No. 228 of 1953 | M. C. *vs.* Joosab Nurmahomed and others. | For arrears of property taxes. | Suit pending. |
| 126 | C.C.C. Suit No. 275 of 1953 | M. C. *vs.* Parashnath Chandrakant. | Do. ... | Do. |
| 127 | C.C.C. Suit No. 276 of 1953. | M. C. *vs.* Rahemabai widow of Mahomed Aba Juma and others. | Suit for recovery of water charges. | Do. |
| 128 | C.C.C. Suit No. 465 of 1953 | M. C. *vs.* Joosab Nur Mahomed Mistry and others. | For arrears of property taxes. | Do. |
| 129 | C.C.C. Suit No. 466 of 1953 | M. C. *vs.* Tulsidas Haridas. | Do. ... | Do. |
| 130 | C.C.C. Suit No. 648 of 1953 | M. C. *vs.* Kamruddin Mulla Yahyabhai Kothari. | Do. ... | Do. |

# EDUCATIONAL

## PRIMARY EDUCATION DEPARTMENT OF THE MUNICIPAL CORPORATION OF GREATER BOMBAY

### I.—Education Officer.

1. The Education Officer

Smt. Kapila T. Khandvala, B.A., B.T. (Bom.), M.A. (U.S.A.), J.P., continued to hold the office of the Education Officer throughout the year.

### II.—Municipal Schools, Pupils and Teachers.

2. Municipal Schools and Classes

The total number of Municipal Schools and Classes at the beginning of the year, *i.e.*, on 1st April 1952 and at the end of the year, *i.e.*, on 31st March 1953 is given below :—

| | 1951-52 | | | 1952-53 | | |
|---|---|---|---|---|---|---|
| | City | Suburbs | Total | City | Suburbs | Total |
| Schools ... | 357 | 101 | 458 | 351 | 93 | 444 |
| Classes ... | 23 | 2 | 25 | 29 | 14 | 43 |

The following changes took place in the number of Schools and classes during the course of the year :—

| | City | Suburbs | Total |
|---|---|---|---|
| (1) Number of Schools and Classes opened ... | 2 | 6 | 8 |
| (2) Number of Schools converted into Classes ... | 5 | 8 | 13 |
| (3) Number of Schools and Classes amalgamated ... | 1 | ... | 1 |
| (4) Number of Schools closed ... | 1 | 2 | 3 |

The total number of Upper Primary (including Vocational) and Lower Primary Schools was 191 and 253 respectively as against 188 and 270 during the preceding year. The number of Classes increased to 43 from 25 at the beginning of the year mainly due to the conversion of 13 Schools into Classes on account of a fall in the number of pupils attending those schools.

The scheme of amalgamation of schools and co-education introduced during the year 1949 with a view primarily to effecting economy and fostering feelings of fraternity among the pupils worked well. The working of the amalgamated schools was found to be smooth and efficient. The teachers and the pupils worked in harmony and co-operation.

3. Pupils in Municipal Schools

The total number of pupils on the rolls on 31st March 1953 in the Municipal Schools in Greater Bombay stood at 1,75,104 (1,48,131 in the City Schools and 26,973 in the Suburban Schools). The number of pupils in the Lower Primary Classes was 1,37,910 (1,15,245 in the City and 22,665 in the Suburbs) and the number of pupils in Upper Primary Classes was 37,194 (32,886 in the City and 4,308 in the Suburbs). In spite of restrictions on the admission of children below six, imposed due to the introduction of the four year curriculum, there was a net increase of 5,015 pupils (3,451 in the City Schools and 1,564 in the Suburban Schools) during the year. The highest number on the rolls in the Municipal Schools was 1,90,090 (1,60,515 in City Schools and 29,575 in the Suburban Schools) at the end of July 1952. The number fell to 1,75,104 at the end of March 1953. The average number of pupils throughout the year was, 1,83,362 (1,55,089 in the City Schools and 28,273 in the Suburban Schools). The fall in the number of pupils at the end of the year as compared to the figure of July 1952 was mainly due to (1) the restriction on the admission of fresh pupils after 15th September, (2) striking off the names of pupils on account of continuous absence and (3) the migratory nature of the labour population.

The following table gives comparative figures of Municipal Schools and Pupils therein at the end of March 1952 and March 1953 :—

**Municipal Schools and Pupils.**

| Class of Schools | No. on 31st March 1952 | | No. on 31st March 1953 | |
|---|---|---|---|---|
| | Schools | Pupils | Schools | Pupils |
| *City* | | | | |
| Marathi Schools | ... 152+4 Classes | 87,838 | 151+5 Classes | 92,321 |
| Gujarati Schools | ... 65+9 Classes | 24,235 | 66+9 Classes | 25,251 |
| Urdu Schools | ... 76+9 Classes | 19,798 | 73+12 Classes | 18,625 |
| Hindi Schools | ... 29 | 7,752 | 29 | 7,274 |
| Tamil, Telugu, Kanarese, Malayalam etc. Schools. | ... 23 | 2,548 | 21+1 Class | 2,168 |
| English Primary Schools | ... 6+1 Class | 1,100 | 5+2 Classes | 1,046 |
| Sindhi Schools | ... 6. | 1,409 | 6 | 1,446 |
| Total | ...357+23 Classes | 1,44,680 | 351+29 Classes | 1,48,131 |
| *Suburbs* | | | | |
| Marathi Schools | ... 53 | 15,094 | 50+4 Classes | 16,690 |
| Gujarati Schools | ... 21 | 3,795 | 19+4 Classes | 4,109 |
| Urdu Schools | ... 14+1 Class | 2,807 | 14+1 Class | 2,801 |
| Hindi Schools | ... 7+1 Class | 1,969 | 7+3 Classes | 2,071 |
| South Indian Schools (Tamil Schools) | ... 1 | 66 | 2 Classes | 111 |
| Sindhi Schools | ... 5 | 1,678 | 3 | 1 191 |
| Total | ...101+2 Classes | 25,409 | 93+14 Classes | 26,973 |
| Grand Total for Greater Bombay | ...458+25 Classes | 1,70,089 | 444+43 Classes | 1,75,104 |

**4. Teachers in Municipal Schools**

The total number of teachers, permanent and non-permanent, as on 31st March 1953 was as follows:—

| | City | Suburbs | Total |
|---|---|---|---|
| Ordinary permanent teachers ... | 3,399 | 651 | 4,050 |
| Ordinary non-permanent teachers ... | 562 | 88 | 650 |
| Total number of ordinary teachers ... | 3,961 | 739 | 4,700 |
| Special teachers including Part-time ... | 176 | 3 | 179 |
| Grand Total ... | 4,137 | 742 | 4,879 |

At the end of the year there were 3,961 ordinary teachers imparting instruction to 1,48,131 pupils in the City Schools as against 3,802 teachers giving instruction to 1,44,680 pupils at the beginning of the year ;while in the Suburban Schools 739 ordinary teachers were imparting instruction to 26,973 pupils at the end of the year as against 715 for 25,409 pupils at the beginning of the year. 326 new teachers were recruited during the year on account of the increase in the number of pupil.

Out of the 3,961 ordinary teachers in the City 3,484 were trained and 477 were untrained. The percentage of trained teachers to the total number of teachers was 88. In the Suburban Schools out of 739 ordinary teachers 586 were trained and 153 untrained giving about 79.3 as the percentage of trained teachers. The statement showing the number of trained, untrained, permanent and temporary teachers on the different side is given in Appendix 'A'

**5. Visits to Schools**

The Education Officer and the Supervising Officers paid visits to the schools as usual. For better and more effective supervision, one Supervisor was appointed for the Gujarati Schools from 1st September 1952. The Supervising Officers paid educational and surprise visits to schools and made useful suggestions to teachers to improve efficiency in teaching and discipline.

**6. Pupils' Progress**

The curriculum was divided month by month at the beginning of the year and distributed to the schools for the guidance of teachers. Teaching Aids for different subjects were supplied to all schools to help the teachers in their day-to-day work. The teachers themselves also prepared teaching aids like maps, charts, pictures, models etc., under the guidance of the Head-teachers and the Supervising Officers, with a view to making teaching more practical, easier and realistic. Hindi, the National Language, was taught in the Upper Primary Classes. Teachers' Diaries, Progress Cards and Progress Registers were maintained in all schools. The Progress Cards were forwarded to the parents at the end of each month with a view to keeping them informed of the progress, conduct and attendance of their children. Leaflets giving useful information on school terms, admission to schools, rules for the Double Promotion Examination of pupils etc., were distributed to the parents for information. Pupils of the Lower Primary Classes were subjected to weekly tests and the marks obtained were entered in their Progress Cards, on the

strength of which they were promoted to higher classes at the end of the academic year. Facilities were given by the Department to intelligent pupils to cover the course of two standards in one year, by allowing them to appear at the Double Promotion Examination held in July 1952. Of the 1659 pupils who appeared at the Double Promotion Examination, 1356 were successful giving a percentage of 82. The successful pupils were allowed to attend the higher classes and to appear at the Annual Examination of these classes held in April 1953. Pupils of Standards I to III were not subjected to the annual examination but were promoted to higher standards on the strength of their progress throughout the year. Written examinations of pupils of Standards IV to VII were held in the months of March and April 1953.

A Committee of Officers and representatives of the Municipal Teachers' Federation and the Headteachers' Association was appointed at the beginning of the year to examine and suggest necessary changes in the conduct of Weekly Tests, the Double Promotion Examination and Annual Examinations. The Committee examined the question in detail and made useful recommendations. The recommendations of the Committee were scrutinised in detail by a Joint Meeting of the members of the Committee and the other Supervisory Officers of the Department and the following recommendations were adopted :—

(1) The pupils of all standards should be subjected to fortnightly tests instead of weekly tests.

(2) The pupils of Standards I to III should be promoted to the higher standards at the end of the year on the results of the fortnightly tests throughout the year.

(3) The Double Promotion Examination should be abolished and very intelligent pupils should be given accelerated promotion after testing them.

(4) A Central Board of eight members including representatives of the Teachers' Federation and the Headteachers' Association should be constituted for the conduct of Annual Examinations by the Education Officer and the Board was authorised to frame rules for the conduct of the examinations.

The Annual Examinations held in March/April 1953 were accordingly conducted by the Central Board of Examination with the Education Officer as its Chairman. The Board invited questions from the teachers of all sides and selected the questions from amongst those that were sent by the teachers. The examination was conducted at selected centres under the supervision of the officers and the answer books were assessed by selected teachers at fixed centres. The following table gives details of the results of the Annual Examination held in March/April 1953 :—

| Standard | No. of Pupils | | | | | | Total No. of Pupils | | |
|---|---|---|---|---|---|---|---|---|---|
| | City | | | Suburbs | | | | | |
| | Appeared | Promoted | Percentage of results | Appeared | Promoted | Percentage of results | Appeared | Promoted | Percentage of results |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| I ... | 38,448 | 26522 | 69 | 8,917 | 5,862 | 66 | 47,365 | 32,384 | 68 |
| II ... | 25,823 | 21,678 | 84 | 5,582 | 4,569 | 82 | 31,405 | 26,247 | 83 |
| III ... | 20,746 | 18,700 | 90 | 4,284 | 3,595 | 84 | 25,030 | 22,295 | 89 |
| IV ... | 18,858 | 16,028 | 85 | 3,278 | 2,806 | 86 | 22,136 | 18,834 | 85 |
| V ... | 15,249 | 13,860 | 91 | 1,959 | 1,781 | 91 | 17,208 | 15,641 | 91 |
| VI ... | 9,726 | 9,099 | 94 | 1,360 | 1,302 | 96 | 11,086 | 10,401 | 94 |
| VII ... | 7,231 | 6,518 | 90 | 816 | 767 | 94 | 8,047 | 7,285 | 91 |
| Total ... | 1,36,081 | 1,12,405 | 83 | 26,196 | 20,682 | 79 | 1,62,277 | 1,33,087 | 83 |

The results of the Municipal Schools at the Primary Certificate Examination conducted by the Government of Bombay, Education Department, in April 1953, are given below : —

| Class of Schools | City | | | Suburbs | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Pupils appeared | Pupils passed | Percentage | Pupils appeared | Pupils passed | Percentage | Pupils appeared | Pupils passed | Percentage |
| Marathi ... | 5,502 | 2,592 | 47 | 677 | 324 | 48 | 6,179 | 2,916 | 47 |
| Gujarati ... | 958 | 363 | 38 | 82 | 38 | 46 | 1,040 | 401 | 39 |
| Urdu ... | 370 | 185 | 50 | 21 | 8 | 38 | 391 | 193 | 49 |
| Hindi ... | 159 | 111 | 70 | 11 | 4 | 36 | 170 | 115 | 67 |
| Total ... | 6,989 | 3,251 | 47 | 791 | 374 | 47 | 7,780 | 3,625 | 46 |

A supplementary examination for the pupils who could not appear at the Annual Examination either due to illness or other circumstances beyond their control will be held in the month of June 1953.

Some of the factors that hampered the progress of the pupils were (1) a top-heavy curriculum which imposed a heavy burden on the pupils and which even trained teachers found difficult to cope with in the time at their disposal, (2) the introduction of three terms in the academic year which broke up the continuity o studies, (3) the largeness of certain classes, (4) inadequate facilities for pupils to study at home and (5) lack of suitable school buildings etc.

The percentage of pupils promoted from Standard I was comparatively low because a large number of pupils who joined this class in the later part of the year, *i.e.*, in the months of July to September could not complete the prescribed course of study during the period at their disposal. The studies prescribed for Standard I in the existing Government Curriculum are heavy. The question of simplifying the curriculum inconsultation with the Government is engaging attention.

Another factor that hampered the progress of the pupils was division of the academic year into three terms. A good number of pupils put in very poor attendance in the first term which begins on 1st March. They leave the City much earlier than the Summer Vacation and return only in June losing thereby in studies during a substantial part of the first term of the academic year. Some of the pupils of the Upper Primary Classes also remove their names after the Annual Examinations with a view to avoiding the payment of fees during March April and May and seek fresh admission in June. The Corporation had requested Government to restore the two-term academic year as before. Government have now restored the old position from the ensuing year. This should help in the better education of the pupils. Another important impediment in the way of efficient instruction is the over crowding in schools following want of adequate accommodation. Thus a teacher has often to manage 50/60 pupils in a class . The new syllabus requires teaching to be done in detail with individual attention and this has not always been possible. Most of the school buildings are hired ones and have rooms of uneven size. This makes it difficult to accommodate an adequate number of pupils in schools having smaller rooms. A number of schools were being held in two sessions for want of sufficient accommodation. The holding of schools in two sessions, although resorted to as a matter of extreme necessity, is definitely inconvenient not only to the children and parents but also to the staff. Besides it also entails curtailment of teaching hours which in turn adversely affects the progress of education. These are evils which we must put up with until the primary problem of accommodation has been over come. A scheme for a regular programme of new school buildings is now under preparation.

**7. Text-Books**

As mentioned in the last year's report, Government have, in accordance with the provisions of Section 62-BB of the Bombay Municipal Corporation Act, assumed powers to give to the Corporation directions in respect of subjects, curricula, Text-books and standards of teaching in Primary Schools vesting in the Corporation or aided by the Corporation. Accordingly Government has given directions in Government Resolution, Education Department, No. TBK 1051, dated the 11th January 1952 regarding text-books for use in the Bombay Municipal Primary Schools for the period 1952-54; and the text-books specified by Government were introduced in the Municipal Schools from March 1952. The Education Committee approved of some additional books for use in subjects like Drawing, Hindustani etc., which could be used in our Municipal Schools in those subjects for the period 1952-54.

**8. Basic Education**

Two of our schools were converted into Basic Schools in 1949 with Spinning and Weaving as the Basic Craft, with a view to exploring the possiblities of implementing the Scheme in Municipal Schools. Experience so far gained in the running of the two Schools shows that it is not workable in a highly industrialised City like Bombay. It has not been possible to follow all the aspects of Basic Education as the basic Craft of Spinning is not suitable and teachers find it difficult to teach all subjects by linking them with the Craft adopted. In the beginning, the pupils showed some enthusiasm but subsequently lost interest as the Craft was not natural to their environment. The experience gained in both the Schools leads one to suggest that instead of converting ordinary schools into Basic schools, some of the principles of Basic Education should be adopted by introducing the teaching of Craft as a distinct craft and by organising studies on practical lines. It should be observed that Basic Education is not Easy to adopt in a City like Bombay. There are some important difficulties. The first and foremost is paucity of funds; for the requisitie Basic materials. The cost involved in converting our Municipal Schools into Basic Schools is heavy. The second is the paucity of Basic trained teachers and the third is the absence of suitable accommodation. It is, therefore, proposed to convert the two Basic Schools into ordinary Schools with the Crafts they have as one of the subjects of study, from the ensuing academic year.

**9. The Byculla Education Centre**

With the advent of freedom and with the increase in responsibilities of Educational Departments it was thought desirable to modernise our education in such a way as to have the greatest benefit out of it suitable to the new circumstances. With this end in view, the old Byculla Training Class was converted into an Education Centre inthe year 1949, so that we could have persons who can devote themselves entirely to finding ways and means of keeping our Primary Teachers acquainted with the latest methods and thoughts in the fileds of education and with the new teaching devices effective. The Centre had a running staff of one Principal and two Instructors, all of whom were Trained Graduates. To begin with, Refresher Classes were started with the sanction of the ex-Schools Committe for the benefit of the Trained and Untrained Teachers. Various officers of this Department also volunteered their services to work as Instructors at the Refresher Classes conducted at the Byculla Education Centre along with the Principaland his two Assistants. Instruction was imparted in these Classes in the methods of Education, Geography and Science, Teaching and Handwork. The Trainees were examined after they had undergone the Refresher Course for a period of four months. In this way, five batches of Refresher Classes were held during the period from 1949 to 1952. The holding of these Classes was discontinued from 1st March 1952 as no Budget provision could be made in the Budget Estimates for the year 1952-53. About 600 teachers received the benefit of the Refresher Classes conducted during 1949-52. With the co-operation of the Propaganda Officer of the Corporation, the Government Inspector for Visual Education, the Director of Publicity, Bombay State etc., 62 programmes of film shows were arranged at different schools where 30,230 pupils and 524 teachers were shown films on educational topics. About fifty lectures on various educational topics were organised during the course of the year under review, for the benefit of our teachers with the help of eminent educationists of the City who were kind enough to solve the various practical difficulties of the teachers at the end of each lecture. A proposal to develop this Centre into a Centre for research work in problems of Education, especially Primary Education, is at present under the consideration of the Municipal Commissioner and it is hoped that necessary funds will be made available for the purpose at no distant future.

**10. Rahamatulla Currimbhoy Urdu Training Institute for Lady Teachers**

The following number of pupil teachers were under training at the Rahamatulla Currimbhoy Urdu Training Institute for Women during the year under report:—

| Class | No. of Trainees | | | |
|---|---|---|---|---|
| | Stipendiaries | Non-stipendiaries | Teachers on deputation | Total |
| I Year ... | ... | 35 | ... | 35 |
| II Year ... | 14 | 16 | ... | 30 |

All 35 trainees of the Frist Year Class were promoted to the Second Year Class. Out of 30 trainees of the Second Year Class who appeared at the Training Teachers' Certificate Examination, 8 were successful. A sum of Rs. 3,210-13-0 was paid as stipends to the trainees from the Education Fund. Basic Craft. Spinning and Weaving—was continued as part of the curriculum. Due attention was paid to the extra curricular activities of the trainees. The trainees took part in the different departmental functions and visited places of importance in and near the City.

**11. Trust Fund Prizes, Freeships and Free Supply of Books**

The amount of interest accrued on the various Trusts and Endowment Funds was distributed among deserving pupils as per the terms and conditions of the Trusts. All Harijan children are admitted free in Municipal Schools. Till last year the children of employees of the Primary Education Department drawing a salary upto Rs. 220 and children of the inferior staff of other Municipal Departments were exempted from payment of fees. This concession has been now liberalised by the Corporation whereby children of all Municipal employees including the B. E. S. T. Undertaking who are drawing a salary upto Rs. 240 per month have been exempted from the payment of fees. Freeships and half freeships were also granted to poor and deserving pupils to the extent of 40 per cent. (30 per cent. full freeships and 20 per cent. half freeships) of the children attending the schools. During the year, 24,654 pupils in all received freestudentships and half freestudentships. Out of this number 4,963 were Harijans and 1,037 were children of Municipal employees. In view of the liberal award of freestudentships and half freestundentships, the Education Committee have decided to do away with the practice of awarding cash scholarships to poor and deserving pupils of all standards from the ensuing academic year and to utilise the amount in giving free text-books etc., to the deserving pupils of all Municipal Schools.

**12. Equipment and Furniture**

Financial difficulties came in the way of replacing the outdated furniture in schools and in the supply of equipment required by the schools in connection with the teaching of the new curriculum. A provision of over Rs. 3,00,000 was made in the year's Budget for the supply of Equipment and Furniture articles to Municipal Schools. The full amount could not be utilised on account of an unexpected reduction in the Corporation's contribution to the Education Fund Budget due to reduced receipts from the General Tax. However, School Equipment worth Rs. 11,921 was purchased and furniture worth Rs. 96,525 was ordered out during the year.

**13. School Buildings**

The number of Municipal owned school buildings at the beginning of the year was 60-29 in the City and 31 in the Suburbs. Though no Municipal School Building was constructed during the year, additional floors over two of our school buildings, *viz.*, the Byculla Municipal Marathi School Building and the J.R. Municipal Urdu School building were raised during the year. One school building was under construction in the City. We have been also able to secure at Andheri the Suren Marathi School Building, constructed partly out of donations received from the public and partly at the Corporation's cost. Thus there were 61 Municipal owned school buildings (29 in the City and 32 in the Suburbs) at the end of the year in which were housed about 36,000 pupils. The remaining were accommodated in rented school buildings at an yearly cost of Rs. 6,38,000 approximately exclusive of ground rent, Municipal Tax, Insurance Premia, etc.

Conditions in the rented school buildings were far from satisfactory as they were originally designed for residential purposes. The rooms in many cases were small and ill-ventilated and there were no adequate sanitary conveniences. On ccount of the tremendous increase in the population of Bombay in recent years, it has become almost impossible to secure additional accommodation for our schools while the number of pupils is steadily on the increase. The importance of having our own school buildings for housing the Municipal schools is, therefore, realised in all quarters. There were about 1,90,000 children studying in 487 Municipal Schools in Greater Bombay. Out of these 487 Schools only 79 Schools with about 36,000 pupils meet in 61 Municipal owned School buildings With a view to increasing the number of Municipal-owned school building and reducing the amount of rent, a loan of Rs. 5 lacs for construction of school buildings was raised during the year under review.

## III.—Municipal Aided and Recognised Schools.

**14. Aided Schools and Pupils in them**

The number of Aided Schools in the City on the last day of the year was 224 as against 226 at the beginning of the year. In the Suburbs there were 59 aided schools at the beginning of the year and there was no change in this number during the course of the years. The difference in the number of schools in the City was due to the removal of two schools from the list of aided schools as a result of irregularities noticed in their working.

The number of pupils in Aided Schools in the City and Suburbs increased during the year under review from 69,100 to 69,552 (a net increase of 452). The number of Aided Schools and pupils in them is given in the following table with corresponding figures of the previous year :—

**Municipal Aided Schools and Pupils.**

| Class of School. | On 31st March 1952 | | On 31st March 1953 | |
|---|---|---|---|---|
| | No. of Schools | Pupils | No. of Schools | Pupils |
| *City.* | | | | |
| Marathi Schools ... | 34 | 6,452 | 34 | 6,718 |
| Gujarati Schools ... | 100 | 17,065 | 100 | 17,897 |
| Urdu Schools ... | 21 | 5,185 | 20 | 4,499 |
| Hindi Schools ... | 6 | 1,743 | 6 | 1,818 |
| Sindhi Schools ... | 9 | 1,511 | 9 | 1,689 |
| Tamil, Telugu Schools ... | 7 | 1,917 | 7 | 2,017 |
| English Teaching Schools ... | 33 | 18,600 | 32 | 17,893 |
| Miscellaneous Schools ... | 2 | 254 | 2 | 251 |
| Marathi Night Schools ... | 1 | 62 | 1 | 66 |
| Gujarati Night Schools ... | 2 | 133 | 2 | 130 |
| Urdu Night Schools ... | 1 | 32 | 1 | 25 |
| Kanerese Night Schools ... | 6 | 701 | 6 | 582 |
| Special Institutions ... | 4 | 712 | 4 | 722 |
| Total ... | 226 | 54,367 | 224 | 54,307 |
| *Suburbs.* | | | | |
| Marathi Schools ... | 5 | 875 | 5 | 958 |
| Gujarati Schools ... | 18 | 5,101 | 18 | 5,432 |
| Urdu Schools ... | 3 | 208 | 3 | 235 |
| Hindi Schools ... | 4 | 769 | 4 | 823 |
| Sindhi Schools ... | 2 | 316 | 2 | 350 |
| English Teaching Schools ... | 25 | 7,375 | 25 | 7,385 |
| Gujarati Night Schools ... | 2 | 89 | 2 | 62 |
| Total ... | 59 | 14,733 | 59 | 15,245 |
| Grand Total for Greater Bombay ... | 285 | 69,100 | 283 | 69,552 |

The average number of pupils on the rolls in Aided Schools in the City during the year was 54,733 as against 55,187 and the average daily attendance was 48,362 as against 49,398 for the previous year. In the Suburbs, the average number of pupils on rolls was 13,785 as against 14,114 and average daily attendance was 13,090 as against 12, 424 for the previous years.

**15. Teachers in Aided Schools.**

The total number of teachers in the Aided Schools as on 31st March 1953 was as follows :—

| | City | Suburbs | Total |
|---|---|---|---|
| Ordinary Teachers ... | 1,770 | 430 | 2,200 |
| Special Teachers ... | 383 | 80 | 463 |
| Total ... | 2,153 | 510 | 2,663 |

Out of the 2,200 ordinary teachers 1,296 were trained and 904 were untrained. The percentage of trained teachers to the total number of teachers worked out to 59 which compared unfavourably with the percentage of trained teachers in Municipal Schools.

**16. Inspecting staff of the Aided Schools**

The Superintendent, Gujarati, Hindi and Suburban Schools was in charge of the Aided Schools also and was assisted in his work by an Assistant Superintendent and five Inspecting Officers. For better and more effective supervision of the Suburban Aided Schools two new Inspectresses were appointed from June, July 1952. Some of the officers of other sections also assisted the Aided Schools' Superintendent in his work of Annual Educational Inspection of the Aided Schools.

**17. Grants to Aided Schools**

As stated in the report for the previous year, the power of administering grants to Aided Schools now rests in the Corporation under the revised Section 62C(3) of the Bombay Municipal Corporation Act. The total amount of the grants assessed as per rules in favour of the Aided Schools in the City (including Primary Sections of English Teaching Schools) for the year was Rs. 6,08,232 as against Rs. 5,80,292 for the previous year. The Corporation had

to take recourse to the principle of varying rates of payment of grantss in the past few years whenever it became necessary to adjust the payment of grants within the Budget provision. As there was a provision of Rs. 3,57,000 only in the Budget of 1952-53, proposals for the payment of grants after applying varying cuts to the assessed grants have been forwarded to the Corporation. It has been recommended that the payment of grants should be based on the income and other resources of an Institution. Such a principle is being worked to by the Government and it is right and proper that the Corporation should refrain from paying grants not strictly justified by the circumstances of an Institution.

Grants were not recommended to the Corporation in favour of the following schools for the reasons shown against them :—

(1) The Central English School ... Irregular working.
(2) The Alexandra Girls' English Institution ... There was not a single child with English as its Mother-tongue.

In the case of the Suburban Aided Schools the total amount of grants assessed came to Rs. 1,64,652 as per rules. As there was a provision of Rs. 1,15,000 only, varying cuts have been recommended as in the case of the City Schools to bring down the expenditure within the sanctioned amount.

The actual grants will be paid in the following year on receipt of the Corporation's sanction.

**18. Expenditure incurred by Aided Schools and cost per Pupil**

The total expenditure incurred by the Aided Schools and the average cost per pupil to the Corporation by way of grants, with comparative figures of the previous year, are detailed below :—

| | Average Number of pupils on rolls | Total expenditure incurred by Aided Schools | Average cost per pupil to Aided Schools | Cost per pupil to the Corporation |
|---|---|---|---|---|
| | | Rs. | Rs. | Rs. |
| *City.* | | | | |
| (*i*) 1951-52 ... | 55,187 | 35,66,348 | 64.6 | 9.6 |
| (*ii*) 1952-53 ... | 54,733 | 36,78,927 | 67.2 | 6.5 |
| *Suburbs.* | | | | |
| (*i*) 1951-52 ... | 14,114 | 7,40,648 | 52.5 | 10.3 |
| (*ii*) 1952-53 ... | 13,785 | 8,25,892 | 59.9 | 8.3 |

**19. General conditions in Aided Schools and Service conditions of teachers**

The educational work of the schools was observed, checked and supervised by the Inspecting Officers who paid frequent surprise and educational visits to the schools. The Head teachers of the Aided Schools were invited to attend the lectures on Educational topics organised by the Department and a large number of them took advantage of the same.

The scales of salaries and rates of Dearness Allowance in the Aided Schools were not as per the Municipal scales. All schools were, therefore, directed to lay down Service Conditions, Pay Scales and Provident Fund Schemes for the benefit of the staff and to get the same approved by the Department. Some schools have implemented the direction but a considerable number of schools still have uneven grades and unsatisfactory service conditions. Complaints of ill-treatment of teachers by the management of some schools were promptly attended to and, in some cases, amicable settlements between managements and the staff were arrived at through persuation. The standard of instruction imparted in some of the Aided Schools was comparatively low. Such schools did not possees the requisite number of trained teachers and were also ill-equipped. There was no medical inspection of children except in about sixty schools.

**20. Unaided and Recognised Schools**

Besides the Aided Schools, there were 31 other schools which were recognised but which did not receive aid from the Corporation. 8 new schools in the City were given recognition during the year. The number of such schools, the number of pupils and the number of teachers in them as they stood on 31st March 1953 with comparative figures of the previous year are given below :—

| Recognised Schools | On 31st March 1952 | | | On 31st March 1953 | | |
|---|---|---|---|---|---|---|
| | No. of Schools | Pupils | Teachers | No. of Schools | Pupils | Teachers |
| City ... | 15 | 2,470 | 125 | 23 | 4,082 | 192 |
| Suburbs ... | 8 | 709 | 32 | 8 | 723 | 33 |
| Total ... | 23 | 3,179 | 157 | 31 | 4,805 | 225 |

The average number of pupils on the rolls in the Recognised Schols during the year was 3,858 as against 2,338 in the previous year and the average daily attendance was 3,440 as against 2,053 of the previous year. In the Suburban Recognised Schools the average number of pupils on rolls was 648 as against 649 of the previous year and the average daily attendance was 605 as against 545 of the previous year.

## IV.—Free and Compulsory Education.

**21. Supervision**

The work of bringing in non-attending children to Municipal Schools was being looked after by the Special Attendance Officer, assisted by one Assistant special Attendance Officer, one Junior Attendance Officer and 8 Attendance Inspectors.

**22. Census of non-attending children**

As required by Rule 5 of the Rules framed by Government under Section 18 of the City of Bombay Primary Education Act 1920, as amended by Bombay Act XLVIII of 1950, a Census of non-attending children of School-going age residing in Greater Bombay was taken in the months of March, April, June and July 1952, with the help of 54 Head Enumerators and 529 Tecaher Enumerators. The Census Staff went round the City from house to house with a view to collecting information regading non-attending children. Side by side, they also persuaded the guardians of non-attending children to send their wards to schools. The Census revealed that 16,820 and 5,414 children of compulsory age were not attending schools in the City and the Suburbs respectively. As a result of the efforts of the Census Staff as well as the Attendance Inspectors 12,932 and 3,265 non-attending children of compulsory age were admitted in Municipal schools of the City and the suburbs respectively.

**23. Progress of Free and Compulsory Education in Municipal Schools**

The following table shows the actual progress made during the year as compared with that of the previous year:—

**Classification of Pupils as per Age.**

| Year | Number of Municipal Schools and Classes | Number of children | | | | |
|---|---|---|---|---|---|---|
| | | Under age (below 6) | Compulsory age (6-11) | Overage (11 and above) | Total | Average attendance |
| *City* | | | | | | |
| 1951-52 | ... 357 Schools ... 23 Classes ... | 735 | 95,215 | 48,730 | 1,44,680 | 1,11,303 |
| 1952-53 | ... 351 Schools ... 29 Classes ... | 103 | 94,927 | 53,101 | 1,48,131 | 1,27,815 |
| *Suburbs.* | | | | | | |
| 1951-52 | ... 101 Schools ... 2 Classes | 75 | 17,918 | 7,416 | 25,409 | 17,866 |
| 1952-53 | ... 93 Schools ... 14 Classes | 9 | 18,275 | 8,689 | 26,973 | 21,485 |

The increase in the number of overage children in the Upper Primary Standards was mainly due to the abolition of English in Secondary Schools as a result of which children joined the Upper Primary Classes in the Municipal Schools where the rates of fees were lower than those in the Secondary Private Schools. Efforts were made to bring in as many non-attending children as possible to schools during the year and to stabilise attendance. Notices were served on the guardians of 3,470 non-attending children. Wtih the co-operation of the Press, the All India Radio and by the distribution of leaflets, the guardians of these non-attending children were also persuaded to send their wards to schools. The number of compulsory age children attending Municipal Schools was 1,13,202 at the end of the year.

The system of holding schools in two sessions introduced for the last six years had to be continued. About 47,000 pupils had to be accommodated in the forenoon sessions for want of sufficient accommodation in the school buildings. The hours of actual instruction in single session schools were 5 and in double sessions schools 4½ hours for classes from Standars III onwards and 4 hours for the lower classes.

## V.—Vocational Education.

**24. Vocational Schools**

There were 13 Municipal Central Schools at the end of the year 1948-49 wherein pupils learnt at least one craft together with other subjects to enable them to be better and more useful members of a trade or vocation. These schools did not attract sufficient numbers of pupils due to inadequate euipment, inadequate number of craft periods, heavy courses of studies and the natural preference of pupils for the P. S. C. Examination. The Central Schools were reorganised as Vocational Upper Primary Schools from June 1949, with a view to attracting a larger number of pupils by the introduction of different crafts. These schools prepared pupils for the Primary School Certificate Examination with the subject of a craft as one of the compulsory subjects. They also prepared pupils for the Carpentry and Tailoring Examinations conducted by the Department of Technical Education, Government of Bombay. In order to make the Vocational Schools more attractive and useful to many pupils going in for the P. S. C. Examination and with a view to enabling them to take greater advantage of the new P. S.C. syllabus by expanding vocational education in our schools, it was proposed to the Government to include Tailoring, Paper and Card-board Modelling, Canework or Leather Work in the list of Vocational compulsory subjects for the P. S. C. Examination and to reduce the four years' course to three years. The Government have now passed orders to reduce the course of studies to 3 years in all vocational schools and included Tailoring as a Compulsory subject for the P. S. C. Examination.

**25. Progress during the year.**

There were in all 22 Vocational Schools out of which 10 were practically for Girls who were taught Sewing and Embroidery. Spinning and Weaving was taught in one City school and Spining in seven schools 3 in the City and 4 in the Suburbs. There were 22 Handicraft Classes for Carpentry, Tailoring, Printing and Binding, Clock-repairing and Signboard Painting. Cardboard Modelling was taught in 20 Suburban Schools and instruction in Clay-modelling was

imparted in two City Schools. These classes worked under the direct supervision of one of the Supervisors of Marathi Schools till the end of June 1952. The same officer was substantively appointed as the supervisor of Handicrafts and Stores in the vacant post from July 1952. There were 1,471 pupils receiving instruction in our Carpentry and Tailoring Classes as against 1,438 in the previous year. For the last two years Government have imposed an Examination Fee of Rs. 3 for the First Year, Rs. 4 for the Second Year and Rs. 5 for the Third Year Carpentry and Tailoring Examinations. This adversely affected the number of students appearing for the Annual Examinations. The following table gives the number of pupils who appeared for the Carpentry and Tailoring Examinations and the number of pupils who were successful:—

| Subject | | No. of pupils appeared | No. of pupils passed | Percentage |
|---|---|---|---|---|
| *Carpentry.* | | | | |
| First Year | ... | 170 | 71 | 42 |
| Second Year | ... | 70 | 18 | 26 |
| Third Year | ... | 4 | 1 | 25 |
| *Tailoring.* | | | | |
| First Year | ... | 164 | 23 | 14 |
| Second Year | ... | 67 | 49 | 73 |
| Third Year | ... | 28 | 27 | 96 |

**26 Handicrafts Exhibition**

TheAnnual Exhibition of Handicrafts and Sewing Work was declared open by Shri M. A. Master, B.A., LL.B., on the 7th March 1953 in the Gilder Tank Play-ground. The Exhibition was kept open for seven days and an amount of Rs. 8,721-14-0 was realised by way of sale proceeds of the exhibits.

Carpenters attached to the Furniture Repairing Workshop of the Handicrafts Department repaired morethan 3,500 articles of furniture in about 130 schools during the year.

## VI.—Physical Education

**27. Curriculum and Activities**

The new Government Syllabus in Physical Education for Lower Primary and Upper Primary Schools in the State was followed in the Municipal Schools with suitable modifications to suit local conditions. Five periods per week for Standards I to III, four periods per week for Standard IV and five periods per week for Standard V to VII were assigned for Physical Education, the pupils of Standards V, VI and VII of the Vocational Schools who had to learn a craft being exempted from Physical Education. The senior Supervisor of Physical Instruction and the supervisor and the Junior supervisors under her paid frequent visits to the schools to guide the teachers in charge of Physical Instruction. The following information will be of interest:—

| | | |
|---|---|---|
| Total number of Schools and Classes | ... | 487 |
| Number of Schools imparting Physical Education on Playgrounds | ... | 60 |
| Number of Schools imparting Physical Education in open school compounds | ... | 163 |
| Number of schools imparting Physical Education in School rooms | ... | 264 |
| Total number of pupils | ... | 1,75,104 |
| Number of Pupils taking Physical Education | ... | 1,71,506 |
| Total number of teachers | ... | 4,700 |
| Number of teachers trained in Physical Education | ... | 2,304 |
| Number of teachers to be trained in Physical Education | ... | 2,396 |
| City Schools | ... | 1,657 |
| Suburban Schools | ... | 739 |

The following were the principal activities of this Department during the year:—

### (i) Annual Sports

The preliminary sports were held in the middle of November 1952 at three selected centres in the City and two in the Suburbs and the Finals were held on 20th November 1952. Pupils from all schools participated in the sports. In all 6,400 students from the City Schools and 1,000 students from the Suburban Schools took part in the various competitions. The Prize Distribution Ceremony of the Annual Sports was held on 7th February 1953 on the Gilder Tank Playground under the Presidentship of Shri M. D. Bhansali, I.C.S., Chief Secretary to the Government of Bombay. The cultural programme of one and a half hours duration presented on the occasion by the pupils of Municipal Schools included items like 'Fancy Drill', 'Basket Drill', and 'Action Scenes' which were highly appreciated by all. At the end Smt. Bhansali distributed the prizes and cups to the winners in the Sports. The Championship Cups were won by the following Schools:—

| Name of the Cup | Name of the Schools |
|---|---|
| (1) Dr. Cursetji Cup | ... Victoria Gardens Upper Primary Marathi School. |
| (2) Shri Jal Engineer Cup | ... Currey Road Upper Primary Marathi School. |
| (3) Shri N. M. Mirchandani Cup | ... New Dadar Kumbharwarda Upper Primary Marathi School. |

### (ii) Mass Drill Displays

Three Mass Drill Dispalys—two by the children of the City Schools and one by the children of the Suburban Schools—were held during the year under report. The Mass Drill Display by the children of the schools in the South Bombay area was held on the 7th December 1952 on the Gilder Tank Playground under the Presidentship of Shri P. R. Nayak, I.C.S., Municipal Commissioner for Greater Bombay and 2,000 children from 34 schools participated in it. The Mass Drill Display by the children of the schools in North Bombay area was held on 17th December 1952 at Shivaji Park under the Presidentship of Shri Dinkarrao N. Desai, M.A., LL.B., Minister of Education, Government of Bombay and 5,000 children from 46 schools took part in it. In the Suburbs the Display was held on 22nd December 1952 at the Petit Marathi School compound, Bandra under the Presidentship of Shri P. G. Kher, B.A., LL.B., Municipal Councillor at which about 1,200 children from 21 schools took part.

Special mention may be made of the delegates to the International Child Welfare Conference and to the UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific (held in Bombay during December 1952) who atttended the Mass Drill Displays at Gilder Tank and Shivaji Park respectively by special invitation. The delegates to both the Conferences were much impressed by the fine performance of the school children, and were pleased with the discipline and rhythm in movement achieved by the "tinytots".

## VII.—Scout Movement

**28. Boy Scouts and Girl Guides**

The Boy Scout and the Girl Guide Movements continued to flourish as usual in our Municipal Schools. Shri M. V. Donde, B.A., M.L.C., and Smt. Khadija Shuffi Tyabji, M.L.A., J.P., continued to hold the office of the District Commissioner, Municipal Boy Soucts and District Commissioner Municipal Girl Guides respectively during the year.

The number of Scout Troops and Cub Packs at the end of the year was 73 and 80 respectively and that of Scouts and Cubs was 1,868 and 1,866 respectively. The number of Girl Guides Companies and Flocks at the end of the year was 65 and 143 with 1,416 Guides and 2,664 Bulbuls in them respectively.

**29. Activities during the year**

The usual activities of the Municipal Boy and Girl Scouts such as (1) Week end Camps, (2) Social Work, (3) Help at all Departmental and Public Functions, (4) Celebration of Gandhi Week and (5) Republic Day were carried out during the year. The following were some of the important activities of the year :—

### (i) The Bombay State Scouts and Guides Rally

During the year under report the Grand Provincial State Rally was held by the Bharat Scouts and Guides, Bombay State at the Brabourne Stadium on the 24th February 1953 under the Presidentship of Col. J. S. Wilson, O.B.E., Director of the International Bureau of Scouts. About 400 Municipal Scouts and Cubs and 500 Municipal Guides and Bulbuls participated in the function. At the time of this Rally a small cultural Programme consisting of certain items of entertainment was also arranged. The Municipal Boy Scouts and Girl Guides staged two items "First Aid" and "Swarajya Ale" and they were highly appreciated by the guests who were present at the function.

### (ii) State Commissioner's and Scouter's Conference

The Bharat Scouts and Guides, Bombay State organised a State Commissioners' and Scouters' Conference on 24th February 1953 at the Chunilal Mehta Scout Hut. The Conference was inaugurated by Shri Mangaldas Pakwasa. Col. Wilson, O.B.E., Director, International Bureau of Scouts, attended the Conference as the Guest of Honour.

### (iii) Visit of Dame Leslie Whateley, O.B.E.

The Bharat Scouts and Guides, Bombay State, also organised a function on 6th December 1952 at the St. Xavier's High School Maidan in honour of Dame Leslie Whateley, O.B.E. The function included some items of a cultural nature. "Indian Folk Dance" was staged by the Guides of the Girgaum U. P. Marathi Schools and it was much appreciated by all.

### (iv) Annual Scouts Sports and Rally.

The Annual Sports of the Boy Scouts and Girl Guides were held at the Gilder Tank Maidan from 5th January to 8th January 1953. About 100 Scouts and Cubs and 230 Bulbuls and Guides took part in the different events and prizes were awarded to the winners.

The Championship Cups and Shields were awarded to the following Schools :—

| | | |
|---|---|---|
| (1) Professor V. G. Rao Cup | ... | Kamathipura Voc. U P. Marathi School. |
| (2) Sir Dorab Tata Sheild | ... | Kamathipura Voc. U. P. Marathi School. |
| (3) Shri M. N. Talpade Cup | ... | Lord Harris U. P. Marathi School. |
| (4) Smt. Shuffi Tyabji Cup | ... | New Dadar Kumbharwada U. P. Marathi School. |
| (5) Shri Raja Maharaj Singh Cups (two Cups) | | (1) Lord Harris U. P. Marathi School.<br>(2) New Dadar Kumbharwada U. P. Marathi School. |

The combined Annual Rally of Boy and Girl Scouts was held on 13th March 1953 at the Gilder Tank Maidan under the Presidentship of Shri P. R. Nayak, I.C.S., Municipal Commissioner for Greater Bombay. Many office bearers of the Bharat Scouts and Guides also attended the function. The programme for the occasion was composed of special items like (1) Fire Fighting Display, (2) Gardeners Badge, (3) Uses of Knots, (4) Cleanliness and Laundry Work etc. The items were highly appreciated by the audience. In his Presidential speech Shri P. R. Nayak, stressed the importance of extra-curricular activities and said that these Scout activities should be encouraged with a view to inculcating self-reliance in Scouts and the Guides. Scouting, he added, was an important movement which developed in students discipline, a spirit of service and co-operation. Smt. Nayak gave away the prizes and cups to the winners.

## VIII.—Finance.

**30. Education Fund Budget**

The principal source of revenue of the Primary Education Fund Budget are (1) the Corporation's Contribution—a sum equal to five times the amount of the nett estimated realisation of the General Tax divided by the rate of the General Tax; (2) Government Grant towards Primary Education; (3) Fees from Municipal Schools and (4) Other Miscellaneous receipts. The first Budget of the Education Fund for the year 1952-53 was prepared by the Municipal Commissioner in October 1951 as required under Section 126C of the Act in the revised form as approved by the Education Committee in accordance with Schedule BBA and placed before the Education Committee. The income for the year 1952-53 was estimated at Rs. 1,44,38,000 (Rs. 1,28,94,000 for the City Section and Rs. 15,44,000 for the Suburban Section). The expenditure was estimated at Rs. 1,53,94,000 (Rs. 1,34,93,000 for City Section and Rs. 19,01,000 for the Suburban Section) an increase of Rs. 18,48,000 over the previous year's figures due to the estimated increase in the number of pupils. As the estimated income fell short of the estimated expenditure, the Commissioner had proposed the levy of an Education Cess as provided in Section 195E(1) of the Municipal Act at the rate of 1 per cent. of General Tax. The levy of the Education Cess did not, however, find favour with the Education Committee and the Corporation. The Budget Estimates were, therefore, revised by the Education Committee by applying drastic cuts and sanctioned without having recourse to the Education Cess.

The actual realisation of the General Tax, however, did not come upto the estimated figure and the contribution payable to the Education Fund Budget during 1952-53 calculated on the basis of actual receipts of General Tax for 1951-52 worked out to Rs. 99,38,362 (Rs. 89,59,064 from Budget A and Rs. 9,79,298 from Budget D) resulting in a decrease of Rs. 9,79,706 in the estimated contribution from Budgets A and D. The other sources of revenue of Budget E being inelastic, there was no alternative left but to prune down demands under various Heads.

**31. Income and Expenditure**

On finally closing the accounts for the year 1951-52 the actual closing balance amounted to Rs. 13,66,921-14-10. The total amount at the disposal of the Education Committee was Rs. 1,50,07,567-3-4 (Rs. 1,30 34,008-15-10 for the City Section and Rs. 19,73,558-3-6 for the Suburban Section) as shown below :—

| | Opening Balance | Municipal Grant | Government Grant | Other Miscellaneous Receipts | Total |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| City ... | 9,92,766 7 4 | 89,59,064 0 0 | 25,08,875 0 0 | 5,73,303 8 6 | 1,30,34,008 15 10 |
| Suburbs ... | 3,74,155 7 6 | 9,79,298 0 0 | 5,50,000 0 0 | 70,104 12 0 | 19,73,558 3 6 |
| Total ... | 13,66,921 14 10 | 99,38,362 0 0 | 30,58,875 0 0 | 6,43,408 4 6 | 1,50,07,567 3 4 |

The items under Miscellaneous Receipts included fees in Standards V, VI and VII of Municipal Schools and the increase was due to the increase in the number of pupils in these standards.

The total expenditure for the year including offices amounted to Rs. 1,32,88,368-10-9 (Rs. 1,16,49,518-2-3 in the City Section and Rs. 16,38,850-8-6 in the Suburban Section) leaving a closing balance of Rs. 17,19,198-8-7.

**32. Government Grant on the cost of Primary Education**

The grant paid by Government to the Corporation towards the cost of Primary Education amounted to Rs. 30,58,875 including the amount of Rs. 5,50,000 for the Suburban Schools.

The Government grant towards Primary Education is based on the Shroff Committee's Report of 1948 which laid down that the grant for Primary Education should be equal to 25 per cent. of the approved expenditure subject to a maximum of Rs. 25 lacs. The Expenditure of the Primary Education Department has mounted with the increase in the number of pupils, high cost of wages, Dearness Allowance and materials. It is a growing and expanding Department and hence its expenditure is bound to increase. The Corporation have, therefore, represented to the Government that the Grant-in-aid for Primary Education should be fixed at 25 per cent. of the approved expenditure and that the same should not be further subjected to any ceiling as an immediate measure without prejudice to the Corporation's claim for 50 per cent. of the expenses on Primary Education.

It is necessary to refer here to the question of the financial burden that the Corporation has to bear on the Education of children in Upper Primary Classes. As a result of the discontinuance of English in the Lower Middle standards of Secondary Schools, there has been a considerable influx of pupils in the Municipal Schools as the Upper Primary curriculum is identical with that of the Lower Middle standards of Secondary Schools. Moreover, the fees charged in Municipal Schools (*viz.*, Rs. 2, Rs. 2-4-0 and Rs. 2-8-0) per month per pupil of Standards V, VI and VII respectively are much lower than those charged by private Secondary Schools (Rs. 6 to Rs. 12 per pupil per month). It will be noticed from the figures of the year under review that out of 1,75,104 pupils attending Municipal Schools as many as 37,194 were attending Upper Primary Classes.

The following table shows the average cost of pupil as compared with the corresponding figures of the previous year :—

| | Average cost per pupil for the year |
|---|---|
| *City.* | Rs. |
| (*a*) According to the number of pupils on rolls on 31-3-1952 (1,44,680) ... | 72.2 |
| Do. do. 31-3-1953 (1,48,131) ... | 74.9 |
| (*b*) According to the average number of pupils on rolls for the whole year 1951-52 (1,46,364) ... | 71.4 |
| Do. do. 1952-53 (1,55,089) | 71.6 |
| *Suburbs.* | |
| (*a*) According to the number of pupils on rolls on 31-3-1952 (25,409) ... | 43.9 |
| Do. do. 31-3-1953 (26,973) ... | 60.4 |
| (*b*) According to the average number of pupils on rolls for the whole year 1951-52 (24,703) ... | 45.1 |
| Do. do. 1952-53 (28,279)... | 57.7 |

**33. Audit of Accounts**

The staff of the Municipal Chief Auditor's Department stationed in the Gilder Tank Office for auditing the Education Fund Accounts from day to day, carried on their work as usual and suggestions made by them were attended to.

## IX.—General.

**34. School Health Service**

The School Health Service under the Executive Health Officer of the Corporation for the benefit of the children of Municipal Primary Schools continued to operate as usual. Medical Inspection of pupils reading in Standards I and III and pupils of standards other than I and III, who were presented for medical inspection by their parents and teachers by special request was taken with a view to finding out their physical defects. In all 38,383 pupils (24,680 boys and 14,703 girls) were examined during the year of whom 31,495 were found to suffer from one defect or other. The defects noticed were communicated to the parents and guardians concerned. On the guardians' consent, more than 7,000 pupils were treated either in the Municipal Dispensaries or at the School Clinic in the K. E. M. Hospital. Pupils having communicable diseases were promptly detected and prevented from attending schools during the period of infectivity. Routine Health Talks on personal hygiene were given to pupils and teachers by the Medcial Officers and the School Health Nurses. 32,640 undernourished pupils were given 8 ozs. of toned milk on every school working day and the Corporation spent over Rs. 5,26,000 for the free supply of milk. A detailed report of the working of this Branch will be found in the Annual Report of the Public Health Department.

**35. Municipal Teachers' Library**

At the end of the last year, there were 15,929 books of all languages in the Library. During the year under report, 1,489 books were added to the stock. The total number of books at the end of the year under report was 17,418. The total number of magazines and periodicals subscribed during the year was 57 as against 58 of the previous year. The total number of books issued during the year was 10,918, showing an average of 37 books per day as against 11,399 with a daily average of 39 during the last year. Very few teachers from the suburban Schools took advantage of the Library as its location was inconvenient to them. The opening of a Branch Library in the Suburbs for their benefit had however, to be deferred due to financial stringency.

**36. Employees' Co-operative Credit Society Ltd**

The Bombay Municipal Primary Education Department's Employees' Co-operative Credit Society Ltd. continued to make steady progress during the financial year ending on 30th June 1952. The membership of the Society increased from 3,799 to 3,836 and the Share Capital from Rs. 3,87,840 to Rs. 4,06,790 and the working capital from Rs. 17,11,711 to about Rs. 18,46,950 during the year. The Society made a net profit of Rs. 35,200-9-9. The Society, besides granting loans to its members, rendered very useful service to its members through its Scheme of Savings Deposits and Life Insurance. Government relaxed the control over the sale and purchase of cloth as a result of which the buyers' market developed and the cloth trade passed on to the normal trade channels The Cloth Ration Shop run by the Society was, therefore, closed down from September 1952.

**37. Donations**

(*i*) The Municipal Marathi Primary Teachers' Fund donated an amount of Rs. 2,000 in the form of National Savings Certificates (valued at Rs. 2,400 at present) for the purpose of constituting a fund known as "Shikshak Fund" out of which prizes known as "Shikshak Fund Prizes" are to be given to the children of Marathi Teachers. This donation was accepted with the sanction of the Corporation.

(*ii*) *Donations of Shields.*—Four Silver Shields were donated by Shri Ganapatishankar N. Desai, Mayor of Greater Bombay, Dr. N. N. Shah, Municipal Councillor, Shri R. K. Achrekar, Chairman, Education Committee and Shri Premchandbhai V. Mehta, Municipal Councillor for being awarded to the cleanest and most well conducted Municipal Schools. The donations of the four shields were accepted by the Municipal Commissioner, with thanks.

(*iii*) *Donation of Steel Cup-boards.*—Shri Nanik G. Motwane, Municipal Councillor who presided over the Sharad Utsav Function of the Chembur Group of Municipal Schools donated five steel cup-boards for the use of the schools of the area. The donation was accepted by the Municipal Commissioner, with thanks.

**38. Gratis use of School premises**

The free use of Municipal school premises for running Government Milk Centres, both in the morning and in the evening, was continued. Several educational institutions were also allowed the use of school premises gratis for conducting Social Education Classes, Hindi Classes and Night Schools outside regular school hours on prescribed conditions with the consent of the landlords concerned.

**39. International Conferences**

Two International Conferences having direct connection with Primary Education were held in the City during the year under report.

### (i) The International Study Conference on Child welfare.

The International Study Conference on Child Welfare was held in Bombay from 5th December 1952 to 12th December 1952. At this Conference, important problems relating to the Child Welfare such as Pre-natal and Post-natal Care of the Child, Child Education, Parental Education, Education of mentally-deficient, Under-developed, Crippled and Criminal children, Free Supply of Mid-day Meals and Milk to School Children, etc., were discussed and important Resolutions were adopted thereon. Almost all the supervising officers of this Department attended the Conference as Observers. The Education Officer read out at the Conference a Paper on "The Contribution of Educational Services and Organisations towards the Education of Parents and the Improvement of Child Welfare- in particular (*i*) Schools : Nursery, Elementary, Vocational, (*ii*) Community Services : Governmental and Voluntary. The Paper, being instructive and interesting, was appreciated by the Delegates. The Delegates to the Conference were the Guest of Honour at a Mass Drill Display of Municipal School Children on 7th December 1952 at the Gilder Tank Playground.

### (ii) The UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific.

The UNESCO Regional Conference on Free and Compulsory Education in South Asia and the Pacific was held in Bombay from 12th December to 22nd December 1952. Important problems like Child Labour Legislation, Legislation on Compulsory Education, the subject of Text Books and Improvement of Curricula and Methods of Teaching, the Status and Training of Teachers, their Remuneration, School Health Services and Supply of Free Milk and Mid-day lunches to school children and other problems relating to Compulsory Education in the regions of South Asia and the Pacific were discussed at the Conference and various Resolutions adopted thereon for the benefit of Member Nations. The Officers of the Primary Education Department who had the good fortune of attending the Conference were greatly benifitted. Besides displaying our educational exhibits at the Central Exhibition arranged at the Council Hall, we had set up a special Exhibition at the Valibai Municipal Upper Primary Gujarati School, with a view to enabling the visitiors to have an idea of the means we adopt to impart education in our schools. The Exhibition depicted the progress of Free and Compulsory Education in the City and also the detailed planning of curriculum and extra-curricular activities in Primary Schools. The Exhibition which was spread over nine rooms also illustrated how the syllabus in different subjects, as laid down by the Government of Bombay, is effectively revealed to the children in the Primary Schools. The Exhibition included charts and drawings on History and Civics, Geography, School Organisation, Crafts in the Municipal Schools and Scientific Equipment. Besides the Exhibition, a cultural programme was also arranged in honour of the Delegates. The Delegates were pleased with the Exhibits and the Cultural Programme and they spent over three hours at the school in studying the various exhibits. They were also the guests of honour at a Mass Drill Display of Municipal School pupils at Shivaji Park on 17th December 1952, held under the Presidentship of Shri Dinkarrao N. Desai, Minister of Education, Government of Bombay. The Delegates were taken round a number of Municipal schools in the City and the Suburbs by the Education Officer so as to enable them to gain first-hand information about the working of our Municipal Schools. They were deeply impressed with the progress made by the Bombay Municipal Corporation in the field of Primary Education. They expressed their sense of pleasure and satisfaction at the work and progress of this Department both orally and also in writing as per their letter, dated the 23rd December 1952 addressed to the Municipal Commissioner and underlying Education Committee Resolution No 253, dated the 13th March 1953. Mr. H. Lionel Elvin, Director of the Department of Education, UNESCO, and Mr. Mata Akravi, Officer in charge of the Department for Extension of Compulsory Education of UNESCO were also kind enough to meet the Officers and Teachers of the Primary Education Department at a meeting at Gilder Tank. Different aspects of Primary Education were discussed at this meeting.

**40. Extra Curricular Activities**

In the development of Primary Education, due importance was assigned to extra-curricular activities in the Municipal Schools with a view to inculcating in the students the qualities of social service, patriotism, good citizenship, community life etc., etc., The following were the main extra-curricular activities conducted in Municipal schools during the year :—

(*a*) *Vacation Libraries.*—During May 1952. Vacation Libraries were opened at 22 Centres in the City and 5 Centres in the Suburbs in various Municipal Schools. Each Centre was equipped with suitable books in all languages. Teachers were appointed at each Centre to guide the children. A large number of children evinced keen interest in the Libraries, the daily average attendance being 2,389.

(*b*) *Independence Day and Republic Day Celebrations.*—Independence Day was celebrated by the schools as usual on 15th August 1952 and Republic Day on 26th January 1953 in simple but dignified manner with the Flag Hoisting Ceremony and the singing of the National Anthem. The teachers explained on these two occasions the meaning of Independence and Democracy to the pupils and reminded them of their duty towards the country as future citizens of the 'Alma Mater'.

(c) *Mahatma Gandhi Week* —Mahatma Gandhi Week was celebrated in all the Municipal Schools this year from 15th September to 20th September 1952 by constructive activities such as personal cleanliness, cleaning the school premises and its environments, spinning, etc. The Week helped to inculcate in the children a sense of fellow feeling and self help.

(*d*) *Sharad Utsav* (*Autumn Festival*).—This year, Sharad Utsav was celebrated in the Municipal Schools from 22nd September 1952 to 10th October 1952 at 20 different centres—15 in the City and 4 in the Suburbs with one Central Function on the Gilder Tank Playground. The number of functions was reduced this year due to paucity of funds. The schools were grouped together locality-wise. The functions consisted of two parts *viz.*, an Exhibition of Educational Aids such as Maps, Charts, Models, Hand-work, etc., prepared by the teachers and pupils of various schools and a Cultural Programme of an hour's duration. Each function was presided over by a prominent personality of the City, *viz.*, the Mayor, the Municipal Commissioner, Municipal Councillors and prominent educationists. In order to encourage variety and avoid duplication, the Centres were divided into suitable zones and each zone covered the entire syllabus of one of the five major subjects and prepared the Educational Aids illustrating the curricula. The teachers had an opportunity of showing their interest and enthusiasm in their profession by preparing useful and original educational aids for the day to day teaching of the new curriculum. Pupils of a tender age also showed remarkable talent in their performances The Sharad Utsav functions have become very popular with the pupils and teachers and every year is marked by a definite improvement over the previous one. The public generally and the guardians in particular, showed keen interest in these Exhibitions and Functions and were glad to know how their wards were taught in the schools.

The Central Sharad Utsav Function was held on the 10th October 1952 under the Presidentship of Shri Ganpatishankar N. Desai, J.P., Mayor of Greater Bombay. The best items of the cultural programmes presented previously at the 19 different centres in the various localities were staged on the occasion. The Central Exhibition arranged in the Gilder Tank School building consisted of Educational Aids, Charts, Models etc., selected from various Centres. The Exhibition covered almost all subjects of Primary Education. The models of 'Konkan Railway,' Koyna River Project, and Tansa-*cum*-Vaitarna Scheme were highly appreciated by the visitors. This Exhibition proved to be a very great success and was kept open during the Diwali Holiday and even after the schools had re-opened till 8th November 1952 for the benefit of the public and the pupils and teachers of Primary and Secondary Schools of the City. The Films Division, Ministry of Information and Broadcasting, Government of India, covered this function in its weekly "Newsreel" and exhibited the same all over the country during the last week of October 1952.

The Silver Shields donated by Rani Maharaj Singh and seven Chairmen of the *Ex*-Schools Committee were presented at the hands of Mrs. Shreematiben Desai, to the cleanest and best conducted schools in Dongri Area and each of the seven Wards A to G respectively. Pleased with the progress made by the pupils in Municipal Schools and also with the Cultural Programmes presented on the occasion, Shri Ganpatishankar N. Desai, the Mayor, Shri R. K. Achrekar, Chairman, Education Committee, Dr. N. N. Shah and Shri Premchand V. Mehta, Municipal Councillors donated each a Silver Shield for being awarded to the cleanest and most well conducted Municipal schools.

(*e*) *Co-operative Stores.*—In all, 18 Co-operative Stores were run by different Municipal Schools. These Co-operative Stores supplied the needs of the pupils in respect of Text-Books, Exercise Books, Slates, etc., at practically cost price. Each Store was managed by the teachers and pupils jointly and the yearly profit was distributed among the pupils by way of dividents.

(*f*) *School Anniversaries.*—Some of the Schools celebrated their School Anniversaries when parents, guardians and especially mothers of school children were invited. Such functions enabled the parents and guardians to see personally the working of the Municipal Schools.

(*g*) *Excursions.*—The teachers and pupils of several schools arranged trips and excursions to places of educational and historical importance such as Matheran, Lonavala, the Museum, Victoria Gardens, Tansa-*cum*-Vaitarna Scheme, the National Park, Docks, Karla, Kanheri, Elephanta and Jogeshwary Caves etc.

**41. Staff Meetings.** Meetings of the Supervising Officers continued to be held during the year under the Chairmanship of the Education Officer, for discussing improvements in Municipal Schools, Curriculum, Problems of day-to-day Administration, etc. On some occasions Meetings of Head teachers of the Municipal schools were also convened to discuss the working of the Schools.

**42. Deaths, Retirements.** There were 28 cases of deaths, 84 cases of retirement and 42 cases of resignation etc., among the teaching and non-teaching staff including the office.

**43. Appreciation of the work done by the staff.** In conclusion the Department places on record its appreciation of the services rendered by the Officers, the Clerical Staff, the Teachers and the Inferior Staff during the year under Report.

K. KHANDVALA,
*Education Officer.*

## APPENDIX 'A'

*Statement showing the number of trained, untrained, permanent and temporary ordinary teachers according to sides 1952-53.*

| Class of Schools | Trained | | Untrained | | Total | | Total No. of Teachers |
|---|---|---|---|---|---|---|---|
| | Permanent | Temporary | Permanent | Temporary | Permanent | Temporary | |
| **City.** | | | | | | | |
| Marathi Schools ... | 2,032 | 280 | 150 | 8 | 2,182 | 288 | 2,470 |
| Gujarati Schools ... | 438 | 99 | 84 | 37 | 522 | 136 | 658 |
| Urdu Schools ... | 328 | 67 | 87 | 20 | 415 | 87 | 502 |
| Hindi Schools ... | 116 | 28 | 47 | 4 | 163 | 32 | 195 |
| Tamil, Telugu, Kanarese, Malayalam, etc. Schools. | 40 | 4 | 20 | 5 | 60 | 9 | 69 |
| English Primary Schools ... | 12 | ... | 13 | 2 | 25 | 2 | 27 |
| Sindhi Schools ... | 32 | 8 | ... | ... | 32 | 8 | 40 |
| Total ... | 2,998 | 486 | 401 | 76 | 3,399 | 562 | 3,961 |
| **Suburbs.** | | | | | | | |
| Marathi Schools ... | 348 | 45 | 54 | 1 | 402 | 46 | 448 |
| Gujarati Schools ... | 81 | 7 | 25 | 3 | 106 | 10 | 116 |
| Urdu Schools ... | 36 | 11 | 28 | 6 | 64 | 17 | 81 |
| Hindi Schools ... | 17 | 7 | 31 | ... | 48 | 7 | 55 |
| South Indian Schools (Tamil Schools). | 2 | 1 | ... | ... | 2 | 1 | 3 |
| Sindhi Schools ... | 24 | 7 | 5 | ... | 29 | 7 | 36 |
| Total ... | 508 | 78 | 143 | 10 | 651 | 88 | 739 |
| Grand Total ... | 3,506 | 564 | 544 | 86 | 4,050 | 650 | 4,700 |

# LABOUR DEPARTMENT

*Subject*: Administration report for the year 1952-53.

Smt. F. A. Irani held the post of the Labour Officer throughout the year under report:—

2. *Labour Staff.*—The number of staff employed by each of the departments of the Corporation is as shown below:—

**Table No. I.**

| | | |
|---|---|---|
| (1) Engineering— | | |
| (*a*) Construction | 1,678 | |
| (*b*) Drainage | 1,352 | |
| (*c*) Maintenance | 2,242 | |
| (*d*) Municipal workshop, Pumping Stations and Dadar Purification Works, etc. | 1,400 | |
| (*e*) Suburbs | 324 | |
| | | 6,996 |
| (2) Estate Agent and Land Manager | | 545 |
| (3) Fire Brigade | | 362 |
| (4) Health (Conservancy inclusive) | | 12,044 |
| (5) Hydraulic Engineer (Water Works) | | 2,485 |
| (6) Hospitals | | 1,798 |
| (7) Printing Press | | 219 |
| (8) Superintendent of Gardens | | 572 |
| (9) Superintendent of Markets (including Suburbs) | | 507 |
| (10) Other departments | | 1,654 |
| Total | | 27,182 |

The above table also includes the employees of the 7 Hydraulic Engineer's Department belonging to inferior services. They comprise of over 200 categories scattered over the area of Greater Bombay and working at places even outside the limits of Greater Bombay.

3. *Trade Unions.*—The trade unions shown hereafter represented the Municipal employees. The departments for which they were formed, the date from which they were functioning and their membership as on 31st March 1951 and 31st March 1952, respectively, have been shown against each. In the remarks column it is shown whether the trade union is a registered union or not.

**Table No. II.**

| Name of the Union. | Category or department. | Date of Establishment. | Membership as on 31-3-1951. | Membership as on 31-3-1952. |
|---|---|---|---|---|
| (1) The Bombay Municipal Kamgar Sangh | Sweepers, etc., belonging mostly to Mahar community. | 1-4-1933 | 2,038 | 2,112 |
| (2) The Municipal Workers' Union. | Includes all categories of labour staff belonging mostly to Water Works, Architect and Malaria dept. | 27-2-1935 | 1,153 | 1,630 |
| (3) The Bombay Sweepers' Union. | Any worker who is connected with the work of scavenging and cleansing of streets, drains and open spaces belonging to the public, Port Trust and Government. | 30-7-1944 | ... | 1,297 |
| (4) The Bombay Municipal Subordinate Staff Union. | Any employee engaged in the Bombay Municipal Corporation in Subordinate service. | 2-8-1946 | 1,007 | 651 |
| (5) The Bombay Municipal Hospital Employees' Union. | Hospital employees of mostly class IV services. | 8-5-1946 | 836 | 1,560 |
| (6) The Bombay Fire Services Union. | Workers engaged in Fire services... | 24-4-1946 | 363 | Not registered |
| (7) The Municipal Peons' Union. | Persons belonging to the category of peons in the Bombay Municipal Corporation. | 1945 | ... | 398 |
| (8) The Bombay Municipal Servants' Union Suburban Branch. | Any person working in any capacity in any department of the Bombay Municipal Corporation. | 2-4-1949 | 996 | 660 |
| (9) The Bombay Municipal Health Visitors' Union. | Health Visitors ... | 18-1-1951 | 20 | Not registered |
| (10) The Bombay Municipal Kamgar Union. | Includes all categories of labour staff in the Bombay Municipal Corporation. | 18-8-1951 | 1,205 | 645 |

4. *Labour Relations.*—Labour relations during the year were very congenial and there was no dislocation of work. The staff of the Nair Hospital was a little restive and the Bombay Municipal Hospital Employees' Union had served a notice of strike on their behalf. The matter was however settled amicably and the strike notice was withdrawn.

5. *Joint Councils.*—In addition to the eight councils already functioning for the Water Works Department, Subordinate Staff, Fire Brigade Staff and the K. E. M., Sion, Nair, Arthur Road and G. T.B. Hospitals, one more joint council for the peons, etc., staff was started during the year under report. These councils worked more or less on lines of the Whitley Councils of Great Britain. The scope of the work of these councils was elastic enough to allow discussion and recommendations on all matters pertaining to conditions of service. They helped to promote cordial relations between the staff and the administration.

6. *Complaints.*—Complaints received by the Labour Officer were quite varied but generally pertained to delay in payment of salaries or settlement of provident fund accounts, supercession of certain employees or promotion of certain employees disregarding the seniority of others and departmental punishment. The Labour Officer was requested to intervene when cases were investigated by the Test Audit Officer and even when the Municipal Commissioner had passed orders. All such complaints were examined and whenever it was noticed that a case required further scrutiny it was reopended. Further whenever it was found that the complaint was not well-found and the departmental action was justified, the Labour Officer took the opportunity to impress upon the persons concerned their shortcomings. This established a good liaison between the labour and the administration and removed misunderstandings both of the workers and officers. It was noticed that at times some workers could not get any one to write complaints for them or sometimes the complaints were so written that they were not properly understood. With a view to avoid delay in the disposal of complaints, they were either written in the office for the persons or if they were written complaints, they were scrutinized to see whether all the facts were brought out in the complaints. This procedure helped especially the illiterate workers. The following table gives some idea of the nature of complaints received by the Labour Officer and how they were disposed of.

**Table No. III**

| Nature of Cases. | Total No. of cases received during the year including pending from last year. | Total No. of cases in which grievances were redressed. | Cases found unjustified | Cases found not genuine | Pending. |
|---|---|---|---|---|---|
| No chances for employment or very irregular employment though recruited, applications for preferential treatment and applications for recruitment ... | 281 | 166 | 36 | 53 | 26 |
| Applications for promotion, transfer, confirmation and for grant of annual increments ... | 183 | 99 | 35 | 29 | 20 |
| Applications against fine, reversion, suspension, dismisal and any other punishment ... | 72 | 42 | 16 | 14 | ... |
| Delay in payment of salary (including salary for injury and maternity) or allowances ... | 102 | 89 | 12 | 1 | ... |
| Delay in settlement of Provident Fund and other retirement benefits ... | 121 | 112 | 3 | 1 | 5 |
| Non-supply of equipment and uniform ... | 14 | 9 | 2 | ... | 3 |
| Delay in granting leave due ... | 24 | 19 | 2 | 1 | 2 |
| Applications for house rent or accommodation or transfer of present quarters ... | 199 | 129 | 21 | 25 | 24 |
| Miscellaneous ... | 438 | 356 | 30 | 19 | 33 |
| Total ... | 1,434 | 1,021 | 157 | 143 | 113 |

The Labour Officer also attended the hearings of day-to-day offence cases of the staff at the K. E. M. Hospital and the Fire Brigade.

7. *Welfare Organization.*—The welfare activities were conducted for Municipal employees at 20 labour welfare centres. Out of these centres, 12 were run for the benefit of the employees of Conservancy Branch, 5 for Hospital Employees, 2 for Water Works employees and one for M. E.'s employees.

During the year under report the Department opened Andheri centre (Conservancy).

*Recreational and cultural activites.*—Indoor as well as out-door games were played daily at the centres. Indoor games included Carrom, Ludos, Snakes and Ladders, Chaupat, Draughts, etc. With a view to create a cultural interest, folk songs, folk dances, Garbas, recitation both in prose and poetry, were arranged. Outdoor games included Volley-ball, Foot-ball, Cricket, Kho-kho, Atyapatya, Hu-tu-tu, Langdi, and several other Indian games. In addition to these games, physical culture and other gymnastic activities were also conducted, for which akhadas were provided at Chembur, Cochin Street, Dadar, Love Grove and Palton Road centres. Parallel bars, Single bar, Roman rings, Trapiz bar, Weight-lifting apparatus, Malkhamb, Bhalas and Parshus were provided to these centres. Band practice was held at six centres having band equipment. Bands were also played at the functions of the organization. At other centres where Tabla and Harmonium were provided Musical classes were conducted. Listeners groups were organized at centres where radios were installed. Besides, various group games that foster spirit of cooperation and friendliness were played daily on the field before dark. Following table shows the daily attendance of adults and children at different centres.

**Table No. IV.**

| Name of the centre. | | Adults. | Children. | Total. |
|---|---|---|---|---|
| Agripada | ... | 49 | 79 | 128 |
| Andheri | ... | 32 | 53 | 85 |
| Arthur Road Hospital | ... | 25 | 52 | 77 |
| Arthur Road Stables and Chinchpokli | ... | 53 | 129 | 182 |
| B. Y L. Nair Hospital | ... | 45 | ... | 45 |
| Chembur | ... | 41 | 136 | 177 |
| Cochin Street | ... | 42 | 61 | 103 |
| Dadar | ... | 46 | 81 | 127 |
| Delisle Road | ... | 20 | 44 | 64 |
| Ghatkopar | ... | 30 | 67 | 97 |
| G. T. B. Hospitals, Sewri | ... | 40 | 50 | 90 |
| K. E. M. Hospital and Naigaum | ... | 85 | 89 | 174 |
| Khar | ... | 23 | 47 | 70 |
| Kurla | ... | 20 | 71 | 91 |
| Love Grove | ... | 26 | 57 | 83 |
| Mahalaxmi | ... | 42 | 54 | 96 |
| Municipal Group of Hospitals, Sion | ... | 36 | 64 | 100 |
| Palton Road | ... | 60 | 112 | 172 |
| Prabhadevi | ... | 26 | 61 | 87 |
| Umarkhady | ... | 35 | 84 | 119 |
| | Total ... | 776 | 1,391 | 2,167 |

*Educational activites.*—In order to createa ninterest in the workersi n educational activities, literacy classes were conducted for men and women at some of the centres by the part-time workers. School-going children were given guidance in different school subjects. Workers' interest was also evoked in Debates and Elocutions and subjects pertaining to their every-day life problems were discussed. The subjects ranged from Joint Family sytem, Family Planning, Work Life, Caste- sytem to Prohibition, etc. Elocution Competitions on various subjects were conducted at the centres. Keen interest was taken by the children in this activity and prizes were given to the best speakers in Debate and Elocution Competitions.

To keep the workers in touch with current topics News-papers and Magazines in Gujarati, Hindi and Marathi were provided at various centres. They were also provided with books of general interest. Welfare Organizer, the Assistant Welfare Organizers and the part-time workers took advantage of the attendance of the adults at the centres, at the functions and at the congregations in their chawls to explain to them current topics and daily news.

*Hygienic activities.*—To inculate habits of cleanliness in their homes and surroundings, campaigns were started and health guards and volunteers from amongst the chawl-people demonstrated the work by sweeping with brooms, and by using dis-infectant powder. Through the courtesy of the Director of Publicity, Bombay Government, Secretary, City Prohibition Committee; Propaganda Officer, Bombay Municipal Corporation; United States Information Services, etc. documentary films of Educative and recreative value were shown to the albourers who showed their interest and appreciation by turning up in great numbers at these shows.

A Health Exhibition welfare centre for 3 days from 17th May 1952 was also organized at Kurla in co-operation with the Propaganda Officer, Bombay Municipal Corporation. Prizes were distributed to the healthy babies and to those whose rooms were neat and tidy.

*Social activities.*—To encourage community feeling and inculcate spirit of co-operation and peaceful living and also to make them utilize their leisure-time in creative, constructive and joyful activities, different social functions and celebration of festivals were arranged. Besides Pujas and Bhajans, programmes were organized to celebrate Ganapati, Navratra, Haldi-KumKum and Diwali festivals. During the celebrations the residents of the chawls attached to the centres gave programmes of entertainment, sports, Garbas and Bhajans.

Ganapati functions were celebrated at the following centres; (1) Agripada, (2) Chembur, (3) Cochin Street, (4) Dadar, (5) G. T. B. Hospitals, (6) Mahalaxmi and (7) Palton Road.

Navratra functions were celebrated at (1) Arthur Road, (2) Prabhadevi and (3) Umarkhady centres. Prizes were distributed to the regular participants in centres activities.

Haldi Kumkum festival was celebrated at (1) Palton Road, (2) Arthur Road Hospital, (3) Agripada, (4) K. E. M. and Naigaum (Hospital), (5) Sion (Hospital), (6) Chembur, (7) Love Grove, (8) Dadar, (9) G. T. B. (Hospital) centres.

Besides the above, Annual Day functions were also celebrated at the following centres. (1) B. Y. L. Nair Hospital, (2) Delisle Road, (3) Ghatkopar, (4) K. E. M. Hospital and Naigaum, (5) Kurla, (6) Love Grove and (7) Municipal Group of Hospitals, Sion. The department also celebrated Independence Day at (1) Dadar, (2) K. E. M. Hospital, (3) Palton Road and (4) Umarkhady centres.

The other important celebration at the centres was the Republic Day. It was celebrated at the Arthur Road Stables and was presided over by the Municipal Commissioner, Shri R. R. Nayak. The function was well attended by the employees. The employees and their children presented interesting items. The Garbas, folk songs, folk dances, tableau, dramas, etc., were much appreciated by the audience.

In order to make the functions interesting and create healthy competition amongst the artists of different centres, they were given opportunity to observe and also to give performances at the functions of centres other than their own.

*Dramatic activites.*—In some of the centres, workers presented dramas which were organized, directed and staged by themselves. In th's respect, workers at the Agripada, Arthur Road Hospital, K. E. M. Hospital and Naigaum, Municipal Group of Hospitals, Sion and Palton Road centres were foremost.

*Musical activities.*—The members of the musical club at the Arthur Road Hospital and Arthur Road Stables centres had the honour of playing the Music whenever, the Mayor gave civic receptions to distinguished guests. Besides they also gave musical programmes to the public on several occasions at the Victoria Gardens, Kings Circle, North-Brook Gardens, etc.

*Programmes to outside agencies.*—Opportunities were also afforded to our players and artists to give programmes to the following institutions.

(*i*) Under the auspices of Bharat Bal Sangh, a Children's week was celebrated in the month of April 1952. The Welfare Organization gave items like physical feats, Ras and Garba which were much appreciated by the audience. The Arthur Road centre secured the second place in the physical culture competition.

(*ii*) The Tata Institute of Social Sciences organized a Baby Show at Government Labour Welfare Centre, Worli, to celebrate Gandhi Jayanti. The children of the K. E. M. Hospital gave items of entertainment.

(*iii*) The Tata Institute of Social Sciences organized a camp for the children of Worli area at Malad at which 15 boys and girls from the Love Grove centre participated.

(*iv*) At the Diwali Celebrations organized by the Controller of Stores, the Welfare Organization presented interesting items.

(*v*) When the Mazgaon Night High School celebrated the Social Education Week, our band players at their invitation welcomed the prominent leaders and Ministers of Bombay Cabinet who presided its various meetings.

*Programme by outside agencies.*—To supplement the programmes at the centres and to provide opportunities for our artists to see the talents of professionals and other artists, programmes by outside agencies were arranged at the centres. We are in this respect grateful to the Sarvodaya Kala Mandir. The Mandir presented Gujarati programmes which besides entertaining, interpreted to the labourers various Government sponsored schemes for the uplift of the masses, such as Prohibition, Zamindari abolition untouchability etc. These programmes were arranged at Dadar, Umarkhady and the Arthur Road Stables centres.

Puppet-shows depiciting mythological stories were organized at Arthur Road Stables and Umarkhad f centres.

*Paricipation in local tournaments.*—The artists and players of our centres also entered in outside tournaments and competitions. The children of the Arthur Road Stables and the Cochin Street centres participated in a Ras and Garba competitions, organized by Indian National Theatre. They won a trophy for selecting the best song for the Ras.

*Sports.*—Labourers' participation in the Sports activities created in them sportsman spirit, friendliness and feeling of cooperation which enabled them to make better adjustment at play, home and work. The 13th Annual Sports was, therefore, organized at St. Xavier's ground on 4th April 1952. The participants of the K. E. M. Hospital and the Palton Road welfare centres won the championship shields and prizes were distributed to the winners.

*Picnics.*—The part played by picnics, outings and excursions in the restoration of spirit and vigour of the labourers, their women folk and children, deserves some mention. The Welfare Organization carried out picnics and excursions for the labourers at various places of interest. The number of participants was restricted to the regular participants in the centre's activities. In the Men's picnic that was organized at the National Park, Borivli, and the Aray Colony, 448 labourer from different centre participated in it. In the Women's picnic 143 women from different centres were taken to Matheran on a 3 days outing, while 97 were taken Aray Colony and National Park.

*Scouting.*—Scouting also played its role at the welfare centres. The Scouts and Guides did the following valuable work during the year under report.

(*i*) *Training camp for scouts and guides.*—The training camps for scouts and guides were organized at Byrambaugh, Jogeshwari and at the K. E. M. Hospital in the month of May and July 1952, respectively, where 67 scouts and women part time workers took the training.

(*ii*) *Camping.*—The scouts and rover-crew from Love Grove and Dadar centres camped at Jogeshwari and Baroda respectively. Further, about 114 scouts and rovers from various welfare centres camped at the Byrambaugh, Jogeshwari.

(*iii*) *Outings for cubs.*—The cub-packs of the Arthur Road, Dadar and Chinchpokli centres were taken to Victoria Gardens, Prince of Wales Museum and Jogeshwari, respectively.

(*iv*) *Maintenance of law and order.*—Our scouts and rovers, on an invitation from the Bharat Scouts and Guides Association, attended several functions and public meetings to maintain law and order. The following are some of the important functions and meetings attended by them.

Narial Poornima festival at Chowpatty and Shivaji Park, Ganapati Immersion ceremony at Chowpatty, Procession organized by the All India Animal Welfare Association. Anti-Rat Day at Umarkhady, Social Education Week organized by the Bombay City Social Adult Education Committee, the World Child Welfare Conference and Child Welfare Exhiition at the Convocation Hall, Guard of Honour to Shri Morarji Desai, Chief Minister, Bombay State, at the occasion of the inauguration of the Mahalaxmi Prohibition Committee, Prohibition Week organized by the Bombay Government, etc.

Our scouts and guides also participated in the Rally at St. Xavier's School ground, arranged to honour Dame Leslie Whatley, Director of World Associaton of Girl scouts and Girl Guides and also in the camp fire farewell to H. E. Raja Maharaj Singh.

Besides, the scout-masters and cub-masters attended regular meetings and study circles arranged at the Scout Hut by the Bharat Scouts and Guides Association.

There were 160 cubs, 150 scouts, 160 rovers, 255 bulbuls and 50 guides and 30 trained scout and guide officers on the roll during the year under report.

*Women's activities.*—The organization conducted sewing classes for women and girls at the centres, where knitting, embroidery, handicraft work and fancy work was taught. The women were also encouraged to get their own and their children's clothes stitched and mended on the machines provided at the centres. The following table shows the daily attendance at different sewing classes.

**Table No. V.**

| Name of the centre. | | No. of women. |
|---|---|---|
| Andheri | ... | 13 |
| Agripada | ... | 22 |
| Arthur Road Hospital | ... | 16 |
| Arthur Road Stables and Chinchpokli | ... | 41 |
| Chembur | ... | 24 |
| Cochin Street | ... | 25 |
| Dadar | ... | 40 |
| Delisle Road | ... | 16 |
| Group of T. B. Hospitals | ... | 16 |
| K. E. M. Hospital and Naigaum | ... | 48 |
| Kurla | ... | 10 |
| Love Grove | ... | 18 |
| Mahalaxmi | ... | 20 |
| Municipal Group of Hospitals, Sion | ... | 22 |
| Palton Road | ... | 45 |
| Prabhadevi | ... | 18 |
| Umarkhady | ... | 25 |
| | Total ... | 419 |

The women folk and the girls also participated in the daily programmes of folk songs and folk dances, Garba, Ras, etc., conducted at the centres.

*Maternity unit.*—The maternity unit attached to the Chembur welfare centre continued to do its useful work. The ante-natal and post-natal clinics at the maternity unit were in charge of a qualified lady doctor. The following table shows the number of cases treated during the year under report.

**Table No. VI.**

| | | |
|---|---|---|
| Ante-natal clinic | ... | 1,436 |
| Post-natal clinic | ... | 253 |
| Confinement cases in the unit | ... | 97 |
| Confinement cases at home | ... | 11 |
| Women and children treated for minor ailments | ... | 1,829 |

8. *Miscellaneous.*—The Labour Officer attended the Sixth International Conference of Social Work held at Madras in the month of December 1952.

Hon'ble Shri B N. Datar, Dy. Minister, Home Department, Government of India, visited the Arthur Road Stables and Chinchpokli welfare centres and expressed his deep satisfaction of the work done at the centres

F. A. IRANI,
*Labour Officer.*

# PART I

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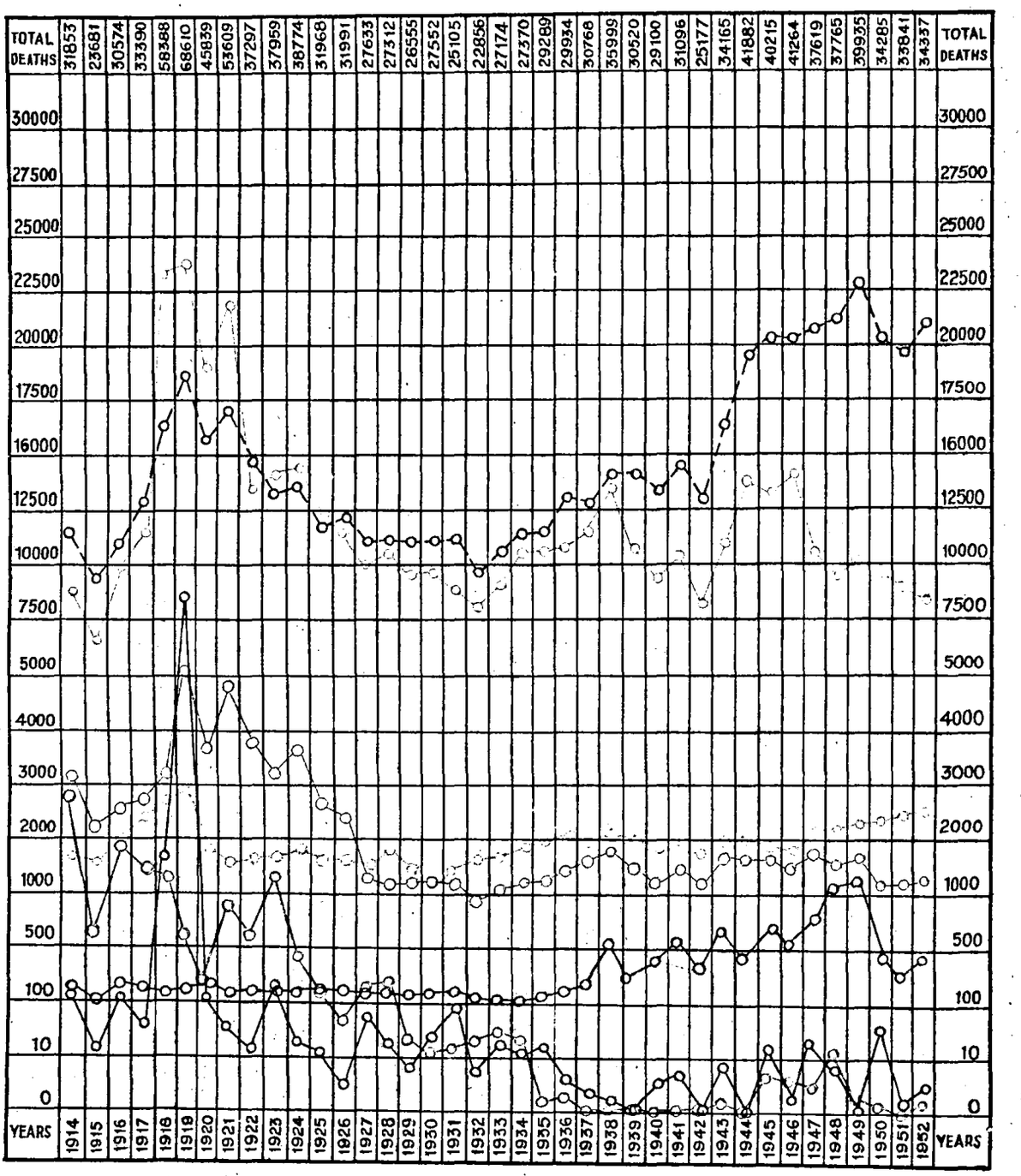
# SUMMARY OF STATISTICS

## FOR THE YEAR 1952

| | | |
|---|---|---|
| 1 | Area of Bombay City and Island | 26.189 Sq. Miles (16761.5762 acres) |
| 2 | Density of population per acre | 139 |
| 3 | Population — Census of 1951 | 23,25,945 |
| | Population — Mid year estimated (provisional) | 24,41,000 |
| 4 | Total live births registered | 66,125 |
| 5 | Birth rate per 1,000 population — Census 1951 | 28.4 |
| | Birth rate per 1,000 population — Mid year estimated | 27.0 |
| 6 | Total deaths | 34,337 |
| 7 | Death rate per 1,000 population — Census 1951 | 14.8 |
| | Death rate per 1,000 population — Mid year estimated | 14.0 |
| 8 | Total deaths among infants (under 1 year) | 9,334 |
| 9 | Infant deaths per 1,000 live births | 141.1 |
| 10 | Maternal Deaths | 87 |
| 11 | Maternal Death rate per 1,000 births (including still births) | 1.2 |
| 12 | Maternal Death rate per 1,000 live births | 1.3 |
| 13 | Still Births | 3,151 |
| 14 | Plague—deaths | 2 |
| 15 | Cholera—deaths | 6 |
| 16 | Small pox (*a*) deaths | 120 |
| | Small pox (*b*) death rate | 0.05 |
| 17 | Influenza (*a*) deaths | 2 |
| | Influenza (*b*) death rate | 0.0 |
| 18 | Tuberculosis—(*a*) deaths | 2,595 |
| | Tuberculosis—(*b*) death rate | 1.1 |

# DIAGRAM "A"

## ANNUAL TOTAL DEATHS FROM DIFFERENT CAUSES IN BOMBAY CITY 1914—1952



# ANNUAL REPORT OF THE EXECUTIVE HEALTH OFFICER FOR THE YEAR 1952

Dr. V. V. Puri M.B.B.S., D.P.H., D.T.M., held the post of the Executive Health Officer throughout the year.

## REVIEW OF THE YEAR

**(1) Outstanding Activities—**

**(i) Reorganisation of the Public Health Department.**—Messrs Ibcon Ltd., completed their studies in the Malaria and Insecticide, Vaccination and Sanitary Sections and the Head Office of the Department. Their scrutiny indicated a potential reduction of 658 persons from the reference period staff of 1,467 persons.

Actual implementation of the recommendations so far resulted in the reduction of 316 persons till the end of December 1952. The resultant cumulative net savings amount to Rs. 4,57,113, the monthly rate of savings being Rs. 25,466 during December 1952.

**(ii) Anti rat Week** was observed when Ward-wise anti-rat campaign comprising propaganda drive and intensification of rat destruction work was done in B, F and G Wards.

**(iii) Eight New Free Family Planning** Clinics were started in March 1952 bringing the total number of such clinics in the City to 15. Instructions regarding spacing of births on medical grounds were given to necesitous married women at these clinics by Lady Doctors, with a view to saving maternal and infant mortality.

**(2) Population.** The census enumeration of 1951 put the figure of the population of the City provisionally as 23,25,945 (Table 1)*. This figure has been taken as the basis for rates for vital statistics in this report. The mid-year estimated population of the City was calculated to be 24,41,000 provisionally.

**(3) Density of Population.**—The area of the City is 26.189 sq. miles (16761.5762 acres). The density of the population was 139 per acre. (Table 2).

**(4) Meteorology.**—Meteorological data for the year is given in table 3.

**(5) Rain Fall.**—The total rain fall in inches recorded at the Colaba Observatory during the year was 63.33 as against 70.41 in 1951 and 61.50 in 1950. It was below normal by 7.16 inches. Rain fell on 97 days as against 108 and 93 days in 1951 and 1950 respectively. The highest monthly rain fall was 27.51 inches in July as against 35.11 inches in July 1951.

**(6) Births and Deaths.**—66,125 Live Births and 34,337 Deaths were registered during the year as against 65,679 Live Births and 33,841 Deaths in the previous year. The rates of births and deaths per thousand of census population were 28.4 and 14.8 respectively, and 27.0 and 14.0 respectively per 1,000 of the mid-year estimated population.

## PUBLIC HEALTH ADMINISTRATION

The Public Health activities comprised of the following.

**(1) (i) Conservancy.**—It included the work of cleansing streets, gullies, footpaths, etc. The Conservancy Branch was in charge of a Head Supervisor, who had under him one Assistant, 16 Supervisors, 9 Senior Overseers, 120 Junior Overseers, 14 Depot Attendants, 20 Care-takers, 5 Dog Catching Sub-Inspectors and other staff, 2 Supervisors and 9 Overseers for the dog licensing work, 1 Senior Veterinary Inspector and 3 Junior Veterinary Inspectors (all qualified Veterinary Surgeons) for inspecting all public stables in the City. Veterinary section had under it the Municipal Bullock Hospital and the segregation sheds at Tardeo Flats. There were 9 Veterinary Assistants in charge of the eleven Health Department stables.

**(ii) General Sanitation.**—This comprised of inspection and supervision of all premises and taking steps to remedy any sanitary defect detected thereat; provision of sanitary conveniences; sanitary control over factories, other licensable trades, etc.

For sanitary administration, the city had been divided into seven Wards A to G, under five Assistant Health Officers. The island had been further sub-divided into 51 sections each in charge of a medical Assistant or a sanitary inspector. The 51 sections had been so grouped as to form 10 Registration and 18 sanitary districts each in charge of a Medical Inspector. There were 18 Medical Inspectors.

**(2) Food Sanitation.**—Comprised of control over adulteration of food, supervision over food exposed for sale and food-handling establishments, destruction of unwholesome food, etc.

For the control of milk, three Sanitary Inspectors and 14 Sub-Inspectors were employed. Sampling of milk was carried out by these three Sanitary Inspectors (Milk) and by Milk Sub-Inspectors under the supervision of the former. The 18 Medical Inspectors also did this work and they were responsible for taking samples of other articles of food under the Prevention of Adulteration Act. One Food Inspector assisted by 4 constables detected and destroyed unwholesome foodstuffs exposed for sale.

**(3) Registration of Vital Statistics.**—Included the arrangements for the registration of births and deaths occurring in the City, maintaining records of vital events affecting the health of the City, regulation of places for the disposal of the dead and providing new places for the said purpose, etc.

**(4) Control of Communicable Diseases.**—Comprised of Measures for the prevention of diseases such as Small-Pox, etc., provision of Hospitals for isolation and treatment, making arrangements for immunization of the public, etc.

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* The tables pertaining to this part of the report are printed in appendix 2.

**Cases of Infectious Diseases.**—(Except Tuberculosis and Leprosy) were treated at the Municipal Infectious Diseases Hospital at Arthur Road. It was under a Medical Superintendent with a permanent staff of 1 Resident Medical Officer, 3 Casualty Officers, 1 Junior Resident Medical Officer, 2 Junior Medical Assistants, 2 Medical Assistants, 1 Honorary Pathologist and Bacteriologist, 1 Laboratory Technician, 1 Matron, 1 Junior Assistant Matron, 5 Junior Sisters, 15 Staff Nurses and 8 Probationer Nurses etc., This staff was supplemented from time to time temporarily to cope with the increase in the number of patients.

**Cases of Tuberculosis** —were treated at the Municipal Group of Hospitals for Tuberculosis at Sewri. The staff consisted of a Medical Superintendent, 1 Resident Medical Officer, 2 Medical Assistants, 1 Honorary Surgeon 1 Honorary Physician, 1 Assistant Pathologist, 1 Honorary Radiologist, 2 Honorary Anaesthetists, 2 House Physicians, 2 House-Surgeons, 1 Honorary Pathologist, 1 Honorary Junior Physician, 2 Honorary Medical Assistants, 1 Honorary Assistant Physician and a Nursing Staff of 2 Matrons, 1 Senior Assistant Matron, 1 Junior Assistant Matron, 11 Sisters and 30 Staff Nurses.

The admission to these hospitals was regulated through the out-patients' clinic at Princess Street which was attended to by the Honoraries of the Hospital, 1 Medical Officer and 2 Honorary Radiologists, with 1 Sister, Nurse and 4 Health Visitors. Tuberculosis patients were also treated at the out-patients' Clinics at Foras Road and Lalbaug which were conducted by one Medical Officer and 2 Nurses.

**Venereal Diseases.**—These diseases were treated at the special Clinic at Bellasis Road which was under a Medical Officer with a Deputy Medical Officer, 2 Assistant Medical Officers and a Nurse.

**Leprosy.**—There was no Municipal Institution for the treatment of cases of Leprosy (in-patients), though the non-infectious types were dealt with at the Municipal General Dispensaries. This activity was carried out by the Board of Management of the Acworth Leprosy Home, Matunga.

The Anti Malaria and Insecticidal Services were carried out by an Insecticide Officer, with a staff consisting of 4 Malaria Inspectors, 84 Junior Overseers and 20 Disinfecting Sub-Inspectors and other labour staff.

The Vaccination staff included the Superintendent, 1 Head Vaccinator and 18 Vaccinators. This staff was supplemented to meet increased demand from time to time.

**(5) Maternal and Child welfare.**—Ante-natal care, care at birth, care during infant and pre-school life was rendered to the public through the 5 Municipal Maternity Homes under the charge of Lady Medical Officers, with a staff of 25 nurses and 20 Health Visitors. These Medical Officers attended to the Ante-natal, Post-natal and Infant Clinics attached to their respective Homes and to 10 subsidiary clinics. The Maternity Unit at Dharavi was in charge of 2 trained Health Visitors who worked under the guidance of one of the Medical Officers. Instructions and advice in spacing birth were given at 15 Family Planning Clinics. A Supervising Medical Officer (Maternity) was appointed from 1st March 1952 to supervise the Family Planning, Maternity and Child Welfare Activities.

**School Health Work in Municipal Schools.**—consisted firstly of Medical Inspection of school children by the inspection staff of 1 Medical Officer (Schools), 1 Deputy Medical Officer (Schools), 5 Assistant Medical Officers (Schools), and 7 School Health Nurses followed by correction of defects.

Children with physical defects or ailments were sent for treatment to dispensaries and institutions including Bai Yamunabai L. Nair Hospital and the special school clinic at the K. E. M. Hospital.

**(6) Municipal Laboratory.**—The analysis of samples of food, Municipal water Supply and of clinical specimens was carried out in the Municipal Laboratory by the Municipal Analyst, who was assisted by 1 Assistant Analyst, 3 Assistant Chemists, 2 Assistant Bacteriologists and 2 Junior Laboratory Chemists.

**(7) General Medical Relief.**—This was administered through 23 Free Dispensaries (one being Ayurvedic) under 26 Medical Assistants, 6 Dispensaries for Women and Children under 3 Part Time Lady Doctors, 1 Eye Hospital and an Eye Dispensary under 2 Honorary Surgeons and one Senior Nurse,

**(8) Health Education.**—The Health Publicity Section was equipped with one 35 m.m. Mobile Cinema Unit, a Public Address System, and 16 m.m. portable sound equipment for carrying out work in health education.

## 1. (i) CONSERVANCY

The Conservancy Branch rendered the following services.

**(1) Cleansing, of Roads, Foot Paths and House Gullies.**—Roads, foot-paths, and house gullies were swept daily. Some of the main roads were attended to more frequently as was found necessary. The House gullies were periodically flushed.

**(2) Road Scraping and Brushing.**—Roads were brushed and scraped to remove, dust, dung and fruit peelings from their surface. The main roads were periodically washed (*vide* tables 4 and 5).

**(3) Collection, Removal and Disposal of Refuse.**—Refuse gathered by sweeping roads, foot-paths and house gullies was collected in cane baskets or hand-carts and either carried to the nearest dust-bin shed or removed in travelling carts or lorries to the place of disposal, at least twice daily.

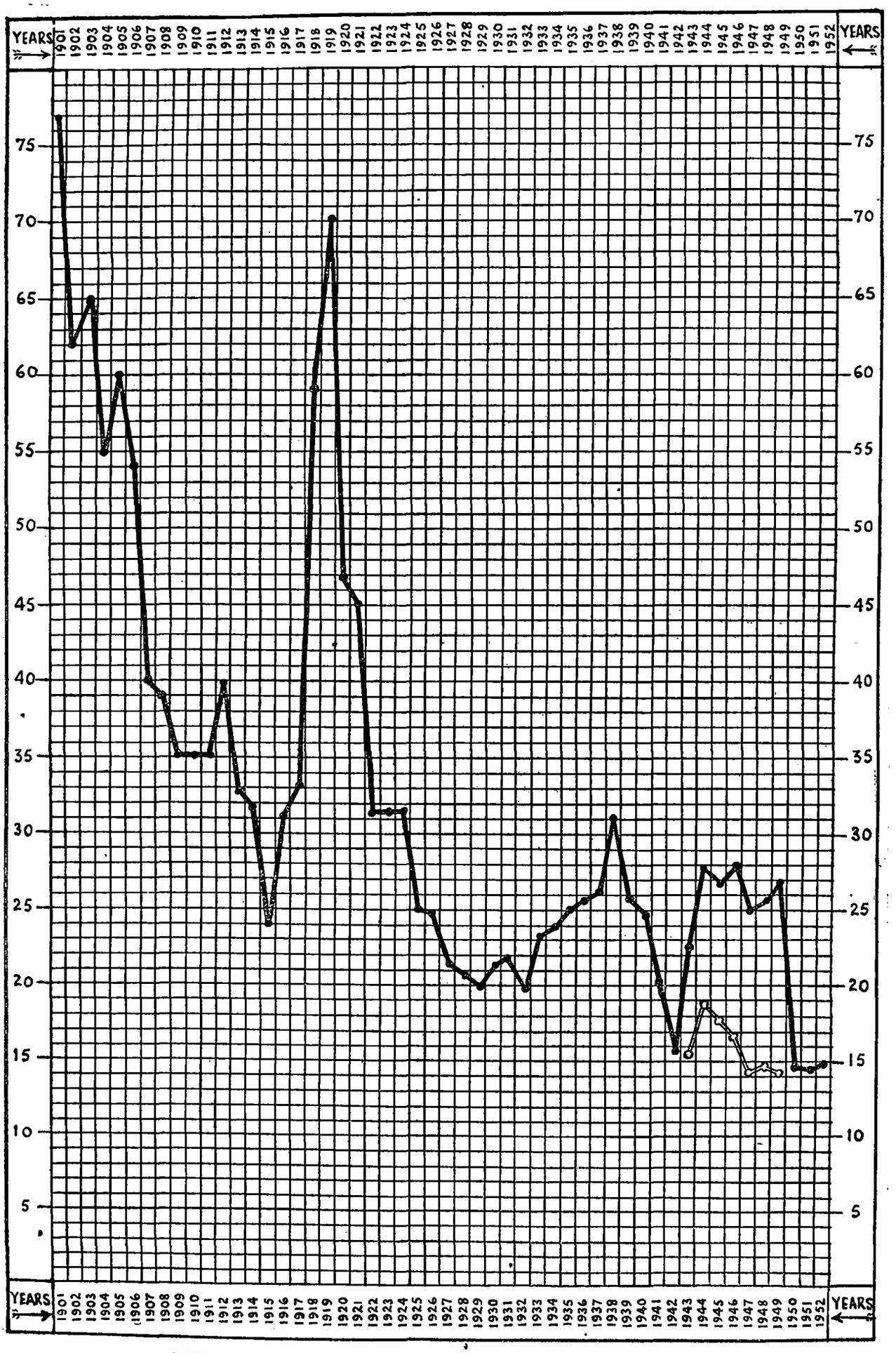
Refuse taken to the Mahalaxmi Refuse Siding was transported to Deonar daily in special refuse train which made three trips every day. The train had 25 to 30 wagons, each wagon having the capacity to hold nearly 16 to 18 tons of refuse.

Domestic refuse was collected in galvanised-iron receptacles having a capacity of two c. fts. with proper covers provided by the owners following actions taken by this Branch under section 368 of the Bombay Municipal Corporation Act. The owners were called upon to arrange for removal of refuse from their premises through their private servants either to the Municipal travelling carts, lorries or to the nearest dust-bin sheds. 3940 actions under section 368 were taken, out of which 1213 remained pending by the end of the year.

# DIAGRAM B

## ANNUAL DEATH RATE IN BOMBAY CITY

## (1901-1952).

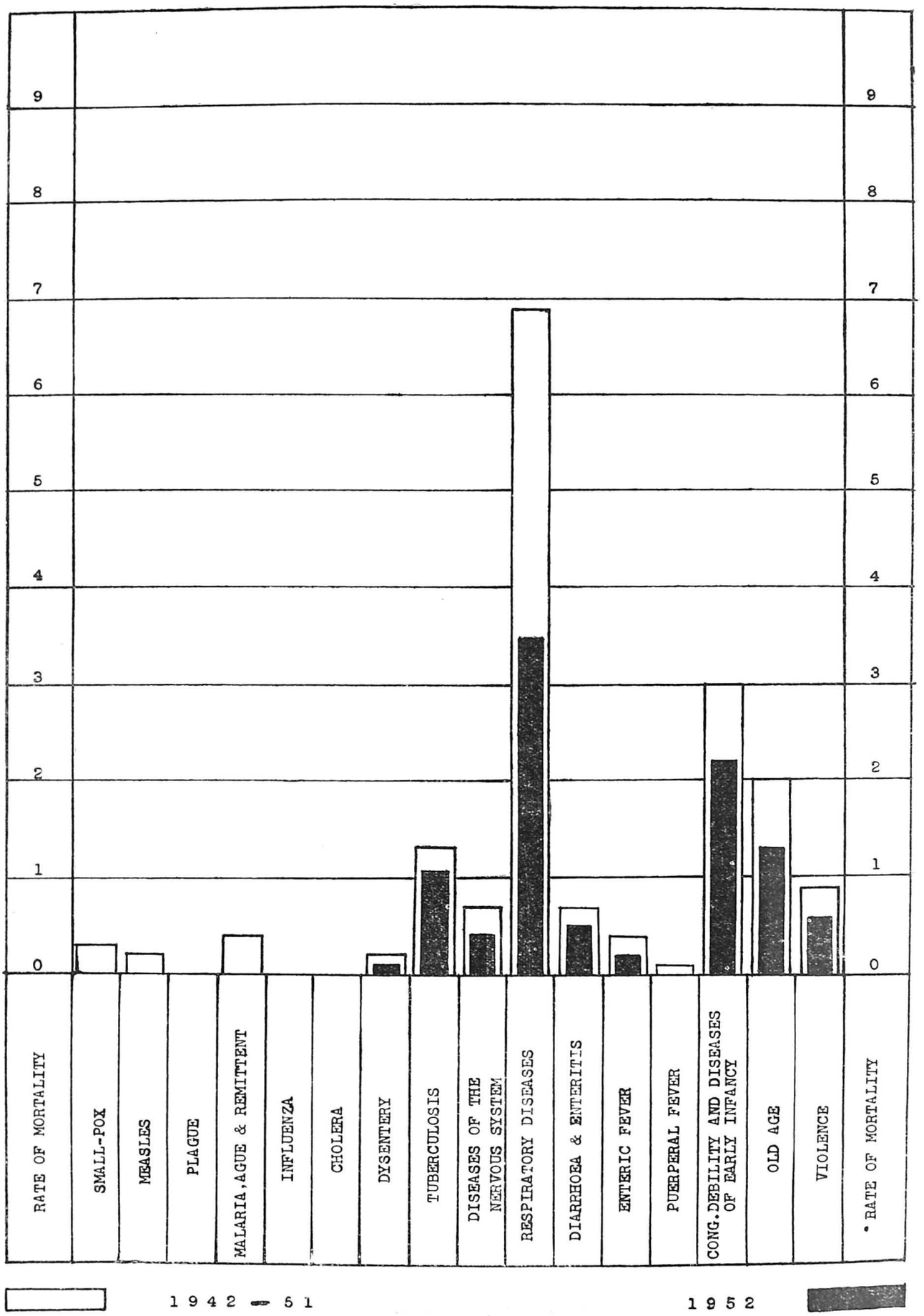



CENSUS POPULATION (1951) = 23,25,945. RATE OF CENSUS POPULATION:

RATIONING POPULATION (BEGINNING OF 1950)= 27,71,282. RATE ON RATIONING POPULATION:

# DIAGRAM C

## DEATH RATE PER 1000 POPULATION FROM PRINCIPAL CAUSES IN BOMBAY CITY IN 1952 AND THE DECENNIAL AVERAGE IN (1942-51)



There was only one refuse collection yard situated at Prabhadevi Road for depositing temporarily refuse collected by sweeping roads, gullies etc. Collection made at this yard was removed to the Mahalaxmi Siding by means of refuse lorries. Dry refuse was sent to (1) Hornby Vellard, (2) Haines Road, (3) Matunga Railway Lines, and (4) Dharavi for filling in low-lying lands. (*vide* tables 6, 7 and 8).

**Modernizing Removal of Refuse—Mechanization of Transport.**—The advance made in the method of transport of refuse by the introduction of mechanised vehicles in place of slow and out-moded bullock-traction, was kept progressing.

The fleet consisted of 37 Moto-Carts, 134 Scammell Trailers, 16 Mechanical Horses, 25 Fergusson Tractor Trailer combinations and 26 Motor lorries.

Motor vehicles worked in two shifts—from 6-30 A.M. to 2-30 P.M. and 2-0 P.M. to 10-0 P.M. Mechanisation of refuse transport had yet to be pushed further to replace about 74 bullock carts still plying for removing refuse in a few parts of the City. On an average 2141 tons of refuse was daily collected and removed.

Scammell Trailers replaced many dust-bin sheds which had been an eye-sore and even otherwise objectionable in many populous parts of the City, 65 sheds were still to be replaced.

**(4) Collection, Removal and Disposal of Night Soil.**—Basket privies, cesspools and septic tanks were attended to by the Halalkhore staff of this Branch. Night soil from the privies and vacant places was removed regularly. During the year 20 cesspool carts and 3 cesspool lorries were employed to cope with the work of basket privies and cesspools. (*Vide* tables 9 and 10).

Additional public sanitary conveniences on modern style were proposed to be constructed at the places where necessity was keenly felt by the public. Efforts were made to maintain the existing ones in a satisfactory state.

Public sanitary conveniences provided at different suitable places including latrines, urinals and bathing places were also attended to by the staff. (*Vide* table 11).

**(5) Rat Destruction Work.**—During the year rat killing operations were intensified.

The methods employed were (1) Trapping by Wonder Traps, (2) Gassing by Cyanogas 'A' Dust and Pumps, (3) Baiting by Barium Carbonate, (4) Flooding rat holes with water and killing rats when they come out, (5) Killing rats during night time when they come out by striking them in localities where grain godowns, markets, restaurants, hotels, stables etc., were situated.

Rats caught in different wards were sent to the Haffkine Institute for examination. (*Vide* table 12).

With a view to intensifying rat destruction work, and to educate public through propaganda, in order to enlist their whole-hearted co-operaton in reducing the growing rat menace in the City, anti-rat campaigns were organized in B and F wards where special anti-rat exhibitions were put up. Talks were broad-cast from vans There were mobile displays of posters and distribution of leaf-lets, procession of gangs carrying rat destruction placards and special anti-rat film shows.

During the two rat weeks, 10130 rats were captured in B Ward and 12538 in F Ward.

**(6) Dog Licensing and Dog Destruction work.**—With a view to minimizing the number of stray dogs in the City and reducing the incidence of hydrophobia and rabies the work of licensing the dogs and destroying stray ones was carried out as before—(*Vide* tables 13,14 and 15).

Anti-rabic treatment was available at Haffkine Institute and at the K. E. M. Hospital. There were 10380 dog-bite cases and 14 cases of hydrophobia.

**Immunization Work.**—The work of immunization of dogs on voluntary basis was started in April 1952. The amount of Rs. 72 was realised from immunization of dogs.

**(7) Catching and Impounding Stray Cattle.**—This work was carried out by the Police who caught and impounded 7673 animals.

**(8) Removal and Disposal of Dead Animals.**—Dead animals from the City were taken charge of and removed to Deonar for being handed over to the Skinning Contractor on an yearly contract. The contract for the year 1952-53 was given for Rs. 7,787. 741 big and 1086 small animals were removed by the Municipal Agency to the Mahalaxmi Siding and Rs. 6,718 were realised by way of removal charges.

**(9) Infectious Diseases Ambulance Service and Service for the Removal of Dead Bodies.**—Ambulances were maintained by this department at the Municipal Garage at Arthur Road. Local patients suffering from infectious diseases were removed to the Infectious Diseases Hospital free of charge. Patients from out-side the Greater Bombay Limits were supplied these ambulances on payment of a fee of As. 12 per mile. Such service was rendered, wherever the ambulances could be conveniently spared. There were four hearses and one dead-body van for the removal of dead bodies to their homes or to the cemeteries. For the service of the hearse, or dead-body van a charge of Rs. 5 was made for the first hour and Rs. 3 for every subsequent hour, exceptions being made in deserving cases. Hearses service was rendered free for the removal of Christian Pauper dead-bodies to cemeteries within the Greater Bombay Limits on production of a certificate from the Parish Priest. The hearse and the dead-body van were also made available for removal of dead bodies out-side Greater Bombay Limits on payment, provided they could be spared. (*Vide* table 16).

**(10) Prevention of various Types of nuisances.**—Various types of nuisances caused on account of throwing of refuse in the streets, gullies and public places; fouling of the public roads by urinating and defecating; indiscriminate spitting; choke in gully traps etc.

were dealt with through the Nuisance Detectors. Prosecutions were instituted in 3,589 cases under Section 372(e) of the Bombay Municipal Corporation Act out of which 182 were either acquitted, discharged or withdrawn. The total amount of fines inflicted was Rs. 14,223-8-0. Similarly 5,892 cases were instituted under Section 115 of the Bombay Police Act. The total amount of fines inflicted was Rs. 14,017.

Complaints about bad smell due to chokes in gully traps were received and 9,42,379 chokes were removed from the gully traps.

Steps were taken to educate the public in the matter of observing clean and healthy ways of living and arousing civic consciousness among the citizens through the publicity section.

Complaints about nuisance caused by monkeys and cats were also attended to by this Branch.

**(11) Veterinary Services.**—The vereterinary section of this Branch was in charge of all Municipal Bullock stables, two hospitals—one for Municipal bullocks at Kamathipura and the other for Infectious diseases of animals at Mahalaxmi Sidings. Animals from the private owners were also admitted in these Hospitals on payment of fixed fees. (*Vide* Table 17).

Private stables in the City were visited for detecting sanitary and other defects and for detecting cases of Rinderpest in City's stables.

Milch-cattle arriving in the City were immunized against rinderpest. The total number of animals immunized during the year was 24,450 out of which 22,780 were inoculated at Grant Road Railway Station and 1,670 in different stables in the City. 35 cases of rinderpest occurred.

**(12) Rendering Conservancy and Special Halalkhore Services.**—Conservancy and special Halalkhore services were rendered on payment of charges to Circuses, exhibitions and amusement parks and also big concerns and industrial establishments. During the year Rs. 37,728-5-0 were collected by rendering Conservancy service and Rs. 8,880-8-0 for special Halalkhore services. (*Vide* Table 18).

**(13) Salvaging Saleable Refuse.**—Empty tins and empty wooden boxes of decomposed food-stuffs, broken glasses, old gunny bags, paper boxes, scrap-iron etc., received at Mahalaxmi Siding for destruction were cleaned and sold by public auction, at Rs. 156.

**(14) Auction sale of Health Department Rights.**—Certain Health Department Rights entrusted to the Conservancy Branch were auctioned and sold to the highest bidders.

**(15) Sweepers' Chawls.**—Sanitation, maintenance and up-keep of all Municipal chawls was considerably improved.

Electric Lights were provided in the rooms in these chawls.

The procedure of allotment of rooms was regularised by drawing up and adopting a set of regulations designed to safe-guard the interest of the labour staff themselves.

Similarly a set of rules relating to occupancy was drawn up by which better sanitation could be enforced.

**(16) Co-operative Credit Societies for the Labour Staff.**—For the benefit of the labour staff Co-operative Credit Societies were conducted in every ward which proved very successful. (*Vide* Table 19).

## (1) (ii) GENERAL SANITATION

**Sanitary condition of the City.**—The principal causes contributing towards the insanitary conditions in some parts of the City were insufficiency of sewers and continuance of the basket privy system, high density of houses and persons per acre; some practical difficulties in the way of rendering adequate conservancy service both as regards the removal and disposal of refuse and shortage of water-supply. During the year under report, 84 basket privies were converted into water closets.

**Water Supply.**—The supply to the City was chlorinated. Apart from occasional complaints from individuals as regards unwholesomeness of water supply at certain points of the distribution system, there was no cause for complaint or apprehension as regards the safety of the water supplied to the City's population.

**Drainage.**—The work of providing sewerage in the north of the island was still incomplete.

**Sanitary control of dwellings.**—The routine inspection of dwellings presenting or likely to present sanitary defects was made by the Medical Assistants and Mediacl Inspectors under the general supervision of the Assistant Health Officers. During the year 2,929 insanitary huts were demolished.

**Sanitary Inspection.**—Details can be seen in Table 20.

**Slum Areas.**—These received special attention as their improvement or clearance have had to be deferred to more favourable times.

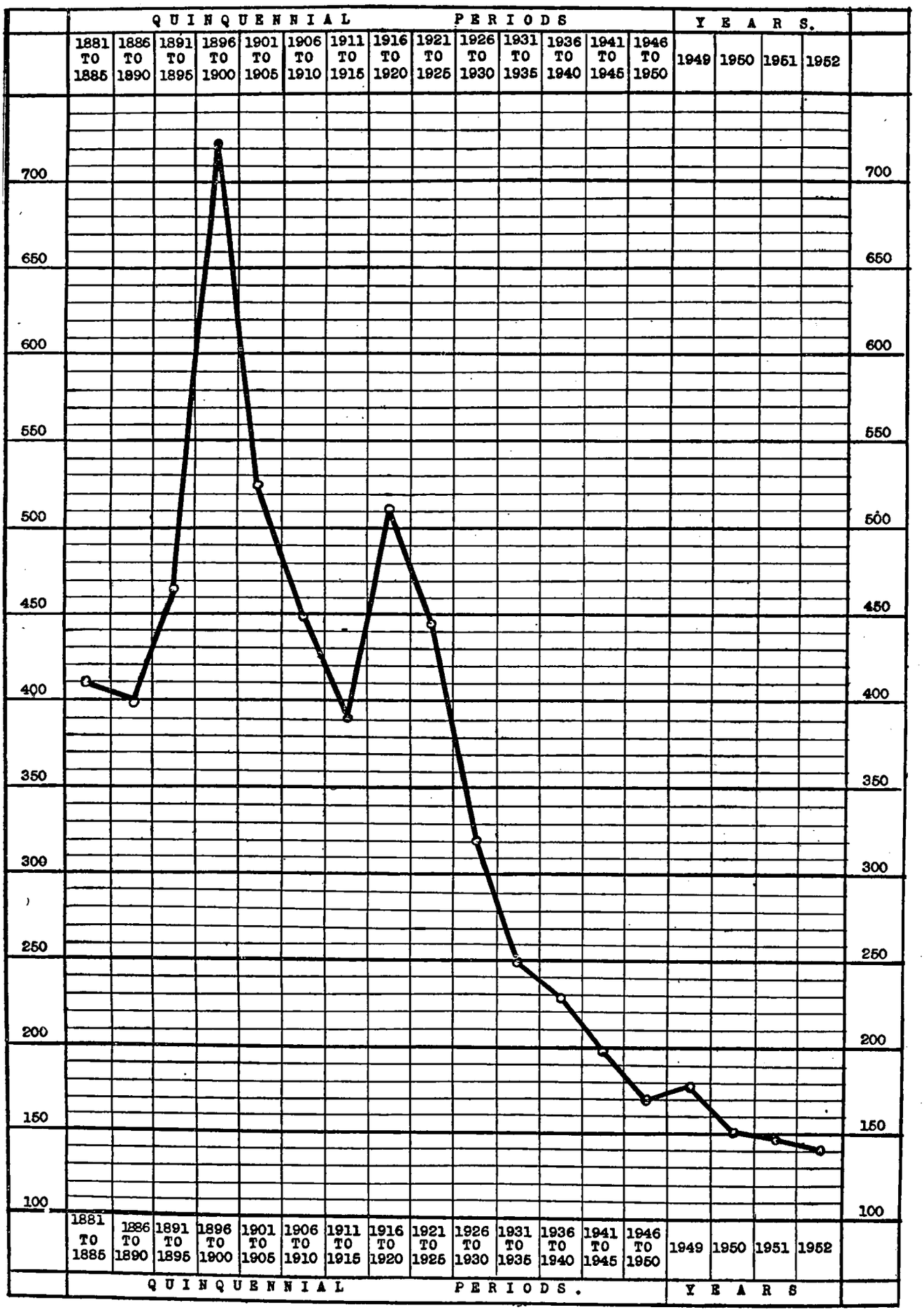
**Milch cattle stables.**—For details of the milch cattles and milch cattle stables removed from the City, Table 21 may be seen.

## 2. FOOD SANITATION

(*i*) Milk—*Vide* Table 22.
(*ii*) Unwholesome Food—*Vide* Table 23.
(*iii*) Statutory Notices and Court cases—*Vide* Tables 24 and 25.

# DIAGRAM D

## DEATHS IN INFANTS PER 1000 BIRTHS IN BOMBAY CITY (1881-1952)



# DIAGRAM E

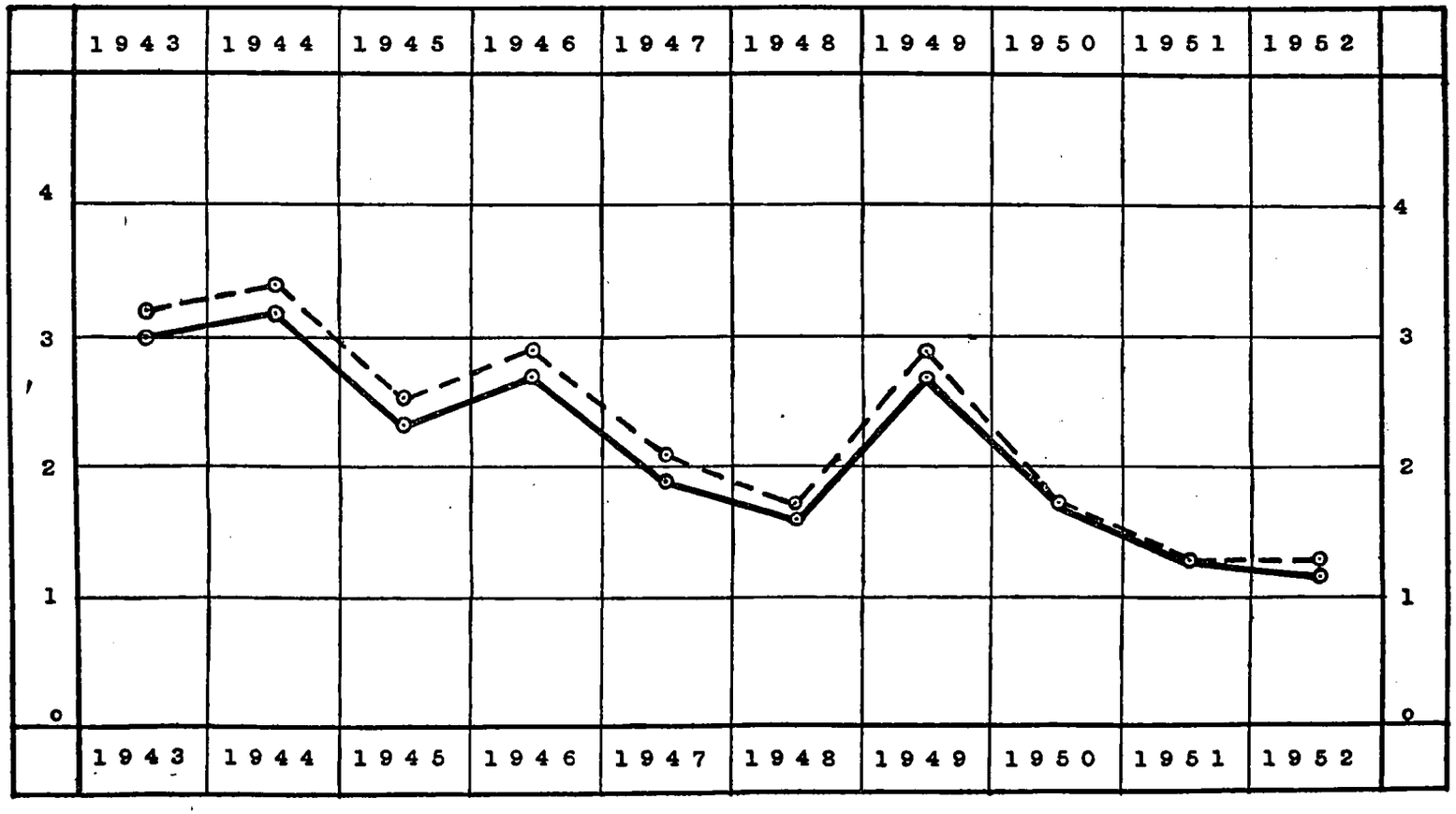
## RATE OF MATERNAL DEATHS PER 1000 OF BIRTHS

## (BOMBAY CITY)

RATE ON LIVE BIRTHS: o- - -o

-RATE ON BIRTHS INCLUDING STILL BIRTHS:- }

( * 1943 -- 1952 * )




| | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 |
|---|---|---|---|---|---|---|---|---|---|---|
| MATERNAL) DEATHS:) | 143 | 194 | 133 | 154 | 106 | 91 | 171 | 106 | 89 | 88 |
| BIRTHS | 47144 | 56907 | 53170 | 53469 | 50833 | 54629 | 58081 | 60597 | 65679 | 66125 |
| RATE | 3.0 | 3.2 | 2.3 | 2.7 | 1.9 | 1.6 | 2.7 | 1.7 | 1.3 | 1.2 |
| RATE | 3.2 | 3.4 | 2.5 | 2.9 | 2.1 | 1.7 | 2.9 | 1.7 | 1.3 | 1.3 |

## 3. VITAL STATISTICS

**(a) Birth and Birth rate.**—The live births registered during the year were 66,125 which were 446 more than in 1951 and 13,233 above the average of the decennium (1942-51). Of the registered births 34,255 were male and 31,870 female, giving a proportion of 107 males to 100 females. The birth rate was 28.4 per thousand of population. Details are given in Tables 26 27, and 27A.

The number of still-births reported during the year was 3,151 or 4.7 per cent. of live births.

**(b) Deaths and Death rate.**—The total number of deaths registered from all causes was 34,337 as against 33,841 in 1951 being 2,278 below the annual average mortality of the preceding ten years and 2,352 less than the mean mortality of the preceding five years.

The death rate per 1,000 of population was 14.8.

More than a quarter (27.2 per cent.) of the total deaths were among infants below 12 months, more than half of these (51.9 per cent.) were recorded as due to congenital debility or premature births or malformation etc.

The annual total deaths from different causes in Bombay City since 1914 are plotted in the graph 'A' facing page 1. For death rates *vide* diagram 'B' facing P. 2.

**(c) Mortality by Sex and age.**—Of the 34,337 deaths 19,185 were among males and 15,152 among females. The excess of deaths among males may be ascribed to the preponderance of males in the population, their number being nearly 63.5 per cent. of the total population. The death rate among females was, however, actually higher than among males. The male death rate was 13.0 and the female death rate 17.8 as against 12.5 and 18 respectively in 1951. Details are given in Tables 28, 34A and 34B.

**(d) Principal Causes of Deaths.**—(*Vide* Table 29). It will be seen from the diagram 'C' facing page 3, that diseases of the Respiratory system topped the list of causes of deaths as in the past, with a death rate of 3.5 per 1,000 of population. A large proportion of deaths from respiratory diseases occurred among infants and children under five years of age. Congenital debility and diseases of early infancy constituted the next most fatal cause giving a death rate of 2.2. The causes coming next on the list for the year were Tuberculosis (1.1) and old age (1.3).

**(e) Ascertainment of Causes of Deaths.** Details are given in Tables 30 and 31.

**(f) Mortality by months.**—is given in Table 32.

**(g) Mortality by Sections.**—is given in Tables 33 and 34.

**(h) Copies of Birth and Death Registry issued.**—During the year 10,453 copies of registry of death and 6,212 of birth were issued. The total fees received for copies of certificates for searches of births and death registers for various periods and for producing records in courts of Law amounted to Rs. 29,688 as against Rs. 26,181 in 1951.

**(i) Infant Mortality.**—Deaths among infants under one year of age numbered 9,335 which was 411 less than in the preceding year and 121 less than the annual average of the previous decennium. The infant mortality rate, for the year was 141.2 per 1,000 live births being the lowest ever recorded for this City, as against 148.4 for 1951.

Of the 9,335 infant deaths, 6,932 or 74.2 per cent. were among infants born in Bombay City and 2,403 or 25.8 per cent. were among those born outside the City (*Vide* Table 35). The births of these 2,403 infants were naturally not registered in the City Birth Registers. Excluding the 2,403 deaths of these infants from the number of infants who died in the City during the year, the infant mortality rate would be 104.8. How much of this reduction in the rate could be set off against the deaths of infants occurring outside the City, though born and registered in the City cannot be estimated. But in the absence of any specific cause or evidence of emigration the number must be small and therefore, the infant death-rate after correction for residence would be not much above 104.8 *i.e.*, 36.4 less than the recorded rate of 141.2. The number of deaths among out-born infants, whose births were not registered in the City, expressed as percentage of 25.8 to the total infant deaths as against 25.5 in 1951 and 24.6 in 1950.

Diagram 'D' facing page 4 shows the trend of Infant Mortality Rate in this City during the last 72 years.

**Causes of Infant Deaths.**—It will be seen from Table 36, that 7,392 or nearly 79.2 per cent. of the total infant deaths were due collectively to diseases of the respiratory system, infantile debility and premature births as against 7,768 deaths or 79.7 per cent. in 1951. Diarrhoea and Enteritis caused 614 deaths, Malaria 2 deaths, Ague, Remittent Fever and fever not defined 81 deaths and convulsions caused 221 deaths. Deaths from small-pox and Measles numbered 22 and 14 respectively while Poliomyelitis caused 3 deaths.

**Quinquennial averages.**—Compared with the annual average of the preceding five years, the total deaths among infants in 1952 was 19 more. An increase was however, recorded under Diseases of the respiratory system (81), Diarrhoea Enteritis (125), Ague and Remittent fever and fever not defined (16), while there was decrease under Infantile debility of (232), convulsions (52), Measles (19), Dysentery (3), Small-pox (15), Malarial Fever (1), and Poliomyelitis (2).

**Age of Deaths.**—*Vide* Tables 34A, 34B and 37. The infant deaths in the first week of life were 2,709 or 29.0 per cent. and in the age period 1 to 4 weeks 1,708 or 18.3 per cent. of the total. Thus 4,417 infant deaths or 47.3 per cent. of the total number occurred in the first month of life. In the next two age-groups 4 weeks to 6 months and 6-12 months, the infant deaths numbered 2,360 and 2,558 respectively, constituting 25.3 per cent. and 27.4 per cent. of the entire infant mortality. For neonatal death rates see Table 38.

The salient features revealed by Table 39 are the high role played by congenital debility and prematurity in causing deaths in the first four weeks of life and the large proportion of deaths from respiratory diseases during the remaining eleven months of infancy.

**Infant mortality by months.**—See Tables 40, 41 and 41A.

**Prevention of Infantile Mortality.**—The work of the maternity and Child Welfare Services is reported on page 10.

**(j) Maternal Mortality Rate.**—This rate varied between 4.0 and 7.0 till the year 1940 but came down to 3.6 in the year 1941. Inspite of various adverse factors the maternal death rate had been maintained low year by year, although further reduction in the rate is not considered beyond achievement. This rate for the year 1952 was 1.3 as against 1.3 in 1951 and 1.7 in 1950.

Deaths in Puerperal state by causes are given in Table 42.

## 4. CONTROL OF COMMUNICABLE DISEASES

**(a) Notification.**—The total of notifications of infectious diseases received during the year was 4,925 as against 5,024 in 1951. (*vide* Table 43). Of these 4,774 (96.9) were from the District Registrars and 151 (3.1) from Medical Practitioners. No notification was received from Hakims and Vaidyas.

**(b) Plague.**—2 cases were reported (including 1 imported). Both proved fatal.

**Anti Plague Measures.**—The usual preventive and precautionary measures as detailed below were continued:—

**(i) Preventive Inoculation.**—During the year 32,338 persons were inoculated against Plague of whom 476 were inoculated at the Haffkine Institute, Parel.

**(ii) Rat Destruction.**—The total number of rats caught and destroyed in Greater Bombay during the year was 11,25,200 (including 2,52,348 R. Rattus and 4,29,519 Gunomys Kok), as against 10,23,728 in 1951. 3 rats were found plague infected in three different localities. (*vide* Table 44).

**Susceptibility of rats to Plague.**—The Haffkine Institute reported that during the year, the susceptibility of rats to plague was as below:—

R. Rattus (House-rats) 12.6 per cent. susceptible.

The flea count work was carried out at the Haffkine Institute during August and rats from 8 different Wards in the City were examined. It can be seen from Table 45 that the B. P. T. area showed the lowest average index of 0.01 and the 'C' Ward the highest index of 1.0.

Altogether 1028 rats, a fairly representative sample, were examined from Greater Bombay and the average flea index worked out at 0.27.

Other anti-plague measures, *viz.*, (*iii*) Flea Destruction especially through D.D.T. dusting of rat holes and D.D.T. spraying of Houses etc., and (*iv*) Thorough Cleansing of areas are described at other appropriat parts of this report.

(*c*) **Small pox.**—Small pox caused 378 attacks (including 53 imported) and 120 deaths (including 6 among imported cases) (*vide* Table 46). The incidence of this disease during the year was much below the cyclical high levels.

The number of persons primarily vaccinated during the year was 71,885 as against 74,434 in 1951 and that revaccinated was 4,26,351 as against 6,49,353 in 1951 (*vide* report of the Superintendent of Vaccination at page 19).

22 deaths from small-pox occurred among children under one year of age of whom 16 were unvaccinated, the remaining 6 cases seem to have contracted the disease before they could attain immunity against the disease.

(*d*) **Cholera.**—Cholera caused 14 attacks (including 12 imported) and 6 deaths.

(*e*) **Influenza.**—Influenza was recorded as the cause of 2 deaths as against 6 in 1951 and the annual average 20 for the preceding decennium.

(*f*) **Enteric Fever.**—The number of notified cases *viz.*, 1,567 (including 102 imported) was 558 more than that in 1951. The total number of deaths was 428 (including 18 among imported cases) as against 262 in 1951. The case mortality rate was 27.3. (For further particulars; *vide* Tables 47,48,49,50 etc.)

## ANTI-TYPHOID MEASURES

(*i*) **Preventive Inoculation.**—3,30,859 persons were inoculated with T.A.B. vaccine during the year.

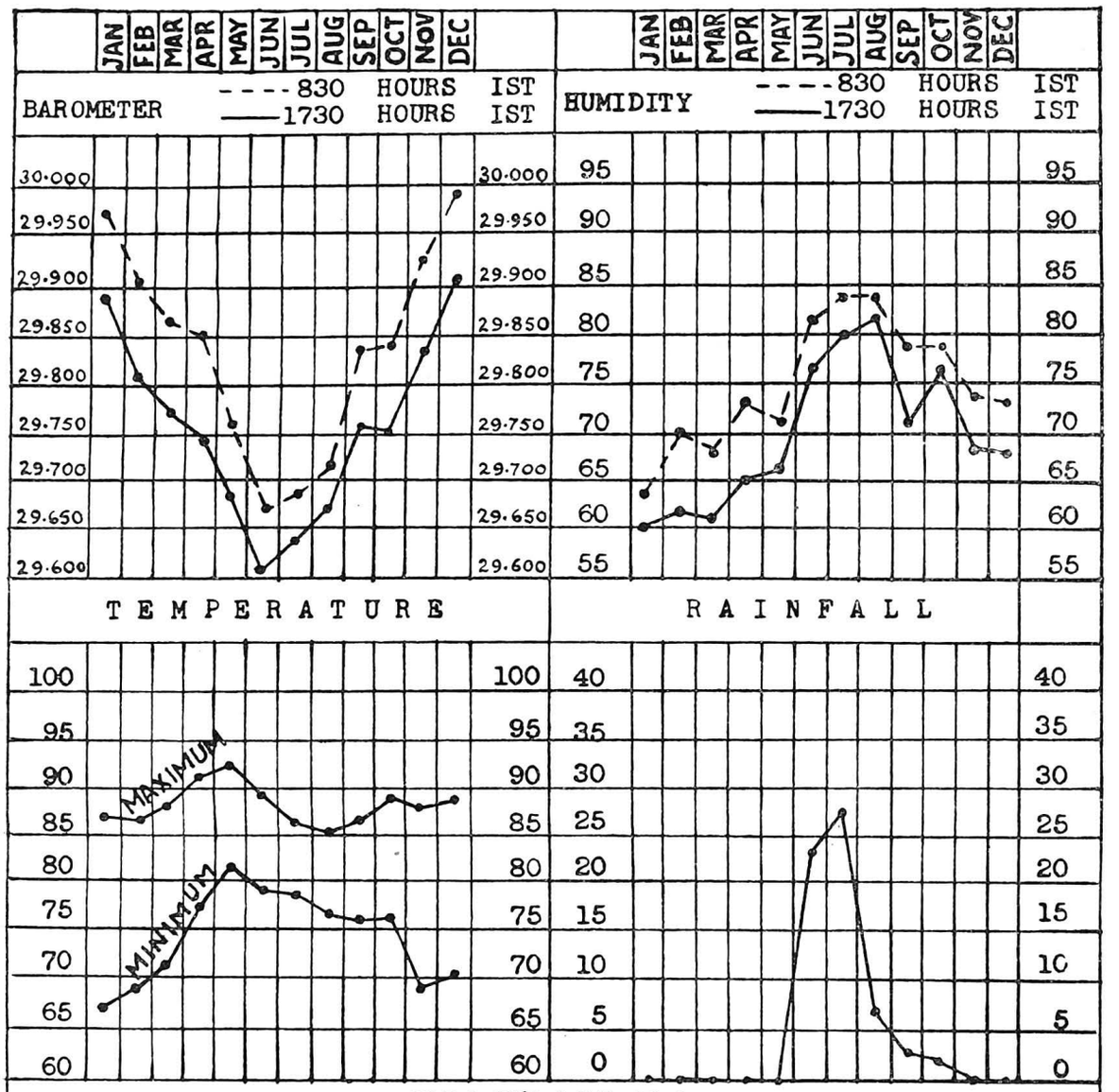
(*ii*) **Anti-fly Measures.**—The details are given in the report of the Insecticidal Services at page 9.

(*iii*) **Destruction of unwholesome food stuffs.**—This was done by the Food Inspector appointed specially for the purpose, with the help of four constables, in localities of typhoid prevalence. The Assistant Health Officers also attended to this work.

(*iv*) The facilities granted by Government in 1948 for examining blood samples free at the Haffkine Institute, Parel, were continued.

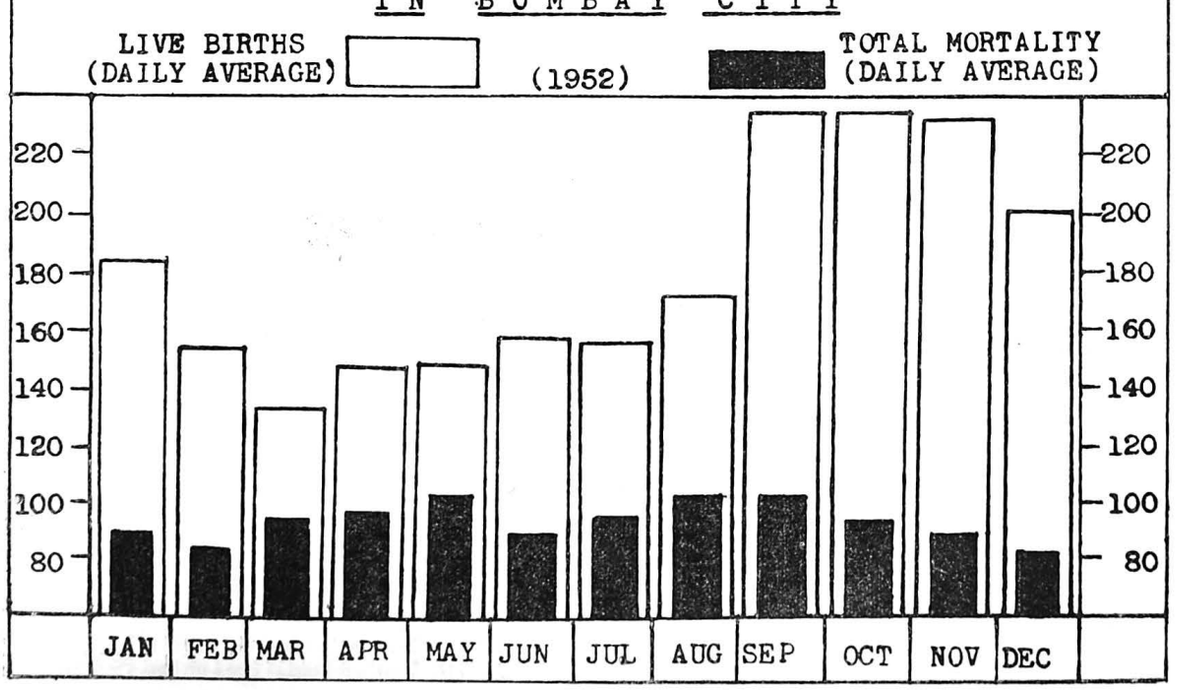
# DIAGRAM F

## CLIMATIC CONDITIONS IN BOMBAY CITY IN 1952




# DIAGRAM F 1

## DAILY MEAN BIRTHS AND DEATHS IN BOMBAY CITY



(v) Public Health Propaganda in this connection was continued as in previous years.

(vi) Other measures such as conversion of basket privies into water-closets, removal of dust-bin sheds, introduction of house to house collection of refuse system all over the city, covering of open drains and laying sewers in the unsewered parts of the City were being expedited.

(g) **Acute Anterior Poliomyelitis.**—This caused 116 cases (22 imported) and 19 deaths.

(h) **Diphtheria.**—698 cases were notified (*vide* Table 51). Out of which 68 were imported, 101 cases proved fatal (including 8 of imported).

(i) **Cerebro spinal meningitis.**—11 cases were reported. Nine deaths were registered due to this disease. During 1951, 14 cases and 9 deaths were reported.

Among measures adopted to check the spread of the disease were isolation of the patients and disinfection of the infected places. All the 4 cases treated in the City Fever Hospital, Arthur Road, were discharged as cured.

(j) **Tuberculosis.**—Number of deaths and death rate—Tuberculosis took a toll of 2,595 lives during the year and the death rate of tuberculosis was 1.1 per 1,000 of the population. The annual death rates etc., in the previous years are given in Table 52.

The classification of deaths from Tuberculosis by sex and type of disease is done in Table 53.

**Morbidity.**—Tuberculosis morbidity is often calculated at ten times the mortality in congested Industrial Cities and on this basis, there were in this city, probably 42,480 persons suffering from tuberculosis on estimated T. B. mortality calculated according to Dr. John McDougall of W. H. O.

**Municipal Anti Tuberculosis Measures.**—There were three T. B. Clinics for out-door patients and a group of T.B. Hospitals at Sewri where cases in primity and advanced stages received institutional treatment. The total number of beds at these hospitals was 299. A detailed report of the working of these hospitals is given on page 17.

## TUBERCULOSIS CLINICS

**Staff.**—The staff at each clinic consisted of a qualified Tuberculosis Officer, a fully trained nurse or a health visitor, a compounder, a peon and a full-time sweeper. The Princess Street Clinic had in addition an X—Ray Clinic unit with 2 Honorary radiologists, a full-time developer and an X—Ray attendant. The health visitors paid domiciliary visits.

**Attendance.**—General medical practitioners, Medical Officers in charge of the Municipal Free Dispensaries, Medical Officers of Schools and Medical Officers in charge of Railways, Mills, Port Trust and factories referred their diagnosed as well as suspected cases of T. B. to these clinics.

Education was imparted to the members of the public about Tuberculosis by distributing leaflets.

**Investigation of Patients.**—At the clinic, diagnosis was arrived at on clinical, bacteriological and radiographic findings. Well equipped X-Ray installations were provided at the Princess Street and Foras Road Clinics. Patients from Municipal T.B. Clinic at Lalbaug were referred to either of these clinics for radiography and screening. After a careful diagnosis at the clinics, patients were directed to the group of Tuberculosis Hospitals at Sewree for hospitalisation according to the waiting list of the patients maintained at the Princess Street T. B. Clinic. The sputum examination of specimens sent by the medical practitioners was undertaken free of charge at the Municipal Laboratory.

**Investigation of Contacts.**—The work of investigation of contacts was intensified at the Clinics. The patient when visiting the Clinic was usually accompanied by one or more of his relatives. Advantage was taken of their presence and careful investigation was made to find out the positive contacts. The remaining members who were in close association with the patient were advised by the nurse to come to the clinic for investigation. Suspicious contacts from sputum positive cases were screened at the X-Ray Department at Princess Street.

Details of the work done, cases treated, etc., at the clinics are given in Tables 54 to 56.

4(A) and (B)—The report of the Medical Superintendents of the Infectious Diseases Hospital at Arthur Road and Group of Hospitals for Tuberculosis at Sewri are at pages 14 to 17.

## 4(K) VENEREAL DISEASES

The League for Combating Venereal Diseases' a voluntary organisation started an Anti-Venereal Clinic in Bombay in 1917. The Bombay Municipal Corporation took over this clinic as well as its activities in the year 1925.

The clinic is at present situated in a Municipal Building at 254, Bellasis Road in Central Bombay.

To enable patients to attend the clinic during night hours, after finishing their day's work, the working hours of the male section of the clinic were changed as follows from 5-5-1952 :—

Former Time ... 8 A.M. to 12 Noon and 4 P.M. to 6 P.M.

Revised Time ... 8 A.M. to 11 A.M. and 6 P.M. to 9 P.M.

However, the time was again modified from 8 A.M. to 12 Noon and 6 P.M. to 8 P.M. from 23rd June 1952 as there was no good response after 7-30 P.M.

Venereal Diseases clinics are generally conducted during late night hours in Western Countries.

The clinic is fully equipped and is run on modern lines of prophylactic, diagnostic, curative and control measures.

The principal methods adopted at and through this clinic to achieve this purpose were the following:—

**(1) Prevention of Exposure to Infection.**—The importance of Non-exposure to infection was emphasized through posters, leaflets, lectures and talky-films etc., by the Health Publicity Section and by the Medical Officers and Nurse—H. V. at the clinic, as well as in the different parts of the city. One room was specially set apart for exhibiting educative pictures which were specially prepared through the Publicity Section during the year.

**(2) Personal Prophylaxis.**—This was done at the eight Municipal Free Prophylactic Centres (including the one at the main clinic) in different parts of the city. The centre at the clinic was kept open day and night while the others were kept open from 6-30 P.M. to 2-30 A.M. every day. The attendance of patients at each centre during the year is given in Table 57.

**(3) Diagnosis.**—Confirmation of diagnosis of all suspected V. D. patients was done at the well eqipped laboratory of the clinic in addition to the clinical diagnosis of the venereal diseases. Materials of suspected V. D. patients sent by private medical practitioners were also examined free of charge to help in arriving at the correct diagnosis and the reports of the findings were sent confidentially.

The account of laboratory work done at the clinic during the year 1952 is given in Table 58.

**(4) Treatment.**—Men, women and children were treated by modern methods. The examination and treatment of the patients were carried out in separate wings maintaining absolute secrecy and the information was kept strictly confidential. The Municipal Corporation had sanctioned a special grant of Rs. 10,000 for Penicillin and this was given to deserving cases. Physio-therapy, whenever required, was done by short-wave Diathermy, Infra-Red and Ultra-Violet irradiation etc. Results of treatment were assessed from time to time by the latest laboratory methods.

**(5) Follow up work.**—The clinic Nurse paid 3,193 domiciliary visits during the year under report to induce suspected cases and contacts to attend the clinic for investigation and advised lapsed cases to continue treatment.

**(6) Training in Venereal Diseases to Medical Men.**—Medical persons who attended the clinic were given training in diagnosis and treatment of Venereal Diseases.

**Summary of Cases etc.**—A total number of 17,838 Venereal Cases (15,160 male and 2,678 female) and 1021 cases of Non-Venereal Diseases were treated (*vide* Tables 59 and 60 to 62.)

613 samples of blood were sent from the Municipal Ante-Natal and Post-Natal Clinics for investigation (438 Ante-Natal Cases and 173 Post-Natal Cases and 2 samples had no serum) for Syphilis. Out of these 94, (67 A.N.C. and 27 P.N.C.) were found to be positive for Kahn or Meinick's Tests. Out of 94, 63 (26 A.N.C. and 37. P.N.C) attended the clinic for treatment during the year.

## 4 (*l*) LEPROSY

In the absence of a Municipal institution for the isolation and treatment of cases suffering from this disease, the Acworth Leprosy Home has been doing invaluable work for over 50 years in this important branch of the field of control of communicable diseases. In addition to providing a Home for the isolation of patients either voluntarily admitted or committed by the Police under the Bombay Leprosy Act, the institution conducts a well equipped out-patient clinic.

Almost the whole cost of the maintenance of the clinic is being borne by the Municipal Corporation. The average daily attendance of patients during 1952 was 214 and the total of new cases treated at the clinic was 1,812. The Corporation pays an annuity of Rs. 10,000 for giving Sulphone treatment to the patients from the year 1951.

The Home has an accommodation of 396 beds (284 for males and 112 for females) for the isolation of leprosy patients.

Seven Health Visitors one appointed by the Home and six by the Municipality, (one for suburbs) have been doing the important work of detecting cases of the disease among the contacts of patients. The Medical Assistants in charge of the Municipal Free Dispensaries also attempted detection of early cases of leprosy for which they have been specially trained. The Superintendent, Acworth Leprosy Home, visited these dispensaries in turn to assist in arriving at accurate diagnosis as well as rendering out-patient treatment to positive cases. The number of such cases detected and treated at the Municipal Free Dispensaries was 15.

The field work of the seven Health Visitors is given in Table 63.

## 4 (*m*) MALARIA

### Part I

Malaria was registered as the cause of 41 deaths and Ague and Remittent Fever of 18 deaths. The annual average deaths due to these diseases during the last decennium were 106 and 591 respectively (*vide* table 50).

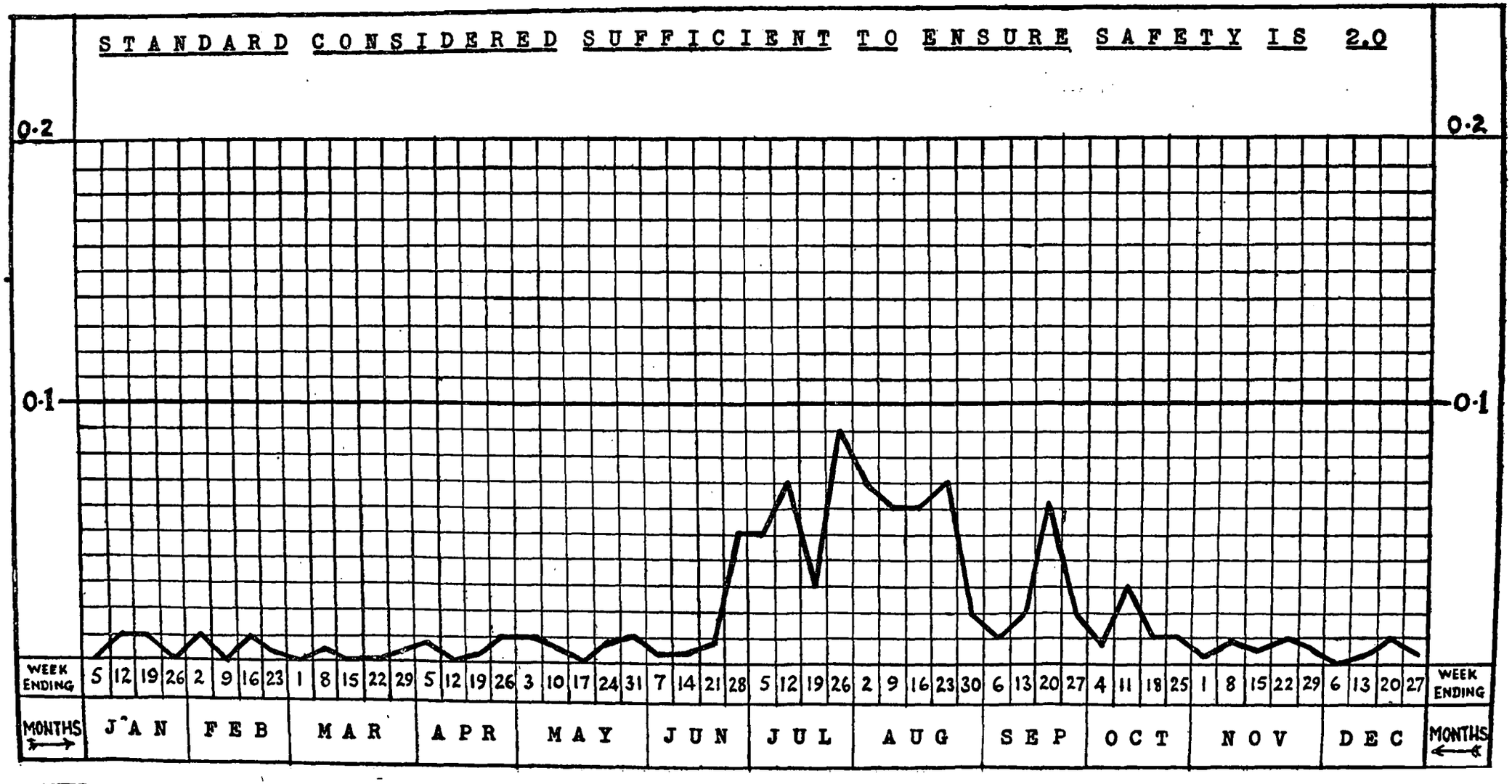
**House inspection.**—Inspection of houses for detection of breeding places and destruction of larvae wherever found, were continued. Breeding places were promptly dealt with. Action was taken against the owners to render their premises in mosquito proof condition.

# DIAGRAM G

## STEGOMYIA INDEX IN BOMBAY CITY

## FROM JANUARY TO DECEMBER

## 1952



Details of the quantities and cost on larvacides used are given in table 64.

Tables 65 and 66 show the total number of wells, cisterns, etc., found breeding Anopheles mosquitoes.

**Spleen rate.**—None of the 216 children examined in dwellings of poorer classes, in Umarkhadi, Byculla and Sewri Sections was found to have enlarged spleen.

Table 67 shows the number of pupils examined and the number found with enlarged spleen by the School Medical Inspection Staff.

**Blood Slides.**—Out of 2,016 smears taken at the Municipal Dispensaries, 87, showed malaria parasites.

**Clinical Malaria.**—276 cases of 'Malaria' were treated at the Municipal Dispensaries as against 566 in the previous year (*vide* table 68).

**Wells.**—See tables 69 and 70.

Three hermetically concrete covered wells and two retained wells were filled in and one open well and two wells with trap doors were rendered heremetically concrete covered.

The total number of wells in the City as on 1st January 1952 was 2,142. Out of these 1,663 were hermetically concrete covered wells and 480 were open or partially open wells. Out of these 480 open or partially open wells, 432 were retained, 38 Jack wells and the remaining 10 wells were under action.

All retained wells were stocked with Gambusia fish and replenished every six months, or at more frequent intervals when found necessary.

**Cisterns.**—The total number of cisterns in the City was 70,779.

**Millstanks.**—86 mills contained 88 milltanks. They were all regularly examined for mosquito breeding and action was taken whenever necessary. More mills participated in the scheme of insecticidal services.

**Breeding in Mill tanks.**—84 instances of mosquito breeding in mill tanks were discovered and deal with.

**Overhead cisterns on Mills and other premises.**—All the 184 overhead cisterns in mill premises and 99 overhead tanks on premises other than mills were maintained in a mosquito proof condition.

**Storm water entrances.**—*Vide* table 71.

**Admissions in Institutions.**—91, 111 cases were admitted and treated in different institutions in the City.

**Precautions against Yellow Fever.**—The campaign against Stegomyia mosquitoes, the vector of Yellow Fever, was continued throughout the year on account of heavy rains. The Stegomyia index was continuously kept far below the fixed, safety standard of 2 per cent.

The anti-malaria drugs, Paludrine, Quinine and Mepacrine (tablets) and Quinine Sulphate powder were made freely available to public through the various Municipal Dispensaries.

**Monsoon action and mosquito nuisance.**—1107 notices were issued against the owners to keep their compounds free from mosquito breeding. A sum of Rs. 19,420-9-6 was recovered as fees for treating such premises with D. D. T. or other insecticides.

## Part II

## INSECTICIDE SERVICES

Fly nuisance was reduced to a great extent due to anti-fly measures. The insecticide squads rendered treatment to eradicate sources of both mosquito and fly breeding.

**Private treatment on payment of fees.**—This work was extended and the insecticide squads operated in all the wards of the city, making the scheme popular. A sum of Rs, 47,503-5-0 was received as against Rs. 28,082-13-6 during the previous year.

Details of the fogging service rendered with the "Tifa" Unit are given in table 72. A revenue of Rs 1,000 was derived for insecticide fogging by this applicator.

**Suburbs.**—Insecticide service was rendered throughout Greater Bombay. Details of the services rendered in the Suburbs are given in the annual Report for the Suburbs.

**Malaria Advisory Committee.**—This Committee held two meetings during the year.

## DISINFECTION

The details of the work done and the quantity and cost of disinfectants and insecticides used are given in Tables 73 and 74.

## (5) HYGIENE

(*i*) *Maternity Homes and Ante-natal, etc., Clinics.*—Dr. (Smt.), V. S. Kalewar, M.B.B.S., F.C.P.S., was appointed from 1st March 1952 as a supervising Medical Officer (Maternity) to supervise the Municipal Maternity, Child Welfare and Family Planning services.

*Types of Services*:

(*a*) Domiciliary care.

(*b*) Institutional care.

The object of domiciliary visits was to do health education and propaganda of the services rendered by the Bombay Municipal Corporation.

*Domiciliary visits* were paid daily by the Health Visitors. Medical Officers concerned and the Supervising Medical Officer (Maternity) supervised and guided them in their work by frequently accompanying them.

*Institutional care* included the activities of (1) ante-natal, (2) natal, (3) post-natal, (4) infant and pre-school age child care, (5) follow up work, (6) education and propaganda of the services through posters, charts, leaflets, group-talks, demonstrations, film-shows, etc.

The above activities were conducted in all their aspects through the clinics conducted at the five Maternity homes, 10 subsidiary Clinics and the Maternity Unit at Dharavi.

Relief to the poor and undernourished women was given during confinements by giving them jaggery, ghee, milk, etc., at these institutes.

Arrangements for the Kahn-test of blood of women attending our maternity and child welfare clinics was made and positive cases were directed to the Venereal Diseases Clinic at Bellasis Road for the necessary treatment.

(*ii*) *Family Planning.*—With a view to saving maternal and infant lives, advice on spacing of births was given free by trained lady doctors to married women strictly on medical grounds only at fifteen family planning Clinics, eight of which were started from 1st March 1952.

The Health Visitors attached to the Family Planning Clinics paid domiciliary visits to mothers in order to help the Medical Officers in maintaining the follow up work. They also did the propaganda work of imparting knowledge in this matter to needy mothers by visiting them.

The account of the work done at the Maternity Homes, Clinics, Family Planning Clinics and by the Health Visitors is given in Table 75.

## 5. (iii) SCHOOL HEALTH WORK

**(1) Maintaining sanitary condition in and around schools.**—Most of the schools in the City are lodged in hired residential premises which are unfavourable for the normal healthy growth of children being ill-lit and poorly ventilated. The Marathi schools at Kamathipura, Byculla, Dongri and Sewri and the Urdu School at Mahim have model premises. All schools need to be built on this line. Sanitary defects detected at 107 schools were reported to the Sanitary Branch for taking necessary action.

**(2) Medical inspection of school children.**—On 31st December 1952 there were 1,53,573 children in all the Primary Schools *i.e.*, Standards I to VII of which 88,022 were boys and 65,551 were girls. In Standards I to IV there were 67,729 boys and 52,315 girls.

The following pupils were examined during the year under report:—

(*a*) New entrants in Standard I,

(*b*) Detainees in Standard I who had escaped medical examination in the previous year.

(*c*) All except the failures of Standard III.

(*d*) Children of other than Standard I and III who were presented by their parents and school teachers by special requests.

(*e*) Pupils of Standards I to IV of the schools which were not examined during the previous year.

The total number of schools in the City was 382. The total number of schools visited and revisited by the Medical Officers was 376. In 227 schools majority of the students were boys and in 149 schools girls were in the majority. They were examined by female and male doctors separately. In all these schools *the total number of children examined was 39,383 of which 24,680 were boys and 14,703 were girls.*

60 children of the squatters who were removed to the Janata Colony, Mankhurd, were also examined for the purpose of giving milk to the undernourished found among them.

Among the number examined 31,495 were defectives. Parents and guardians of these children were intimated about the defects of their wards. Replies to such intimations were received from 20,885 of which 16,664 consented to giving treatment to their children at the Municipal School Clinic, 4,221 disagreed and 10,610 did not reply at all.

The Medical Officers interviewed 732 parents and emphasised upon them the necessity of their wards undergoing clinic and dispensary treatment.

The total number of defects found among the 31,495 defective children was 64,122. The percentages of common defects to the total number of defects (64122) detected are given below :—

| 1951 ( TOTAL: 60,338 ) | | 1952 ( TOTAL: 64,122 ) | |
|---|---|---|---|
| 31.86 | 1 | General Debility 28.12 | |
| 25.1 | 2 | Dental (Mouth & Teeth) 23,51 | |
| 11.73 | 3 | 12.66 | Throat |
| 11.17 | 4 | 11.60 | Enlarged Lymphatic Glands |
| 6.91 | 5 | 7.13 | Skin (Contagious) |
| 4.51 | 6 | 5.29 | Eyes (External) |
| 1,72 | 7 | 3.57 | Nose |
| 1.43 | 8 | 1.99 | Other diseases |
| 1.56 | 9 | 1.65 | Eyes (Vision) |
| 0,98 | 10 | 1,31 | Ear |
| 0.89 | 11 | 1.27 | Lungs |
| 0.92 | 12 | 0.87 | Heart & Circulation |
| 0,39 | 13 | 0,81 | Deformities of bones |
| 0.31 | 14 | 0,22 | Spleen |

**(3) Correction of defects.**—Children were examined by the Medical Officers and their defects were noted and communicated to the parents of the respective children through the school teachers and school Health Nurses. The parents were also requested to get the defects of their wards treated privately or to inform if they were agreeable to medical treatment being given to their children at the Municipal Clinic. Children requiring minor treatment were either directed or escorted by the School Health Nurses to the nearest municipal dispensaries. The cases having major ailments were treated at the school clinic at the K. E. M. Hospital where five departments functioned on different days every week. These were :—

(1) Medical and Surgical; (2) Aural; (3) Dental; (4) Skin; and (5) Ophthalmic.

Only on school working days children were taken to the clinic for treatment in two municipal buses by the School Clinic Organiser and her assistant. The existing school clinic is quite inadequate to treat more than 1,600 to 2,000 fresh children every year. Only those cases which required immediate attention were taken to the clinic for treatment.

778 new children and 5,789 old cases were treated at the clinic during the year. Ultra violet rays, Deep X-Rays, Superficial X-Rays and different kinds of injections were also given to some children. The number of children treated at the K. E. M. Hospital in the outpatient Department on Saturdays during the year was 436.

For the first time in the history of the school clinic "Blalock and Taussiq "operation for Fallots tetrology on the heart of a municipal school girl aged 7 was successfully carried out at the K. E. M. Hospital. She is quite hale and hearty now.

The clinic was kept closed during the vacation period (May and June 1952) as there was poor response during the vacation in the previous year.

Following amenities were provided to the children ;—

(1) 44 children with errors of refraction were supplied with spectacles free of charge.
(2) 25 children were vaccinated at the Central Vaccine Depot, Parel.
(3) 382 schools were supplied with emergency out-fit.
(4) 113 children suspected to have Leprosy infection were referred to the Superintendent, Acworth Leprosy Home for bacteriological test.

Out of these :

12 were found positive and therefore were disallowed from attending the schools. 3 other cases were also disallowed as they were doubtful. Other 3 cases though allowed to attend schools were kept under observation. Education Officer was requested in 8 cases to take action which she deemed fit as they had left the school and were likely to join any other school to escape action. 25 children did not present themselves as directed. 62 cases were declared negative by the Superintendent Acworth Leprosy Home on thorough examination.

(5) 660 children were advised to take treatment at the Municipal dispensaries. Of these only 150 took the advantage. Besides 415 children were escorted by the School Health Nurses to the dispensaries. Children having enlarged spleen were also taken to the Dispensaries for taking blood smears.

(6) 706 children suffering from scabies, ringworm and itches were treated in the schools by the Medical Officers.

(7) 77 tonsil and one surgical operation on heart were performed.

(8) 1 case of rat bite and 5 of dog bites were treated.

(9) 23 suspected cases of T.B. were taken to the Princess Street T. B. clinic for screening. Out of these:

15 were found with lung fields clear. 6 cases with increased lung marking and hilar shadows + + and 2 cases were with opacity lung. Sputum was examined in 3 cases and 1 case was rescreened.

(10) 80 children having dental defects were treated at the Nair Dental College where special arrangement was made for treating the municipal school children.

**(4) Prevention of communicable diseases.**—One of the primary objects of the medical inspection in schools is to detect children with communicable diseases and exclude them from school till the period of infectivity in order to check the spread of the disease among other children. On detection of such cases, the Education Officer was requested to disallow such children in the school for a definite period.

**(5) Health Education.**—Health Education was carried out among children by the Medical Officers and School Health Nurses which aimed at inculcating healthy habits among children. Routine health talks on simple personal hygiene were often given to the children in the schools. Regular health education procedure was formulated and on Saturdays few school teachers were trained in Health Education, while the pupils were instructed by the school Health Nurses so that after some time the teachers themselves could manage Health Education work efficiently in their schools. It was discontinued since October 1952 and the staff was directed to conduct medical inspection work on Saturday. During the year, 366 talks were given by the Medical Officers and 996 by the School Health Nurses.

Ailing children were visited and revisited at their homes by the School Health Nurses as per direction of the Medical Officers, when they imparted some instructions to the parents of the children as regards their care and diet. Thus the possibility of protraction and recurrence of the disease, new and old one was minimised.

The details of "follow up" and "health education" work done by the School Health Nurses is as follows:—

| No. of Health talks | No. of visits to the homes of ailing children | No. of revisits to the homes of ailing children | No. of children taken to the dispensary |
|---|---|---|---|
| 996 | 2,364 | 784 | 415 |

Mass drill displays and sports were organised by the Education Department at different centres in the City and in the Suburbs where Medical Officers of this branch were deputed for rendering First Aid to the injured.

An experiment with vitamin tablets was conducted for about 6 months with a view to determine the beneficial results on the health of the school children. 333 children were selected for this purpose in the Kamathipura group of schools. Each child was administered 2 tablets of A-D and B-C vitamins on every school working day. The scheme was not pursued further since the result of the experiment was not very encouraging. In its place the scheme for giving Shark's Liver Oil tonic to all anaemic and vitamin deficient children was under consideration. An experiment with this tonic was tried on 50 children of Poibawdi Marathi school which is mostly attended by the labour class children.

**(6) Supply of milk to the undernourished children**—During the first half of the year nearly 23,800 undernourished children were catered with 6 oz. of toned milk each on every school working day. On account of inadequate transport facilities, the supply of milk to the schools was made on alternate days. To overcome this difficulty, as an experiment, milk was served to undernourished children on coupon system at 2 Government milk centres between the hours of 6 and 7 A.M. during the months of April and May 1952 under which 90 children were catered, each with 8 ozs. of milk, in sealed bottles. Milk was drunk on the spot, by them. This experiment was discontinued as there was a poor response from the recipients. The Government refused to supply milk in cans and insisted on our taking the supply in sealed bottles. For this purpose there were no adequate transport facilities and additional labour staff.

As an alternative the Government were requested to deliver milk to schools in their trucks on certain stipulations. The Government undertook the work of supplying milk to various schools by means of their G. T. S. trucks since July 1952 at municipal cost. The municipal staff was disbanded. According to this revised scheme each of the undernourished children was getting 8 ozs. of toned milk in a sealed bottle on every school working day. The Government could not make the required supply in the beginning, when 1,500 to 3,900 undernourished children were catered with milk. But from 10th September 1952 till the end of October 1952 nearly 20,000 children were served with milk. This number gradually increased to 30,990 in November 1952 and 32,640 in December 1952. The milk distributing centres gradually increased from 245 in July 1952 to 301 in December 1952. Nearly 400 teachers were employed for milk distribution work in the schools.

With the co-operation of this branch 18 primary and 17,320 revaccinations were performed by the staff of the vaccination branch in 372 schools.

The total expenditure incurred on (1) Medical Inspection of school children including their treatment and (2) on the milk scheme including overhead and transport charges was approximately Rs. 93,650 and Rs. 5,26,835 respectively.

## (7) MEDICAL RELIEF

**Municipal Free Dispensaries.**—The 22 Municipal Free Dispensaries (excluding those at Beggars' Home, Worli and at Chembur) were open throughout the year to administer as in the past, free medical relief to the sick in the City. This included one Ayurvedic dispensary at Dadar.

The number of new cases treated at the dispensaries during the year was 2,88,047 (1,66,872 males and 1,21,175 females) as against 2,55,835 in 1951. The total attendance was 12,98,128 as against 12,35,671 in 1950 including 241 visits by the Dispensary Medical Officers to patients in their Homes.

The diseases treated at the dispensaries each month of the year are shown in Table 76.

In addition to the above dispensary work, women's and Children's clinics were conducted by three part-time lady Doctors at 6 Municipal Dispensaries in the City between 12-30 P.M. and 2-30 P.M. thrice a week. The number of new cases treated at these dispensaries was, 31,473 (24,832 women and 6,641 children) as against 28,109 in 1951. The total attendance at these dispensaries was 1,51,526. These figures include visits by the Lady Doctors to patients in their homes.

**Eye Dispensary and Hospital.**—The Dispensary and Hospital at Kamathipura were attended by two Honorary Medical Surgeons by turns *viz.*, one on Mondays, Wednesday and Fridays and the other on Tuesdays, Thursdays and Saturdays. The out-patients Department remained open every day from 7 to 10-30 A.M. except on Sundays and Holidays. The Hospital had an accommodation of 6 beds for males and 6 beds for females with a modest Operation Theatre.

The total number of new cases treated in 1952 at this institution was 11,704 as against 10,703 in 1951. The total attendance was 84,430 during the year as against 83,350 in 1951. The number of in-door patients among the new cases treated and total attendance were 210 and 2,991 respectively.

Attendance of new and old patients as compared with the previous four years is given in Table 77.

The Hospital had a full-time resident nurse.

## (8) PUBLIC HEALTH PROPAGANDA AND EDUCATION

The health propaganda drive was intensified both in the City and Suburbs under the Expansion Scheme

**Outstanding Activities.**—(1) expanding and reconstructing the Public Health Museum at the Bombay Sanitary Institute Hall at Princess Street and (2) Ward-wise anti-rat campaign comprising propaganda drive by the Health Propaganda Section and intensification of rat destruction work by the Conservancy Branch simultaneously in B, F and G Wards.

**Important Activities Consisted of** 263 Health Education film shows, 16 Sectional Health Exhibitions, 15 lectures, 142 Sanitation campaigns, 3 special anti-rat exhibitions, meetings and talks on environmental sanitation and preventive aspects of some communicable diseases.

Mass Vaccination, Mass T. A. B. Inoculation and anti-plague campaigns with the help of the propaganda vans were arranged in different localities in the City as well as in the Suburbs.

Display of posters and distribution of leaflets on various aspects of public health through several agencies.

In order to intensify the health education drive—

A film entitled "Anokhi Kahani" on prevention of typhoid and a publicity trailor giving publicity to various amenities provided by the Health Department were prepared.

Six 16 mm and two 35 mm films on various aspects of public health were purchased.

36 show cards, 18 Models, 24 Cut-outs, 12 Show-cases, 12 Health Charts, 24 Sign-boards and placards, 24 Picture frames, 30,000 Printed posters and 19,000 Printed leaflets were either prepared or acquired.

Besides, the section aided several welfare organisations in organising Health Weeks, co-operated with the Government in the celebration of the World Health Day, arranged group visits to the Public Health Museum, put up special stalls at the First International Family Planning Conference and the International Child Welfare Conference and prepared a special propaganda room at the Municipal Anti-Venereal Diseases Clinic.

**Poor Box Charity Collections.**—For details *vide* Table 78.

## (9) STANDARDS BRANCH

As a result of the recommendations made by Messrs. Ibcon Ltd., a potential reduction of 658 persons from the reference period staff of 1,467 persons had been indicated.

Implementation of the recommendations resulted in a reduction of 316 persons from the basic staff by the end of December 1952. 88 persons from the basic staff were reduced during the year under reference. The resultant cumulative net savings amounted to Rs. 4,57,113, the monthly rate of savings being Rs. 25,466 during December 1952, (*vide* Table 79).

The standard staff had to be increased from 293 to 299 on account of the staff taken up for the TIFA operations (*i.e.*, Fogging with insecticides, a new activity of the Department).

52.5 per cent. of the proposed reduction is so far achieved.

PUBLIC HEALTH DEPARTMENT,
MUNICIPAL OFFICE,
BOMBAY, 26th May 1953.

V. V. PURI,
M.B.B.S., D.P.H., (London), D.T.M. (L'pool),
*Executive Health Officer.*

APPENDIX I

## 4. (A) CITY FEVER HOSPITAL, ARTHUR ROAD

Dr. R. G. Modak, M.D., Honorary Pathologist, was in charge of the duties of the Medical Superintendent upto 30th June 1952. Dr. J. K. Thanawala, M D, F.C.P.S., took over charge of the post on 1st July 1952.

The Honorary staff rendered services whenever required.

The permanent staff consisted of 1 Resident Medical Officer, 1 Junior Resident Medical Officer, 3. Casualty Officers, 2 Junior Medical Assistants, 1 Matron, 1 Senior Assistant Matron, 1 Junior Assistant Matron, 1 Night Superintendent, 1 House Keeper and other nursing, office and menial staff. The staff was augmented from time to time when the number of patients under treatment exceeded 200. Temporary staff arrangement was continued throughout the year for the management of patients between 200 and 250. Qualified nurses were not available in required number.

**Works Committee.**—The Works Committee formed as per the Adjudicator's Award held three meetings during the year.

**Welfare Centre.**—The Welfare Centre for the labour staff working at the City Fever Hospital, opened as per the Award has been functioning satisfactorily under the supervision of the Labour Officer.

**Visitors.**—The following distinguished persons visited the Hospital during the year 1952:—

(1) Dr. Hermann Hell, Director, State Institute for Vaccination against Rabies, Vienna, Austria, Europe on 2nd August 1952.
(2) Major B. B. Wable, Armed Forces Medical College, Poona, on 20th October 1952.
(3) Mahel S. Ingalls, New York, U.S.A., representative on W. H. O. on 9th December 1952.

**§Admissions.**—During the year 6,883 patients suffering from various acute infectious and communicable diseases, except Tuberculosis and Leprosy, were admitted in the hospital as against 6,726 during the previous year (*vide* Tables 1, 2 and 3).* Out of these, 1,554 were of Enteric Fever, 394 of Small-pox and 756 of Diphtheria. The daily average number of patients under treatment was 229.

The case fatality rate in the total admission was about 8.4 and was the lowest so far recorded.

**Hospital Accommodation.**—The bed accommodation at this Hospital is analysed in Table 18.

The present bed accommodation and other facilities at this Hospital fall far too short of the demand. The proposals for constructing Small-pox wards with 144 beds and Wards with 150 beds in the General Unit have been kept pending till better financial conditions prevail. Similarly construction of extended office accommodation, administrative block and residential quarters for staff have been postponed.

**Expenditure.**—The total expenditure during the year amounted to Rs. 7,88,216 as against Rs. 7,60,289 during the previous year.

The average weekly and total daily cost per patient is given in Tables 4 and 5.

**Teaching.**—Instructions in Infectious Diseases were given to 337 Under-Graduates preparing for M.B.B.S. Degree of the Bombay University and Ayurved (D.A.S.F.) Examinations and to 41 Post-Graduate students preparing for the Examinations of Diploma in Child Health and Public Health.

48 Student Nurses directed by the Dean, K. E. M. Hospital and Dean, B. Y. L. Nair Hospital were given training in Infectious Diseases.

148 Nurses, Health Visitors, etc., from different Institutions also received instructions in Nursing Management of Infectious Diseases and working of the Infectious Diseases Hospital.

**Medical Library.**—The Library of this Hospital consisted of 472 medical books including the 11 newly added this year and 10 journals and periodical which were subscribed for. The library deserves to be equipped with modern medical literature.

**Recreation Activities.**—Facilities for recreation such as Badminton Court, Table Tennis, Radio, Chess and Carrom were available at the Hospital for the medical and nursing staff. Local Newspapers were purchased for nursing staff from the Nurses' Welfare Fund. These facilities require to be augmented by provision of a Tennis Court for the superior staff and Gymnasium for the labour staff.

**Nurses' Welfare Fund.**—Total amount received during the year was Rs. 15 as donation and Rs. 68-8-0 as subscription from the members of the nursing staff and the balance to the credit of the Fund at the end of the year was Rs. 996-3-6 only.

**Certificates.**—1,306 certificates were issued during the year including 1,103 free, 188 medical opinion and 15 for insurance purpose.

**Poor Box Fund.**—The Poor Box Fund received steady support from the public as well as from the patients at this Hospital. Besides cash, several useful articles were donated to the Hospital for the use of patients. Supply of 4 sets of Plasma every month gratis from the Surgeon General with the Government of Bombay through the Director, Haffkine Institute deserves special mention.

The statement of accounts of the Poor Box Charity Fund for the year is shown in Table 19.

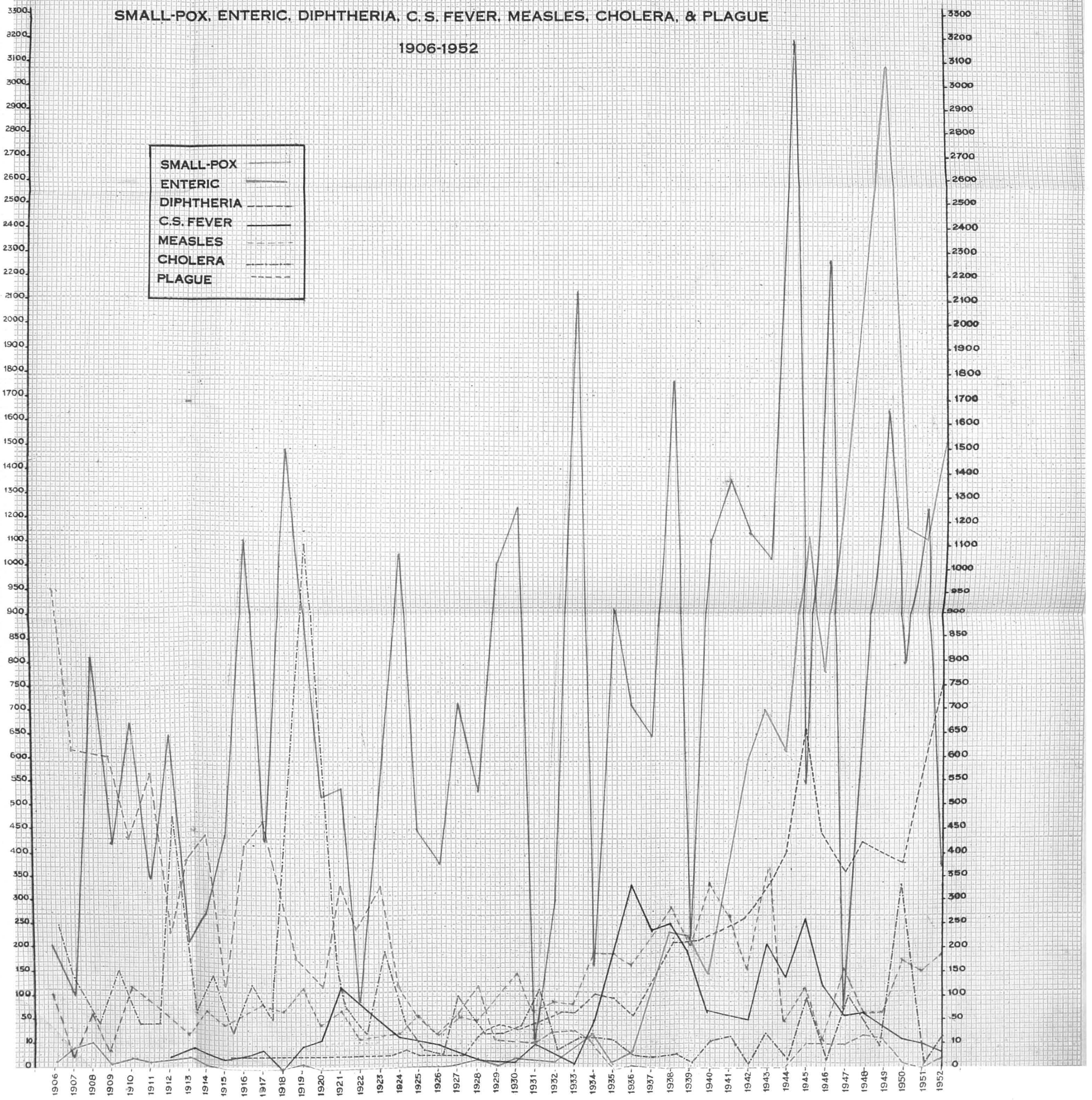
§ Admission from the Suburbs are also included here.
* The tables pertaining to this Appendix are printed at the end of this Appendix.

# ANNUAL ADMISSIONS

(CITY FEVER HOSPITAL, ARTHUR ROAD)

## SMALL-POX, ENTERIC, DIPHTHERIA, C.S. FEVER, MEASLES, CHOLERA, & PLAGUE

1906-1952



**Blood Transfusion.**—The Bombay Branch of the Indian Red Cross Society continued extending their co-operation to this Hospital for the purpose. Blood donors were available whenever required even at a short notice.

**The City Fever Hospital Employees' Co-operative Credit Society Ltd.**—Please see Table 22.

**The Hospital Day** was celebrated on 22nd March 1952 under the Presidentship of Dr. V. V. Puri Executive Health Officer.

**Small-pox.**—Small-pox occurs in this City almost every year with a seasonal rise during the Winter months from November onwards with a definite cyclical epidemicity. The admissions during this year numbered 394, the peak months being March and April and the lean months August, September and October. (for admissions from 1939 *vide* table 8).

No case occurred among the staff of this Hospital and the attendants who were allowed to stay and to attend the small-pox cases, as they were all freshly vaccinated The incidence of small-pox among the vaccinated children between the ages of 1 to 6 years was less by 60 per cent. than among the un-vaccinated of the same age group (*vide* Table 6). The incidence in the vaccinated group would have been even lower but for the possibility of the infection during development of immunity by vaccination. The mortality rate, was considerably lower in the "Vaccinated" than in the "Un-vaccinated". The almost equal incidence in the "Vaccinated" and the "Un-vaccinated" in higher age-group (though the attack in the "vaccinated" is, as a rule, mild) emphasises the necessity and importance of re-vaccination every 6 to 7 years particularly when the disease threatens to assume epeidemic proportion.

The Haemorrhagic type was the most fatal of all. The next serious form was the confluent variety, specially cases in which the rash was flat and suppressed. The discrete type was the mildest variety of the disease and was more commonly found among the previously successfully vaccinated. (*vide* table 7).

In a total of 394 cases admitted, 97 died giving the case mortality rate of 24.6 per cent. Excluding 45 deaths which occurred within 48 hours of admission of cases in a moribund condition, the case mortality rate was 8.1 per cent. only. "Intradex" (Plasma substitute) was administered to patients in Confluent, semi-confluent and Haemorrhagic variety. It seemed to act favourably in confluent and semi-confluent varieties as regards reduction in toxaemia and mortality rate to some extent.

**Diphtheria.**—This disease is endemic in Bombay and has not assumed epidemic form at any time. The total number of cases admitted in this Hospital was 755, the highest figure ever recorded so far. In spite of the highest number, however, the mortality rate was the lowest so far. (For admissions from 1939, *vide* table 9).

September and October were the peak period for admissions. 100 of the cases proving fatal, the case mortality rate was 13.2 per cent. only. 82 of the deaths occurred among cases brought either in a moribund condition or in a very late stage of the disease with associated severe toxaemia and respiratory or circulatory complications. These patients died within 48 hours of their admission. Excluding the mortality among these cases, the case mortality rate was 2.4 per cent. only. The Operation of Tracheotomy was performed on 23 cases of Diphtheria with Laryngeal obstruction, 15 of whom succumbed to the disease. 3 cases were transferred to this Hospital from other Institutions after a Tracheotomy operation, out of whom one died.

The interesting clinical feature *viz.*, "Bull's Neck" was observed this year in 119 cases, out of whom 11 died 8 of them within 48 hours of admission.

Cases were admitted from all parts of the City predominantly from Mazagon-Byculla locality (*vide* Table 12).

The incidence by age is shown in Table 10.

The highest incidence of the disease was in the age-group of 2-5 years. The youngest patient admitted was a male child aged 24 days and the oldest also a male aged 50 years. Both were discharged cured.

The Diphtheria admissions are classified in Table 11.

**Enteric Fever.**—The admissions during the year numbered 1,554 as against 1,154 during the previous year. Due to the over-crowded condition of the City and its Hospitals, an increasing number of patients seek admission in this Hospital. May was the peak month for admissions.

History of previous T. A. B. inoculation was available in 58 cases only, in 8 of whom, the onset of the disease occurred within 15 days of the protective Inoculation, out of which 1 expired. Meningeal symptoms developed in 128 cases and 94 had a relapse. Signs of intestinal perforation were detected in 13 cases (0.9 per cent.) which were transferred to the K. E. M. Hospital for surgical treatment. (*vide* table 21).

Out of the total of 1 554 cases 1,304 cases recovered under treatment and 250 proved fatal giving a case mortality rate of 16 per cent. 60 of the deaths occurred among cases admitted in a moribund condition within 48 hours of their admission. Excluding these 60 deaths, the case mortality rate was 12.2 per cent. only.

## SPECIAL TREATMENT

(1) High caloric diet was given to all cases (except when it was contra-indicated due to abdominal complications such as distension, diarrhoea, haemorrhage, perforation etc). The satisfactory response to this diet therapy was shown in all cases by way of improvement in the general condition within 24 to 48 hours, reduction in the incidence of complications and also by shortening of the convalescence.

(2) Protein-Hydrolysate-Transfusion was given in 187 cases, out of whom 41 died. It was administered in 103 cases associated with toxaemia, in 79 cases with toxaemia and diarrhoea and in 1 case with diarrhoea as a complication of the disease and in 4 cases haemorrhage per rectum as a complication. It was found to be beneficial as regards reduction in toxaemia and quick control of diarrhoea.

(3) A Plasma substitute " Intradex " was given in 209 cases, 131 of them with toxaemia and 68 with toxaemia and diarrhoea, out of whom 116 were cured. It was administered in 9 cases having haemorrhage per rectum as a complication and 7 cases recovered. It was also administered in 1 case having diarrhoea, as a complication which recovered.

(4) Whole Plasma transfusion was given in 17 cases, in 8 cases with toxaemia, out of which 4 died, 6 cases with toxaemia and diarrhoea, out of which 1 died; 2 cases with haemorrahge per rectum, out of which 1 died and in 1 case with diarrhoea and the case recovered.

(5) Whole blood transfusion was given in 122 cases of whom only 25 proved fatal. Of 20 cases with intestinal haemorrhage 7 died (35 per cent.); of 45 with toxaemia and anaemia, 9 died (20 per cent.) and 10 cases with only anaemia all recovered. It was also given in 27 cases with toxaemia and diarrhoea out of which 9 died (33 per cent.) and 20 cases with toxaemia persisting after Chloromycetin treatment all of which recovered. Blood transfusion was thus found to be beneficial in Enteric Fevers with complications of toxaemia and anaemia.

(6) 430 cases were treated with the Chloromphenicol brand antibiotic drug *viz.*, Chloromycetin, out of which 109 died and 210 cases were treated with Synthomycetin 34 of which proved fatal. Chloromycetin was administered throughout the year. Synthomycetin was administered during latter part of the year when virulence of the disease was observed to be usually less severe. Chloromphenicol treatment yielded beneficial results in controlling temperature, improving the general condition and hastening convalescence. In a majority of cases the drug was administered in a late stage of the disease. Due to its high cost, the drug could not be administered to all the cases of Typhoid fever, nor in the early stage of the disease. Administration of the drug in early stage of the disease can well be expected to give even better results.

The incidence was predominantly high in Girgaum locality (Table 12).

Incidence of Enteric Fever and case mortality rate from 1939 to 1952 are shown in Table 13.

Incidence by age group is shown in Table 14. The highest incidence of this disease was found in the age group of 11-30 years. The youngest patient admitted was a male child of 1½ years and the oldest also a male of 72 years. The former was discharged cured, while the latter expired.

**Cerebro-Spinal Fever.**—The disease is sporadic in Bombay. Only 4 cases were admitted in the Hospital and all were cured (*vide* tables 12 and 15). The diagnosis of these cases was established by bed-side clinical examination and examination of the cerebro-spinal-fluid.

The cases were treated with Sulphadiazine and Penicillin. Those that did not respond to one kind of therapy generally responded well to the other. From the point of view of the method of administration, as well as convenience of patients Sulphadizine therapy proved preferable to Penicillin.

The oldest patient was a male 50 years, (*vide* Table 16).

**Cholera.**—Out of 12 cases admitted (including 7 imported) 4 proved fatal. (3 died within 48 hours of their admission in a moribund condition), *vide* Table 17.

**Plague.**—Only 2 cases (one imported from Bassein) were admitted in a moribund condition and died within 48 hours of admission.

**Typhus Fever**—48 cases were admitted with history of continuous feverl associated with head-ache and extreme weakness. Diagnosis was confirmed by repeated examinations of blood for Weil-Felix reaction, which showed rising titre during the course of the disease. All the cases except one were discharged cured. The case which proved fatal was admitted in a moribund condition from Ghatkopar locality and died within 48 hours of admission. The disease is seen more frequently now-a-days and proper investigations of the etiology and mode of spread of this disease is necessary.

**Measles.**—186 cases were admitted. The peak months for admissions were from January to April. Majority of the cases were from Children's Home, Convents etc,. 5 cases proved fatal within 48 hours of admission due to the complication of Broncho-Pneumonia.

**Mumps.**—186 cases were admitted. The peak months for admissions were January, March and April The major proportion of the cases was from the Children's Home, Convents, City Police Forces etc. All the cases except 2 were discharged cured. 1 case proved fatal due to the complication of Encephalitis and another due to Myocardial failure. Both were male adults.

**Chicken-Pox.**—688 cases were admitted. The incidence of this disease was highest in the months of January to April. Some of the cases were admitted as suspected cases of small-pox, while others were from the essential services, Convents, Reformatories, Public Institutions etc. All were discharged cured, except one which was admitted with Broncho-pneumonia as a complication and proved fatal.

**Anterior Poliomyelitis.**—Only 1 case was admitted and proved fatal within 48 hours of admission.

**Clinical Laboratory.**—Laboratory investigations and preparation of injectable materials etc., were carried out during the year as shown in Table 20.

The present practice of sending material for investigations to the Haffkine Institute involves considerable delay and inconvenience, but until the Hospital Laboratory is expanded and suitably equipped, only a minimum of laboratory work can be done at the Hospital.

J. K. THANAWALA
M.D., F.C.P.S.,
*Medical Superintendent,*
*Arthur Road Hospital.*

## 4. (B) GROUP OF HOSPITALS FOR TUBERCULOSIS

1,956 patients suffering from Pulmonary Tuberculosis in various stages of the disease were treated at the group of Hospitals for Tuberculosis, (vide Table 24) which had 295 beds.

**Out-patient Department.**—The Honorary Officers attached to the Hospitals examined patients on all the working days between 8-30 and 9-30 A.M. (S.T.) at the Turner Tuberculosis Dispensary at Princesn Street which served as the Out-patients Department of the Hospitals.

**New Works and Special Repairs.**—Included provision of a lift at the Bahadurji Block, a duplicate Pumping Set at the R. P. T. B. Hospital and a Centrifugal Pump at the Turner Sanatorium for bettering the water supply. Some portions of the road in the compound of the R. P. T. B. Hospital were metalled and tarred and a properly covered gangway behind the R. P. T. B. Hospital from the Laboratory to the Central Kitchen was got completed. Structural repairs to the old Female Block at the Turner Sanatorium were in progress. A hundred feet high chimney was being erected over the Disinfectant Boiler.

**Works Committee and Welfare Centre.**—The Works Committee and the Welfare Centre established as per the Adjudicator's Award in 1950 continued to function during the year. The latter was supervised by the Labour Officer.

**Library.**—Indian and Foreign Medical Journals were regularly subscribed to for the benefit of the Medical Staff and a few new books were purchased.

**Visits.**—The Hospitals were visited by :—

(1) Medical Students of Cuttack.
(2) Members of the Education Committee of the All India Local Authorities.
(3) Members of the Medical Relief and Public Health Committee, and
(4) Military Medical Personnel from Poona.

**Special Features.**—These hospitals and its various departments were almost completely equipped with the most modern and upto-date apparata and equipments. An Ultra Violet Ray Lamp and an Electrocardiogram were provided for the use of patients and staff.All the departments, *viz.*, (1) X-Ray Department, (2) Operation Theatre, (3) Ear-Nose-Throat Department, (4) Laboratory and (5) Out-door A. P. and P. P. Refill Department were running smoothly and doing useful work with upto-date equipment.

**Operation Theatre.**—The Operation Theatre being air-conditioned, provided great comfort to the patients and staff during operations which were usually of prolonged duration. It had been fitted with modern electrically operated sterilization sets, and equipped with Germicidal Lamps, Thermiotic drainage pumps, Suction pumps, Electrocoagulation Diathermy Machine, a specially designed Compur-Overholt Operation Table for Thoracic Surgery, another Operation Table for general and Thoracic Surgery and suitable Theatre lights, upto-date instruments for general and chest Surgery, Thoracoscopy, etc. A large number of Surgical Instruments of Stille's and Genito-Urinary make for Lung and Heart surgery had been purchased during the year. A McKesson's double Spirometer for Bronchospirometry and two sets of Double Puncture Thoracoscopes were also purchased. Details of the surgical work done are given in Table 26.

**X-Ray Department.**—There were 3 X-Ray plants in this department *viz.*, one Portable machine for taking X-Rays of freshly operated cases, as well as acute cases, one Screening Machine for routine screening of in-patients and out-patients coming for A. P. and P. P. Refills, and a third high powered 400 Machine for Radiography with facilities for Tomography.

| | | |
|---|---|---|
| Total Skiagrams taken during 1952 | ... | 3,066 |
| Total screenings done | ... | 25,340 |
| Bronchographies done | ... | 17 cases |

**Laboratory.**—The Laboratory had complete equipment including Incubators for cultural work, High Pressure Steam Sterilizer, Hot Air Oven Sterilizer, Microscopes, Distilling Plants, Centrifugal Machines, two types of electric hotometers for blood Chemistry work and Refrigerator for keeping Sera, Vaccines, blood etc. (For Details *vide* Table 25).

**Out-door A. P. and P. P. Refills.**—The follow up of discharged patients and giving them A. P. and P. P. Refills were continued as before. The total number of such A. P. and P. P. refills given were 4,073 and 24,047 respectively. The stay of the patients being limited to 2 months on average, the administration of A. P. and P. P. Refills was considered to be the best way by which continuity of treatment and follow up of the patients could be maintained. Patients were attending this department for follow up continuously for over 3 years in some cases. There were 859 new admissions to the out-door A. P. and P. P. Refill Department during the year.

Incidence of morbidity according to age group determined on the basis of the number of admissions is shown in Table 23.

**Expenditure.**—(1) Average cost per patient per day is given in Table 28.

(2) The total expenditure on the Group of T. B. Hospitals amounted to Rs. 8,15,819 as against Rs. 8,84,480 during the previous year (*vide* Table 29).

**Poor Box Collections.**—The account of the Poor Box Collection of these hospitals is given in Table 27.

M. S. KAVARANA,
*Medical Superintendent,*
*Group of T. B. Hospitals.*

## 6. REPORT OF THE WORK DONE IN THE MUNICIPAL LABORATORY

The total number of samples examined during the year was 34,928 as against 27,954 in the previous year, an increase of about 25 per cent. Of the above, 26,910 samples were examined chemically and 8,018 bacteriologically.

Examination of samples of milk from the Government Milk Distribution Centres all over Greater Bombay was undertaken for the first time. Of 1,408 milk samples examined, there were 198 toned milk samples. Of the latter, 26 were found to be below standard, *viz.*, 3.5 per cent. fat and 8.5 per cent. other solids.

During the year under review, the laboratory continued to be of assistance to various other departments of the Municipality as shown below :—

| | |
|---|---|
| Stores Department | ... 241 samples. |
| Water Works Department | ... 459 samples. |
| Licensing Department | ... 304 samples. |
| Town Duty Department | ... 3 samples. |

The strength of the technical staff remained the same as in the previous year *viz.*, 1 Assistant Analyst 3 Assistant Chemists, 2 Assistant Bacteriologists and 2 Junior Laboratory Chemists in addition to the Municipal Analyst. The increase in work without a corresponding increase in staff and space had put a severe strain on the staff whose cheerful co-operation in this behalf deserves appreciation.

The Municipal Analyst attended the different Courts on 29 occasions for giving evidence in the cases under the Bombay Prevention of Adulteration Act.

Two students from the Victoria Jubilee Technical Institute, Matunga, underwent training in the Laboratory on analytical methods for an aggregate period of 6 months.

### CHEMICAL

**Food Stuffs.**—During the year, 24,626 samples of food-stuffs were examined chemically (*vide* Table 30).

**Other Food-stuffs.**—Samples of other food-stuffs were received for examination as shown in Table 31.

**Waters.**—462 smples of Water were examined as shown below :—

240 from Public Supply ;
95 from Wells ; and
127 from Other Sources.

Of these, 61 well water samples and 28 samples of water collected from other sources were found to be unfit for potable purposes.

**Urine.**—Out of 1,020 samples of Urine examined chemically, 349 were received from private individuals and 671 from Municipal Institutions.

**Miscellaneous.**—Samples of miscellaneous nature were received as under :—

42 Soaps ;
306 Chemicals ;
109 Paints ;
195 Inks ; and
150 Others.

### BACTERIOLOGICAL AND CLINICAL

During the year 8,018 samples were bacteriologically examined including 2,107 Blood smears for the detection of Malarial Parasites (*vide* Table 35).

**Waters.**—534 samples of water were examined as shown below :—

240 from Public Supply ;
29 from Wells ; and
265 from Other Sources.

Of these, 24 well water samples and 120 samples of water collected from other sources were found to be unsatisfactory for potable purposes.

**Disinfectants.**—Thirteen samples of Disinfectants were examined to determine the Rideal-Walker Co-efficient.

**Samples for Diagnostic Purposes.**—6,434 samples for diagnostic purposes were examined. For details see Table 32.

**Miscellaneous.**—598 samples of a miscellaneous nature were examined. (Vide Table 33.)

During the year 439 samples of Water from the Bombay Port Trust Area were examined bacteriologically and all were declared fit for potable purposes.

V. SADASIVAN,
B.Sc. (Ag.), M.Sc., A.I.I.Sc.,
*Municipal Analyst.*

## 4. (C) SUPERINTENDENT OF VACCINATION

Dr. R. D. Kelkar was Acting Superintendent of Vaccination throughout the year. 438 cases of small-pox were reported (including 60 imported and 54 from the Suburbs) and 134 deaths.

4,98,405 persons were vaccinated (72,871 primary and 4,25,534 re-vaccinations). Mass vaccinations were arranged in the localities reporting cases of small-pox as also at the Public Vaccination Stations.

Three of the 38 Public Vaccination Stations worked daily (1) at the Sanitary Institute, Princess Street, (2) at the Central Vaccine Depot, Parel, and (3) at the City Fever Hospital, Arthur Road, the third Station worked only in the evening between 4 and 6 P.M. The remaining 35 centres including four temporary worked for 2½ hours on one day every week, by rotation. On an average about 9 Vaccination Stations worked every day.

Out of the children vaccinated primarily during the year, 51,012 were born in the City as against 51,280 in the previous year. The total of births registered during the period of 12 months from 1st July 1951 to June 1952 was 64,174 (*vide* Table 39), which means that about 20 per cent. of the City born children's primary vaccination was postponed beyond the age of 6 months. 21,859 outborn children were vaccinated primarily during the year. The result of primary vaccinations by ages are given in Table 40.

### INSPECTION OF RESULTS

The results of vaccination recorded by the vaccinators were checked by the Superintendent in 2,390 cases and by the Head Vaccinator in 2,412 cases. The proportion of successful vaccination to the total vaccination was 100 per cent. The Municipal Vaccinator's work was checked in a large number of primary vaccinated cases that revisited the Stations for showing the result 7 days after being vaccinated. This was found to be satisfactory. These inspections helped to ascertain that the vaccine lymph in use was consistently of good potency.

**Income.**—The total income derived from the sale of lymph etc., and other sources is given in Table 41.

**Postponement Certificates.**—In cases of 83 children certificates were issued for postponement of their vaccination on grounds of ill health.

**Prosecutions.**—No prosecutions were instituted either for failure to have infants vaccinated or for failure to present vaccinated infants for inspection seven days after the operation.

**Ill-effects of Vaccination.**—No serious ill effects due to vaccination were observed or reported.

**Instructions to students.**—During the year under report 327 Medical students and 112 private students from the City and mofussil attended different vaccination Stations for practical instructions in vaccination. Besides, 5 Lady Health Visitors of the Bombay Presidency Infant Welfare Society were given instructions in Vaccination at the request of the Secretary of the Society.

**Vaccination of Pilgrims.**—7,778 Pilgrims proceeded to Haj during the year. Of these 2,799 pilgrims were vaccinated at the office of the Haj Committee by the staff of Vaccination Branch and were given certificates of Vaccination in the International form.

Mass Vaccinations at the Ferry Wharf were continued during the year with the result that a large number of population arriving into the City from the West coast were immunized against small-pox.

**Mass Vaccination of the Refugees.**—The Sion Refugee Camp in the City was frequently visited and mass vaccination of fresh arrivals was carried out from time to time.

During the year the recommendations of Messrs. Ibcon Ltd. on the reorganisation of this Branch were implemented as a result of which 2 Permanent clerks and 13 permanent Vaccination Karkuns rendered surplus were drawn in a pool and were working in other departments. The post of one Vaccinator, a Peon and a Mukadam were also kept vacant. Similarly 1 Temporary Asstt. Clerk 7 Temporary Vaccination Karkuns and 6 Temporary Labourers were transferred to other departments for work.

The Dak Vanettee service was also put into operation from August 1952.

Dr. R. D. KELKAR,
M.B.B.S., B.Hy.,
*Ag. Superintendent of Vaccination.*

## TABLE I

*Admissions, deaths and average number of patients during the year 1952, at the city Fever Hospital . Arthur Road.*

| Months. | Small-pox. | Chi-cken-pox. | Mea-sles. | Mumps | Diph-theria. | C. S. Fever. | Influ-enza. | Whoo-ping Cough. | Enteric Fever. | B. Dy-sentery. | A. Dy-sentery. | Cho-lera. | Plague. | Typhus Fever. | Anterior Polio. | Other diseases. | Total. | Deaths. | Dis-charged. | Daily ave-rage No. of patients. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January ... | 26 | 108 | 40 | 40 | 72 | ... | 5 | ... | 98 | 1 | ... | ... | ... | 3 | ... | 150 | 543 | 29 | 514 | 212 |
| February ... | 58 | 171 | 40 | 17 | 53 | ... | ... | 2 | 39 | ... | ... | ... | 1 | 6 | ... | 146 | 533 | 35 | 498 | 211 |
| March ... | 111 | 185 | 30 | 24 | 55 | ... | 5 | 1 | 134 | ... | ... | 1 | ... | 7 | 1 | 198 | 752 | 53 | 699 | 251 |
| April ... | 82 | 110 | 29 | 24 | 49 | ... | 3 | 1 | 120 | 2 | ... | ... | ... | 9 | ... | 247 | 676 | 76 | 600 | 246 |
| May ... | 44 | 20 | 8 | 19 | 29 | ... | 3 | 5 | 237 | 2 | ... | ... | ... | 3 | ... | 294 | 664 | 85 | 579 | 231 |
| June ... | 21 | 5 | 11 | 10 | 40 | 2 | 6 | 2 | 140 | 2 | ... | 7 | ... | 9 | ... | 207 | 462 | 49 | 413 | 215 |
| July ... | 10 | 4 | 3 | 4 | 66 | ... | 4 | 7 | 143 | 3 | 1 | 1 | ... | 1 | ... | 317 | 564 | 44 | 520 | 229 |
| August ... | 4 | 4 | 5 | 8 | 70 | 1 | 4 | 4 | 185 | 6 | 2 | ... | 1 | ... | ... | 373 | 667 | 47 | 620 | 241 |
| September ... | 5 | 9 | 4 | 5 | 97 | ... | 2 | 3 | 130 | 3 | ... | ... | ... | ... | ... | 326 | 584 | 38 | 546 | 244 |
| October ... | 8 | 9 | 4 | 4 | 93 | ... | 1 | 4 | 120 | 2 | 1 | 3 | ... | 2 | ... | 257 | 508 | 54 | 454 | 218 |
| November ... | 5 | 19 | 4 | 10 | 78 | ... | 3 | 1 | 121 | 1 | 3 | ... | ... | 2 | ... | 220 | 467 | 37 | 430 | 225 |
| December | 20 | 44 | 8 | 21 | 54 | 1 | 3 | 3 | 87 | ... | ... | ... | ... | 6 | ... | 216 | 463 | 37 | 426 | 220 |
| Grand Total ... | 394 | 688 | 186 | 186 | 756 | 4 | 39 | 33 | 1,554 | 22 | 7 | 12 | 2 | 48 | 1 | 2,951 | 6,883 | 584 | 6,299 | 229 |

## TABLE 2

*Admissions during the year 1949 to 1952 at the Arthur Road Hospital.*

| Years. | Small-pox. | Chicken-pox. | Measles. | Mumps. | Diphtheria. | C.S. Fever. | Erysipelas. | Encephalitis. | Influenza. | Whooping Cough. | Enteric Fever. | B. Dysentery. | A. Dysentery. | Cholera | Plague. | Typhus Fever. | Anterior Poliomyelitis | Scarlet Fever. | Other diseases | Total. | Deaths. | Discharged. | Daily Average No. of patients. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1949 ... | 1,695 | 962 | 77 | 162 | 389 | 41 | 2 | ... | 153 | 2 | 3,065 | 151 | ... | 6 | 10 | 2 | 11 | ... | 2,190 | 8,918 | 1,180 | 7,738 | 320 |
| 1950 ... | 815 | 1,337 | 165 | 87 | 384 | 12 | 1 | ... | 114 | 7 | 1,208 | 38 | ... | 326 | 2 | 21 | ... | ... | 2,414 | 6,931 | 645 | 6,286 | 195 |
| 1951 ... | 1,276 | 992 | 156 | 172 | 569 | 10 | ... | ... | 63 | 13 | 1,154 | 42 | 4 | 2 | 1 | 91 | 1 | ... | 2,180 | 6,726 | 599 | 6,127 | 218 |
| 1952 ... | 394 | 688 | 186 | 186 | 756 | 4 | ... | ... | 39 | 33 | 1,554 | 22 | 7 | 12 | 2 | 48 | 1 | ... | 2,951 | 6,883 | 584 | 6,299 | 229 |

## TABLE 3

*Particulars regarding the patients treated at the City Fever Hospitals, Arthur Road, during the year* 1952.

| Particulars. | Small-pox. | Chicken-pox. | Measles. | Mumps. | Diph-theria. | C. S. Fever. | Influ-enza. | Whoo-ping Cough. | Enteric Fever. | B. Dy-sentery. | A. Dy-sentery. | Cholera. | Plague. | Typhus fever. | Anterior Polio. | Other diseases. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patients remaining on 31st December 1951 ... | 6 | 26 | 3 | 9 | 29 | ... | ... | 1 | 88 | ... | ... | ... | ... | ... | ... | 39 | 201 |
| Patients admitted from 1st January 1952 to 31st December 1952.... | 394 | 688 | 186 | 186 | 756 | 4 | 39 | 33 | 1,554 | 22 | 7 | 12 | 2 | 48 | 1 | 2,951 | 6,883 |
| Total treated ... | 400 | 714 | 189 | 195 | 785 | 4 | 39 | 34 | 1,642 | 22 | 7 | 12 | 2 | 48 | 1 | 2,990 | 7,084 |
| Discharged ... | 294 | 695 | 181 | 184 | 660 | 3 | 39 | 32 | 1,311 | 20 | 7 | 8 | ... | 45 | ... | 2,810 | 6,289 |
| Died ... | 97 | 1 | 5 | 1 | 100 | ... | ... | ... | 250 | 2 | ... | 4 | 2 | 1 | 1 | 120 | 584 |
| Case Mortality ... | 24.6% | 0.1% | 2.7% | 5% | 13.2% | ... | ... | ... | 16% | 9% | ... | 33.3% | 100% | 2% | 100% | 4% | 8.48% |
| Patients remaining on 31st December 1952. | 9 | 18 | 3 | 10 | 25 | 1 | ... | 2 | 89 | ... | ... | ... | ... | 2 | ... | 59 | 218 |
| Maximum No. of beds occupied on one day. | | | | | | | | 299 on | 24th March 1952. | | | | | | | | |

## TABLE 4

AVERAGE WEEKLY COST PER PATIENT ADMITTED AT THE CITY FEVER ARTHUR ROAD HOSPITAL, (Excluding Establishment Charges).

| Particulars. | 1949. | 1950. | 1951. | 1952. |
|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Drugs, dressings, & ... ... | 6 0 10 | 8 11 5 | 7 9 11 | 9 4 9 |
| Disinfectants ... ... | 0 4 8 | 0 6 3 | 0 5 11 | |
| Diet ... ... | 11 6 0 | 11 2 6 | 11 4 3 | 13 0 3 |
| Clothing ... ... | 0 11 1 | 3 2 4 | 3 0 5 | 1 10 10 |
| Store ... ... | 1 2 8 | 1 8 6 | 1 7 11 | 2 8 3 |
| Total per week ... | 19 9 3 | 24 15 0 | 23 12 5 | 26 8 1 |
| Total no. of patients treated ... | 8,918 | 6,931 | 6,726 | 6,883 |

## TABLE 5

TOTAL COST PER PATIENT PER DAY IN THE CITY FEVER HOSPITALS, ARTHUR ROAD,

| Particulars. | Amount. Rs. a. p. |
|---|---|
| Diet ... ... ... ... | 1 13 9 |
| Stores and Linen ... ... | 0 9 7 |
| Drugs, Dressing, etc. ... ... | 1 5 3 |
| Lighting, Miscellaneous ... ... ... | 0 5 3 |
| Repairs, etc. ... ... ... | 0 2 9 |
| Establishment ... ... ... | 5 2 7 |
| Total ... | 9 7 2 |

## TABLE 6

SMALL-POX CASES TREATED IN THE CITY FEVER HOSPITALS, ARTHUR ROAD. (AGE GROUPS)

| Years. | Vaccinated Admissions. | | | | Unvaccinated Admissions. | | | |
|---|---|---|---|---|---|---|---|---|
| | Total. | Cured. | Deaths. | Mortality rate | Total. | Cured. | Deaths. | Mortality rate |
| 0-6 months ... | Nil. | Nil. | Nil. | Nil. | 10 | 1 | 9 | 90% |
| 7 mon.—1 year ... | 5 | 4 | 1 | 20% | 8 | 5 | 3 | 37.5% |
| 2 years ... | 4 | 3 | 1 | 25% | 10 | 3 | 7 | 70% |
| 3 years. ... | 2 | 1 | 1 | 50% | 1 | Nil. | 1 | 100% |
| 4 years ... | 2 | 1 | 1 | 50% | 5 | 4 | 1 | 20% |
| 5 years ... | 3 | 3 | Nil. | Nil. | 3 | 2 | 1 | 33.3% |
| 6-10 years ... | 13 | 12 | 1 | 7.69% | 10 | 9 | 1 | 10% |
| 11-15 years ... | 15 | 14 | 1 | 7% | 20 | 17 | 3 | 15% |
| 16-20 years ... | 60 | 46 | 14 | 23.3% | 36 | 31 | 5 | 13.8% |
| 21-25 years ... | 65 | 60 | 5 | 8% | 49 | 26 | 23 | 46.9% |
| 26-30 years ... | 19 | 18 | 1 | 5.26% | 21 | 14 | 7 | 33.3% |
| 31-35 years ... | 13 | 11 | 2 | 15.38% | 5 | 3 | 2 | 40% |
| 36-40 years ... | 3 | 2 | 1 | 33.3% | 3 | 1 | 2 | 66.6% |
| 41-50 years ... | 2 | 2 | Nil. | Nil. | 1 | Nil. | 1 | 100% |
| 51-60 years ... | 1 | 1 | Nil. | Nil. | 3 | 1 | 2 | 66.6% |
| 61 & above ... | 1 | 1 | Nil. | Nil. | 1 | 1 | Nil. | Nil. |
| Grand Total ... | 208 | 179 | 29 | 13.9% | 186 | 118 | 68 | 36.6% |

TABLE 7

DETAILS OF SMALL-POX CASES AND DEATHS.

| Classification. | Admission. | Deaths. | Recovered. | Case Mortality rate. |
|---|---|---|---|---|
| (1) Haemorrhagic ... ... | 38 | 37 | 1 | 97.4% |
| (2) Confluent ... ... | 65 | 29 | 36 | 44.6% |
| (3) Semi-confluent ... ... | 171 | 29 | 142 | 16.9% |
| (4) Discrete ... ... | 120 | 2 | 118 | 1.7% |
| Total ... | 394 | 97 | 297 | 24.6% |

TABLE 8

CASES OF SMALLPOX ADMITTED IN THE CITY FEVER HOSPITALS, ARTHUR ROAD, AND CASE FATALITY RATE FROM 1939 TO 1952.

| Year. | Admissions. | Deaths. | Recovered. | Case fatality rate. | Case fatality rate excluding moribund cases which died in 48 hours. |
|---|---|---|---|---|---|
| 1939 ... | 210 | 39 | 171 | 18.5% | ... |
| 1940 ... | 1,172 | 232 | 940 | 19.7% | ... |
| 1941 ... | 1,411 | 322 | 1,089 | 22.8% | 21.8% |
| 1942 ... | 1,182 | 225 | 957 | 19.0% | 17.0% |
| 1943 ... | 1,080 | 251 | 829 | 23.2% | 20.7% |
| 1944 ... | 3,233 | 896 | 2,337 | 27.7% | 26.3% |
| 1945 ... | 568 | 153 | 415 | 26.9% | 22.2% |
| 1946 ... | 2,336 | 757 | 1,579 | 32.41% | 24.2% |
| 1947 ... | 65 | 17 | 48 | 26.1% | 18.5% |
| 1948 ... | 531 | 130 | 401 | 24.4% | 19.2% |
| 1949 ... | 1,695 | 446 | 1,249 | 26.3% | 19.5% |
| 1950 ... | 815 | 203 | 612 | 24.9% | 17.3% |
| 1951 ... | 1,276 | 282 | 994 | 22.1% | 14.8% |
| 1952 ... | 394 | 97 | 297 | 24.6% | 8.1% |

TABLE 9

DIPHTHERIA ADMISSIONS ETC., IN THE CITY FEVER HOSPITALS, ARTHUR ROAD, AND CASE FATALITY RATE FROM 1939 TO 1952.

| Year. | Admissions. | Deaths. | Recovered. | Case fatality rate. | Case fatality rate excluding moribund cases which died in 48 hours. |
|---|---|---|---|---|---|
| 1939 ... | 191 | 54 | 137 | 28.2% | ... |
| 1940 ... | 221 | 69 | 152 | 31% | 13.1% |
| 1941 ... | 251 | 63 | 188 | 25.1% | 8.7% |
| 1942 ... | 272 | 44 | 234 | 15.7% | 7.8% |
| 1943 ... | 334 | 51 | 283 | 15.2% | 8.1% |
| 1944 ... | 400 | 70 | 330 | 17.5% | 8.3% |
| 1945 ... | 670 | 97 | 573 | 14.4% | 2.3% |
| 1946 ... | 442 | 86 | 356 | 19.45% | 4.1% |
| 1947 ... | 369 | 61 | 308 | 16.5% | 3.2% |
| 1948 ... | 418 | 93 | 325 | 22.2% | 3.1% |
| 1949 ... | 389 | 90 | 299 | 23.1% | 2.5% |
| 1950 ... | 384 | 70 | 314 | 18.2% | 1.8% |
| 1951 ... | 569 | 91 | 478 | 15.9% | 3.3% |
| 1952 ... | 756 | 100 | 656 | 13.2% | 2.4% |

## TABLE 10

INCIDENCE BY AGE OF DIPHTHERIA CASES ADMITTED IN THE ARTHUR ROAD HOSPITAL, DURING THE YEAR 1952.

| Age in Year | 0— 1 | | 2— 5 | | 5— 10 | | 11— & onwards. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | C. | D. | C. | D. | C. | D. | C. | D. | C. | D. |
| Male ... | 36 | 19 | 178 | 37 | 77 | 4 | 45 | .. | 336 | 60 |
| Female ... | 20 | 16 | 136 | 18 | 100 | 5 | 64 | 1 | 320 | 40 |
| Total ... | 56 | 35 | 314 | 55 | 177 | 9 | 109 | 1 | 656 | 100 |

## TABLE 11

CLINICAL TYPES OF CASES OF DIPHTHERIA ADMITTED DURING THE YEAR.

| Types of Cases. | Admissions. | Deaths. | Case fatality rate. | Case fatality excluding moribund cases. |
|---|---|---|---|---|
| (1) Faucial ... | 493 | 9 | 1.8% | 0.4% |
| (2) Laryngeal ... | 16 | ... | ... | ... |
| (3) Nasal ... | 42 | 1 | 2.4% | 2.4% |
| (4) Pharyn ... | 2 | ... | ... | ... |
| (5) Tongue ... | 1 | ... | ... | ... |
| (6) Haemorrhagic ... | 14 | 11 | 78.6% | 35.7% |
| (7) Lips and Tongue ... | 3 | 2 | 66.6% | ... |
| (8) Faucial and Laryngeal ... | 162 | 72 | 44.4% | 6.8% |
| (9) Faucial and Nasal ... | 16 | 3 | 18.8% | 6.2% |
| (10) Faucial and Mastoid ... | 1 | ... | ... | ... |
| (11) Faucial and Vulval and Larynegeal ... | 1 | 1 | 100% | ... |
| (12) Faucial and Aural ... | 4 | ... | ... | ... |
| (13) Faucial and Laryngeal and Nasal ... | 1 | 1 | 100% | ... |

## TABLE 12

INCIDENCE BY LOCALITY OF DIPHTHERIA, ENTERIC FEVER AND CEREBRO SPINAL FEVER CASES ADMITTED IN THE ARTHUR ROAD HOSPITAL, DURING THE YEAR 1952.

| Locality | Fort | Kol-badevi | Gir-gaum | Don-gri | Maz-gaon and Byculla | Ter-deo | Worli | Parel | Dadar | Ma-tunga & Ma-him | Bombay Suburbs. H ward | K | L | M | N | Im-ported | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Enteric Fever.** | | | | | | | | | | | | | | | | | |
| Cured ... | 114 | 54 | 253 | 160 | 181 | 23 | 52 | 70 | 86 | 71 | 49 | 82 | 26 | 8 | 17 | 58 | 1304 |
| Died ... | 15 | 15 | 62 | 27 | 34 | 3 | 7 | 18 | 15 | 17 | 6 | 14 | 2 | 4 | 2 | 9 | 250 |
| Total ... | 129 | 69 | 315 | 187 | 215 | 26 | 59 | 88 | 101 | 88 | 55 | 96 | 28 | 12 | 19 | 67 | 1554 |
| **Diphtheria.** | | | | | | | | | | | | | | | | | |
| Cured ... | 40 | 7 | 78 | 84 | 109 | 17 | 20 | 38 | 71 | 78 | 21 | 34 | 13 | 8 | 5 | 33 | 656 |
| Died ... | 5 | 1 | 17 | 9 | 14 | 1 | 8 | 4 | 11 | 7 | 4 | 6 | .. | 2 | ... | 11 | 100 |
| Total ... | 45 | 8 | 95 | 93 | 123 | 18 | 28 | 42 | 82 | 85 | 25 | 40 | 13 | 10 | 5 | 44 | 756 |
| **Cerebro Spinal Fever** | | | | | | | | | | | | | | | | | |
| Cured ... ... | 1 | 1 | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| Died ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil. |
| Total ... ... | 1 | 1 | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 4 |

## TABLE 13

ENTERIC FEVER : CASE AND FATALITY RATE. 1939 TO 1952.

| Year. | Admissions. | Deaths. | Recovered. | Case fatality rate. | Case fatality rate excluding moribund cases. |
|---|---|---|---|---|---|
| ... | | | | | |
| 1939 .. | 202 | 36 | 166 | 17.8% | 16.3% |
| 1940 | 184 | 50 | 134 | 27.2% | 24.0% |
| 1941 .. | 360 | 107 | 253 | 29.7% | 26.2% |
| 1942 .. | 595 | 104 | 491 | 17.4% | 15.4% |
| 1943 .. | 715 | 189 | 526 | 26.4% | 23.5% |
| 1944 .. | 624 | 149 | 475 | 23.8% | 22.2% |
| 1945 .. | 1,186 | 229 | 957 | 19.3% | 17.6% |
| 1946 .. | 1,790 | 149 | 641 | 18.9% | 13.9% |
| 1947 .. | 1,464 | 251 | 1,213 | 17.1% | 13.8% |
| 1948 .. | 2,486 | 440 | 2,046 | 17.6% | 11.8% |
| 1949 .. | 3,065 | 455 | 2,610 | 14.8% | 11.2% |
| 1950 .. | 1,208 | 197 | 1,011 | 16.3% | 12.2% |
| 1951 .. | 1,153 | 128 | 1,025 | 11.1% | 8.0% |
| 1952 .. | 1554 | 250 | 1,304 | 16% | 12.2% |

## TABLE 14

INCIDENCE BY AGE OF ENTERIC FEVER CASES ADMITTED IN THE CITY FEVER HOSPITAL, ARTHUR ROAD, DURING THE YEAR 1952.

| Years. | 0 — 10 | | 11 — 20 | | 21 — 30 | | 31 — 40 | | 41 — 50 | | 51 & above | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C. | D. | C. | D. | C. | D. | C. | D. | C. | D. | C. | D. | C. | D. |
| Male ...57 | 6 | 363 | 55 | 448 | 97 | 109 | 20 | 29 | 12 | 13 | 8 | 1019 | 198 | |
| Female...42 | 9 | 117 | 20 | 81 | 18 | 31 | 2 | 12 | 2 | 2 | 1 | 285 | 52 | |
| Total...99 | 15 | 480 | 75 | 529 | 115 | 140 | 22 | 41 | 14 | 15 | 9 | 1,304 | 250 | |

## TABLE 15

CEREBRO-SPINAL FEVER CASES ADMITTED IN THE CITY FEVER HOSPITALS, ARTHUR ROAD AND CASE MORTALITY RATES.

| Year | Admissions. | Deaths. | Recovered. | Mortality rate. | Mortality rate excluding moribund cases |
|---|---|---|---|---|---|
| 1939 ... | 176 | 77 | 99 | 43.7% | 29.2% |
| 1940 ... | 73 | 25 | 48 | 34.2% | 17.3% |
| 1941 ... | 66 | 29 | 37 | 44% | 19.5% |
| 1942 ... | 55 | 13 | 42 | 23.5% | 15.8% |
| 1943 ... | 213 | 57 | 156 | 26.4% | 17.2% |
| 1944 ... | 148 | 55 | 93 | 37.1% | 21.1% |
| 1945 ... | 270 | 85 | 185 | 31.4% | 15.5% |
| 1946 ... | 116 | 40 | 76 | 34.4% | 11.2% |
| 1947 ... | 51 | 20 | 31 | 39.2% | 15.6% |
| 1948 ... | 63 | 25 | 38 | 39.6% | 20.6% |
| 1949 ... | 41 | 21 | 20 | 51.2% | 24.3% |
| 1950 ... | 12 | 7 | 5 | 58.3% | Nil |
| 1951 ... | 10 | 5 | 5 | 50% | 30% |
| 1952 ... | 4 | ... | 4 | Nil | Nil |

## TABLE 16

CASES OF CEREBRO-SPINAL FEVER ADMITTED IN THE CITY FEVER HOSPITALS, ARTHUR ROAD DURING THE YEAR 1952—INCIDENCE BY AGE.

| Age in Years. | 0-10 | | 11-20 | | 21-30 | | 31-40 | | 41 and above. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C. | D. | C. | D. | C. | D. | C. | D. | C. | D. | C. | D |
| Male | ... | ... | ... | ... | 2 | ... | ... | ... | 1 | ... | 3 | ... |
| Female | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... |
| Total | ... | ... | ... | ... | 3 | ... | ... | ... | 1 | ... | 4 | ... |

## TABLE 17

CHOLERA ADMISSIONS AND DEATHS IN THE CITY FEVER HOSPITALS.

| Year. | Admissions. | Deaths. | Recovered. | Mortality rate. | Mortality rate excluding moribund cases. |
|---|---|---|---|---|---|
| 1939 | .. | .. | .. | .. | .. |
| 1940 | 9 | 6 | 3 | 66% | .. |
| 1941 | 16 | 6 | 10 | 37% | .. |
| 1942 | .. | .. | .. | .. | .. |
| 1943 | 25 | 9 | 16 | 36% | .. |
| 1944 | 1 | .. | 1 | .. | .. |
| 1945 | 86 | 34 | 52 | 39.5% | 12.6% |
| 1946 | 2 | 2 | .. | 100% | .. |
| 1947 | 113 | 28 | 85 | 24.7% | 4.4% |
| 1948 | 42 | 9 | 33 | 21% | 9% |
| 1949 | 7 | 2 | 5 | 28.5% | .. |
| 1950 | 326 | 39 | 287 | 11.9% | 7.4% |
| 1951 | 2 | 1 | 1 | 50% | .. |
| 1952 | 12 | 4 | 8 | 333% | 8.3% |

## TABLE 18

BED ACCOMMODATION AT THE ARTHUR ROAD HOSPITAL.

| Wards. | No. of beds. | REMARKS. |
|---|---|---|
| Nos. 1, 2 and 3 (19 beds each) ... | 57 | These wards are in a dilapidated conditon and can be used temporarily during epidemics only. Wire netting has been done to Ward No. 3 during the year. |
| Nos. 4, 5 and 6 (25 beds each) ... | 75 | These wards are in a more dilapidated condition and one of them only can be used temporarily during epidemics. |
| No. 7. with 14 beds ... | 14 | Improvised as a Lecture Hall. |
| Total accommodation available ... | 82 | For temporary period during epidemics only. |
| No. 14 and 16 (36 beds each) ... | 72 | |
| Semi-permanent Ward Nos. 17 and 18 constructed durng the Small-pox epidemic in 1944 (50 beds each) | 100 | |
| Total accommodation available in Small-pox Section (for use during non-epidemic period) | 172 | |
| Ward No. 8 (14 beds) ... | 14 | Constructed mosquito proof and reserved for Yellow Fever Cases. |
| | 186 | |
| *General Unit (For treatment of infectious diseases other than Small-pox).* | | |
| Ward Nos. 9, 10, 11 and 12 (14 beds each) ... | 56 | |
| Ward Nos. 13 and 15 (36 beds each). | 72 | |
| | 128 | |
| Grand Total (Small-pox and Geneal Unit). | 314 | |

TABLE 19

POOR BOX CHARITY FUND, ARTHUR ROAD, HOSPITAL.

*Statement of Accounts for the year 1952.*

| Receipts. | Rs. a. p. | Expenditure. | | Rs. a. p. |
|---|---|---|---|---|
| Collection from Boxes ... | 2,538 8 0 | Newspapers for patients ... | | 208 11 0 |
| Donation ... | 643 4 0 | Distribution of sweets, etc., during Diwali, X-Mas, festivals ... | | 487 7 0 |
| Fees received for issue of medical certificates ... | 741 0 0 | Expenditure on Chloromycetin etc. | | 11,331 8 0 |
| Amounts received for Blood Transfusion ... | 1,715 0 0 | On Chloromycetin ... 8,231 8 0 | | |
| | | On Plasmonson ... 660 0 0 | | |
| | | Payment to Blood donors 2,440 0 0 | | |
| | | | 11,331 8 0 | |
| | | Moiety to Medical Officers ... | | 185 8 0 |
| | | Other expenses | | 120 0 0 |

TABLE 20

MATERIALS EXAMINED AND OTHER WORKS DONE AT THE CLINICAL LABORATORY AT THE ARTHUR ROAD HOSPITAL, DURING THE YEAR

| | |
|---|---|
| **(A) INVESTIGATIONS—** | |
| (1) *Pathological—* | |
| (*i*) Routine examination of urine ... ... ... ... | 2,265 |
| (*ii*) Examination of Blood— | |
| (1) Cytological examination ... ... ... ... | 1,736 |
| (2) Grouping and matching of blood for transfusion ... ... | 249 |
| (*iii*) Examination of faeces... ... ... ... ... | 227 |
| (*iv*) Examination of sputum ... ... ... ... | 685 |
| (*v*) Examination of Puncture Fluid:— | |
| (*a*) Cerebro-spinal fluid ... ... ... ... | 373 |
| (*b*) Gland Puncture. ... ... ... ... | 11 |
| (2) *Bacteriological—* | |
| (*i*) Urine— | |
| (*a*) Cultural examination ... ... ... ... | 5 |
| (*ii*) Blood— | |
| (*a*) Cultural examination ... ... ... ... | 29 |
| (*b*) Serological examination— | |
| (1) Widal reaction ... ... ... ... | 4,692 |
| (2) Kahn Test... ... ... ... ... | 276 |
| (3) Napier Aldehyde Test ... ... ... | 1 |
| (*iii*) Puncture Fluid-Cultural examination— | |
| (1) Cerebro-spinal fluid ... ... ... ... | 16 |
| (2) Gland Puncture ... ... ... ... | 8 |
| (*iv*) Cultural examination of— | |
| (1) Throat Swab ... ... ... ... ... | 1,078 |
| (2) Nasal swab ... ... ... ... | 100 |
| (*v*) Examination for the presence of micro-organism— | |
| A.—C. *Diphtheria*— | |
| (1) Throat swab ... ... ... ... ... | 4,447 |
| (2) Nasal swab ... ... ... ... ... | 642 |
| (3) Tongue swab ... ... ... ... ... | 16 |
| (4) Eye swab ... ... ... ... ... | 4 |
| (5) Ear swab ... ... ... ... ... | 41 |
| (6) Vaginal swab ... ... ... ... ... | 4 |
| (7) Lip swab ... ... ... ... ... | 14 |
| (8) Mouth swab ... ... ... ... ... | 8 |
| (*iv*) Examination for the presence of micro- organisms (V. Cholera). ... | |
| (1) Rectal swab ... ... ... ... ... | 1,356 |
| (3) *Bio-Chemical—* | |
| (1) *Cerebo-spinal-fluid—* | |
| (*a*) Chlorides ... ... ... ... ... | 373 |
| (2) *Blood—* | |
| (*a*) Van Den Bergh's test ... ... ... ... | 80 |
| Total ... | 18,736 |

**(B) Injectable materials prepared—**

| | |
|---|---|
| Normal saline... ... ... ... ... | 4738 bottles (1×500 c.c.). |
| Hypertonic saline ... ... .. ... | 3366 bottles (1×900 c.c.). |
| Sterile Distilled Water for dissolving Penicillin, Glucose etc. | 18 bottles (1×500 c.c.). |

**(C) Sterilised apparatus for 131 blood transfusion was supplied by the laboratory.**

TABLE 21

SYMPTOMS AND COMPLICATIONS IN THE CASES OF ENTERIC FEVER, ADMITTED IN THE CITY FEVER HOSPITAL, ARTHUR ROAD IN 1952.

| Symptoms and complications. | No. of cases of Enteric Fever. | Percentage of the total number of Enteric Fever admitted cases | No. of cases recovered. | No. died. | Fatality rate. |
|---|---|---|---|---|---|
| Toxaemia ... | 740 | 47.6% | 530 | 210 | 28.4% |
| Broncho-Pneumonia ... | 609 | 39.2% | 454 | 155 | 25.5% |
| Parotitis ... | 14 | .9% | 13 | 1 | 7.2% |
| Relapse ... | 94 | 6.1% | 79 | 15 | 15.9% |
| Haemorrhage per rectum ... | 42 | 2.7% | 24 | 18 | 42.9% |
| Failure of peripheral circulation. ... | 138 | 8.9% | 15 | 123 | 89 1% |

TABLE 22

*The City Fever Hospital Employees' Co-operative Credit Society Ltd.*

| Number of members | Share capital subscribed | Amount of loan granted | Amount of loan recovered | Amount of Reserve Fund | Class |
|---|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| 207 | 27,643 8 0 | 37,025 0 0 | 34,375 0 0 | 1,620 2 6 | "A" |

TABLE 23

*Age Groups of Patients Admitted in the G. T. B. Hospitals.*

| AGES | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO. OF ADMISSIONS | | | | | | | | | | | | | | | |
| 1-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30-35 | 35-40 | 40-45 | 45-50 | 50-55 | 55-60 | 60-65 | 65-70 | 70-75 | Total |
| *Nil.* | 6 | 48 | 307 | 553 | 407 | 220 | 166 | 97 | 80 | 34 | 23 | 9 | 5 | 1 | 1956 |

TABLE 24

*The details of the work done at the G. T. B. Hospitals.*

| | | | |
|---|---|---|---|
| (1) Cases remaining on 1st January 1952 | ... | 252 | |
| (2) New cases admitted from 1st January 1952 to 31st December 1952 | Males 1,152<br>Females 804 | | 1,956 |
| (3) Total cases treated in 1952 | ... | 2,208 | |
| (4) Patients died during the year 1952 | ... | 280 | |
| (5) Patients discharged during 1952 | ... | 1,642 | |
| Improved | ... | 1,373 | |
| Left against medical advice | ... | 180 | |
| In status quo | ... | 28 | |
| Non-T.B. | ... | 61 | |
| Total | ... | 1,642 | |
| (6) Total cases discharged or died | ... | 1,922 | 2,208 |
| (7) Cases carried forward from 1952 to 1st January 1953 | ... | 286 | |
| (8) Work done in the Wards— | | | |
| Primary A. Ps. | ... | 231 | |
| Primary P. Ps. | ... | 697 | |
| A. P. Refills in the Wards | ... | 948 | |
| P. P. Refills in the Wards | ... | 3,046 | |

Number of discharged patients who attended the out-door department of the R. P. T. B. Hospital. 859

A. P. and P. P. Refills given to discharged patients during 1952 ... 28,120

TABLE 25

*Work done in the Laboratory of the G. T. B. Hospitals.*

**I.—Blood—**

(*i*) *Haematology—*

| (*a*) Blood groupings | (*b*) Cross matching | (*c*) Hgb. per cent. | (*d*) Total R.B.C. Count |
|---|---|---|---|
| 277 | 64 | 2,198 | 2,211 |
| (*e*) Total W.B.C. Count | (*f*) Differential Counts | (*g*) E. S. R. | |
| 2,112 | 2,123 | 2,568 | |

(*ii*) Chemistry—44 Tests.
(*iii*) Serology—18 Kahn Tests.

| | | |
|---|---|---|
| **II.—Sputum—** | | |
| (*i*) Examination by direct smears | ... | 6,489 |
| (*ii*) Examination by Concentration method | ... | 650 |
| (*iii*) Examination by Cultures | ... | 370 |
| **III.—Urine examinations** | ... | 2,235 |
| **IV.—Stools examinations** | ... | 2,051 |
| **V.—Miscellaneous Tests** | ... | 18 |

**VI.—Solutions prepared—**

102 litres of Sterile Procaine Solution in different strength.

Sterile distilled water in large quantities was also supplied to the various departments as required from time to time.

The Laboratory also prepared all reagents and solutions and also whatever Cultural media required for its use.

TABLE 26

*Details of Surgical work done at the Group of Hospitals for Tuberculosis.*

| | | |
|---|---|---|
| Pherenic evulsions | ... | 269 |
| Thoracoscopy and Cauterisation | ... | 4 |
| Thoracoplasty | ... | 114 |
| Lobectomy | ... | 6 |
| Thoracotomy | ... | 2 |
| Bronchoscopy | ... | 11 |
| Pneumonectomy | ... | 3 |
| Bronchography | ... | 17 |

TABLE 27

STATEMENT SHOWING THE POOR BOX COLLECTION OF THE G. T. B. HOSPITALS

| | | Rs. | a. | p. |
|---|---|---|---|---|
| (1) Balance on hand on 1st January 1952 | ... | 12,373 | 11 | 9 |
| (2) Total collections during 1952 (including fees for medical certificate) | ... | 6,704 | 13 | 9 |
| (3) Spent during the year 1952 | ... | 2,240 | 15 | 6 |
| *Details of expenditure—* | | | | |
| (*a*) Streptomycin, P. A. S., etc. | ... | 1,681 | 0 | 0 |
| (*b*) News papers | ... | 55 | 13 | 6 |
| (*c*) Blood transfusions, etc. | ... | 260 | 0 | 0 |
| (*d*) Repairs to Radio sets etc. | ... | 4 | 2 | 0 |
| (*e*) Allowance to the person looking after the accounts of the Poor Box Fund | ... | 240 | 0 | 0 |
| Total | ... | 2,240 | 15 | 6 |
| (4) Balance on hand on 1st January 1953 | ... | 16,837 | 10 | 0 |

*Note.*—A regular donation of Rs. 100 per month from the British India Steam Navigation Co. Ltd., was continued during the year 1952.

## TABLE 28

AVERAGE EXPENDITURE PER PATIENT PER DAY IN THE G. T. B. HOSPITALS.

| | | Rs. | a. | p. |
|---|---|---|---|---|
| (1) Medicines | ... | 0 | 7 | 0 |
| (2) Diet | ... | 2 | 6 | 0 |
| (3) Clothing | ... | 0 | 4 | 0 |
| (4) Stores (General, including X-Ray films) | ... | 0 | 4 | 0 |
| (5) Contingencies | ... | 0 | 4 | 0 |
| (6) Normal repairs to buildings, etc. | ... | 0 | 2 | 0 |
| (7) Establishment | ... | 3 | 3 | 0 |
| | Total ... | 6 | 14 | 0 |

## TABLE 29

DETAILS OF EXPENDITURE INCURRED ON G. T. B. HOSPITALS IN 1952

| | | Rs. |
|---|---|---|
| (1) Medicines (Drugs, Surgical dressings, etc.) | ... | 43,426 |
| (2) Diet | ... | 2,43,953 |
| (3) Clothing (for staff and patients) | ... | 23,522 |
| (4) Stores—General (including X-Ray etc.) | ... | 27,580 |
| (5) Repairs (Normal) | ... | 15,016 |
| (6) Contingencies (books and dead stocks, Miscellaneous etc.) | ... | 28,516 |
| (7) Maintenance of Ambulance | ... | 420 |
| (8) Establishment | ... | 2,95,018 |
| (9) Diet for the staff | ... | 27,430 |
| | | 7,04,881 |

*Capital Expenditure.*

| | | |
|---|---|---|
| (1) Purchase of surgical instruments and appliances | ... | 62,859 |
| (2) Purchase of a pumping set at R. P. T. B. Hospital | ... | 2,033 |
| (3) Purchase of a Centrifugal pump at T. S. | ... | 2,850 |
| (4) Installation of a Lift at Bahadurji Block | ... | 39,000 |
| (5) Special repairs | ... | 5,196 |
| | | 1,10,938 |
| Grand Total | ... | 8,15,819 |

## TABLE 30

FOOD-STUFFS EXAMINED CHEMICALLY AT THE MUNICIPAL LABORATORY.

| Nature | | Municipal and Statutory. | Private. | Total. |
|---|---|---|---|---|
| Milk | | 18,276 | 485 | 18,761 |
| Ghee | | 795 | 227 | 1,022 |
| Butter | | 492 | 219 | 711 |
| Vegetable Product | | 209 | 4 | 213 |
| Margarine | | 9 | ... | 9 |
| Tea and Tea Dust | | 236 | 1 | 237 |
| Coffee | | 38 | .. | 38 |
| Turmeric | | 68 | ... | 68 |
| Asafoetida | | 7 | ... | 7 |
| Oils | | 2,094 | 80 | 2,174 |
| Other Food-stuffs. | Food Grains | 140 | ... | 140 |
| | Flours | 51 | 3 | 54 |
| | Aerated Waters | 5 | 3 | 8 |
| | Prepared Tea | 1,057 | ... | 1,057 |
| | Miscellaneous | 100 | 27 | 127 |
| | Total ... | 23,577 | 1,049 | 24,626 |

## TABLE No. 31

SAMPLES OF OTHER FOOD-STUFFS RECEIVED AT THE MUNICIPAL LABORATORY

| Nature | Total. | Number of samples found unfit for human consumption. |
|---|---|---|
| Food Grains ... ... ... | 140 | ... |
| Flours ... ... ... ... | 54 | ... |
| Aerated Waters ... ... ... | 8 | Saccharin was in excess in 3 samples. |
| Prepared Tea ... ... ... | 1,057 | Saccharin was detected in 245 samples. |
| Miscellaneous ... ... ... | 127 | 11 (5 Curds, 3 Cream, 1 Honey, 1 Cheese & 1 Milk Powder ) |
| | 1,386 | |

## TABLE 32

SAMPLES EXAMNIED FOR DIAGNOSTIC PURPOSES AT THE MUNICIPAL LABORATORY

| Nature | Total | |
|---|---|---|
| Blood for Malaria ... | 2,107 | (87 Positive). |
| Blood for Differential Count ... | 537 | |
| Blood for other Tests (R. B. C. and W. B. C.) ... | 67 | |
| Sputum for T. B. ... | 1,554 | (212 Positive). |
| Swab for Diphtheriae ... | 1,898 | ( 50 Positive). |
| Smear for Gonococci ... | 64 | ( 38 Positive). |
| Stool for General Examination ... | 207 | |
| | 6,434 | |
| Summary of the results of Stools— | | |
| *Worms*: | | |
| *Nematodes (Round Worms)*— | | |
| Ascaris lumbricoides ... | 46 | |
| Strongyloides stercoralis ... | 1 | |
| Ancylostoma duodenale ... | 5(2) | |
| Trichuris trichiura ... | 2(3) | |
| Oxyuris vermicularis ... | 1 | |
| *Cestodes (Flat Worms)*— | | |
| Hymenolepis nana ... | 1 | |
| *Protozoa*: | | |
| Endamoeba histolytica ... | 7 | |
| Giardia lamblia ... | 10(4) | |
| Balantidium coli ... | 3 | |
| Trichomonas intestinalis ... | 1(1) | |
| Normal: ... | 130 | |
| | 207 | |

Figures in brackets show samples of Stool which showed presence of more than one infection.

## TABLE 33

SAMPLES OF MISCELLANEOUS NATURE EXAMINED AT THE MUNICIPAL LABORATORY.

| Nature | Total | Number of samples found unfit for human consumption |
|---|---|---|
| Vaccine ... | 78 | ... |
| Aerated Waters ... | 209 | 62 |
| Ice ... | 30 | 23 |
| Ice-cream ... | 8 | 6 |
| Ice-candy ... | 68 | 53 |
| Sweetmeats ... | 56 | 31 |
| Sugar-cane Juice ... | 20 | 20 |
| Pasteurized Milk ... | 1 | ... |
| Beef ... | 97 | 1 |
| Cigarettes ... | 8 | 8 |
| Other Food-stuffs ... | 23 | 5 |
| | 598 | 209 |

# TABLE No. 34

## *Statement of Samples examined chemically at the Municipal Laboratory*

| Received from. | Water. | | | Food-Stuffs. | | | | | | | | | | Other Food-Stuffs. | | | | | Miscellaneous. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bombay. | Well. | Other. | Milk. | Ghee. | Butter. | Vegetable Product. | Margarine. | Tea and Tea Dust. | Coffee. | Turmeric Powder | Asafoetida. | Oils. | Aerated Waters. | Food Grains. | Flours. | Prepared Tea. | Miscellaneous. | Chemicals. | Ink. | Paint. | Soap. | Miscellaneous. | Urine | Total. |
| The Milk Inspectors ... | ... | ... | ... | 13054 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 13,054 |
| The Inspectors from A & B Wards ... | ... | ... | 14 | 917 | 161 | 150 | 17 | ... | 67 | 2 | 18 | 4 | 514 | 1 | ... | 13 | 86 | 17 | ... | ... | ... | ... | ... | | 1981 |
| Do. C & D Wards ... | ... | 22 | 23 | 961 | 325 | 78 | 78 | ... | 101 | 23 | 2 | ... | 356 | ... | ... | 4 | 105 | 22 | ... | ... | ... | ... | ... | | 2100 |
| Do. E Ward ... | ... | 1 | 15 | 820 | 27 | 94 | 82 | ... | 23 | 8 | 38 | ... | 468 | 2 | ... | 32 | 317 | 17 | ... | ... | ... | ... | ... | | 1944 |
| Do. F Ward ... | ... | 2 | 6 | 485 | 77 | 67 | 5 | 1 | 8 | 1 | ... | ... | 119 | ... | ... | ... | 80 | 4 | ... | ... | ... | ... | ... | | 855 |
| Do. G Ward ... | ... | ... | 10 | 478 | 35 | 62 | 27 | 5 | 13 | 2 | 9 | 1 | 193 | 2 | ... | 2 | 151 | 30 | ... | ... | ... | ... | ... | | 1020 |
| Do. Suburbs ... | ... | 57 | 7 | 1494 | 161 | 32 | ... | 3 | 24 | 1 | 1 | 2 | 419 | ... | ... | ... | 318 | 6 | ... | ... | ... | ... | ... | | 2525 |
| The Executive Health Officer ... | ... | ... | 1 | 1 | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | | 5 |
| The Asstt. Health Officer A & B Wards... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 140 | ... | ... | ... | ... | ... | ... | ... | 15 | | 155 |
| The Municipal Commissioner ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 194 | ... | ... | 7 | | 201 |
| The Municipal Hospitals ... | ... | ... | ... | 30 | ... | 9 | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | 2 | 2 | ... | ... | ... | ... | | 47 |
| The Municipal Maternity Homes ... | — | ... | ... | 36 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 36 |
| The Superintendent of Gardens ... | ... | ... | ... | ... | 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 8 |
| The Superintendent of Markets ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | | 1 |
| The Controller of Stores ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | ... | ... | ... | ... | ... | ... | ... | 109 | 42 | 58 | | 230 |
| The Election & Town Duty Officer ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 2 | | 3 |
| The Superintendent of License ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 237 | ... | ... | ... | ... | | 237 |
| The Asstt. Superintendent of License (Sub.) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 67 | ... | ... | ... | ... | | 67 |
| The Hydraulic Engineer ... | 168 | ... | 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 45 | | 224 |
| The Chief Engineer (D.T') ... | ... | ... | 13 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 13 |
| The Indecticide Officer ... | ... | ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 3 |
| The Epidemiologist ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | | 1 |
| The Mechanical Engineer ... | ... | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | | 18 |
| The Manager, Municipal Press ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | | 7 |
| The Asstt. Engineer (out-side City) ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 2 |
| The Other Municipal Authorities ... | 72 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 671 | 743 |
| Private Parties ... | ... | 13 | 15 | 485 | 227 | 219 | 4 | ... | 1 | ... | ... | ... | 80 | 3 | ... | 3 | ... | 27 | ... | ... | ... | ... | 4 | 349 | 1430 |
| Total ... | 240 | 95 | 127 | 18261 | 1022 | 711 | 213 | 9 | 237 | 38 | 68 | 7 | 2174 | 8 | 140 | 54 | 1057 | 127 | 306 | 195 | 109 | 42 | 150 | 1020 | 26910 |

# TABLE No. 35

*Samples examined Bacteriologically at the Municipal Laboratory.*

| Received from. | Water. | | | Samples for Diagnostic purposes. | | | | | | | Miscelleneous | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bombay. | Other. | Well. | Sputum for T. B. | Swab for Diptheria. | Blood for Malaria Prasites. | Blood for Differental Count. | Blood for other Tests. | Smear for Gonococci. | Stool | Aerated water. | Ice | Ice-Cream | Sweet meats | Ice-candy. | Sugar Cane Juice. | Pasteurised Milk | Beef | Cigarettes | Miscellaneous food-stuffs | Vaccine | Disinfectant | |
| The Insps. from A & B Wards ... ... ... | ... | 33 | 2 | ... | 224 | ... | ... | ... | ... | ... | 24 | 10 | 1 | ... | 7 | 6 | 1 | ... | ... | 3 | ... | ... | 311 |
| „ „ „ C & D „ ... ... ... | ... | 30 | 7 | ... | 466 | ... | ... | ... | ... | ... | 47 | 4 | 2 | 35 | 17 | 5 | ... | ... | ... | 2 | ... | ... | 615 |
| „ „ „ E „ ... ... ... | ... | 30 | 1 | ... | 354 | ... | ... | ... | ... | ... | 64 | 12 | ... | ... | 14 | 4 | ... | ... | ... | ... | ... | ... | 479 |
| „ „ „ F „ ... ... ... | ... | 11 | ... | ... | 238 | ... | ... | ... | ... | ... | 19 | 2 | ... | ... | 3 | 2 | ... | ... | ... | 3 | ... | ... | 278 |
| „ „ „ G „ ... ... ... | ... | 31 | 1 | ... | 195 | ... | ... | ... | ... | ... | 52 | 1 | 4 | 6 | 21 | 3 | ... | ... | ... | ... | ... | ... | 314 |
| „ „ „ Suburbs. ... ... ... | ... | 7 | 15 | ... | 421 | ... | ... | ... | ... | ... | 1 | ... | ... | 11 | 6 | ... | ... | ... | ... | 3 | ... | ... | 464 |
| The Asstt. Health Officer A & B Wards ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| The Asstt. Health Officer C & D Wards ... | ... | ... | ... | ... | ... | 7 | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| The Supdt. of Vaccination. ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 78 | ... | 78 |
| The Controller of Stores ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | 11 |
| The Mechanical Engineer ... ... ... | ... | 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 |
| The Chief Engineer (D. T.) ... ... ... | ... | 20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 |
| The Hydraulic Engineer ... ... ... | 168 | 65 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 233 |
| M. A. (B.P.T.) ... ... ... | ... | 439 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 439 |
| The G. T. Hospital ... ... ... | ... | ... | ... | ... | ... | 33 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33 |
| Other Municipal Authorities ... ... ... | 72 | ... | ... | 1467 | ... | 2073 | 527 | 62 | 15 | 194 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 4411 |
| Private Parties' ... ... ... | ... | 27 | 3 | 87 | ... | 1 | 10 | 5 | 49 | 13 | 2 | 1 | ... | ... | ... | ... | ... | 97 | 8 | 11 | ... | 2 | 316 |
| Total ... | 240 | 704 | 29 | 1554 | 1898 | 2107 | 537 | 67 | 64 | 207 | 269 | 30 | 8 | 56 | 68 | 20 | 1 | 97 | 8 | 23 | 78 | 13 | 8018 |

## TABLE 36

*Samples of Food-stuffs examined under the Bombay Prevention of Adulteration Act at the Municipal Laboratory.*

| Received From— | Milk. | | | Ghee. | | | Butter. | | | Vegetable Product. | | | Margarine. | | Tea Leaves and Dust. | | Coffee. | | Turmeric. | | Asafoetida. | | Oils. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total. | Below the Standard. | % of Adulteration. | Total. | Below the Standard. | % of Adulteration. | Total. | Below the Standard. | % of Adulteration. | Total. | Below the Standard. | % of Adulteration. | Total. | Below the Standard. | Total. | Below the Standard. | Total. | Below the Standard. | Total. | Below the Standard. | Total. | Below the Standard. | Total. | Below the Standard. |
| The Milk Inspectors ... | 12,296 | 1,160 | 9.4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| The Inspectors from A & B Wards | 848 | 68 | 8.0 | 161 | 13 | 8.1 | 150 | 29 | 19.3 | 17 | ... | ... | ... | ... | 67 | 2 | 2 | 1 | 18 | ... | 4 | 4 | 514 | 17 |
| „ „ „ C & D „ | 773 | 49 | 6.3 | 325 | 25 | 7.7 | 78 | 15 | 19.2 | 78 | ... | ... | ... | ... | 101 | ... | 23 | 6 | 2 | ... | ... | ... | 356 | 4 |
| „ „ „ E Ward | 740 | 71 | 9.6 | 27 | 1 | 3.7 | 94 | 22 | 23.4 | 82 | 1 | 1.2 | ... | ... | 23 | ... | 8 | 4 | 38 | ... | ... | ... | 468 | 19 |
| „ „ „ F „ | 387 | 49 | 12.6 | 77 | 5 | 6.5 | 67 | 24 | 35.8 | 5 | ... | ... | 1 | ... | 8 | 3 | 1 | ... | ... | ... | ... | ... | 119 | 9 |
| „ „ „ G „ | 412 | 71 | 17.2 | 35 | 7 | 20.0 | 62 | 14 | 22.6 | 27 | ... | ... | 5 | ... | 13 | ... | 2 | ... | 9 | ... | 1 | ... | 193 | 24 |
| „ „ „ Suburbs ... | 1345 | 364 | 27.1 | 161 | 9 | 5.6 | 32 | 8 | 25.0 | ... | ... | ... | 3 | ... | 24 | 6 | 1 | ... | 1 | ... | 2 | 2 | 419 | 27 |
| The Executive Health Officer. | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... |
| Private Parties ... ... | 485 | 78 | 16.1 | 227 | 99 | 33.6 | 219 | 116 | 53.0 | 4 | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 80 | 3 |
| Total ... | 17,287 | 1,910 | 11.0 | 1,014 | 159 | 15.7 | 702 | 228 | 32.5 | 213 | 1 | 0.5 | 9 | ... | 237 | 12 | 38 | 12 | 68 | ... | 7 | 6 | 2149 | 103 |

# TABLE 37

*Chemical analysis of Bombay waters samples*

*(1952)*

*Parts per 100,000*

| Source. | January. | | February. | | March. | | April. | | May. | | June. | | July. | | August. | | September. | | October. | | November. | | December. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II |
| *Tansa Water from the Tansa Lake :—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 12.0 | 12.0 | 12.0 | 12.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 12.0 | 10.0 | 12.0 | 12.0 | 12.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Chlorides ... ... ... | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Free Ammonia ... ... ... | 0.001 | 0.003 | *Nil.* | 0.001 | 0.002 | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil* | 0.003 | 0.004 | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.001 | 0.001 | 0.001 |
| Albuminoid Ammonia ... ... | 0.008 | 0.018 | 0.020 | 0.006 | 0.008 | 0.008 | 0.008 | 0.003 | 0.006 | 0.008 | 0.008 | 0.005 | 0.008 | 0.007 | 0.004 | 0.005 | 0.006 | 0.008 | 0.006 | 0.006 | 0.009 | 0.014 | 0.014 | 0.014 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.034 | 0.112 | 0.022 | 0.048 | 0.048 | 0.054 | 0.056 | 0.028 | 0.048 | 0.035 | 0.032 | 0.032 | 0.021 | 0.053 | 0.040 | 0.035 | 0.050 | 0.058 | 0.048 | 0.066 | 0.068 | 0.071 | 0.074 | 0.078 |
| *Tansa Water from the 48" Tansa Main at Ston.. Cabin :—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 11.0 | 11.0 | 11.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| Chlorides ... ... ... | 0.8 | 0.9 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Free Ammonia ... ... .. | *Nil* | *Nil.* | *Nil* | *Nil* | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil.* | 0.001 | *Nil.* | 0.001 | 0.006 | *Nil.* | *Nil.* | 0.001 | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia ... ... | 0.006 | 0.016 | 0.016 | 0.004 | 0.004 | 0.007 | 0.004 | 0.006 | 0.004 | 0.005 | 0.006 | 0.004 | 0.006 | 0.006 | 0.005 | 0.004 | 0.006 | 0.003 | 0.003 | 0.003 | 0.005 | 0.003 | 0.009 | 0.009 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.040 | 0.106 | 0.110 | 0.036 | 0.032 | 0.043 | 0.032 | 0.048 | 0.028 | 0.032 | 0.032 | 0.026 | 0.018 | 0.048 | 0.038 | 0.032 | 0.045 | 0.028 | 0.026 | 0.027 | 0.036 | 0.030 | 0.034 | 0.036 |
| *Tansa Water from The Inlet at Malabar Hill Reservior :—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 12.0 | 12.0 | 12.0 | 12.0 | 11.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 11.0 | 11.0 | 11.8 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| Chlorides ... ... ... | 2.8 | 0.8 | 0.9 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Free Ammonia ... ... ... | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia. ... | 0.004 | 0.009 | 0.004 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.007 | 0.007 | 0.005 | 0.003 | 0.004 | 0.005 | 0.005 | 0.004 | 0.005 | 0.004 | 0.004 | 0.003 | 0.002 | 0.008 | 0.008 | 0.008 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.030 | 0.058 | 0.032 | 0.056 | 0.037 | 0.036 | 0.045 | 0.042 | 0.048 | 0.038 | 0.030 | 0.025 | 0.020 | 0.038 | 0.036 | 0.035 | 0.035 | 0.035 | 0.020 | 0.026 | 0.038 | 0.039 | 0.037 | 0.035 |
| *Tulsi Water from Tulsi Lake :—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 10.0 | 13.0 | 12.0 | 14.0 | 14.0 | 14.0 | 14.0 | 13.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Chlorides ... ... ... | 1.2 | 1.2 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.5 | 1.4 | 1.4 | 1.0 | 1.4 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.8 | 1.3 | 1.3 |
| Free Ammonia ... ... ... | *Nil.* | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.004 | *Nil.* | 0.003 | *Nil.* | *Nil.* | *Nil.* | *N.l.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia ... ... | 0.006 | 0.018 | 0.028 | 0.001 | 0.010 | 0.010 | 0.008 | 0.008 | 0.012 | 0.009 | 0.011 | 0.004 | 0.012 | 0.006 | 0.014 | 0.006 | 0.009 | 0.006 | 0.006 | 0.006 | 0.006 | 0.011 | 0.012 | 0.012 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.040 | 0.112 | 0 142 | 0.096 | 0.064 | 0.064 | 0.072 | 0.064 | 0.084 | 0.045 | 0.065 | 0.030 | 0.057 | 0.058 | 0.065 | 0.052 | 0.085 | 0.058 | 0.045 | 0.074 | 0.054 | 0.059 | 0.061 | 0.083 |
| *Tansa Water from 57" Tansa Main at Bandra Cabin :—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 11.0 | 12 9 | 13 9 | 12.0 | 11.0 | 12.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 11.0 | 11.0 | 11.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| Chlorides ... ... ... | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.8 | 0.8 | 1.0 | 0.9 | 1.0 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Free Ammonia ... ... ... | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil.* | *Nil* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *N.l.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia ... ... | 0.004 | 0.014 | 0.018 | 0.007 | 0.006 | 0.008 | 0.006 | 0.006 | 0.005 | 0.005 | 0.005 | 0.003 | 0.004 | 0.006 | 0.007 | 0.006 | 0.004 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.009 | 0.007 |
| Oxygen absorbed at 80°F. (Tidy's Process)... | 0.032 | 0.088 | 0.102 | 0.064 | 0.032 | 0.030 | 0.092 | 0.046 | 0.038 | 0.032 | 0.030 | 0.033 | 0.019 | 0.040 | 0.028 | 0.032 | 0.032 | 0.035 | 0.050 | 0.030 | 0.032 | 0.033 | 0.042 | 0.039 |

TABLE 37—(*Contd.*)

| Source. | January. | | February. | | March. | | April. | | May. | | June. | | July. | | August. | | September. | | October. | | November. | | December. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II |
| *Vehar Water from the Vehar Lake:—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 9.5 | 13.0 | 10.0 | 13.0 | 20.0 | 16.0 | 15.0 | 12.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Chlorides ... ... ... | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.5 | 1.4 | 1.5 | 0.8 | 1.4 | 1.0 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 |
| Free Ammonia ... ... ... | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.004 | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | 0.004 | *Nil.* | *Nil.* | *Nil.* | 0.001 | 0.001 | 0.001 |
| Albuminoid Ammonia ... ... | 0.015 | 0.015 | 0.018 | 0.012 | 0.010 | 0.010 | 0.010 | 0.009 | 0.012 | 0.011 | 0.013 | 0.004 | 0.009 | 0.008 | 0.007 | 0.005 | 0.009 | 0.009 | 0.009 | 0.014 | 0.019 | 0.019 | 0.020 | 0.024 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.076 | 0.098 | 0.110 | 0.012 | 0.008 | 0.088 | 0.084 | 0.058 | 0.076 | 0.062 | 0.065 | 0.038 | 0.080 | 0.068 | 0.049 | 0.040 | 0.092 | 0.082 | 0.086 | 0.078 | 0.080 | 0.083 | 0.086 | 0.087 |
| *Tansa Water from the Inlet at Bhandarwada Reservoir:—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 10.0 | 11.0 | 12.0 | 12.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 11.0 | 11.0 | 11.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| Chlorides ... ... ... | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Free Ammonia ... ... .. | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.004 | 0.004 | 0.001 | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia ... ... | 0.006 | 0.009 | 0.018 | 0.006 | 0.008 | 0.008 | 0.006 | 0.006 | 0.005 | 0.006 | 0.005 | 0.004 | 0.005 | 0.006 | 0.006 | 0.004 | 0.005 | 0.00) | 0.004 | 0.004 | 0.005 | 0.007 | 0.001 | 0.013 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.028 | 0.048 | 0.112 | 0.056 | 0.046 | 0.046 | 0.048 | 0.052 | 0.036 | 0.036 | 0.32 | 0.034 | 0.020 | 0.045 | 0.032 | 0.032 | 0.038 | 0.048 | 0.025 | 0.038 | 0.040 | 0.036 | 0.039 | 0.040 |
| *Tansa Water from the outlet at Gowalia Tank Fire Bridge Station:—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 12.0 | 12.0 | 12.0 | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 9.0 | 10.0 | 10.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Chlorides ... ... ... | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.8 |
| Free Ammonia ... ... ... | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | 0.005 | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| Albuminoid Ammonia ... ... | 0.008 | 0.017 | 0.012 | 0.006 | 0.006 | 0.006 | 0.005 | 0.005 | 0.006 | 0.010 | 0.007 | 0.002 | 0.005 | 0.003 | 0.005 | 0.004 | 0.004 | 0.004 | 0.003 | 0.007 | 0.008 | 0.008 | 0.009 | 0.011 |
| Oxygen Absorbed at 80°F. (Tidy's Process)... | 0.036 | 0.110 | 0.092 | 0.006 | 0.04 | 0.030 | 0.038 | 0.038 | 0.042 | 0.064 | 0.042 | 0.026 | 0.021 | 0.035 | 0.028 | 0.032 | 0.036 | 0.045 | 0.028 | 0.038 | 0.048 | 0.060 | 0.062 | 0.063 |
| *Tulsi Water from 24" Tulsi Main at Santa Cruz:—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 12.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.0 | 10.0 | 12.0 | 12.0 | 13.0 | 14.0 | 13.0 | 12.0 | 13.0 | 13.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Chlorides ... ... ... | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.4 | 1.4 | 1.8 | 1.0 | 1.3 | 1.2 | 1.2 | 1.2 | 1.4 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Free Ammonia ... ... ... | 0.012 | 0.024 | *Nil.* | 0.001 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.005 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* | 0.007 |
| Albuminoid Ammonia ... ... | 0.006 | 0.009 | 0.006 | 0.007 | 0.006 | 0.006 | 0.006 | 0.005 | 0.007 | 0.008 | 0.009 | 0.006 | 0.005 | 0.006 | 0.0 4 | 0.006 | 0.004 | 0.007 | 0.004 | 0.004 | 0.004 | 0.004 | 0.009 | 0.009 |
| Oxygen Absorbed at 80°F. (Tidy's Process).. | 0.040 | 0.068 | 0.048 | 0.063 | 0.032 | 0.048 | 0.048 | 0.044 | 0.052 | 0.056 | 0.054 | 0.030 | 0.045 | 0.040 | 0.035 | 0.035 | 0.038 | 0.058 | 0.030 | 0.043 | 0.045 | 0.041 | 0.048 | 0.076 |
| *Vehar Water from 48" Vehar Main at Powai:—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Solids ... ... ... | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 | 13.0 | 13.0 | 13.0 | 13.0 | 9.0 | 12.0 | 10.0 | 14.0 | 18.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Chlorides ... ... ... | 1.4 | 1.3 | 0.8 | 0.8 | 0.8 | 1.2 | 1.2 | 1.2 | 1.4 | 1.3 | 1.8 | 0.8 | 1.4 | 1.0 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 |
| Free Ammonia ... ... ... | *Nil.* | *Nil.* | *Nil.* | *Nil* | *Nil.* | *Nil* | *Nil.* | *Nil.* | *Nil.* | 0.001 | *Nil.* | 0.004 | *Nil.* | 0.003 | *Nil.* | *Nil.* | *Nil.* | 0.001 | *Nil.* | 0 001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Albuminoid Ammonia ... ... | 0.004 | 0.006 | 0.008 | 0.0 6 | 0.008 | 0.008 | 0.008 | 0.004 | 0.006 | 0.003 | 0.009 | 0.006 | 0.008 | 0.008 | 0.005 | 0.006 | 0.009 | 0.007 | 0.008 | 0.007 | 0.011 | 0.011 | 0.018 | 0 017 |
| Oxygen Absorbed at 80°F (Tidy's Process) ... | 0.030 | 0.040 | 0.054 | 0.056 | 0.056 | 0.054 | 0.056 | 0.036 | 0.048 | 0.038 | 0.054 | 0.036 | 0.065 | 0.055 | 0.035 | 0.036 | 0.065 | 0.050 | 0.048 | 0.054 | 0.072 | 0.074 | 0.078 | 0.075 |

# TABLE 38

*Bacteriological Analysis of Bombay water samples.*

*1952.*

*Lactose Fermenters*

| Source. | January. | | February. | | March. | | April. | | May. | | June. | | July. | | August. | | September. | | October. | | November. | | December. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II | I | II |
| Vehar water from 32" Vehar Main at King's Circle. | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 |
| Vehar water from 24" Vehar Main at Sion Causeway. | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 |
| Tansa water from the Inlet at Malbar Hill Reservoir | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from 57" East Tansa Main | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from 57" West Tansa Main | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from Inlet at Bhandarwada Reservoir | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from the 48" New Tansa Main | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from the 48" Old Tansa Main | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tulsi water from 24" Tulsi Main at Santa-Cruz | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 |
| Tansa water from the Out-let at Gowalia Tank Fire Brigade Station, | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 100 | c. c. —in 50 | c. c. —in 100 |

## TABLE 39

VACCINE OPERATIONS WITH RESULTS.

| Year. | Total No. of live births registered during the 12 months ending on 30th June. | Primary vaccinations No. of children vaccinated during the calender year. | Number Successful. | Percentage of successful vaccinations to the total No. of vaccinations, results of which were known. | No. of Revaccinations. | Total No. of persons vaccinated (including primary vaccinations). |
|---|---|---|---|---|---|---|
| 1943 | 33,608 | 46,000 | 40,045 | 96.62 | 1,90,330 | 2,36,330 |
| 1944 | 54,707 | 58,825 | 46,464 | 99.47 | 7,59,978 | 8,18,803 |
| 1945 | 53,133 | 53,971 | 44,979 | 99.53 | 1,88,544 | 2,42,515 |
| 1946 | 55,398 | 51,574 | 38,174 | 99.66 | 9,63,301 | 10,14,875 |
| 1947 | 49,679 | 57,846 | 47,269 | 99.81 | 2,36,497 | 2,94,343 |
| 1948 | 51,638 | 61,086 | 49,244 | 99.81 | 5,66,914 | 6,28,000 |
| 1949 | 57,042 | 73,520 | 60,576 | 99.96 | 16,27,587 | 17,01,107 |
| 1950 | 59,419 | 76,750 | 66,023 | 99.96 | 4,48,355 | 5,25,105 |
| 1951 | 65,679 | 74,434 | 65,552 | 99.92 | 6,49,353 | 7,23,787 |
| 1952 | 64,174 | 72,871 | 65,031 | 99.98 | 4,25,534 | 4,98,405 |

## TABLE 40

RESULTS OF PRIMARY VACCINATIONS BY AGES. (Bombay City)

| Results. | Under 1 Year. | 1 to 6 years. | 6 years & upwards. | Total. |
|---|---|---|---|---|
| Successful ... | 58,687 | 13,927 | 257 | 72,871 |
| Unsuccessful ... | 6 | 1 | ... | 7 |
| Unknown ... | 6,217 | 1,575 | 60 | 7,852 |

## TABLE 41

INCOME DERIVED DURING THE YEAR 1952 BY SALE OF LYMPH, ETC., AND COST OF EACH OPERATION.

| Amount realised by the sale of lymph. | Municipal moiety of the fees realised from private Vaccination. | Municipal fees (Moiety only) realised from Medical and Private students for receiving instructions in Vaccination. | Fees realised from Vaccination certificates and other items. | Fees realised for the issue of certificates of Vaccination in International form. | Total realised. |
|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) |
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 5,656 8 0 | 2,303 4 0 | 2,195 0 0 | 350 0 0 | 14,076 0 0 | 24,580 12 0 |

| Cost of each successful operation taking into account all charges in 1952. | | Cost of each successful vaccination deducting the total income of the year. | | Cost of each vaccination (Primary and Re) | |
|---|---|---|---|---|---|
| 1951. | 1952. | 1951. | 1952. | 1951. | 1952. |
| (7) | | (8) | | (9) | |
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| 2 15 4 | 2 11 4 | 2 7 1 | 2 5 9 | 0 4 2 | 0 5 8 |

# APPENDIX II

## TABLE 1

## POPULATION BY SECTIONS.

| Ward | Section. | Population | | | | | |
|---|---|---|---|---|---|---|---|
| | | By the Census 1951. | | | By the Census 1941. | | |
| | | Males. | Females. | Total. | Males. | Females. | Total. |
| | 1 | 2 | | | | | |
| A | Upper Colaba ... | 9,008 | 4,720 | 13,728 | 7,210 | 1,091 | 8,301 |
| | Middle and Lower Colaba ... | 24,577 | 14,583 | 39,160 | 21,513 | 12,007 | 33,520 |
| | Fort, South ... | 11,908 | 4,932 | 16,840 | 9,656 | 3,738 | 13,394 |
| | Fort, North ... | 24,797 | 11,831 | 36,628 | 18,367 | 10,189 | 28,556 |
| | Esplanade ... | 27,545 | 14,241 | 41,786 | 11,938 | 6,530 | 18,468 |
| B | Mandvi ... | 23,923 | 12,448 | 36,407 | 25,411 | 13,503 | 38,914 |
| | Chakla ... | 18,373 | 11,054 | 29,427 | 13,986 | 8,068 | 22,054 |
| | Umerkhadi ... | 49,443 | 31,029 | 80,472 | 32,567 | 19,715 | 52,282 |
| | Dongri ... | 19,381 | 13,165 | 32,546 | 12,680 | 9,082 | 21,762 |
| C | Khara Talao ... | 19,755 | 12,405 | 32,160 | 22,998 | 14,071 | 37,069 |
| | Kumbharwada ... | 29,244 | 15,455 | 44,699 | 18,957 | 10,898 | 29,855 |
| | Bhuleshwar ... | 37,542 | 21,479 | 59,021 | 19,033 | 8,634 | 27,667 |
| | Market ... | 37,662 | 17,346 | 55,008 | 22,923 | 11,461 | 34,384 |
| | Dhobi Talao ... | 44 134 | 25,563 | 69,697 | 29,147 | 17,843 | 46,990 |
| | Fanaswadi ... | 35,292 | 21,693 | 56,985 | 21,575 | 14,362 | 35,937 |
| D | Khetwadi ... | 42,367 | 27,704 | 70,071 | 31,229 | 21,455 | 52,684 |
| E | Tardeo ... | 31,982 | 19,456 | 51,438 | 21,216 | 13,996 | 35,212 |
| D | Girgaum ... | 42,448 | 27,445 | 69,893 | 32,485 | 21,470 | 53,955 |
| | Chowpati ... | 20.738 | 12,932 | 33,670 | 13,670 | 9,082 | 22,752 |
| | Walkeshwar ... | 23,720 | 15,637 | 39,357 | 15,354 | 9,797 | 25,151 |
| | Mahalakshmi ... | 37,649 | 23,545 | 61,194 | 32,254 | 22,368 | 54,622 |
| E | Mazagaon ... | 36,497 | 17,826 | 54,323 | 28,575 | 15,762 | 44,337 |
| | Tarwadi ... | 38,996 | 20,029 | 59,025 | 24,210 | 14,659 | 38,869 |
| | 1st Nagpada ... | 12,336 | 8,306 | 20,642 | 6,350 | 4,740 | 11,090 |
| | 2nd Nagpada ... | 24,675 | 14,713 | 39,388 | 19,635 | 11,055 | 30,690 |
| | Kamathipura ... | 35,401 | 21,969 | 57,370 | 26,346 | 16,063 | 42,409 |
| | Byculla ... | 96,970 | 48,924 | 1,45,894 | 62,908 | 33,570 | 96,478 |
| F | Parel ... | 71,981 | 39,296 | 1,11,277 | 43,836 | 27,590 | 71,426 |
| | Sewri ... | 42,585 | 20,502 | 63,087 | 20,625 | 11,239 | 31,864 |
| | Naigaum ... | 66,224 | 39,837 | 1,06,061 | 32,448 | 19,717 | 52,165 |
| | Matunga ... | 31,390 | 21,839 | 53,229 | 25,562 | 18,195 | 43,757 |
| | Sion ... | 44,857 | 32,324 | 77,199 | 13,169 | 8,871 | 22,040 |
| G | Dadar ... | 85,270 | 55,096 | 1,40,366 | 30,727 | 19,885 | 50,612 |
| | Mahim ... | 36,021 | 28 063 | 64,084 | 25,566 | 19,139 | 44,705 |
| | Parbhadevi ... | 52,214 | 29,367 | 81,581 | 37,023 | 21,775 | 58,798 |
| | Worli ... | 61,663 | 36 717 | 98,380 | 35,777 | 20,887 | 56,664 |
| | Chinchpokli ... | 1,00,897 | 48 404 | 149,301 | 38,528 | 21,229 | 59,757 |
| | Love Grove ... | 6,809 | 3,704 | 10,513 | 3,386 | 1,313 | 4,699 |
| | Harbour, Docks, Railways and Unknown ... | 20,945 | 30,93 | 24,038 | 33,613 | 2,381 | 35,994 |
| | Total ... | 14,77,219 | 8,48,726 | 23,25,945 | 9,42,453 | 5,47,430 | 14,89,883 |

## TABLE 2

TABLE SHOWING THE AREA, DENSITY OF POPULATION, THE NUMBER OF BIRTHS, THE BIRTH-RATE AND DEATHS UNDER ONE YEAR PER 1,000 BIRTHS BY SECTIONS IN 1952.

| 1 | 2 | 3 | 4 | | | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| Sections. | Area in Acres. | Average Population per Acre calculated on the Census Population of 1951. | Number of Births Registered | | | No. of Births per 1,000 of Population. | Mean ratio of Births per 1,000 of Population during the preceding 5 years. | Deaths under 1 year per 1,000 Births. |
| | | | Males. | Females. | Total. | | | |
| Upper Colaba ... | 605.77 | 22.7 | 250 | 225 | 475 | 34.6 | 32.2 | 18.9 |
| Middle and Lower Colaba ... | 790.88 | 49.5 | 595 | 600 | 1,195 | 30.5 | 28.1 | 132.2 |
| Fort, Southern ... | 454.26 | 37.1 | 152 | 147 | 299 | 17.8 | 23.9 | 63.5 |
| Fort, Northern ... | 89.70 | 121.0 | 580 | 536 | 1,116 | 30.5 | 34.2 | 120.1 |
| Esplanade ... | 648.41 | 64.4 | 552 | 524 | 1,076 | 25.8 | 40.6 | 118.0 |
| Mandvi ... | 171.60 | 212.1 | 622 | 631 | 1,253 | 34.4 | 28.4 | 142.9 |
| Chakla ... | 45.16 | 651.6 | 433 | 411 | 844 | 28.7 | 35.3 | 97.2 |
| Umarkhadi ... | 94.95 | 847.5 | 1,078 | 998 | 2,076 | 25.8 | 35.3 | 133.9 |
| Dongri ... | 296.50 | 109.8 | 698 | 603 | 1,301 | 40.0 | 45.4 | 116.1 |
| Khara Talao ... | 57.36 | 560.7 | 515 | 500 | 1,015 | 31.6 | 25.5 | 141.9 |
| Kumbharwada ... | 42.05 | 863.0 | 698 | 639 | 1,337 | 30.0 | 36.9 | 118.9 |
| Bhuleshwar ... | 43.22 | 565.6 | 919 | 837 | 1,756 | 29.8 | 46.5 | 135.0 |
| Market ... | 81.75 | 672.9 | 643 | 614 | 1,257 | 22.9 | 33.7 | 120.1 |
| Dhobi Talao ... | 114.63 | 608.0 | 970 | 984 | 1,954 | 28.3 | 33.8 | 131.5 |
| Fanaswadi ... | 102.39 | 556.5 | 778 | 712 | 1,490 | 26.1 | 36.5 | 90.6 |
| Khetwadi ... | 153.71 | 455.9 | 1,008 | 972 | 1,980 | 28.3 | 34.7 | 105.6 |
| Tardeo ... | 146 92 | 350.1 | 777 | 719 | 1,496 | 29.1 | 34.0 | 122.3 |
| Girgaum ... | 114.42 | 610.8 | 988 | 835 | 1,823 | 26.1 | 32.1 | 98.7 |
| Chowpati ... | 106.52 | 316.1 | 455 | 426 | 881 | 26.2 | 42.9 | 85.1 |
| Walkeshwar ... | 584.20 | 67.4 | 484 | 439 | 923 | 23.5 | 34.3 | 89.9 |
| Mahalakshmi ... | 680.02 | 89.9 | 1,106 | 1,104 | 2,210 | 36.1 | 35.0 | 129.4 |
| Mazagon ... | 544.41 | 99.8 | 996 | 1,031 | 2,027 | 37.3 | 34.3 | 160.8 |
| Tarwadi ... | 359.90 | 164.0 | 738 | 735 | 1,473 | 25.0 | 30.7 | 143.9 |
| 1st Nagpada ... | 96.20 | 214.6 | 317 | 251 | 568 | 27.5 | 41.5 | 218.3 |
| 2nd Nagpada ... | 86.53 | 455.2 | 734 | 674 | 1,408 | 35.5 | 38.7 | 172.6 |
| Kamathipura ... | 60.32 | 951.0 | 757 | 690 | 1,447 | 25.2 | 27.2 | 277.1 |
| Byculla ... | 536.27 | 272.1 | 2,148 | 1,956 | 4,104 | 28.1 | 31.7 | 168.4 |
| Parel ... | 560.59 | 198.5 | 1,927 | 1,878 | 3,805 | 34.2 | 42.6 | 120.1 |
| Sewri ... | 1,129.59 | 55.9 | 869 | 760 | 1,629 | 25.8 | 34.1 | 189.7 |
| Naigaum ... | 425.08 | 249.5 | 1,320 | 1,205 | 2,525 | 23.8 | 37.2 | 149.3 |
| Matunga ... | 388.46 | 137.0 | 981 | 846 | 1,827 | 34.3 | 37.0 | 66.8 |
| Sion ... | 2,727.89 | 28.3 | 1,203 | 1,067 | 2,270 | 29.4 | 56.7 | 193.8 |
| Dadar ... | 1,450.38 | 96.8 | 2,152 | 1,984 | 4,136 | 29.5 | 40.4 | 145.6 |
| Mahim ... | 370.74 | 172.9 | 1,292 | 1,141 | 2,433 | 38.0 | 48.1 | 119.2 |
| Parbhadevi ... | 489.46 | 166.7 | 1,568 | 1,423 | 2,991 | 36.7 | 39.3 | 145.4 |
| Worli ... | 915.11 | 107.5 | 1,663 | 1,545 | 3,208 | 32.6 | 36.9 | 109.9 |
| Chinchpokli ... | 477.31 | 312.8 | 1,218 | 1,175 | 2,393 | 16.0 | 25.6 | 208.1 |
| Love Grove ... | 708.76 | 14.8 | 71 | 53 | 124 | 11.8 | 25.7 | 217.1 |
| Harbour, Docks, Railways and Unknown ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 16,761,57 | 138.8 | 34,255 | 31,870 | 66,125 | 28.4 | 35.0 | 141.2 |

## TABLE 3

### METEOROLOGICAL DATA (GOVERNMENT OBSERVATORY, COLABA), LATITUDE 18°-53′-36″ NORTH LONGITUDE 72°-48′-56″ EAST.

| Months. | Wind. | Temperature. | | | | | | | Mean Relative Humidity. | | | Rainfall. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Direction. | Mean Velocity in Miles per hour. | Mean Maximum Temperature. | Departure from Normal. | Highest in month. | Mean Minimum Temperature. | Departure from Normal. | Lowest in month. | hrs. 0830 % | hrs. 1730 % | Normal Rel. Humidity % | Total rainfall in the month (in inches) | Departure from Normal. | Highest fall in one day. Inches. | Highest fall in one day. Date. | Minimum fall in one day. Inches. | Minimum fall in one day. Date. | Number of rainy days. |
| 1952. | | | | | | | | | | | | | | | | | | |
| January ... | ... | 5 | 87.1 | +4.5 | 95.1 | 66.9 | +0.5 | 60.8 | 64 | 60 | 68 | 0.00 | −0.09 | ... | ... | ... | ... | ... |
| February ... | ... | 6 | 86.8 | +4.0 | 99.0 | 69.2 | +2.2 | 65.1 | 70 | 62 | 68 | 0.00 | −0.06 | ... | ... | ... | ... | ... |
| March ... | ... | 7 | 88.5 | +2.8 | 100.1 | 71.6 | 0.0 | 69.1 | 68 | 61 | 72 | 0.00 | −0.04 | ... | ... | ... | ... | ... |
| April ... | ... | 7 | 91.0 | +2.6 | 100.4 | 77.6 | +1.8 | 74.0 | 73 | 65 | 74 | 0.00 | −0.04 | ... | ... | ... | ... | ... |
| May ... | ... | 7 | 92.7 | +2.0 | 94.4 | 81.5 | +2.3 | 77.9 | 71 | 66 | 74 | 0.00 | −0.68 | ... | ... | ... | ... | ... |
| June ... | ... | 9 | 89.3 | +1.1 | 94.7 | 78.8 | +0.5 | 74.8 | 81 | 77 | 81 | 23.69 | +4.01 | 6.17 | 21 | 0.01 | 2 and 17 | 23 |
| July ... | ... | 12 | 86.2 | +1.0 | 90.7 | 78.2 | +1.9 | 74.7 | 84 | 80 | 85 | 27.51 | +3.56 | 5.14 | 18 | 0.03 | 8 | 26 |
| August ... | ... | 11 | 85.1 | +0.3 | 87.2 | 76.6 | +0.9 | 74.6 | 84 | 82 | 84 | 6.82 | −6.39 | 1.08 | 20 | 0.01 | 26 | 30 |
| September ... | ... | 5 | 86.6 | +1.6 | 89.2 | 75.9 | +0.6 | 73.4 | 79 | 71 | 83 | 3.05 | −7.24 | 1.08 | 9 | 0.01 | 8 and 25 | 14 |
| October ... | ... | 5 | 89.0 | +0.4 | 91.6 | 76.0 | +0.2 | 70.1 | 79 | 76 | 78 | 2.26 | +0.20 | 0.93 | 7 | 0.07 | 6 | 4 |
| November ... | ... | 5 | 88.1 | −0.9 | 93.0 | 69.4 | −2.6 | 66.0 | 74 | 69 | 70 | 0.00 | −0.39 | ... | ... | ... | ... | ... |
| December ... | ... | 5 | 88.5 | +2.1 | 95.3 | 70.1 | +1.6 | 66.6 | 73 | 68 | 68 | 0.00 | 0.00 | ... | ... | ... | ... | ... |

TABLE 4

LENGTH OF ROADS AND FOOT-PATHS ATTENDED TO

| | Roads. | Foot-paths. |
|---|---|---|
| Miles ... ... | 270.717 | 280.43 |
| Square Yards ... ... | 52,08,918 | 18,22,205 |

TABLE 5

ROAD-SCRAPING, SWEEPING, WASHING AND GULLY FLUSHING DONE

| Area of roads scraped (in square yards). | Road scrapings removed (in tons). | Area of roads and foot paths in square yards. | | Area of gullies in square yards flushed. |
|---|---|---|---|---|
| | | Swept. | Washed. | |
| 44, 29, 846 | 22, 040 | 276, 55, 41, 981 | 42, 19, 469 | 16, 34, 676 |

TABLE 6

Refuse collection and removal work

| Population. | Area in Acres. | Tonnage of Refuse collected and removed | | | Total. |
|---|---|---|---|---|---|
| | | House-hold. | Trade. | Market. | |
| 23,25,945 | 16,76,15,762 | 55,82,78 | 2,18,918 | 4,560 | 7,81,756 |

TABLE 7

Disposal of refuse

| By Rail. | | | By Reclamation. | | | By burning | By Manure Pits |
|---|---|---|---|---|---|---|---|
| House-hold. | Market. | Trade. | House-hold. | Market. | Trade. | Trade. | Trade. |
| 4,09,829 | 4,560 | 56,347 | 1,48,449 | ... | 1,62,571 | 240 | 14,607 |

| House-hold. | Market. | Total Trade. | Grand Total. |
|---|---|---|---|
| 5,58,278 | 4,560 | 2,33,765 | 7,96,603 |

TABLE 8

Public receptacles and refuse collection yards for temporary deposit of refuse :—

| Street bins. | Dust bin carts on stands. | Refuse sheds. | Refuse yards. | Waste paper bins. | Sputum bins. |
|---|---|---|---|---|---|
| 10 | 26 | 365 | | 378 | 28 |

TABLE 9

Work done by the Halalkhores

| Halalkhores and vacant ground cleaners employed. | No. of Cesspool cart drivers. | Privy seats. | Cess-pools. | Septic tanks. | Soakage pits. | Quantity of excrementitious matter removed from. | |
|---|---|---|---|---|---|---|---|
| | | | | | | Privies. (Baskets.) | Cesspools. (Gallons.) |
| 817 | 48 | 2,318 | 543 | 74 | 18 | 4,38,674 | 61,88,795 |

## TABLE 10

Basket privies in the City by wards

| Ward. | Basket Privies. | |
|---|---|---|
| | Blocks. | Seats. |
| D .. | 1 | 2 |
| E (East) .. | 2 | 6 |
| F .. | 345 | 1,189 |
| G (South). .. | 11 | 57 |
| G (Central). .. | 94 | 312 |
| G (North) .. | 182 | 752 |
| Total .. | 635 | 2,318 |

## TABLE 11

Public Sanitary Conveniences

| | Latrines | Urinals | Bathing places | Combined latrines and urinals | Combined latrines urinals and bathing places | Basket privies. | Total. |
|---|---|---|---|---|---|---|---|
| No. of structures | 43 | 113 | 3 | 66 | 19 | 18 | 262 |
| No. of seats | 251 | .. | .. | 283 | 73 | .. | 607 |
| No. of stalls | .. | 367 | .. | 228 | 61 | .. | 656 |
| No. of bathing cubicles | .. | .. | 23 | .. | 70 | .. | 93 |
| No. of privy seats | .. | .. | .. | .. | .. | 84 | 84 |

## TABLE 12

Rat Destruction Work

| Baits prepared of Bajri Flour and Barium carbonate. | Traps laid | Cyanogas pumps. | Rats killed. | Rats caught alive | Total | Rats examined | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | | | | None found Plague infected |
| 51,73,847 | 6,04,818 | 63 | 5,742 | 11,19,458 | 11,25,200 | 5,802 | 3 |

## TABLE 13

Destruction of Dogs

| | |
|---|---|
| 1. Death of Licensed dogs .. .. .. .. .. .. | 760 |
| 2. Dogs sent out of Bombay .. .. .. .. .. .. | 556 |
| 3. Untraceable dogs due to change of ownership or places vacated .. .. .. | 171 |
| 4. Lost by owners and could not be traced .. .. .. .. .. | 285 |
| 5. Dogs offered for destruction .. .. .. .. .. .. | 79 |
| 6. Dogs sent to Panjrapole .. .. .. .. .. .. | 132 |
| Total .. | 1,983 |

## TABLE 14

Work done by dog licensing staff

| | |
|---|---|
| 1. No. of Notices served .. .. .. .. .. .. | 2,036 |
| 2. No. of Licenses issued .. .. .. .. .. .. | 7,893 |
| 3. No. of Dogs caught .. .. .. .. .. .. | 11,114 |
| 4. No. of Dogs released by the owners .. .. .. .. .. | 730 |
| 5. No. of Dogs sold ... .. ... ... ... .. | 1,633 |
| 6. No. of dogs destroyed ... ... ... ... ... ... | 8,533 |
| 7. No. of dogs died or escaped ... ... ... ... ... ... | 160 |
| 8. No. of dogs sent to Hospitals for experiment ... ... ... ... | 81 |
| 9. No. of doges detained in the kennel chamber ... ... ... .. | 23 |

## TABLE 15

Dog Licensing Work—Income from 1-4-52 to 31-3-1953.

| | | Rs. | a. | p. |
|---|---|---|---|---|
| 1. | Tax on dogs .. .. .. .. .. .. .. | 39,625 | 0 | 0 |
| 2. | Cost of number tickets replaced .. .. .. .. .. | 102 | 0 | 0 |
| 3. | Sale of dogs .. .. .. .. .. .. .. | 2,458 | 8 | 0 |
| 4. | Feeding charges .. .. .. .. .. .. | 2,040 | 12 | 0 |
| 5. | Miscellaneous .. .. .. .. .. .. | 357 | 0 | 0 |
| 6. | Immunization of dogs ... ... ... ... ... ... | 72 | 0 | 0 |
| | Total .. | 44,655 | 4 | 0 |

## TABLE 16

THE WORK DONE BY AMBULANCES AND HEARSES.

| | | Rs. | a. | p. |
|---|---|---|---|---|
| 1. | No. of Christian pauper dead bodies removed .. .. .. | 392 | | |
| 2. | No. of non-Christian dead bodies removed .. .. .. .. | 338 | | |
| 3. | No. of patients removed to Infectious Diseases Hospitals. .. .. | 10 085 | | |
| 4. | No. of dead bodies removed on payment ... ... ... ... | 3,547 | | |
| 5. | Amount recovered by services rendered .. .. .. .. | Rs. 23,175 | 12 | 0 |

## TABLE 17

THE WORK DONE BY VETERINARY SECTION AT THE ANIMAL HOSPITAL.

| | | Bullock Hospital. | Infectious Diseases Hospital. |
|---|---|---|---|
| 1. | Cases treated ... ... ... ... | 204 | ... |
| 2. | Cases discharged ... ... ... ... | 161 | ... |
| 3. | Animals died ... ... ... ... | 25 | ... |
| 4. | Total charges recovered ... ... ... ... | ... | ... |

## TABLE 18

INCOME DERIVED FROM THE SALE OF RIGHTS AND BY SPECIAL HALALKHORE AND CONSERVANCY SERVICE.

| | | Amount Rs. | a. | p. |
|---|---|---|---|---|
| 1. | Special Halalkhore service .. .. .. .. .. .. | 8 880 | 8 | 0 |
| 2. | Rendering conservancy services .. .. .. .. .. | 37 728 | 5 | 0 |
| 3. | Salvage Operations .. .. .. .. .. .. | 156 | 0 | 0 |
| 4. | Sale of Health Department Rights .. .. .. .. .. | 7 872 | 0 | 0 |
| 5. | Removal of carcasses .. .. .. .. .. .. | 6 718 | 0 | 0 |
| 6. | Skinning contract .. .. .. .. .. .. | 7,787 | 0 | 0 |
| | Total .. | 69,141 | 13 | 0 |

## TABLE 19

CO-OPERATIVE CREDIT SOCIETIES CONDUCTED FOR THE CONSERVANCY LABOUR STAFF

| Serial No. | Name of the Society. | No. of members | Share Capital subscribed. | Amount of Loan granted. | Amount of Loan recovered. | Amount of Reserve Fund. | Class. |
|---|---|---|---|---|---|---|---|
| | | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| 1 | A Ward Marathi Bigaris Co-operative Credit Society, Ltd. | 543 | 86,882 15 0 | 1,84,657 0 0 | 1,59,932 15 0 | 13,468 12 9 | A |
| 2 | A Ward Gujarati Scavengers and Halalkhore Co-operative Credit Society, Ltd. | 227 | 40,306 0 0 | 7,580 0 0 | 67,793 5 0 | 4,791 13 8 | A |
| 3 | B Ward Conservancy employees' Co-operative Credit Society Ltd. | 828 | 1,31,140 9 0 | 1,82,487 9 0 | 1,66,425 10 0 | 3,178 12 4 | A |
| 4 | C Ward Gujrathi Scavengers and Halalkhore Co-operative Credit Society, Ltd. | 303 | 55,404 14 0 | 72,250 0 0 | 64,719 0 0 | 4,321 11 4 | B |
| 5 | C Ward Marathi Bigaris Co-operative Credit Society, Ltd. | 558 | 1,06,938 13 0 | 1,63,650 0 0 | 1,36,283 6 0 | 9,007 9 3 | A |
| 6 | D Ward Marathi Bigaris Co-operative Credit Society, Ltd. | 414 | 62,985 15 0 | 1,38,067 0 0 | 1,25,815 8 0 | 8,460 0 0 | A |
| 7 | D Ward Scavengers and Halalkhores Co-operative Credit Society, Ltd. | 429 | 74,606 15 0 | 1,41,010 0 0 | 1,29,590 0 0 | 9,297 8 0 | A |
| 8 | E East Conservancy Labour Employees' Co-operative Credit Society, Ltd. | 732 | 1,06,789 0 0 | 1,83,700 0 0 | 1,39,561 0 0 | 4,699 4 0 | A |
| 9 | E West do. ... | 474 | 58,107 0 0 | 1,12,065 0 0 | 96,295 0 0 | 3,781 0 0 | B |
| 10 | F Ward do. ... | 898 | 1,61,904 0 0 | 3,16,400 0 0 | 2,96,222 12 0 | 13,161 8 0 | B |
| 11 | G Ward South do. ... | 757 | 1,34,476 2 0 | 2,02,234 13 0 | 1,73,148 6 0 | 11,806 6 0 | B |
| 12 | G Ward North do. ... | 675 | 1,12,694 13 0 | 3,19,513 0 0 | 2,73,927 9 0 | 8,472 9 0 | A |

## TABLE 20

### Summary of Sanitary Inspections made and Sanitary Improvements secured by the Medical Inspectors and Medical Assistants in 1952.

| | No. of Inspections, etc., by | |
|---|---|---|
| | Medical Inspectors | Medical Assistants. |
| *A—Nature of Inspection or premises visited—* | | |
| 1. Dwelling Houses ... | 11,923 | 42,300 |
| 2. Milch Cattle Stables ... | 447 | 2,255 |
| 3. Other Stables ... | 1,328 | 3,492 |
| 4. Dairies and Milkshops ... | 4,225 | 4,174 |
| 5. Eating Houses ... | 7,954 | 18,136 |
| 6. Other premises where food is sold ... | 6,141 | 4,788 |
| 7. Aerated Water Works ... | 2,245 | 4,262 |
| 8. Other Workshops and Factories ... | 8,090 | 12,190 |
| 9. Accumulations of Refuse ... | 2,530 | 10,478 |
| 10. Building Works ... | 53 | 231 |
| 11. Drains and Fittings ... | 5,621 | 19,395 |
| 12. Other Inspections and Inquiries ... | 9,767 | 30,707 |
| 13. Markets | 935 | 1,724 |
| Total No. of Inspections ... | 61,259 | 1,54,132 |
| *B—Works, etc., completed—* | | |
| 1. Dwellings— | | |
| (a) Limewashed ... | 1,595 | 7,368 |
| (b) Water supply provided ... | ... | ... |
| (c) Overcrowding abated ... | 54 | 47 |
| (d) Insanitary dwellings evacuated ... | ... | ... |
| | 816 | 1,086 |
| 2. Stables— | | |
| (a) Paved and drained ... | 49 | 117 |
| (b) Cleaned and refuse removed ... | 266 | 750 |
| (c) Licence cancelled ... | 4 | 18 |
| 3. Eating Houses, Dairies, etc.— | | |
| (a) Regulations enforced ... | 1,950 | 2,870 |
| (b) Licences cancelled ... | 13 | 3 |
| 4. Factories and Workshops— | | |
| Limewashing, etc., carried out ... | 112 | 125 |
| 5. Drains, etc., repaired ... | 2,763 | 8,138 |
| 6. Privies abolished ... | 83 | 84 |
| 7. New W. Cs. provided ... | 127 | 131 |
| 8. Accumulation of Refuse removed ... | 2,045 | 5,331 |
| 9. Other Works completed ... | 2,207 | 6,102 |
| Total Sanitary Work completed ... | 12,084 | 32,170 |

TABLE 21

*Evacuation of Milch Cattles and Milch cattle stables*

| Ward. | No. of M. C. Stables on 1st January 1952. | | No. of Milch-Cattles on 1st January 1952. | | No. removed in 1952. | |
|---|---|---|---|---|---|---|
| | Licensed. | Un-licensed | Licensed. | Un-licensed | M. C. Stables. | Milch-Cattle. |
| A, B, C, D. | *Nil.* | | | | | |
| E ... | 2 | 5 | 902 | 779 | ... | ... |
| F ... | 1 | 1 | 228 | 138 | ... | ... |
| G ... | 7 | ... | 926 | ... | ... | ... |
| Total ... | 10 | 6 | 2056 | 917 | ... | ... |

TABLE 22

DETAILS OF WORK DONE BY THE MILK INSPECTORIAL STAFF.

| | |
|---|---|
| No. of hawkers importing milk by trains inspected ... ... ... ... | 7,739 |
| Do. found without license ... ... ... ... ... | 278 |
| Do. detected carrying milk in open cans without covers ... ... | 887 |
| Do. found with grass rings in milk-vessels ... ... ... ... | 1,236 |
| Total number of prosecutions instituted for hawking milk, for sale of milk without license and for breaches of the license regulations ... ... ... ... ... | 493 |

TABLE 23

DESTRUCTION OF UNWHOLESOME FOOD

| | |
|---|---|
| Fruits (Fresh) ... | 23,957 Nos. |
| Fruits (Dry) ... | 316 Lbs. |
| Tins of preserved Fruits ... | 442 Nos. |
| Potatoes ... | 373 Lbs. |
| Onions ... | 45 ,, |
| Vegetables ... | 191 ,, |
| Chillies ... | 2 ,, |
| Grains ... | 7 Seers. |
| Sugar ... | 6 Lbs. |
| Goor ... | 4 blocks and 12 Lbs. |
| Indian Sweetmeats ... | 5,670 Lbs. |
| Condensed Milk ... | 37 Tins. |
| Cheese ... | 810 Lbs. |
| Biscuits ... | 92 ,, |
| Fish (Fresh) ... | 10 ,, |
| Fish (Tinned) ... | 96 Tins. |
| Flesh (Beaf) | 235 Lbs. |
| Ham ... | 102 Tins. |
| Bacon ... | 109 ,, |
| Flesh (Tinned) ... | 110 ,, |
| Patent Food ... | 627 ,, |
| Pickles ... | 67 Lbs. |
| Other Prepared Food ... | 3,965 ,, |
| Jam ... | 4,007 Tins. |
| Fresh Milk ... | 5 Seers. |
| Mawa ... | 600 Lbs. |
| Unwholesome Milk ... | 12 Lbs. |

TABLE 24

THE DETAILS OF THE NUMBER OF NOTICES SERVED BY THE INSPECTORS AND THE NUMBER OF PROSECUTIONS INSTITUTED BY WAY OF ENFORCING THE SANITARY PROVISIONS OF THE MUNICIPAL ACT DURING THE YEAR.

| | |
|---|---|
| Total number of notices issued ... | 27,697 |
| Number complied with ... | 14,988 |
| Number not complied with ... | 10,196 |
| Number pending (disputed or not served) ... | 2,206 |
| Number cancelled ... | 307 |
| Number of Notices issued in 1951 ... | 23,268 |

## TABLE 25

COURT CASES

| 1 Sections under which prosecutions were instituted. | 2 Number of cases outstanding on 1st January 1952 | 3 Number of cases filed from 1-1-1952 to 31-12-1952 | 4 Total of columns 2 and 3 | 5 Number of cases disposed of including those of column No. 2 | 6 No. of cases outstanding on 1-1-1953 including those of column 2 |
|---|---|---|---|---|---|
| 191A ... | ... | 8 | 8 | 8 | ... |
| 248 ... | 2 | 16 | 18 | 12 | 6 |
| 248 (1) ... | 95 | 26 | 121 | 86 | 35 |
| 249 ... | 13 | 30 | 43 | 25 | 18 |
| 251 ... | 1 | ... | 1 | 1 | ... |
| 251B ... | 2 | 12 | 14 | 12 | 2 |
| 257 ... | 840 | 2,360 | 3,200 | 2,401 | 799 |
| 257, 375, 372 ... | 203 | 188 | 391 | 248 | 143 |
| 258 ... | 11 | 40 | 51 | 34 | 17 |
| 274 ... | 4 | 17 | 21 | 10 | 11 |
| 316 ... | 5 | 8 | 13 | 12 | 1 |
| 367, 368 ... | 407 | 452 | 859 | 437 | 422 |
| 372 ... | 1,511 | 2,502 | 4,013 | 2,458 | 1,555 |
| 375 ... | 452 | 1,672 | 2,124 | 1,530 | 594 |
| 375A ... | 76 | 228 | 304 | 198 | 106 |
| 377 ... | 24 | 12 | 36 | 8 | 28 |
| 377 (1) ... | 34 | 83 | 117 | 80 | 37 |
| 378 ... | ... | 22 | 22 | 22 | ... |
| 380 ... | 434 | 421 | 855 | 455 | 400 |
| 381 ... | 326 | 544 | 870 | 497 | 373 |
| 381A ... | 5 | 26 | 31 | 23 | 8 |
| 381 (ii) ... | 85 | 1,015 | 1,100 | 1,005 | 95 |
| 384 ... | 444 | 713 | 1,157 | 684 | 473 |
| 384 (1) ... | 9 | 161 | 170 | 111 | 59 |
| 384A ... | 6 | 23 | 29 | 26 | 3 |
| 390 ... | 358 | 1,175 | 1,533 | 1,229 | 304 |
| 394 .. | 1,020 | 3,265 | 4,285 | 2,901 | 1,334 |
| 412A ... | 358 | 411 | 769 | 376 | 393 |
| 417 ... | ... | 2 | 2 | 2 | ... |
| 424 ... | ... | 1 | 1 | 1 | ... |
| 461 ... | 2 | ... | 2 | 2 | ... |
| 472 ... | 8 | 96 | 104 | 52 | 52 |
| Total ... | 6,735 | 15,529 | 22,264 | 14,946 | 7,318 |
| Bombay Prevention of Adulteration Act | 3,944 | 3,411 | 7,355 | 4,547 | 2,808 |

| | | Rs. | As. | P. |
|---|---|---|---|---|
| Total amount of fees realised during the year in respect of | Sanitary action ... | 1,18,266 | 12 | 0 |
| | Cases under B.P.A. Act | 1,34,683 | 0 | 0 |
| | | 2,52,949 | 12 | 0 |

## TABLE 26

BIRTHS BY MONTHS

1951-1952

| Period. | Months. Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1951 ... | 5,661 | 4,548 | 4,584 | 4,881 | 4,975 | 5,123 | 5,305 | 5,719 | 6,022 | 6,406 | 6,497 | 5,958 | 65,679 |
| 1952 ... | 5,709 | 4,534 | 4,113 | 4,443 | 4,642 | 4,776 | 4,896 | 5,310 | 7,076 | 7,316 | 6,991 | 6,289 | 66,125 |

## TABLE 27

## STATEMENT OF BIRTHS BY SECTIONS AND MONTHS FOR THE YEAR 1952.

| Name of Section. | Months. | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | January. | February | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | |
| Upper Colaba ... | 50 | 42 | 46 | 54 | 35 | 29 | 43 | 27 | 37 | 44 | 25 | 43 | 475 |
| Middle and Lower Colaba. ... | 97 | 86 | 69 | 74 | 88 | 79 | 93 | 104 | 112 | 120 | 146 | 127 | 1,195 |
| Fort, Southern ... | 28 | 26 | 25 | 19 | 26 | 22 | 25 | 20 | 28 | 23 | 29 | 28 | 299 |
| Fort, Northern ... | 89 | 77 | 70 | 71 | 85 | 73 | 69 | 77 | 124 | 150 | 125 | 106 | 1,116 |
| Esplanade ... | 88 | 75 | 57 | 76 | 81 | 75 | 81 | 73 | 119 | 120 | 110 | 121 | 1,076 |
| Mandvi ... | 125 | 88 | 88 | 93 | 92 | 90 | 104 | 115 | 129 | 124 | 110 | 95 | 1,253 |
| Chakla ... | 68 | 64 | 73 | 60 | 73 | 75 | 71 | 72 | 61 | 73 | 82 | 72 | 844 |
| Umarkhadi ... | 189 | 142 | 125 | 148 | 172 | 160 | 170 | 171 | 213 | 234 | 209 | 143 | 2,076 |
| Dongri ... | 111 | 83 | 96 | 89 | 100 | 104 | 89 | 106 | 141 | 146 | 112 | 124 | 1,301 |
| Khara Talao ... | 61 | 74 | 57 | 77 | 88 | 84 | 79 | 88 | 126 | 100 | 101 | 80 | 1,015 |
| Kumbharwada ... | 102 | 94 | 88 | 88 | 104 | 109 | 94 | 104 | 140 | 153 | 146 | 115 | 1,337 |
| Bhuleshwar ... | 158 | 121 | 108 | 128 | 119 | 125 | 128 | 153 | 157 | 184 | 184 | 191 | 1,756 |
| Market ... | 114 | 78 | 37 | 32 | 113 | 156 | 120 | 76 | 119 | 133 | 139 | 140 | 1,257 |
| Dhobi Talao ... | 160 | 127 | 122 | 123 | 130 | 168 | 174 | 154 | 187 | 235 | 184 | 190 | 1,954 |
| Fanaswadi ... | 116 | 97 | 96 | 103 | 122 | 110 | 117 | 96 | 167 | 164 | 148 | 154 | 1,490 |
| Khetwadi ... | 168 | 113 | 128 | 111 | 161 | 115 | 148 | 190 | 228 | 226 | 195 | 197 | 1,980 |
| Tardeo ... | 127 | 102 | 109 | 104 | 100 | 102 | 124 | 122 | 151 | 173 | 159 | 123 | 1,496 |
| Girgaum ... | 176 | 106 | 131 | 103 | 160 | 158 | 121 | 117 | 190 | 180 | 183 | 198 | 1,823 |
| Chowpati ... | 73 | 56 | 60 | 48 | 70 | 70 | 47 | 74 | 82 | 105 | 91 | 105 | 881 |
| Walkeshwar ... | 100 | 70 | 68 | 51 | 75 | 61 | 62 | 64 | 101 | 89 | 80 | 102 | 923 |
| Mahalaxmi ... | 173 | 146 | 135 | 150 | 169 | 160 | 173 | 173 | 235 | 246 | 234 | 216 | 2,210 |
| Mazgaon ... | 151 | 134 | 147 | 148 | 141 | 125 | 177 | 192 | 221 | 206 | 196 | 189 | 2,027 |
| Tarwadi ... | 117 | 100 | 88 | 101 | 99 | 93 | 83 | 111 | 160 | 171 | 173 | 172 | 1,473 |
| First Nagpada ... | 37 | 31 | 41 | 48 | 39 | 33 | 50 | 48 | 62 | 79 | 50 | 50 | 568 |
| Second Nagpada ... | 116 | 78 | 103 | 84 | 112 | 95 | 125 | 112 | 163 | 147 | 148 | 125 | 1,408 |
| Kamathipura ... | 116 | 79 | 88 | 92 | 102 | 109 | 112 | 169 | 167 | 151 | 138 | 124 | 1,447 |
| Byculla ... | 375 | 313 | 288 | 308 | 292 | 309 | 253 | 347 | 426 | 371 | 471 | 351 | 4,104 |
| Parel ... | 384 | 314 | 277 | 284 | 185 | 220 | 259 | 238 | 474 | 453 | 361 | 356 | 3,805 |
| Sewri ... | 132 | 133 | 113 | 105 | 97 | 125 | 137 | 86 | 245 | 194 | 146 | 116 | 1,629 |
| Naigaum ... | 214 | 143 | 143 | 174 | 153 | 159 | 242 | 187 | 277 | 287 | 265 | 281 | 2,525 |
| Matunga ... | 197 | 33 | 144 | 135 | 149 | 148 | 158 | 146 | 191 | 215 | 137 | 174 | 1,827 |
| Sion ... | 197 | 146 | 109 | 115 | 96 | 178 | 147 | 194 | 290 | 282 | 276 | 240 | 2,270 |
| Dadar ... | 340 | 414 | 156 | 257 | 298 | 265 | 302 | 342 | 552 | 413 | 416 | 381 | 4,136 |
| Mahim ... | 202 | 183 | 142 | 201 | 163 | 161 | 141 | 203 | 175 | 249 | 351 | 262 | 2,433 |
| Parbhadevi ... | 274 | 229 | 193 | 221 | 173 | 213 | 195 | 242 | 284 | 328 | 392 | 247 | 2,991 |
| Worli ... | 254 | 175 | 134 | 211 | 252 | 237 | 208 | 297 | 324 | 421 | 385 | 310 | 3,208 |
| Chinchpokli ... | 197 | 136 | 149 | 141 | 126 | 164 | 166 | 249 | 214 | 319 | 294 | 238 | 2,393 |
| Love Grove ... | 33 | 26 | 10 | 16 | 2 | 17 | 4 | 1 | 4 | 8 | ... | 3 | 124 |
| Harbour, Docks, etc. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 5,709 | 4,534 | 4,113 | 4,443 | 4,642 | 4,776 | 4,896 | 5,340 | 7,076 | 7,316 | 6,991 | 6,289 | 66,125 |

## TABLE 27A

TABLE SHOWING THE NUMBER OF BIRTHS BY MONTHS DURING THE YEARS 1948, 1949 1950, 1951, 1952 AND THE AVERAGE FOR THE YEARS (1947-1951)

| Period. | Jan. | Feb | Mar. | April. | May. | June. | July. | Aug | Sept. | Oct. | Nov. | Dec. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1947—51... | 4,206 | 3,333 | 3,581 | 3,428 | 3,866 | 3,675 | 3,962 | 4,244 | 4,360 | 5,302 | 5,364 | 5,512 | 50,833 |
| 1948 ... | 4,945 | 3,832 | 3,147 | 3,629 | 3,531 | 3,810 | 4,403 | 4,857 | 5,298 | 5,241 | 5,475 | 6,461 | 54,629 |
| 1949 ... | 5,301 | 4 155 | 3,471 | 3,834 | 3,891 | 4,155 | 4,664 | 4,648 | 5,281 | 5,673 | 6,025 | 6,483 | 58,081 |
| 1950 ... | 5,070 | 4,297 | 4,175 | 4,265 | 4,388 | 4,450 | 4,768 | 4,965 | 5 272 | 6.146 | 6,187 | 6,614 | 6,0597 |
| 1951 ... | 5,661 | 4,548 | 4,584 | 4,881 | 4,975 | 5,123 | 5,305 | 5,719 | 6,022 | 6,406 | 6,497 | 5,958 | 65,679 |
| 1952 | 5,709 | 4,534 | 4 113 | 4,443 | 4,642 | 4,776 | 4,896 | 5,340 | 7,076 | 7,316 | 6,991 | 6,289 | 66,125 |

## TABLE 28

### PERCENTAGE OF THE TOTAL MORTALITY BY AGE-PERIODS

| Age Period. | 1950 | | 1951 | | 1952 | | | |
|---|---|---|---|---|---|---|---|---|
| | Deaths. | Percentage of total mortality. | Deaths. | Percentage of total mortality. | Male. (a) | Female. (b) | Persons (a)+(b) | Percentage of total mortality |
| Under 1 year ... | 9,191 | 26.8 | 9,746 | 28.8 | 4,981 | 4,354 | 9,335 | 27.2 |
| 1 to 5 years ... | 5,744 | 16.8 | 5,646 | 16.7 | 2,849 | 3,194 | 6,043 | 17.6 |
| 5 to 10 years ... | 1,269 | 3.7 | 1,221 | 3.6 | 545 | 549 | 1,094 | 3.2 |
| 10 to 15 years ... | 614 | 1.8 | 533 | 1.6 | 300 | 253 | 553 | 1.6 |
| 15 to 20 years ... | 698 | 2.6 | 824 | 2.4 | 399 | 418 | 817 | 2.4 |
| 20 to 30 years ... | 3,171 | 9.2 | 3,008 | 8.9 | 1,526 | 1,346 | 2,872 | 8.4 |
| 30 to 40 years ... | 2,753 | 8.0 | 2,602 | 7.7 | 1,518 | 997 | 2,515 | 7.3 |
| 40 to 50 years ... | 2,412 | 7.0 | 2,417 | 7.1 | 1,796 | 782 | 2,578 | 7.5 |
| 50 to 60 years ... | 2,604 | 7.6 | 2,618 | 7.7 | 2,081 | 811 | 2,892 | 8.4 |
| 60 years and above ... | 5,629 | 16.5 | 5,226 | 15.5 | 3,190 | 2,448 | 5,638 | 16.4 |
| Age Unspecified ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 34,285 | 100.0 | 33,841 | 100.0 | 19,185 | 15,152 | 34,337 | 100.0 |

## TABLE 29

### DEATHS AND DEATH RATES FROM EPIDEMIC DISEASES AND CERTAIN OTHER PRINCIPAL CAUSES IN 1951, 1952, ETC.

| Causes of Death. | Average of years (1942-51) | | 1951 | | 1952 | |
|---|---|---|---|---|---|---|
| | Number of deaths. | Death-rate per 1,000 of population. | Number of deaths. | Death-rate per 1,000 of population. | Number of deaths. | Death-rate per 1,000 of population. |
| *Principal Epidemic Diseases* | | | | | | |
| Small-pox ... | 488 | 0.3 | 314 | 0.1 | 120 | 0.0 |
| Measles ... | 252 | 0.2 | 96 | 0.0 | 63 | 0.0 |
| Plague ... | 3 | 0.0 | ... | 0.0 | 2 | 0.0 |
| Enteric Fever ... | 605 | 0.4 | 262 | 0.1 | 428 | 0.2 |
| Malarial Fever ... | 105 | 0.1 | 59 | 0.0 | 42 | 0.0 |
| Ague and Remittent Fever ... | 587 | 0.4 | 36 | 0.0 | 18 | 0.0 |
| Influenza ... | 20 | 0.0 | 6 | 0.0 | 2 | 0.0 |
| Cholera ... | 12 | 0.0 | 1 | 0.0 | 6 | 0.0 |
| Dysentery ... | 342 | 0.2 | 166 | 0.1 | 228 | 0.1 |
| Diphtheria ... | 82 | 0.0 | 90 | 0.0 | 101 | 0.0 |
| *Other Principal Diseases.* | | | | | | |
| Tuberculosis ... | 2,091 | 1.3 | 2,525 | 1.1 | 2,595 | 1.1 |
| Cerebro-Spinal Fever ... | 37 | 0.0 | 9 | 0.0 | 9 | 0.0 |
| Diseases of the Nervous System ... | 1,066 | 0.7 | 874 | 0.4 | 935 | 0.4 |
| Diseases of the Respiratory System ... | 10,925 | 6.9 | 8,784 | 3.8 | 8,034 | 3.5 |
| Diarrhoea and Enteritis ... | 1,146 | 0.7 | 990 | 0.4 | 1,117 | 0.5 |
| Puerperal State ... | 130 | 0.1 | 89 | 0.0 | 88 | 0.0 |
| Congenital Debility and Diseases of early Infancy. | 4,687 | 3.0 | 5,490 | 2.4 | 55,50 | 2.2 |
| Old Age ... | 3,224 | 2.0 | 2,849 | 1.2 | 2,996 | 1.3 |
| Leprosy ... | 70 | 0.0 | 76 | 0.0 | 66 | 0.0 |
| Violence ... | 1,379 | 0.9 | 1,387 | 0.6 | 1,456 | 0.6 |
| Other Causes ... | 9,364 | 6.1 | 9,738 | 4.3 | 10,981 | 4.9 |
| Total ... | 36,615 | 23.3 | 33,841 | 14.5 | 34,337 | 14.8 |

## TABLE 30

### CERTIFICATION OF CAUSES OF DEATHS

| Year. | Total deaths. | Verified by District Registrars. | Number of Certificates of the Causes of Deaths received from | | | | | | Percentage of Total Certificates received to the Total Mortality. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Medical Officers of Hospitals. | Private Medical Practi-tioners. | Hakims and Vaidyas. | Commis-sioner of Police. | Coroner of Bombay. | Total | |
| 1947 ... | 37,619 | 23,504 | 7,371 | 4,022 | 7 | 410 | 2,305 | 14,115 | 37.5 |
| 1948 ... | 37,765 | 22,565 | 7,679 | 5,122 | 33 | 520 | 1,846 | 15,200 | 40.2 |
| 1949 ... | 39,935 | 22,585 | 9,057 | 5,962 | 94 | 525 | 1,712 | 17,350 | 43.4 |
| 1950 ... | 34,285 | 17,903 | 9,500 | 4,711 | 102 | 365 | 1,704 | 16,382 | 47.8 |
| 1951 ... | 33,841 | 17,318 | 9,946 | 4,135 | 119 | 432 | 1,891 | 16,523 | 48.8 |
| 1952 ... | 34,337 | 17,505 | 9,009 | 4,964 | 93 | 420 | 2,346 | 16,832 | 39.0 |

TABLE 31

# TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952.

| Classification No. Short List. | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | March | April | May | June | July | August | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **I.—Infective and Parasitic Diseases.** | | | | | | | | | | | | | |
| | | (1-26) *Diseases due to bacteria*— | | | | | | | | | | | | | |
| 1 | 1 | Typhoid Fever | 26 | 13 | 32 | 37 | 84 | 52 | 40 | 28 | 34 | 35 | 23 | 22 | 426 |
| 1 | 2 | Para-typhoid Fever | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | 2 |
| B | 3 | Plague | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 2 |
| H | 4 | Cholera | ... | ... | ... | ... | ... | 3 | 1 | ... | ... | 1 | 1 | ... | 6 |
| 36 | 5 | Undulant Fever | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 2 | 6 | Cerebro-spinal Meningitis | 1 | ... | 1 | 1 | 3 | ... | 1 | ... | ... | 2 | ... | ... | 9 |
| 36 | 7 | Malignant Prostate and Anthrax | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3 | 8 | Scarlet Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 | 9 | Whooping Cough | 2 | ... | 1 | ... | 2 | ... | 1 | 1 | ... | 1 | ... | ... | 8 |
| 5 | 10 | Diphtheria | 9 | 5 | 1 | 10 | 3 | 6 | 12 | 12 | 8 | 17 | 15 | 3 | 101 |
| 36 | 11 | Erysipelas | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 2 |
| 36 | 12 | Tetanus | 18 | 16 | 15 | 13 | 27 | 29 | 12 | 24 | 18 | 23 | 13 | 21 | 229 |
| | | (13-22) *Tuberculosis (all forms)*— | | | | | | | | | | | | | |
| 6 | 13 | Tuberculosis of the Respiratory System | 155 | 108 | 141 | 154 | 175 | 157 | 167 | 162 | 167 | 162 | 135 | 122 | 1,805 |
| | 14 | Tuberculosis of the Meninges and Central Nervous System | 40 | 35 | 39 | 51 | 60 | 36 | 46 | 43 | 33 | 53 | 52 | 50 | 538 |
| | 15 | Tuberculosis of the Intestines and Peritonium | 26 | 14 | 29 | 22 | 19 | 14 | 8 | 24 | 17 | 13 | 7 | 5 | 198 |
| | 16 | Tuberculosis of the Vertibral Column | 3 | ... | ... | ... | ... | ... | 3 | 1 | 5 | 1 | 1 | ... | 14 |
| | 17 | Tuberculosis of other bones and joints | ... | ... | ... | ... | 1 | ... | ... | ... | 2 | ... | 1 | 2 | 6 |
| 7 | 18 | Tuberculosis of the Skin and Subcutaneous Cellular Tissue | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 2 |
| | 19 | Tuberculosis of the Lymphatic System | ... | 1 | ... | 1 | ... | ... | ... | 1 | ... | ... | 1 | 1 | 5 |
| | 20 | Tuberculosis of the Genito Urinary System | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 2 |
| | 21 | Tuberculosis of other organs | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | 1 | 1 | ... | 4 |
| | 22 | Disseminated Tuberculosis | ... | 1 | ... | 2 | ... | 1 | 3 | ... | 2 | 2 | 6 | 4 | 21 |
| K | 23 | Leprosy | 10 | 3 | 6 | 6 | 5 | 4 | 3 | 9 | 7 | 3 | 5 | 5 | 66 |
| 36 | 24 | Purulent Infection and Septicaemia | 5 | 2 | 3 | 2 | 14 | 11 | 3 | 4 | 6 | 5 | 4 | 2 | 61 |
| 36 | 25 | Gonocccal Infection | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| 36 | 26 | Other Bacterial Diseases (Dysentry excepted) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Glanders | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Tularaemia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*c*) Other diseases included under 26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| J | 27 | Dysentery | 15 | 8 | 13 | 20 | 31 | 14 | 28 | 28 | 28 | 14 | 12 | 17 | 228 |
| D | 28(*a*) | Malaria | 1 | 3 | 6 | 4 | 7 | 3 | 2 | 2 | 4 | 3 | 7 | ... | 42 |
| E | 28(*b*) | Remittent Fever | 2 | 2 | 1 | 2 | 1 | 3 | 4 | 2 | ... | ... | ... | 1 | 18 |
| C | 29(*a*) | Kala Azar | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | 3 |
| 36 | 29(*b*) | Other diseases due to parasitic Protoza except Spriochaetes | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 8 | 30 | Syphilis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Locomotor Ataxia (Tablis dorsatis) | 1 | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 3 |
| | | (*b*) General Paralysis of the Insane | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| | | (*c*) Aneurysm of Aorta | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 5 | 4 | 24 |
| | | (*D*) Other forms of Syphilis | ... | ... | ... | ... | 1 | ... | 2 | ... | 1 | ... | ... | ... | 4 |
| | | (*a*) Congenital Syphilis | 1 | 1 | 1 | 1 | ... | 1 | ... | ... | 1 | ... | 1 | 1 | 8 |
| | | (*b. c. d.*) Other or Unspecified Syphilis | ... | ... | 1 | ... | ... | 1 | ... | 1 | ... | ... | 1 | ... | 4 |
| F | 31 | Relapsing Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | 32 | Other Diseases due to Spiro Chaetes | 1 | ... | ... | ... | ... | ... | ... | 3 | 1 | ... | ... | ... | 5 |
| 9 | 33 | Influenza | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) With respiratory complications | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Without respiratory complications | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 2 |
| A | 34 | Small-pox | 3 | 11 | 24 | 33 | 21 | 9 | 4 | 2 | 2 | ... | 1 | 10 | 120 |
| 10 | 35 | Measles | 7 | 6 | 12 | 16 | 11 | 4 | 2 | 2 | ... | 1 | 1 | 1 | 63 |
| 11 | 36 : 1 | Acute Poliomyelitis | 1 | 1 | 1 | 2 | 3 | 1 | 3 | 1 | 2 | 1 | ... | ... | 16 |
| | 36 : 2 | Acute Polioencephalitis | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | 1 | 4 |
| 12 | 37 | Acute Infectious Encephalitis (Lethargic or Epidemic) | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | 3 |
| 36 | 38 | Other Diseases due to Viruses— | ... | | | | | | | | | | | | |
| | | (*a*) Yellow Fever | ... | | | | | | | | | | | | |
| | | (*b*) Rabies (shown under 194 *a*) | ... | | | | | | | | | | | | |
| | | (*c*) Herpes Zoster | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*d*) German Measles | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*e*) Varicella (Chickenpox) | 2 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| | | (*f*) Other diseases included under 38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | 39 | Typhus | ... | | | | | | | | | | | | |
| 36 | 40 | Ankylostomiasis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | 41 | Hydatid Diseases | ... | | | | | | | | | | | | |
| | | (*a*) Hydatid disease of liver | ... | | | | | | | | | | | | |
| | | (*b*) Hydatid disease of other or Unspecified organs | ... | | | | | | | | | | | | |
| 36 | 42 | Other diseases due to Helminths | 2 | ... | 2 | 1 | 3 | 1 | 2 | 1 | 1 | ... | 2 | ... | 15 |
| 36 | 43 | Mycoses | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 2 |
| 36 | 44 | Other Infective or Parasitic Diseases— | | | | | | | | | | | | | |
| | | (*a*) Venereal diseases (other than syphilis and Gonorrhoea) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Pernicious lympho granulomatosis (Hodgkins diseases) | ... | ... | 1 | 1 | 1 | 2 | 1 | ... | ... | 1 | 2 | ... | 9 |
| | | (*c*) Mumps | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | 4 |
| | | (*d*) Other diseases included under 44 | ... | | | | | | | | | | | | |
| | | *II.—Cancer and other Tumours.* | | | | | | | | | | | | | |
| | 45* | Cancer of the Buccal Cavity and Pharynx | | | | | | | | | | | | | |
| | | (*a*) Lips Males | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | *2 |
| | | Females | ... | | | | | | | | | | | | |
| | | (*b*) Tongue Males | ... | ... | ... | 2 | 1 | 2 | 2 | ... | 3 | ... | 2 | 2 | 14 |
| 13 | | Females | ... | 1 | 1 | 1 | ... | ... | 2 | 1 | ... | ... | 1 | ... | 7 |
| | | (*c*) Other and Unspecified sites Males | ... | 1 | ... | 2 | 4 | 1 | 3 | 1 | 1 | ... | 3 | 3 | 19 |
| | | Females | ... | 1 | ... | 1 | ... | 1 | 3 | 2 | 3 | ... | ... | ... | 11 |
| | 46 | Cancer of the digestive organs and peritonium | | | | | | | | | | | | | |
| | | *(*a*) Oesophagus Males | 4 | 3 | 4 | 6 | 3 | 5 | 5 | 4 | 4 | 3 | 6 | 3 | 50 |
| | | Females | ... | 2 | ... | 3 | ... | ... | 1 | 2 | ... | 1 | 1 | 2 | 12 |
| 14 | | (*b*) Stomach and duodenum | ... | 8 | 2 | 4 | 7 | 7 | 2 | 5 | 2 | 5 | 5 | 7 | 54 |
| 16 | | (*c*) Intestines other than duodenum or rectum | 2 | 3 | 0 | 2 | 4 | 3 | ... | 2 | 3 | 1 | ... | ... | 20 |
| | | (*d*) Rectum | 2 | 2 | ... | 2 | 2 | 1 | ... | ... | 3 | ... | 4 | ... | 16 |

*Males are tabulated in short list No. 13 and females in No. 16 of detailed list Nos. 45, 46a.

## TABLE 31—(Contd.)

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952—(*Contd.*)

| Classification No. Short List. | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *II.—Cancer and other Tumours*—(Contd.) | | | | | | | | | | | | | |
| | | (*e*) Liver and biliary passages | 4 | 2 | 1 | 2 | ... | 1 | 1 | 2 | 2 | 8 | ... | 2 | 25 |
| | | (*f*) Pancreas | ... | 2 | 1 | ... | ... | ... | 2 | ... | 1 | 1 | 2 | 1 | 10 |
| 16 | | (*g*) Peritonium | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| | | (*h*) Other or Unspecified digestive organs | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 3 |
| 16 | 47 | Cancer of the respiratory system | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Larynx and trachar | 2 | 3 | 2 | 3 | 1 | 3 | 1 | 1 | 3 | 4 | 3 | 3 | 29 |
| | | (*b*) Bronchi, lung and pleural | 1 | 2 | 4 | 3 | 3 | 5 | 4 | 2 | 4 | 2 | 6 | ... | 36 |
| | | (*c*) Unspecified respiratory organs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 13 | 48 | Cancer of the Uterus | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Cervix Uteri | 4 | 2 | 3 | 2 | 4 | 1 | ... | ... | ... | 1 | 1 | 6 | 24 |
| | | (*b*) Other Unspecified sites | 2 | 1 | 1 | ... | 1 | 1 | 1 | ... | 2 | 2 | 1 | 3 | 15 |
| 16 | 49 | Cancer of other female genital organs | ... | 1 | 1 | ... | 3 | ... | 3 | 1 | 1 | 1 | ... | ... | 11 |
| 15 | 50 | Cancer of the breast | 1 | 1 | 5 | 2 | 4 | 1 | ... | 1 | 1 | 2 | 2 | ... | 20 |
| | 51 | Cancer of the male genital organs | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | 2 |
| | | (*a*) Scrotum | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (*b*) Prostate | 2 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 4 |
| | | (*c*) Other or unspecifiedmale genital organs | ... | ... | ... | ... | 1 | ... | ... | 1 | 1 | ... | ... | ... | 3 |
| | 52 | Cancer of the male and female urinary organs | 2 | ... | 1 | ... | 3 | 2 | 2 | 1 | 2 | 1 | ... | ... | 14 |
| | 53 | Cancer of the Skin (Scrotum excepted) | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | 1 | ... | ... | 4 |
| | 54 | Cancer of the brain and other parts of Nervous system | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Gloma (not specified as benign) | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| 16 | | (*c*) Other or Unspecified forms included under 54 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | 55 | Cancer of other or Unspecified organs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Bones | 2 | 2 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 5 |
| | | (*c*) Thyroid gland | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | 2 |
| | | (*d*) Others included under 55 | 9 | 9 | 7 | 11 | 12 | 9 | 12 | 10 | 7 | 13 | 9 | 9 | 117 |
| | | *Tumours:*— | | | | | | | | | | | | | |
| | 56 | Non-malignant Tumours | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Ovaries | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| | | (*c*) Other female genital organs | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (*d*) Brain and other parts of Nervous system | 1 | ... | ... | ... | 1 | ... | 2 | ... | 1 | 1 | ... | 1 | 7 |
| | | (*e*) Other and Unspecified organs | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | 1 | ... | 3 |
| | 57 | Tumours of Undetermined Nature | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*c*) Other female genital organs | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | 2 |
| | | (*d*) Brain and other parts of Nervous system | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*e*) Other and Unspecified organs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | | *III.—Rheumatism, Diseases of Nutrition and of the Endocrine Glands and other General Diseases.* | | | | | | | | | | | | | |
| | 58 | Rheumatic fever | 2 | ... | 1 | ... | 1 | 1 | 2 | 1 | 1 | ... | 1 | ... | 10 |
| | 59-1 | Rheumatoid Arthritis | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 59-2 | Other Chronic articular Rheumatism | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 59-3 | Other forms of Chronic Rheumatism | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 17 | 61 | Diabetes Mellitus | 9 | 4 | 1 | 4 | 10 | 10 | 6 | 5 | 4 | 12 | 4 | 2 | 71 |
| 36 | 62 | Diseases of the Pituitary gland | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (1) Hyperpituitarism | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | | (3) Other diseases included under 62 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 63 | Diseases of the Thyroid and parathyroid glands | | | | | | | | | | | | | |
| | | (*a*) Simple Goitre | 1 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 2 |
| | | (*b*) Exophthaemic Goitre | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (*c*) Myxoedema Cretinism | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*d*) Other diseases of thyroid glands | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| | | (*e*) Diseases of the parathyroid glands | | | | | | | | | | | | | |
| | 64 | Diseases of the Thymus | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 65 | Diseases of the adrenal glands (not specified as Tuberculosis) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 2 |
| | 66 | Other General diseases | | | | | | | | | | | | | |
| | | (*b*) Other Diseases included under 66 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | 2 |
| | | (1) Pink Disease | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (2) Idiopathic Steatorrhoea (Sprue etc.) | 1 | ... | 1 | 1 | ... | 1 | 1 | ... | 4 | 1 | 1 | ... | 11 |
| | | (*c*) Other diseases included under 66(*b*) | 1 | 2 | 3 | 3 | ... | ... | 1 | ... | 3 | 1 | 5 | 2 | 21 |
| | 67 | Scurvy | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 68 | Beri-Beri | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| | 69 | Pellagra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 70 | Rickets | 155 | 154 | 173 | 192 | 196 | 151 | 180 | 207 | 224 | 179 | 130 | 136 | 2077 |
| | 71 | Other Vitamin Deficiency Diseases | 1 | ... | ... | 1 | ... | ... | 1 | ... | ... | 1 | ... | 1 | 5 |
| | | *IV.—Diseases of the blood and blood forming Organs.* | | | | | | | | | | | | | |
| 36 | 72 | Haemorrhagic Conditions | | | | | | | | | | | | | |
| | | (*a*) Primary Purpura | 2 | ... | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | 4 |
| | | (*b*) Haemophatia | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 73 | Anaemia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Pernicious anaemia | 1 | 1 | 2 | 2 | 4 | ... | ... | 3 | ... | 3 | 2 | 3 | 21 |
| | | (*b. c. d.*) Other anaemias and chlorosis | 377 | 291 | 330 | 304 | 301 | 310 | 325 | 342 | 365 | 338 | 268 | 296 | 3847 |
| | 74(*a*) | Leukaemia | 2 | 1 | 3 | 3 | ... | 2 | 1 | 2 | 3 | 2 | 2 | 4 | 25 |
| | 74(*b*) | Aleukaemia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| | 75 | Diseases of the Spleen | ... | ... | 1 | 1 | ... | ... | 1 | 2 | ... | 2 | 1 | ... | 7 |
| | 76 | Other diseases of the Blood and Blood forming organs | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | *V.—Chronic Poisoning and Intoxication.* | | | | | | | | | | | | | |
| | 77 | Alchonism (Acute or chronic) | | | | | | | | | | | | | |
| | | (*b*) Chronic Alcholism | | | | | | | | | | | | | |
| | | (*c*) Unspecified Alcholism | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| | 78 | Lead Poisoning | | | | | | | | | | | | | |
| | | (*a*) Specified as occupational | 1 | 1 | ... | 2 | 1 | 1 | 2 | ... | 1 | ... | ... | 1 | 10 |
| | | (*b*) Not specified as occupational | | | | | | | | | | | | | |

## TABLE 31—(Contd.)

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952—(*Contd.*)

| Classification No. Short List. | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | Mar. | April | May | June. | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *V. Chronic Poisoning and Intoxication*—contd. | | | | | | | | | | | | | |
| | 79 | Chronic poisoning by other mineral and organic substances ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Poisoning by narcotic and Soporific drug | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | | (*c*) Other non-occupational chronic poisoning ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*d*) Unspecified poisoning ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| | | *VI.—Diseases of the nervous system and sense organs.* | | | | | | | | | | | | | |
| | 80 | Encephalitis (non-epidemic)— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Intra Cranial abscess ... | 1 | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 3 |
| | | (*b*) Other diseases included under 80 ... | 7 | 5 | 6 | 15 | 16 | 16 | 2 | 9 | 11 | 15 | 9 | 7 | 118 |
| | 81 | Meningitis (non-menigococcal) ... | 14 | 13 | 16 | 18 | 13 | 15 | 17 | 15 | 5 | 11 | 7 | 10 | 154 |
| | 82 | Diseases of Medulla and Spinal cord ... | ... | 1 | 1 | 1 | ... | ... | 1 | ... | 2 | 2 | 1 | ... | 9 |
| 18 | 83 | Intracranial Lesions of Vascular origin ... | ... | ... | 1 | ... | 6 | 2 | ... | ... | ... | ... | ... | ... | 9 |
| | | (*a*) Cerebral Haemorrhage ... | 24 | 20 | 20 | 13 | 6 | 16 | 10 | 25 | 13 | 13 | 19 | 17 | 196 |
| | | (*b*) Cerebral Embolism and Thrombosis ... | ... | 4 | 5 | ... | 7 | 5 | 8 | 10 | ... | ... | ... | ... | 39 |
| | | (*c*) Softening of Brain ... | 2 | ... | ... | 7 | ... | ... | ... | ... | 4 | 6 | 4 | 7 | 30 |
| | | (*d*) Hemiplegia and other paralysis of unstated origin ... | 7 | 5 | 6 | 4 | 14 | 5 | 7 | 5 | 10 | 12 | 9 | 4 | 88 |
| | | (*e*) Other Intra-cranial effusions ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| | 84 | Mental Disorders and Deficiency ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Mental deficiency ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*d*) Other mental disorders included under 84 ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (3) Mania ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (7) Other or Unspecified conditions included under (84)*d* ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 85 | Epilepsy ... | 1 | ... | 8 | 1 | 4 | 4 | 3 | 6 | 5 | 1 | 3 | 2 | 38 |
| | 86 | Convulsions in children under 5 years of age | 22 | 13 | 18 | 9 | 14 | 18 | 19 | 26 | 13 | 32 | 19 | 26 | 229 |
| | 87 | Other Diseases of the Nervous System— | | | | | | | | | | | | | |
| 36 | | (*a*) Chorea ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*b*) Neuritis (non-Rheumatic) ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | 3 |
| | | (*c*) Paralysis agitans ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| | | (*d*) Desseminated Sclerosis ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (*e*) Other diseases included under 87 ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| | | (1) Convulsions of undetermined origin (age 5 and over) ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | | (2) Other diseases included under 87(*e*) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| | 88 | Diseases of the organs of Vision ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 89 | Diseases of the Ear and of the Mastoid Antrum— | | | | | | | | | | | | | |
| | | (*a*) Otitis and other diseases of the Ear ... | ... | ... | ... | 1 | 1 | ... | ... | 1 | ... | ... | 1 | ... | 4 |
| | | (*b*) Diseases of the Mastoid Antrum ... | 2 | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | 4 |
| | | *VII.—Diseases of the Circulatory System.* | | | | | | | | | | | | | |
| | 90 | Pericarditis ... | ... | 1 | ... | ... | 1 | 3 | 1 | 1 | ... | ... | 2 | ... | 9 |
| | 91 | Acute Endocarditis ... | ... | ... | ... | ... | 1 | 1 | 1 | 1 | 1 | 2 | ... | 2 | 9 |
| | 92abc | Chronic Affections of the valves and endocardium ... | 4 | 9 | 4 | 3 | 10 | 9 | 8 | 2 | 3 | 8 | 11 | 8 | 79 |
| | 93a | Acute Myocarditis ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | 93b | Chronic Myocarditis specified as Rheumatic ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| | 93c | (1) Cardio vascular degeneration ... | 1 | ... | ... | 1 | 2 | 1 | ... | ... | ... | ... | 1 | 1 | 7 |
| | | (2) Myocardial degeneration described as Fatty ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| | | (3) Other Myocardial degeneration ... | ... | ... | ... | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 3 | 16 |
| 19 | 93d | Myocarditis (not distinginished as acute or chronic) ... | ... | ... | 1 | ... | 2 | 1 | 1 | 1 | ... | ... | 1 | 3 | 10 |
| | 94 | Diseases of the Coronary Arteries, Angina Pectoris ... | 56 | 60 | 57 | 54 | 54 | 39 | 44 | 40 | 52 | 67 | 60 | 52 | 635 |
| | 95 | Other Diseases of the Heart— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Functional heart disease (without mention of organic lesion) ... | 1 | ... | 2 | ... | 1 | 4 | 1 | 1 | ... | 1 | 3 | 2 | 16 |
| | | (*b*) Heart Disease specified as Rheumatic but otherwise ill defined ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 2 |
| | | (*c*) Other diseases included under 95 ... | 3 | 6 | 2 | 6 | 9 | 3 | 4 | 2 | 3 | 3 | 1 | 5 | 47 |
| | 96 | Aneurysm (except of Heart and Aorta) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 97 | Arterio Sclerosis (excluding Coronary or Renal Sclerosis or Cerebral Haemorrhage) ... | ... | 5 | 1 | 1 | ... | ... | ... | 1 | ... | 2 | 1 | ... | 11 |
| | 98 | Gangrene ... | 2 | ... | 1 | 1 | ... | ... | ... | ... | 3 | ... | ... | 1 | 8 |
| | 99 | Other Diseases of the arteries ... | 1 | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 1 | ... | 4 |
| 20 | 100 | Diseases of the Veins— | | | | | | | | | | | | | |
| | | (*a*) Varices ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 2 |
| | | (*b*) Other diseases of the Veins ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 | 3 |
| | 101 | Diseases of the Lymphatic system ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 3 |
| | 102 | High Blood Pressure (Idiopathic) ... | 3 | 7 | 4 | 7 | 6 | 5 | 3 | 9 | 7 | 4 | 15 | 10 | 80 |
| | 103 | Other Diseases of the Circulatory system ... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ... | 2 | 1 | 2 | 2 | 14 |
| | | *VIII.—Diseases of the Respiratory System.* | | | | | | | | | | | | | |
| 23 | 104 | Diseases of the Nasal Fossae and Annexa ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | 5 |
| | 105 | Diseases of the Larynx ... | ... | ... | 1 | 1 | ... | 2 | 1 | ... | ... | ... | ... | ... | 16 |
| 21 | 106A | Acute Bronchitis ... | ... | 5 | 1 | 1 | 4 | 1 | ... | 3 | 1 | ... | ... | ... | 63 |
| | 106B | Chronic Bronchitis ... | 7 | 4 | 7 | 2 | 10 | 7 | 5 | 2 | 7 | 4 | 3 | 5 | 53 |
| | 106C | Bronchitis (not distinguished as acute or chronic) ... | 7 | 1 | 3 | 6 | 1 | 2 | 6 | 3 | 11 | 3 | 6 | 4 | 3,677 |
| 22 | 107 | Broncho Pneumonia ... | 278 | 297 | 403 | 395 | 375 | 298 | 321 | 317 | 301 | 256 | 221 | 215 | 82 |
| | 108 | Lobar Pneumonia ... | 11 | 7 | 9 | 9 | 5 | 10 | 6 | 1 | 5 | 10 | 4 | 5 | 3,213 |
| | 109 | Pneumonia (Unspecified) ... | 275 | 222 | 310 | 282 | 339 | 270 | 315 | 307 | 267 | 255 | 180 | 191 | |

TABLE 31—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952—(*Contd.*)

| Classification No. Short List. | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *VIII—Diseases of the Respiratory System—(Contd.)* | | | | | | | | | | | | | |
| | 110A | Empyema ... | 4 | 3 | 1 | 2 | ... | 3 | 1 | 5 | ... | ... | 3 | 2 | 24 |
| | 110B | Other or Unspecified forms of Pleurisy ... | 1 | 4 | 5 | 3 | 1 | 6 | 4 | 5 | 3 | 2 | 2 | 4 | 40 |
| | 111 | Congestion Oedema Haemorrhagic infection and Thrombosis of Lungs ... | 9 | 13 | 7 | 15 | 14 | 21 | 11 | 19 | 11 | 8 | 7 | 9 | 144 |
| | 112 | Asthma ... | 77 | 47 | 56 | 67 | 58 | 52 | 50 | 49 | 68 | 40 | 61 | 51 | 676 |
| | 113 | Pulmonary Emphysema ... | ... | 1 | 2 | 1 | 4 | ... | 1 | ... | ... | ... | ... | 2 | 11 |
| | 114A | Silicosis and other occupational Pneumoconioses ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 2 |
| 23 | 114B | Other occupational Respiratory Diseases... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| | 114C | Gangrene of Lung ... | 1 | ... | ... | 2 | ... | 1 | ... | ... | ... | ... | ... | ... | 4 |
| | 114D | Abscess of Lung ... | 1 | ... | 1 | ... | ... | 2 | ... | ... | 3 | 2 | ... | ... | 9 |
| | 114E | Other Diseases included under 114 not specified as occupational ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (1) Chronic intestitial Pneumonia not indicated as occupational ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (2) Other Diseases included under 114(E) ... | ... | 1 | ... | ... | 2 | ... | ... | 3 | ... | 2 | 2 | 1 | 11 |
| | | *IX.—Diseases of the Digestive System.* | | | | | | | | | | | | | |
| | 115a | Diseases of the teeth and gums ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | 115b | Septic sore throat— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (1) With mention of tonsillectomy ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | | (2) Others with mention of tonsils ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (3) Other Diseases included under 115 (b) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 27 | 115c | Other Diseases of the Pharynx and tonsils ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (1) With mention of tonsillectomy ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 |
| | | (2) Others with mention of tonsils ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (3) Other Diseases included under 115(c). | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | 115d | Other diseases included under 115 ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 116 | Diseases of the Oesophagus ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 1 | 3 |
| 24 | 117 | Ulcer of the stomach or duodenum ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Ulcer of the stomach ... | 2 | 2 | ... | ... | 1 | 3 | 2 | ... | 1 | ... | ... | ... | 11 |
| | | (*b*) Ulcer of the duodenum ... | ... | 2 | ... | ... | ... | 1 | 1 | ... | 4 | 3 | ... | 1 | 12 |
| 27 | 118 | Other diseases of the stomach ... | 5 | 3 | 3 | 1 | 3 | 1 | 5 | 5 | 1 | 4 | 3 | 5 | 39 |
| 25 | 119-120 | Enteritis and Diarrhoea ... | 65 | 60 | 95 | 87 | 104 | 84 | 113 | 149 | 126 | 86 | 82 | 66 | 1117 |
| 26 | 121 | Appendicitis ... | 1 | 1 | 1 | ... | 2 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 17 |
| | 122a | Hernia ... | 1 | 3 | 2 | 3 | 8 | 3 | ... | 1 | ... | 1 | 1 | 1 | 24 |
| | 122b | Intestinal Obstruction ... | ... | ... | 4 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | 6 |
| | | (1) Intussusception ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | 1 | ... | 4 |
| | | (2) Paralytic ileus without stated cause ... | 1 | 3 | 2 | 4 | 1 | 1 | ... | ... | 2 | 5 | 1 | 1 | 21 |
| | | (3) Other or Unspecified forms of Intestinal obstruction ... | ... | ... | ... | ... | 1 | 2 | 3 | 6 | 9 | 2 | 2 | 6 | 31 |
| | 123 | Other Diseases of the intestines ... | 2 | ... | 3 | 1 | 1 | ... | 2 | 4 | 1 | 3 | 4 | 1 | 22 |
| | 124 | Cirrhosis of Liver ... | 13 | 13 | 17 | 14 | 13 | 21 | 12 | 15 | 13 | 15 | 22 | 8 | 176 |
| 27 | 125A | Acute yellow atrophy (not associated with pregnancy) ... | 1 | ... | ... | ... | ... | 2 | ... | 1 | ... | 2 | ... | ... | 6 |
| | 125B | Other Diseases of the Liver ... | 20 | 14 | 20 | 12 | 13 | 14 | 16 | 17 | 18 | 17 | 18 | 9 | 188 |
| | 126 | Biliary Calculi ... | 1 | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | 1 | ... | 4 |
| | 127 | Other Diseases of the Gall Bladder and Bile Ducts ... | ... | ... | 3 | 1 | 1 | 1 | 1 | 2 | ... | ... | 2 | 1 | 12 |
| | 128 | Diseases of the Pancreas (other than diabetes) ... | ... | ... | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... | ... | 3 |
| | 129 | Peritonitis without stated cause ... | 3 | 9 | 4 | 9 | 13 | 6 | 3 | 6 | 10 | 6 | 10 | 12 | 91 |
| | | *X.—Diseases of the Urinary and Genital System. (Not Venereal or connected with Pregnancy or the Puerperium)* | | | | | | | | | | | | | |
| | 130 | Acute Nephritis ... | 2 | 2 | 3 | 4 | 2 | 1 | 2 | 5 | 1 | 3 | ... | 2 | 27 |
| 28 | 131 | Chronic Nephritis ... | 1 | 2 | 4 | ... | ... | 3 | 3 | 3 | 1 | 2 | 2 | ... | 21 |
| | 132 | Nephritis not stated to be Acute or Chronic... | 13 | 12 | 11 | 11 | 19 | 13 | 19 | 19 | 9 | 15 | 18 | 19 | 178 |
| | 133 | Other Diseases of the Kidney and Ureters ... | 8 | 1 | 2 | 1 | 6 | 2 | 1 | 4 | 3 | 1 | 1 | 3 | 33 |
| | 134 | Calculi of the Urinary Passages ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | 2 |
| | 135A | Cystitis ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| | 135B | Other Diseases of the Bladder ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| | 136A | Stricture of Urethra ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| 36 | 136B | Other Diseases of the Urethra, etc. ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | 2 |
| | 137 | Diseases of the Prostate ... | ... | ... | 2 | ... | ... | 2 | 1 | ... | ... | 4 | 1 | 1 | 11 |
| | 138 | Diseases of other male genital organs ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | 2 |
| | 139 | Diseases of female genital organs— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Diseases of the ovary, fallopian tube and Parametria ... | 1 | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | 1 | 4 |
| | | (*b*) Diseases of Uterus ... | 1 | ... | 1 | ... | 1 | ... | ... | 1 | ... | 2 | ... | ... | 6 |
| | | (*c*) Diseases of the breast ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*d*) Other Diseases of the female genital organs ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | ... | 3 |
| | | *XI.—Diseases of Pregnancy, Child-Birth and the Puerperal State.* | | | | | | | | | | | | | |
| 29 | 140 | Post-abortive Sepsis ... | 1 | ... | ... | 1 | ... | 1 | 1 | ... | ... | ... | ... | 1 | 5 |
| | 141 | Abortion without mention of septic conditions | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | 1 | 4 |
| | 142 | Ectopic Gestation ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| 30 | 143 | Haemorrhage of Pregnancy ... | 1 | ... | ... | ... | 2 | 1 | ... | ... | ... | 5 | ... | ... | 9 |
| | 144 | Toxaemia of Pregnancy ... | 1 | ... | 1 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | ... | 16 |
| | 145 | Other Diseases and Accidents of Pregnancy | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |

## TABLE 31—(Contd.)

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952—(*Contd.*)

| Classification No. Short List. | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *XI.—Diseases of Pregnancy, child-birth and the Puerperal State.*—Contd. | | | | | | | | | | | | | |
| | 146 | Haemorrhage of child birth and Puerperium | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Placenta Praevia (with child-birth) ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | | 3 |
| 30 | | (*b*) Premature separation of Placenta (with child birth). | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 2 |
| | | (*c*) Other Haemorrhages of child birth ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*d*) Other Haemorrhages after child birth | ... | ... | ... | 2 | ... | 2 | ... | ... | ... | 2 | 2 | 4 | 12 |
| 29 | 147 | Infection during child birth and the Puerperium ... | 1 | ... | 1 | ... | 1 | 2 | 2 | ... | 2 | 1 | 1 | 1 | 12 |
| | 148 | Puerperal Toxaemia— ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*a*) Puerperal eclampsia ... | ... | 1 | 1 | ... | ... | ... | ... | ... | 1 | ... | 2 | ... | 5 |
| | | (*b*) Puerperal Albuminuria and Nephritis | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (*c*) Acute yellow atrophy of liver (Post-Partum) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| 30 | 149 | Other accidents of child birth ... | 2 | 1 | 2 | 3 | ... | ... | ... | 1 | ... | 2 | 4 | 1 | 16 |
| | 150 | Other or Unspecified conditions of child birth and Puerperal state ... | | | | | | | | | | | | | |
| | | *XII.—Diseases of the Skin and Cellular Tissue* | | | | | | | | | | | | | |
| | 151 | Carbuncle, Boils ... | 1 | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | 1 | 4 |
| | 152 | Cellulitis, Acute Abscess ... | 1 | 2 | 1 | ... | 2 | 2 | 1 | ... | ... | 1 | ... | ... | 10 |
| | 153 | Other Diseases of the Skin and Cellular Tissues ... | 2 | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 4 |
| 36 | | *XIII.—Diseases of the Bones and Organs of Movements* | | | | | | | | | | | | | |
| | 154 | Ostemyelitis and Periostitis ... | ... | ... | 1 | 1 | ... | ... | 1 | 1 | ... | ... | ... | ... | 4 |
| | 155 | Other diseases of the bones ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| | 156 | Diseases of the joints and other organs of movements ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 |
| | | *XIV.—Congenital Malformation* | | | | | | | | | | | | | |
| 32 | 157 | Congenital Malformations ... | 9 | 3 | 6 | 8 | 3 | 5 | 10 | 5 | 9 | 9 | 11 | 9 | 87 |
| | | *XV.—Diseases peculiar to the First Year of Life* | | | | | | | | | | | | | |
| 32 | 158 | Congenital Debility ... | 251 | 215 | 227 | 236 | 228 | 241 | 277 | 362 | 325 | 284 | 249 | 259 | 3,154 |
| 31 | 159 | Premature Birth ... | 118 | 88 | 92 | 92 | 97 | 108 | 136 | 176 | 176 | 152 | 128 | 111 | 1,474 |
| | 160 | Injury at Birth ... | 6 | 2 | 7 | 7 | 6 | 1 | 8 | 2 | 5 | 2 | 1 | 7 | 54 |
| | 161 | Other diseases peculiar to the first year of life— ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | 2 |
| | | (*a*) Asphyxia during or after birth, Atelectasis. ... | 22 | 17 | 26 | 17 | 14 | 13 | 22 | 16 | 21 | 16 | 20 | 15 | 219 |
| 32 | | (*b*) Intoxication due to maternal toxaemia, Antenatal taxaemia. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (*c*) Infections of the New born ... | 2 | 2 | 1 | 2 | 4 | 4 | 3 | 6 | 3 | 10 | 3 | 5 | 45 |
| | | (1) Infections of the Umbilicus ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 |
| | | (2) Pemphygus neonatorum ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (3) Other or unspecified infections included under 161 (*c*). ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | 5 |
| | | (*d*) Other specified diseases included under 161 ... | 1 | 1 | 3 | ... | ... | ... | ... | 1 | ... | ... | 3 | | 9 |
| | | *XVI—Senility, Old age* | | | | | | | | | | | | | |
| | 162A | Old age ... | ... | ... | 1 | ... | ... | 3 | 1 | ... | ... | ... | ... | ... | 5 |
| L | 162B | Senility with mention of senile dementia ... | | | | | | | | | | | | | |
| | 162C | Senility without mention of senile dementia... | 236 | 223 | 224 | 241 | 299 | 200 | 231 | 280 | 270 | 257 | 268 | 262 | 2,991 |
| | | *XVII.—Deaths from Violence Suicide (163-164)* | | | | | | | | | | | | | |
| | 163 | Suicide by Poisoning ... | | | | | | | | | | | | | |
| | | (*a*) Suicide by solid or liquid toxic or corrosive substances. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (1) By Corrosive substances ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (2) By analgesic and narcotic drugs ... | | | | | | | | | | | | | |
| | | (3) By Soporific drugs ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (4) By other solid or liquid poisons ... | | | | | | | | | | | | | |
| | | (*b*) Suicide by poisonous gas ... | | | | | | | | | | | | | |
| | | (1) By Coal gas ... | | | | | | | | | | | | | |
| | | (2) By motor exhaust gases ... | | | | | | | | | | | | | |
| | | (3) By other poisonous gas ... | | | | | | | | | | | | | |
| 33 | 164 | Other forms of suicide— | | | | | | | | | | | | | |
| | | (*a*) Suicide by hanging or strangulation ... | ... | 1 | ... | 2 | ... | ... | ... | 2 | 1 | 3 | 3 | ... | 12 |
| | | (*b*) Suicide by drowning ... | | | | | | | | | | | | | |
| | | (*c*) Suicide by fire arms and explosives ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (*d*) Suicide by cutting or piercing instruments. | | | | | | | | | | | | | |
| | | (*e*) Suicide by Jumping from high places.. | | | | | | | | | | | | | |
| | | (*f*) Suicide by crushing | | | | | | | | | | | | | |
| | | (*g*) Suicide by other or Unspecified means. | | | | | | | | | | | | | |
| | | *Homicide* (165-168) | | | | | | | | | | | | | |
| | 165 | Infanticide (Infants under 1 year) ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 2 | 1 | 4 |
| | 166 | Homicide by Firearms ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 3 |
| 35 | 167 | Homicide by cutting or piercing instruments. | 8 | 11 | 9 | 5 | 10 | 13 | 11 | 5 | 5 | 9 | 7 | 7 | 100 |
| | 168 | Homicide by other or Unspecified means ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | 3 |

## TABLE 31—(Contd.)

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1952—(*Concld.*)

| Classification No. Short List | Classification No. Detailed List. | Specific Causes of Death. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *Homicide* | | | | | | | | | | | | | |
| 35 | | Accidental Deaths (or deaths not known to be due to suicide or Homicide (169-195), and other violent deaths (196-198). ... | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 2 |
| | 169 | Railway accidents (any cause of death except war.) ... | 23 | 15 | 24 | 32 | 39 | 21 | 19 | 16 | 25 | 33 | 12 | 11 | 270 |
| 34 | 170 | Motor Vehicle Accidents (any cause of death except war.) ... | 7 | 8 | 5 | 4 | 4 | 6 | 2 | 3 | 4 | 8 | ... | ... | 51 |
| | | (a) Collisions with train ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (b) Collisions with tram ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (c) Other accidents included under 170 ... | 6 | ... | 8 | 5 | 6 | 6 | 9 | 4 | 10 | 11 | 9 | 12 | 86 |
| | 171 | Other Road Transport Accidents (any cause of death except war). ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (a) Tramway accidents on roads ... | ... | ... | 1 | 2 | ... | ... | ... | ... | ... | 1 | ... | 1 | 5 |
| | | (b) Other accidents included under 171 ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 172 | Water Transport accidents (any cause of death except war) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 173 | Air Transport Accidents (any cause of death except war) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 175 | Agricultural and Forestry Accidents (any cause of death ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 176 | Accidents caused by Machinery (any cause of death). ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 177 | Food Poisoning ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 178 | Accidental Absorption of Poisonous gas— | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| 35 | | (a) Carbon Monoxide ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 179 | Other acute Accidental poisoning (not by gas) ... | ... | ... | ... | 2 | 2 | 1 | ... | ... | ... | 1 | ... | ... | 6 |
| | | (a) Salvarsan and other organic preparations of arsenic. ... | 2 | 1 | 2 | .... | ... | 3 | ... | ... | ... | ... | ... | ... | 8 |
| | | (b) Other acute accidental poisoning not by gas included in 179. ... | ... | ... | ... | ... | ... | ... | 6 | 4 | 7 | 6 | 11 | 7 | 41 |
| | 180 | Conflagration ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | 4 |
| | 181 | Accidental Burns (conflagration excepted) ... | 13 | 19 | 32 | 26 | 19 | 11 | 16 | 12 | 18 | 15 | 25 | 17 | 223 |
| | 182 | Accidental Mechanical Suffocation ... | ... | 1 | 2 | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | 5 |
| | 183 | Accidental drowning ... | 5 | 7 | 5 | 16 | 10 | 5 | 12 | 12 | 10 | 17 | 6 | 4 | 109 |
| | 184 | Accidental Injury by Firearms ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| | 185 | Accidental Injury by cutting or piercing instruments ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 3 |
| | 186 | Accidental Injury by fall, crushing, land slides, etc. ... | 20 | 20 | 35 | 30 | 28 | 18 | 20 | 27 | 22 | 22 | 20 | 29 | 291 |
| | 187 | Cataclysm (any cause of death) ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 188 | Injury by animals (Poisoning by Venomous animals excepted) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 189 | Hunger or Thirst ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 191 | Excessive Heat ... | ... | 1 | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 3 |
| | 193 | Other Accidents due to Electric Currents ... | ... | ... | 1 | ... | 2 | 2 | 2 | 2 | ... | 1 | 2 | ... | 12 |
| | 194 | Attack by Venomous Animals— ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (a) Hydrophobia ... | 2 | 2 | ... | ... | 1 | 1 | 2 | 2 | 1 | 2 | 1 | ... | 14 |
| | | (b) Snake Bites ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 2 |
| | | (c) Attack by Venomous animals included in 194 ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | 2 |
| | 195 | Other Accidents— ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (a) (1) Vaccinia ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| | | (2) Other Sequelae of Vaccination against Small-pox ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (b) Other accidents due to medical or surgical intervention— ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 2 | ... | ... | 3 |
| | | (1) Anaesthetic accidents ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 |
| | | (2) Other accidents included under 195 (b) ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| | | (c) Lack of care of the New born ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (d) Other and Unspecified accidents under 195. | 13 | 19 | 9 | 21 | 23 | 15 | 9 | 14 | 15 | 12 | 14 | 13 | 177 |
| | 197(c) | Deaths civilians due to operations of war— .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (c) From other or unspecified causes .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| | 198 | Legal Executions ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | *XVIII.—ILL-Defined causes of Deaths* | | | | | | | | | | | | | |
| | 199 | Sudden Death ... | ... | ... | ... | 1 | 2 | ... | ... | 1 | 1 | 1 | ... | ... | 6 |
| 36 | 200 | Causes of Death unstated or Ill-defined ... | | | | | | 1 | | | | | | | 1 |
| | | (a) Ill-defined Causes— | | | | | | | | | | | | | |
| | | (1) Heart failure ... | 108 | 120 | 145 | 135 | 152 | 116 | 158 | 149 | 140 | 127 | 135 | 147 | 1,632 |
| | | (2) Fever not defined ... | 11 | 11 | 14 | 21 | 33 | 26 | 22 | 23 | 16 | 28 | 7 | 15 | 230 |
| | | (3) Other ill-defined causes ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (b) Found, dead, Cause unknown ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | (c) Other deaths from Unknown or Unspecified cause ... | 5 | 3 | 8 | 5 | 8 | 6 | 6 | 2 | 8 | 4 | 8 | 7 | 70 |
| | | Total ... | 2,778 | 2,425 | 2,937 | 2,956 | 3,238 | 2,717 | 2,963 | 3,210 | 3,124 | 2,926 | 2,557 | 2,506 | 34,337 |

# TABLE 33

## DEATHS FROM ALL CAUSES BY SECTIONS AND AGE-PERIOD IN 1952.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | | 14 | 15 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name of Sections. | Under 1 year. | 1 to 5 years. | 5 to 10 years. | 10 to 15 years. | 15 to 20 years. | 20 to 30 years. | 30 to 40 years. | 40 to 50 years. | 50 to 60 years. | 60 years and above. | Age unspecified. | Total deaths | | | No. of deaths among males to 100 deaths among females. | Ratio of deaths per 1,000 of population. | |
| | | | | | | | | | | | | Males. | Females. | Persons. | | 1951 | Mean during the previous 5 years. |
| Upper Colaba ... | 9 | 9 | ... | 1 | ... | 3 | 4 | 4 | 4 | ... | ... | 22 | 12 | 34 | 183 | 2.5 | 6.2 |
| Middle and Lower Colaba ... | 158 | 96 | 24 | 7 | 11 | 39 | 39 | 44 | 53 | 92 | ... | 312 | 251 | 563 | 124 | 14.4 | 16.1 |
| Fort Southern ... | 19 | 35 | 6 | ... | 4 | 14 | 7 | 14 | 10 | 35 | ... | 87 | 57 | 144 | 153 | 8.6 | 5.0 |
| Fort Northern ... | 134 | 85 | 11 | 6 | 16 | 37 | 27 | 31 | 55 | 99 | ... | 295 | 206 | 501 | 143 | 13.7 | 21.2 |
| Esplanade ... | 127 | 75 | 23 | 9 | 20 | 67 | 46 | 55 | 52 | 96 | ... | 357 | 213 | 570 | 168 | 11.0 | 30.6 |
| Mandvi ... | 179 | 108 | 19 | 18 | 12 | 42 | 44 | 60 | 45 | 89 | ... | 373 | 243 | 616 | 153 | 16.9 | 17.4 |
| Chakla ... | 82 | 61 | 6 | 9 | 6 | 24 | 17 | 18 | 27 | 67 | ... | 157 | 160 | 317 | 98 | 10.8 | 14.7 |
| Umarkhadi ... | 278 | 142 | 40 | 23 | 28 | 107 | 76 | 95 | 101 | 208 | ... | 629 | 469 | 1,098 | 134 | 13.6 | 19.5 |
| Dongri ... | 151 | 99 | 12 | 2 | 15 | 47 | 33 | 44 | 61 | 71 | ... | 294 | 241 | 535 | 122 | 16.4 | 24.5 |
| Khara Talao ... | 144 | 81 | 10 | 10 | 17 | 53 | 43 | 48 | 42 | 119 | ... | 275 | 292 | 567 | 94 | 17.6 | 14.8 |
| Kumbharwada ... | 159 | 125 | 33 | 9 | 18 | 62 | 47 | 49 | 46 | 78 | ... | 329 | 297 | 626 | 110 | 14.0 | 22.0 |
| Bhuleswar ... | 237 | 138 | 27 | 22 | 23 | 71 | 78 | 70 | 76 | 173 | ... | 481 | 434 | 915 | 110 | 15.5 | 26.4 |
| Market ... | 151 | 98 | 23 | 9 | 22 | 59 | 53 | 38 | 55 | 91 | ... | 352 | 247 | 599 | 142 | 10.9 | 12.9 |
| Dhobi Talao ... | 257 | 148 | 28 | 13 | 28 | 77 | 62 | 76 | 89 | 208 | ... | 585 | 401 | 986 | 146 | 14.1 | 21.1 |
| Fanaswadi ... | 135 | 103 | 22 | 11 | 20 | 52 | 45 | 55 | 68 | 144 | ... | 366 | 289 | 655 | 127 | 11.5 | 19.4 |
| Khetwadi ... | 209 | 134 | 31 | 17 | 30 | 75 | 69 | 79 | 96 | 232 | ... | 552 | 420 | 972 | 131 | 13.9 | 19.0 |
| Tardeo ... | 183 | 111 | 27 | 12 | 22 | 63 | 54 | 60 | 74 | 143 | ... | 418 | 331 | 749 | 126 | 14.6 | 22.8 |
| Girgaum ... | 180 | 112 | 29 | 14 | 25 | 74 | 54 | 64 | 79 | 173 | ... | 452 | 352 | 804 | 128 | 11.5 | 17.2 |
| Choupati ... | 75 | 46 | 5 | 4 | 8 | 9 | 15 | 17 | 40 | 54 | ... | 111 | 162 | 273 | 65 | 8.1 | 14.3 |
| Walkeshwar ... | 83 | 67 | 15 | 8 | 6 | 31 | 21 | 18 | 26 | 90 | ... | 158 | 207 | 365 | 76 | 9.3 | 13.2 |
| Mahalakshmi ... | 286 | 222 | 40 | 18 | 19 | 94 | 76 | 85 | 96 | 276 | ... | 664 | 548 | 1,212 | 121 | 19.8 | 19.4 |
| Mazagaon ... | 326 | 196 | 43 | 20 | 25 | 94 | 85 | 84 | 103 | 155 | ... | 628 | 503 | 1,131 | 125 | 20.8 | 22.5 |
| Tarwadi ... | 212 | 118 | 27 | 12 | 9 | 69 | 58 | 61 | 52 | 96 | ... | 381 | 333 | 714 | 114 | 12.1 | 19.6 |
| 1st Nagpada ... | 124 | 78 | 13 | 12 | 4 | 29 | 24 | 25 | 17 | 62 | ... | 169 | 219 | 388 | 77 | 18.8 | 26.7 |
| 2nd Nagpada ... | 243 | 161 | 41 | 45 | 47 | 246 | 314 | 248 | 271 | 300 | ... | 1,413 | 503 | 1,916 | 281 | 48.6 | 55.9 |
| Kamathipura ... | 401 | 219 | 45 | 19 | 27 | 98 | 80 | 97 | 99 | 117 | ... | 594 | 608 | 1,202 | 98 | 20.9 | 27.9 |
| Byculla ... | 691 | 326 | 55 | 44 | 58 | 231 | 200 | 211 | 235 | 253 | ... | 1,334 | 970 | 2,304 | 137 | 15.8 | 24.7 |
| Parel ... | 457 | 278 | 61 | 24 | 42 | 147 | 132 | 118 | 200 | 212 | ... | 944 | 727 | 1,671 | 130 | 15.1 | 26.8 |
| Sewri ... | 309 | 208 | 27 | 11 | 27 | 83 | 46 | 52 | 62 | 103 | ... | 476 | 452 | 928 | 105 | 14.7 | 26.5 |
| Naigaum ... | 377 | 236 | 42 | 14 | 23 | 88 | 79 | 81 | 86 | 190 | ... | 693 | 523 | 1,216 | 133 | 11.5 | 21.7 |
| Matunga ... | 122 | 99 | 26 | 6 | 17 | 36 | 25 | 39 | 30 | 122 | ... | 230 | 292 | 522 | 79 | 9.8 | 12.9 |
| Sion ... | 440 | 280 | 42 | 9 | 19 | 80 | 82 | 72 | 75 | 197 | ... | 721 | 575 | 1,296 | 125 | 16.8 | 42.2 |
| Dadar ... | 602 | 425 | 63 | 37 | 38 | 117 | 91 | 105 | 101 | 269 | ... | 998 | 850 | 1,848 | 117 | 13.2 | 25.8 |
| Mahim ... | 290 | 184 | 42 | 17 | 23 | 83 | 81 | 81 | 89 | 172 | ... | 548 | 520 | 1,068 | 105 | 16.7 | 23.6 |
| Parbhadevi ... | 435 | 333 | 41 | 21 | 33 | 117 | 107 | 86 | 90 | 289 | ... | 823 | 729 | 1,552 | 113 | 19.0 | 26.9 |
| Worli ... | 545 | 431 | 54 | 23 | 35 | 116 | 98 | 87 | 87 | 237 | ... | 920 | 793 | 1,713 | 116 | 17.4 | 26.1 |
| Chinchpokli ... | 498 | 353 | 38 | 17 | 37 | 129 | 100 | 101 | 96 | 322 | ... | 1,002 | 689 | 1,691 | 145 | 11.3 | 21.7 |
| Love Grove ... | 27 | 23 | 3 | ... | 3 | 3 | 3 | 6 | 4 | 3 | ... | 41 | 34 | 75 | 120 | 7.1 | 19.1 |
| Harbour, Docks, etc. ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | 1 | ... | ... | 0.4 |
| Total ... | 9,335 | 6,043 | 1,094 | 553 | 817 | 2,872 | 2,515 | 2,578 | 2,892 | 5,638 | ... | 19,185 | 15,152 | 34,337 | ... | 14.8 | ... |
| Average of five years 1947-51 ... | 9,316 | 6,304 | 1,384 | 509 | 1,042 | 3,612 | 3,056 | 2,688 | 2,795 | 5,784 | 1 | — | — | 36,689 | — | | |



# TABLE 32

## DEATHS BY MONTHS

### 1951-1952

| Period. | Months. | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | |
| 1951 ... | 2,973 | 2,779 | 3,093 | 2,971 | 2,799 | 2,638 | 2,829 | 2,899 | 2,870 | 2,744 | 2,634 | 2,612 | 33,841 |
| 1952 ... | 2,778 | 2,425 | 2,937 | 2,956 | 3,238 | 2,717 | 2,963 | 3,210 | 3,124 | 2,926 | 2,557 | 2,506 | 34,337 |

## TABLE 34

## DEATHS BY SECTIONS AND MONTHS IN 1952

| Name of Section. | Months. | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | March. | April. | May. | June. | July. | August. | Sept. | Oct. | Nov. | Dec. | |
| Upper Colaba ... | 2 | 7 | ... | 1 | 8 | 2 | 2 | 5 | 1 | 2 | 3 | 1 | 34 |
| Middle and Lower Colaba. ... | 44 | 23 | 44 | 51 | 55 | 55 | 62 | 32 | 51 | 52 | 50 | 44 | 563 |
| Fort Southern ... | 3 | 11 | 22 | 9 | 17 | 20 | 18 | 12 | 19 | 10 | ... | 3 | 144 |
| Fort Northern ... | 36 | 39 | 41 | 49 | 61 | 43 | 29 | 30 | 33 | 38 | 45 | 57 | 501 |
| Esplanade ... | 58 | 51 | 48 | 47 | 58 | 39 | 51 | 47 | 50 | 43 | 52 | 26 | 570 |
| Mandvi ... | 45 | 40 | 68 | 48 | 72 | 44 | 59 | 66 | 52 | 49 | 38 | 35 | 616 |
| Chakla ... | 22 | 15 | 32 | 32 | 19 | 31 | 41 | 20 | 29 | 24 | 24 | 28 | 317 |
| Umarkhadi ... | 88 | 70 | 83 | 112 | 111 | 104 | 84 | 99 | 97 | 78 | 88 | 84 | 1,098 |
| Dongri ... | 44 | 42 | 41 | 37 | 47 | 51 | 42 | 45 | 50 | 48 | 36 | 52 | 535 |
| Khara Talao ... | 56 | 46 | 45 | 41 | 55 | 60 | 36 | 64 | 37 | 50 | 42 | 35 | 567 |
| Kumbharwada ... | 65 | 46 | 62 | 56 | 55 | 46 | 49 | 54 | 43 | 54 | 50 | 46 | 626 |
| Bhuleshwar ... | 58 | 65 | 84 | 71 | 97 | 86 | 87 | 87 | 63 | 79 | 68 | 70 | 915 |
| Market ... | 55 | 44 | 56 | 49 | 72 | 54 | 48 | 43 | 46 | 60 | 42 | 30 | 599 |
| Dhobi Talao ... | 93 | 65 | 85 | 93 | 96 | 97 | 93 | 82 | 79 | 84 | 63 | 56 | 986 |
| Fanaswadi ... | 56 | 51 | 63 | 58 | 61 | 50 | 54 | 52 | 60 | 58 | 51 | 41 | 655 |
| Khetwadi ... | 86 | 63 | 86 | 84 | 92 | 84 | 101 | 85 | 83 | 80 | 67 | 61 | 972 |
| Tardeo ... | 70 | 65 | 77 | 65 | 64 | 56 | 41 | 61 | 68 | 84 | 46 | 52 | 749 |
| Girgaum ... | 66 | 69 | 74 | 62 | 87 | 63 | 66 | 71 | 72 | 57 | 68 | 49 | 804 |
| Chaupati ... | 22 | 19 | 26 | 22 | 25 | 18 | 26 | 22 | 24 | 22 | 27 | 20 | 273 |
| Walkeshwar ... | 35 | 22 | 33 | 40 | 37 | 26 | 29 | 34 | 33 | 27 | 18 | 31 | 365 |
| Mahalaxmi ... | 85 | 66 | 127 | 122 | 133 | 95 | 121 | 125 | 86 | 99 | 72 | 81 | 1,212 |
| Mazgaon ... | 86 | 73 | 113 | 104 | 94 | 85 | 89 | 118 | 107 | 103 | 75 | 84 | 1,131 |
| Tarwadi ... | 58 | 48 | 43 | 58 | 69 | 44 | 59 | 69 | 66 | 67 | 61 | 72 | 714 |
| 1st Nagpada ... | 33 | 40 | 48 | 47 | 36 | 33 | 29 | 29 | 36 | 17 | 21 | 19 | 388 |
| 2nd Nagpada ... | 163 | 136 | 157 | 160 | 176 | 151 | 149 | 160 | 178 | 149 | 168 | 169 | 1,916 |
| Kamathipura ... | 102 | 98 | 96 | 119 | 108 | 91 | 90 | 118 | 100 | 98 | 93 | 89 | 1,202 |
| Byculla ... | 187 | 188 | 214 | 204 | 209 | 151 | 191 | 195 | 220 | 190 | 178 | 177 | 2,304 |
| Parel ... | 120 | 124 | 149 | 137 | 155 | 112 | 151 | 174 | 162 | 140 | 120 | 127 | 1,671 |
| Sewri ... | 81 | 61 | 72 | 84 | 71 | 78 | 65 | 95 | 107 | 87 | 57 | 70 | 928 |
| Naigaum ... | 92 | 84 | 90 | 111 | 98 | 88 | 101 | 113 | 124 | 125 | 92 | 98 | 1,216 |
| Matunga ... | 37 | 32 | 47 | 39 | 56 | 49 | 38 | 49 | 58 | 51 | 38 | 28 | 522 |
| Sion ... | 107 | 85 | 100 | 108 | 107 | 104 | 117 | 129 | 117 | 109 | 113 | 100 | 1,296 |
| Dadar ... | 118 | 123 | 160 | 152 | 190 | 155 | 137 | 198 | 181 | 174 | 134 | 126 | 1,848 |
| Mahim ... | 97 | 71 | 75 | 81 | 97 | 71 | 101 | 115 | 84 | 84 | 104 | 88 | 1,068 |
| Parbhadevi ... | 132 | 111 | 118 | 133 | 151 | 126 | 143 | 140 | 146 | 137 | 104 | 111 | 1,552 |
| Worli ... | 131 | 103 | 141 | 138 | 157 | 116 | 197 | 177 | 175 | 149 | 119 | 110 | 1,713 |
| Chinchpokli ... | 135 | 121 | 111 | 126 | 139 | 134 | 153 | 186 | 186 | 142 | 127 | 131 | 1,691 |
| Love Grove ... | 10 | 8 | 6 | 5 | 3 | 5 | 14 | 9 | 1 | 6 | 3 | 5 | 75 |
| Harbour, Docks etc. ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| TOTAL ... | 2,778 | 2,425 | 2,937 | 2,956 | 3,238 | 2,717 | 2,963 | 3,210 | 3,124 | 2,926 | 2,557 | 2,506 | 34,337 |

TABLE 34A

DEATHS BY AGES AND MONTHS IN 1952.

| | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Average of five years 1947-51. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Within 24 Hours ... | 74 | 66 | 67 | 70 | 85 | 89 | 111 | 124 | 135 | 104 | 83 | 72 | 1,080 | 907 |
| 1 to 7 days ... ... | 136 | 95 | 117 | 109 | 91 | 116 | 144 | 189 | 174 | 168 | 160 | 130 | 1,629 | 1,604 |
| 1 to 4 weeks ... ... | 146 | 109 | 111 | 117 | 101 | 108 | 108 | 171 | 205 | 198 | 168 | 166 | 1,708 | 1,698 |
| 4 weeks to 3 months ... | 83 | 87 | 111 | 78 | 90 | 99 | 123 | 118 | 87 | 100 | 112 | 116 | 1,204 | 1,253 |
| 3 months to 6 months ... | 89 | 77 | 111 | 118 | 107 | 88 | 100 | 123 | 99 | 98 | 76 | 70 | 1,156 | 1,259 |
| 6 months to 12 months ... | 164 | 158 | 223 | 273 | 308 | 225 | 264 | 262 | 220 | 172 | 145 | 144 | 2,558 | 2,596 |
| 1 to 2 years ... ... | 261 | 220 | 286 | 288 | 298 | 243 | 296 | 286 | 263 | 204 | 171 | 137 | 2,953 | 2,985 |
| 2 to 5 years ... ... | 221 | 229 | 301 | 295 | 297 | 249 | 297 | 309 | 283 | 244 | 151 | 214 | 3,090 | 3,328 |
| 5 to 10 years ... ... | 93 | 80 | 109 | 100 | 117 | 93 | 80 | 103 | 95 | 92 | 62 | 70 | 1,094 | 1,383 |
| 10 to 15 years ... ... | 54 | 37 | 51 | 63 | 60 | 38 | 45 | 41 | 48 | 45 | 30 | 41 | 553 | 706 |
| 15 to 20 years ... ... | 61 | 62 | 83 | 73 | 93 | 63 | 80 | 69 | 52 | 63 | 65 | 53 | 817 | 1,043 |
| 20 to 30 years ... ... | 223 | 212 | 257 | 277 | 280 | 258 | 243 | 249 | 222 | 239 | 220 | 192 | 2,872 | 3,614 |
| 30 to 40 years ... ... | 194 | 184 | 208 | 202 | 239 | 186 | 213 | 218 | 245 | 236 | 200 | 190 | 2,515 | 3,055 |
| 40 to 50 years ... ... | 233 | 181 | 210 | 208 | 251 | 204 | 183 | 203 | 224 | 239 | 206 | 236 | 2,578 | 2,689 |
| 50 to 60 years ... ... | 264 | 220 | 236 | 230 | 251 | 242 | 228 | 237 | 270 | 248 | 245 | 221 | 2,892 | 2,788 |
| 60 and over ... ... | 482 | 408 | 456 | 455 | 570 | 416 | 448 | 508 | 502 | 476 | 463 | 454 | 5,638 | 5,781 |
| Ages Unspecified ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| All Ages ... ... | 2,778 | 2,425 | 2,937 | 2,956 | 3,238 | 2,717 | 2,963 | 3,210 | 3,124 | 2,926 | 2,557 | 2,506 | 34,337 | ... |
| Average of five years 1947-51. | 3,023 | 2,720 | 3,082 | 3,108 | 3,129 | 2,903 | 3,180 | 3,296 | 3,183 | 3,131 | 2,946 | 2,988 | ... | 36,689 |

## TABLE 34B

## TABLE OF DEATHS BY AGES, SEXES AND CAUSES IN 1952.

| No. in Short List. | Corresponding No. in detailed List. | Causes of deaths. | within 24 Hours. | | 1 to 7 Days. | | 1 to 4 weeks. | | 4 weeks to 3 months. | | 3 to 6 months. | | 6 to 12 months. | | 1 to 2 years. | | 2 to 5 years. | | 5 to 10 years. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. |
| 1 | 1-2 | Typhoid and Para Typhoid Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | 6 | 5 | 13 | 12 |
| 2 | 6 | Cerebro Spinal Fever | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 | 1 | ... | 1 | 1 | ... |
| 3 | 8 | Scarlet Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 | 9 | Whooping Cough | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 2 | 1 | 1 | ... | 1 | ... | ... | ... | 1 |
| 5 | 10 | Diphtheria | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 13 | 9 | 16 | 12 | 18 | 9 | 11 | 8 |
| 6 | 13 | Tuberculosis of Respiratory System | ... | ... | ... | ... | ... | ... | 1 | ... | 7 | 2 | 11 | 10 | 14 | 15 | 18 | 21 | 9 | 9 |
| 7 | 14-22 | Other forms of Tuberculosis | ... | ... | ... | ... | ... | ... | 1 | 3 | 9 | 8 | 51 | 43 | 84 | 79 | 94 | 87 | 20 | 37 |
| 8 | 30 | Syphilitic disease | ... | 1 | ... | 3 | 1 | ... | 1 | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... |
| 9 | 33 | Influenza | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 10 | 35 | Measles | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3 | 5 | 5 | 8 | 15 | 11 | 12 | 1 | 2 |
| 11 | 36 | Acute Poliomyelitis and Polioencephalitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 1 | 5 | 3 | 4 | 3 | 2 | ... |
| 12 | 37 | Acute infectious encephalitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 13M | 45-46A | Cancer of buccal cavity and Oesophagus (Males.) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 13F | 48 | Cancer of Uterus | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 14 | 46B | Cancer of Stomach and duodenum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15 | 50 | Cancer of breast | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 45-46A females | | | | | | | | | | | | | | | | | | | |
| 16 | 46 c-h,47,49,51,55 | Cancer of all other Sites | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 3 | 1 | 1 | 3 |
| 17 | 61 | Diabetes | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... |
| 18 | 83 | Intra cranial Vascular Lesions | 4 | 1 | 7 | 5 | 2 | ... | ... | ... | ... | 1 | ... | ... | ... | 2 | 2 | 2 | ... | 1 |
| 19 | 90-95 | Heart disease | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 | 2 |
| 20 | 96-103 | Other diseases of Circulatory system | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| 21 | 106 | Bronchitis | 1 | ... | 2 | ... | 4 | 6 | 5 | 1 | 3 | 1 | 6 | 3 | 3 | 4 | ... | 2 | 3 | 4 |
| 22 | 107-109 | Pneumonia | 2 | 5 | 41 | 31 | 104 | 95 | 222 | 195 | 256 | 265 | 614 | 667 | 666 | 703 | 551 | 681 | 188 | 184 |
| 23 | 104,105,110-114 | Other Respiratory diseases | ... | ... | 6 | 1 | ... | ... | ... | 2 | 3 | ... | 6 | 2 | 2 | 8 | 4 | 2 | 3 | 3 |
| 24 | 117 | Ulceration of the Stomach or duodenum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 25 | 119,120 | Diarrhoea | ... | 1 | 22 | 14 | 77 | 56 | 76 | 78 | 44 | 55 | 110 | 81 | 72 | 66 | 46 | 50 | 14 | 9 |
| 26 | 121 | Appendicitis | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... |
| 27 | 115,116,118,122-129 | Other digestive diseases | ... | ... | 11 | 6 | 17 | 12 | 4 | 6 | 7 | 3 | 12 | 4 | 32 | 19 | 34 | 13 | 13 | 10 |
| 28 | 130-132 | Nephritis | ... | ... | 1 | ... | 1 | ... | ... | ... | 1 | ... | 1 | ... | 1 | ... | 5 | 4 | 2 | 1 |
| 29 | 140-147 | Puerperal and Post Abortives Sepsis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | 141-146,148-150 | Other Maternal Causes | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... |
| 31 | 159 | Premature birth | 328 | 249 | 396 | 285 | 118 | 79 | 5 | 9 | 1 | 1 | ... | ... | 1 | 1 | ... | ... | ... | ... |
| 32 | 157,158,160,161 | Congenital Malformation, injury at birth | 263 | 173 | 391 | 283 | 502 | 504 | 263 | 237 | 151 | 166 | 213 | 225 | 72 | 105 | 13 | 11 | 3 | 1 |
| 33 | 163-164 | Suicide | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 34 | 170-171 | Road Traffic Accidents | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 4 | 2 | 16 | 9 |
| 35 | 165-169,172-198 | Other Violent Causes | 2 | 5 | ... | ... | 1 | 1 | 1 | 1 | 4 | 2 | 3 | 4 | 14 | 15 | 25 | 21 | 35 | 25 |
| 36 | 34 | *A.* Small pox | ... | ... | ... | ... | 1 | ... | 2 | 1 | 4 | 2 | 9 | 3 | 7 | 2 | 6 | 11 | 3 | 1 |
| Other defined diseases. | 3 | *B.* Plague | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 29*a* | *C.* Kala-Azar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... |
| | 28*a* | *D.* Malaria | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | 2 | 2 | 1 | 1 | 3 | 2 |
| | 28*b* | *E.* Ague and Remittent Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 2 | 1 |
| | 31 | *F.* Relapsing Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 200-2*a* | *G.* Fever not defined | ... | ... | 5 | 4 | 11 | 7 | 11 | 10 | 5 | 15 | 9 | 4 | 6 | 10 | 8 | 8 | 6 | 4 |
| | 4 | *H.* Cholera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| | 27 | *J.* Dysentery | ... | ... | ... | ... | 1 | 1 | 2 | 3 | 4 | 3 | 17 | 14 | 12 | 10 | 12 | 17 | 11 | 6 |
| | 23 | *K.* Leprosy | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... |
| | 162 | *L.* Senility and Old Age | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | *M.* All other causes | 25 | 20 | 78 | 35 | 60 | 48 | 38 | 20 | 65 | 58 | 206 | 187 | 398 | 460 | 560 | 695 | 183 | 212 |
| All ages | Males | | 626 | | 961 | | 899 | | 635 | | 567 | | 1,293 | | 1,419 | | 1,430 | | 545 | |
| | Females | | | 454 | | 668 | | 809 | | 569 | | 589 | | 1,265 | | 1,534 | | 1,660 | | 549 |
| | Total | | 1,080 | | 1,629 | | 1,708 | | 1,204 | | 1,156 | | 2,558 | | 2,953 | | 3,090 | | 1,094 | |
| | Percentage | | | | | | | 27.2 | | | | | | | | 17.6 | | | | 3.2 |

# TABLE 34B

## TABLE OF DEATHS BY AGES, SEXES AND CAUSES IN 1952.

| No. in Short List. | Corresponding No. in detailed List. | Causes of deaths. | 10 to 15 years | | 15 to 20 years. | | 20 to 30 years. | | 30 to 40 years. | | 40 to 50 years. | | 50 to 60 years. | | 60 and Over. | | Age Unspecified. | | Total. | | Persons. | No. in Short List. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Males | Females | | |
| 1 | 1-2 | Typhoid and Para Typhoid Fever ... | 19 | 10 | 49 | 14 | 149 | 38 | 51 | 7 | 18 | 8 | 13 | 2 | 10 | 2 | | | 330 | 98 | 428 | 1 |
| 2 | 6 | Cerebro-Spinal Fever ... | 1 | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | | | 6 | 3 | 9 | 2 |
| 3 | 8 | Scarlet Fever ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | ... | ... | ... | 3 |
| 4 | 9 | Whooping Cough ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 3 | 5 | 8 | 4 |
| 5 | 10 | Diphtheria ... | 1 | 1 | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | | | 60 | 41 | 101 | 5 |
| 6 | 13 | Tuberculosis of Respiratory System ... | 4 | 9 | 39 | 44 | 204 | 177 | 247 | 119 | 297 | 69 | 249 | 41 | 165 | 24 | | | 1,265 | 540 | 1,805 | 6 |
| 7 | 14-22 | Other forms of Tuberculosis ... | 10 | 14 | 17 | 27 | 35 | 55 | 26 | 29 | 13 | 18 | 15 | 9 | 2 | 4 | | | 377 | 413 | 790 | 7 |
| 8 | 30 | Syphilitic disease ... | ... | ... | ... | ... | 3 | ... | 11 | ... | 8 | 2 | 7 | ... | 3 | ... | | | 35 | 9 | 44 | 8 |
| 9 | 33 | Influenza ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | | | ... | 2 | 2 | 9 |
| 10 | 35 | Measles ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 26 | 37 | 63 | 10 |
| 11 | 36 | Acute Poliomyelitits and Polioencephalitis ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 13 | 7 | 20 | 11 |
| 12 | 37 | Acute infections encephalitis ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | | | 2 | 1 | 3 | 12 |
| 13M | 45-46A | Cancer of buccal cavity and Oesophagus (Males) ... | ... | ... | ... | ... | 1 | ... | 4 | ... | 24 | ... | 27 | ... | 29 | ... | | | 85 | ... | 85 | 13 |
| 13F | 48 | Cancer of Uterus ... | ... | ... | ... | ... | ... | 4 | ... | 8 | ... | 11 | ... | 12 | ... | 4 | | | ... | 39 | 39 | 13 |
| 14 | 46B | Cancer of Stomach and duodenum ... | ... | ... | 1 | ... | 1 | 1 | 2 | ... | 7 | 2 | 15 | 4 | 9 | 12 | | | 35 | 19 | 54 | 14 |
| 15 | 50 | Cancer of breast ... | ... | ... | ... | ... | ... | 1 | ... | 4 | ... | 6 | ... | 4 | ... | 5 | | | ... | 20 | 20 | 15 |
| | 45-46A females | | | | | | | | | | | | | | | | | | | | | |
| 16 | 46-C-h, 47,49,51,55 | Cancer of all other Sites ... | 4 | 1 | 1 | 1 | 8 | 6 | 14 | 12 | 35 | 24 | 75 | 27 | 75 | 43 | | | 218 | 118 | 336 | 16 |
| 17 | 61 | Diabetes ... | ... | 2 | ... | ... | 3 | 2 | 2 | 2 | 6 | 6 | 11 | 9 | 11 | 16 | | | 33 | 38 | 71 | 17 |
| 18 | 83 | Intra cranial Vascular Lesions ... | 3 | ... | 3 | 3 | 10 | 4 | 16 | 6 | 30 | 10 | 76 | 26 | 80 | 69 | | | 233 | 130 | 362 | 18 |
| 19 | 90-95 | Heart disease ... | 1 | 1 | 2 | 6 | 38 | 11 | 94 | 12 | 144 | 16 | 176 | 21 | 228 | 77 | | | 686 | 147 | 833 | 19 |
| 20 | 96-103 | Other diseases of Circulatory system ... | 3 | ... | 1 | ... | 4 | 5 | 7 | 2 | 16 | 7 | 19 | 12 | 24 | 22 | | | 76 | 49 | 125 | 20 |
| 21 | 106 | Bronchitis ... | ... | 1 | 1 | ... | 2 | ... | 6 | 1 | 5 | 3 | 20 | 9 | 27 | 9 | | | 88 | 44 | 132 | 21 |
| 22 | 107-109 | Pneumonia ... | 58 | 63 | 48 | 49 | 169 | 141 | 143 | 94 | 185 | 67 | 163 | 59 | 158 | 105 | | | 3,568 | 3,404 | 6,972 | 22 |
| 23 | 104,105,110.114 | Other Respiratory Diseases ... | 3 | 3 | 5 | 6 | 26 | 25 | 54 | 27 | 118 | 48 | 192 | 78 | 179 | 124 | | | 601 | 329 | 930 | 23 |
| 24 | 117 | Ulceration of the Stomach or duodenum ... | ... | ... | 1 | ... | 4 | ... | 4 | 1 | 1 | 1 | 9 | 1 | 1 | ... | | | 20 | 3 | 23 | 24 |
| 25 | 119-120 | Diarrhoea ... | 1 | 2 | 5 | 3 | 21 | 13 | 17 | 11 | 21 | 8 | 31 | 16 | 52 | 45 | | | 609 | 508 | 1,117 | 25 |
| 26 | 121 | Appendicitis ... | 2 | ... | ... | ... | 3 | ... | 7 | 1 | ... | ... | ... | ... | 1 | ... | | | 16 | 1 | 17 | 26 |
| 27 | 115,116,118,122-129 | Other digestive diseases ... | 5 | 2 | 13 | 9 | 52 | 25 | 64 | 24 | 70 | 13 | 70 | 17 | 51 | 18 | | | 455 | 181 | 636 | 27 |
| 28 | 130-132 | Nephritis ... | 1 | 4 | 5 | 2 | 11 | 8 | 12 | 6 | 19 | 7 | 30 | 4 | 68 | 32 | | | 158 | 68 | 226 | 28 |
| 29 | 140-147 | Puerperal and Post Abortive Sepsis ... | ... | ... | ... | 1 | ... | 8 | ... | 6 | ... | 2 | ... | ... | ... | ... | | | ... | 17 | 17 | 29 |
| 30 | 141-146,148-150 | Other Maternal Causes ... | ... | ... | ... | 5 | ... | 30 | ... | 27 | ... | 9 | ... | ... | ... | ... | | | ... | 71 | 71 | 30 |
| 31 | 159 | Premature birth ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 849 | 625 | 1,474 | 31 |
| 32 | 157,158,160.161 | Congenital Malformation, injury at birth ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 1,871 | 1,705 | 3,576 | 32 |
| 33 | 163-164 | Suicide ... | ... | ... | 1 | 1 | 2 | 1 | 4 | ... | 3 | ... | 2 | ... | ... | ... | | | 12 | 2 | 14 | 33 |
| 34 | 170-171 | Road Traffic Accident ... | 14 | 4 | 1 | 1 | 15 | 2 | 16 | 4 | 14 | 3 | 16 | 5 | 11 | 8 | | | 107 | 39 | 146 | 34 |
| 35 | 165-169,172-198 | Other Violent causes ... | 72 | 14 | 74 | 62 | 277 | 121 | 176 | 44 | 90 | 22 | 73 | 18 | 56 | 41 | | | 902 | 394 | 1,296 | 35 |
| | 34 | (A) Small-pox ... | 5 | ... | 7 | 6 | 25 | 14 | 5 | 3 | 2 | 1 | ... | ... | ... | ... | | | 76 | 44 | 120 | A |
| | 3 | (B) Plague ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | | | 2 | ... | 2 | B |
| | 29 | (C) Kala-Azar ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 3 | ... | 3 | C |
| | 28a | (D) Malaria ... | 2 | 1 | 2 | 2 | 5 | 3 | 3 | 1 | 2 | 1 | 2 | 1 | 3 | 1 | | | 26 | 16 | 42 | D |
| | 28b | (E) Ague and Remittent Fever ... | 2 | 2 | 1 | ... | ... | 3 | ... | ... | 1 | 1 | 2 | ... | ... | 1 | | | 9 | 9 | 18 | E |
| | 31 | (F) Relapsing Fever ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | ... | ... | ... | F |
| 36 | 200 : 2a | (G) Fever not defined ... | 2 | 7 | 3 | 3 | 16 | 5 | 9 | 7 | 10 | 3 | 12 | 3 | 16 | 11 | | | 129 | 101 | 230 | G36 |
| | 4 | (H) Cholera ... | ... | ... | ... | ... | 1 | 2 | 1 | ... | ... | ... | ... | ... | ... | ... | | | 3 | 3 | 6 | H |
| | 27 | (J) Dysentery ... | 3 | ... | ... | 2 | 12 | 8 | 13 | 6 | 14 | 3 | 13 | 4 | 19 | 18 | | | 133 | 95 | 228 | J |
| | 23 | (K) Leprosy ... | ... | ... | ... | ... | 5 | 2 | 14 | 5 | 16 | 2 | 9 | 2 | 8 | 2 | | | 52 | 14 | 66 | K |
| | 162 | (L) Senility & old age ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5 | 212 | 131 | 1,319 | 1,324 | | | 1,536 | 1,460 | 2,996 | L |
| | | (M) All other causes ... | 83 | 111 | 119 | 170 | 422 | 630 | 493 | 528 | 622 | 402 | 541 | 296 | 584 | 431 | | | 4,477 | 4,303 | 8,780 | M |
| | | All ages ... Males ... | 300 | | 399 | | 1,526 | | 1,518 | | 17,96 | | 2,081 | | 3,190 | | | | 19,185 | | | |
| | | All ages ... Females ... | | 253 | | 418 | | 1,346 | | 997 | | 782 | | 811 | | 2,448 | | | | 15,152 | 34,337 | |
| | | Total | 553 | | 817 | | 2,872 | | 2,515 | | 2,578 | | 2,892 | | 5,638 | | | | | | | |
| | | Percentage. | 1.6 | | 2.4 | | 8.4 | | 7.3 | | 7.5 | | 8.4 | | 16.4 | | | | | | 100.0 | |

Other defined Disease.

## TABLE 35

THE NUMBER OF CHILDREN BORN IN AND OUT OF BOMBAY WHO DIED BEFORE COMPLETING TWELVE MONTHS OF AGE IN 1952.

| | Born in Bombay. | | Born out of Bombay. | Deaths under 1 year of age. |
|---|---|---|---|---|
| | Births Registered. | | | |
| | Before death. | After death. | | |
| Total ... ... | 5,697 | 1,235 | 2 403 | 9,335 |
| Percentage ... ... | 61.0 | 13.2 | 25.8 | 100.0 |

## TABLE 36

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM (1947-52)

| Cause of Death. | 1947. | 1948. | 1949. | 1950. | 1951. | Annual Average 1947 to 1951. (a) | 1952. (b) | Difference between (a) and (b) |
|---|---|---|---|---|---|---|---|---|
| Poliomyelitis ... ... | 4 | ... | 11 | 8 | 4 | 5 | 3 | — 2 |
| Small-pox ... ... | 1 | 23 | 83 | 36 | 44 | 37 | 22 | — 15 |
| Measles ... ... | 7 | 23 | 60 | 29 | 48 | 33 | 14 | — 19 |
| Malarial Fever ... ... | 5 | 5 | 2 | 1 | 4 | 3 | 2 | — 1 |
| Ague and Remittent Fever and Fever not defined. | 41 | 8 | 137 | 49 | 90 | 65 | 81 | + 16 |
| Diarrhoea and Enteritis ... | 421 | 482 | 493 | 493 | 556 | 489 | 614 | + 125 |
| Dysentery ... ... | 32 | 33 | 101 | 35 | 39 | 48 | 45 | — 3 |
| Infantile Debility & Malformation including Premature Birth. | 4,609 | 5,022 | 5,390 | 5,073 | 5,279 | 5,075 | 4,843 | — 232 |
| Diseases of the Respiratory system. | 2,404 | 2,417 | 2,659 | 2,370 | 2,489 | 2,468 | 2,549 | + 81 |
| Convulsions ... ... | 405 | 294 | 191 | 246 | 227 | 273 | 221 | — 52 |
| All Causes ... ... | 8,471 | 9,052 | 10,120 | 9,191 | 9,746 | 9,316 | 9,335 | + 19 |

## TABLE 37

DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES BY AGE-PERIODS IN 1952.

| Age period. | Small-pox. | Measles. | Malarial fever. | Ague and Remittent Fever and fever not defined. | Diarrhoea and Enteritis. | Dysentery. | Infantile Debility and Malformation including premature birth. | Diseases of Respiratory system. | Convulsions. | Poliomyelitis. | All causes. | Percentage of death in age-period to the total deaths under 1 year of age. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 7 days. ... | ... | ... | ... | 9 | 37 | ... | 2,368 | 89 | 89 | ... | 2,709 | 29.0 |
| 1 to 4 weeks ... | 1 | ... | ... | 18 | 133 | 2 | 1,203 | 209 | 55 | ... | 1,708 | 18.3 |
| Total under 4 weeks. | 1 | ... | ... | 27 | 170 | 2 | 3,571 | 298 | 144 | ... | 4,417 | 47.3 |
| 4 weeks to 6 months. | 9 | 4 | 1 | 41 | 253 | 12 | 833 | 953 | 53 | ... | 2,360 | 25.3 |
| 6 to 12 months | 12 | 10 | 1 | 13 | 191 | 31 | 439 | 1,298 | 24 | 3 | 2,558 | 27.4 |
| Total ... | 22 | 14 | 2 | 81 | 614 | 45 | 4,843 | 2,549 | 221 | 3 | 9,335 | 100.0 |

## TABLE 38

THE NEONATAL DEATH RATES IN THE YEAR 1952 AND IN THE PRECEDING TEN YEARS.

| Year. | Births. | Neonatal Deaths. | Rate. |
|---|---|---|---|
| 1942 ... | 31,536 | 2,511 | 79.6 |
| 1943 ... | 44,015 | 3,568 | 81.1 |
| 1944 ... | 56,907 | 4,306 | 75.7 |
| 1945 ... | 53,170 | 4,931 | 75.8 |
| 1946 ... | 53,469 | 4,094 | 76.5 |
| 1947 ... | 50,833 | 3,599 | 70.8 |
| 1948 ... | 54,629 | 3,970 | 72.7 |
| 1949 ... | 58,081 | 4,390 | 75.6 |
| 1950 ... | 60,597 | 4460, | 73.6 |
| 1951 ... | 65,679 | 4,626 | 70.4 |
| 1952 ... | 66,125 | 4,417 | 66.8 |

## TABLE 39

INFANT DEATHS FROM PRINCIPAL CAUSES BY AGE-GROUPS IN 1952, EXPRESSED AS PERCENTAGES OF THE TOTAL INFANT DEATHS.

| Age-Period. | Small-pox. | Mea-sles. | Mala-rial fever. | Ague and Remittent Fever and fever not defined. | Diar-rhoea and Enteritis. | Dysen-tery. | Infantile Debility and Malforma-tion, including premature births. | Diseases of the Respira-tory system. | Convul-sions. | Polio-myelitis. | Other causes. | All causes. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 7 days. | 0.0 | 0.0 | 0.0 | 0.3 | 1.4 | ... | 87.4 | 3.3 | 3.3 | 0.0 | 4.3 | 100.0 |
| 1 to 4 weeks ... | 0.0 | 0.0 | 0.0 | 1.0 | 7.6 | 0.1 | 70.4 | 12.2 | 3.2 | 0.0 | 5.3 | 100.0 |
| 4 weeks to 6 months. | 0.4 | 0.2 | 0.0 | 1.7 | 10.7 | 0.5 | 35.3 | 40.4 | 2.2 | 0.0 | 8.6 | 100.0 |
| 6 to 12 months. | 0.5 | 0.4 | 0.0 | 0.5 | 7.5 | 1.2 | 17.2 | 50.7 | 0.9 | 0.1 | 21.0 | 100.0 |
| Total percentage for all ages upto 1 year. | 0.2 | 0.1 | 0.0 | 0.9 | 6.6 | 0.5 | 51.9 | 27.3 | 2.4 | 0.0 | 10.1 | 100.0 |

## TABLE 40

COMPARISON BETWEEN INFANT DEATHS AND DEATHS AT AGES 1 YEAR AND OVER IN EACH MONTH OF 1952.

| Age-period. | Months. | | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Spt. | Oct. | Nov. | Dec. | |
| Under 1 year. | 622 | 592 | 740 | 765 | 782 | 725 | 850 | 987 | 920 | 840 | 744 | 698 | 9,335 |
| 1 year and upwards. | 2,086 | 1,833 | 2,197 | 2,191 | 2,456 | 1,992 | 2,113 | 2,223 | 2,204 | 2,036 | 1,813 | 1,808 | 25,002 |

## TABLE 41

### DEATHS AMONG INFANTS BY CAUSES, MONTHS AND AGES IN 1952

| Causes of Deaths. | Total. | Months. | | | | | | | | | | | | Ages. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Under 1 week. | 1 to 4 weeks. | 4 weeks to 6 months. | 6 to 12 months. |
| 36 Poliomyelitis ... | 3 | ... | ... | ... | 1 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| 28a Malaria ... | 2 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | 1 | 1 |
| 28b Ague and Remittent Fever ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 34 Small-pox ... | 22 | 1 | 2 | 2 | 8 | 2 | 3 | 1 | ... | 1 | ... | ... | 2 | ... | 1 | 9 | 12 |
| 35 Measles ... | 14 | 1 | 1 | 2 | 4 | 3 | ... | 1 | 1 | ... | ... | 1 | ... | ... | ... | 4 | 10 |
| 8 Scarlet Fever ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 9 Whooping Cough ... | 6 | 2 | ... | 1 | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | 4 | 2 |
| 10 Diphtheria ... | 23 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 3 | 4 | ... | 3 | 1 | ... | ... | 1 | 22 |
| 33 Influenza ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 Cholera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 27 Dysentery ... | 45 | 3 | ... | 1 | 8 | 7 | 2 | 8 | 6 | 1 | 3 | 2 | 4 | ... | 2 | 12 | 31 |
| 3 Plague ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6 Cerebro-Spinal Fever | 2 | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 13 Tuberculosis of Respiratory system ... | 31 | 2 | 2 | 1 | 4 | 4 | 6 | 2 | 3 | 2 | 1 | 3 | 1 | ... | ... | 10 | 21 |
| 14-22 Other Tuberculosis Diseases ... | 115 | 9 | 8 | 9 | 9 | 15 | 5 | 6 | 8 | 6 | 15 | 15 | 10 | ... | ... | 21 | 94 |
| 30 Syphilis ... | 10 | 1 | 1 | 1 | ... | ... | 1 | 2 | ... | 2 | ... | 1 | 1 | 4 | 1 | 5 | ... |
| 70 Rickets ... | 329 | 17 | 25 | 24 | 29 | 34 | 30 | 23 | 26 | 39 | 36 | 21 | 25 | 1 | 8 | 81 | 239 |
| 86 Convulsions ... | 221 | 19 | 8 | 18 | 19 | 22 | 21 | 20 | 30 | 16 | 23 | 12 | 13 | 89 | 55 | 53 | 24 |
| 106 Bronchitis ... | 32 | ... | 1 | 1 | 1 | 1 | 1 | 5 | 2 | 9 | 2 | 3 | 6 | 3 | 10 | 10 | 9 |
| 107-109 Pneumonia ... | 2,497 | 164 | 149 | 242 | 235 | 245 | 229 | 245 | 229 | 209 | 197 | 181 | 172 | 79 | 199 | 938 | 1,281 |
| 104, 105, 110-114 Other Respiratory Disease | 20 | ... | 1 | 5 | 3 | ... | 1 | 1 | ... | 3 | ... | 3 | 3 | 7 | ... | 5 | 8 |
| 118-1 Gastritis ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 119-120 Diarrhoea and Enteritis ... | 614 | 40 | 43 | 57 | 61 | 62 | 42 | 47 | 73 | 58 | 47 | 48 | 36 | 37 | 133 | 253 | 191 |
| 157, 158, 160, 161 Congenital Malformation Injury at Birth ... | 1,472 | 118 | 88 | 92 | 91 | 97 | 108 | 136 | 176 | 176 | 152 | 128 | 110 | 1,258 | 197 | 16 | 1 |
| 159 Premature-Birth ... | 3,371 | 271 | 227 | 255 | 246 | 233 | 242 | 300 | 371 | 349 | 308 | 276 | 288 | 1,110 | 1,006 | 817 | 438 |
| 161a Atelectasis ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 202a-2 Suffocation Overlying ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 200-2a Fever not defined | 81 | 6 | 5 | 5 | 11 | 8 | 6 | 6 | 10 | 5 | 10 | 5 | 4 | 9 | 18 | 41 | 13 |
| Other Causes ... | 425 | 36 | 30 | 22 | 33 | 40 | 27 | 42 | 47 | 40 | 45 | 41 | 22 | 112 | 78 | 78 | 157 |
| Total ... | 9,335 | 692 | 592 | 740 | 765 | 782 | 725 | 850 | 987 | 920 | 840 | 744 | 698 | 2,739 | 1,708 | 2,360 | 2,558 |

# TABLE 41-A

## TABLE SHOWING INFANT MORTALITY BY SECTIONS AND MONTHS IN 1952.

| Localities / Name of Sections. | Months. | | | | | | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | March. | April. | May. | June. | July. | August. | Sept. | Oct. | Nov. | Dec. | |
| Upper Colaba ... | 2 | 2 | ... | ... | 3 | ... | ... | ... | ... | 2 | ... | ... | 9 |
| Middle and Lower Colaba. | 17 | 7 | 10 | 10 | 9 | 13 | 16 | 11 | 20 | 19 | 12 | 14 | 158 |
| Fort, Southern ... | ... | 2 | 4 | 1 | 3 | 1 | 1 | 3 | 3 | 1 | ... | ... | 19 |
| Fort, Northern ... ... | 9 | 10 | 8 | 16 | 15 | 14 | 8 | 7 | 5 | 8 | 20 | 14 | 134 |
| Esplanade ... ... | 11 | 12 | 14 | 5 | 12 | 9 | 11 | 15 | 13 | 9 | 9 | 7 | 127 |
| Mandvi ... ... ... | 11 | 12 | 18 | 19 | 22 | 12 | 18 | 19 | 12 | 15 | 9 | 12 | 179 |
| Chakla ... ... ... | 4 | 3 | 11 | 6 | 3 | 7 | 10 | 5 | 10 | 6 | 7 | 10 | 82 |
| Umarkhadi ... ... ... | 23 | 17 | 22 | 24 | 20 | 35 | 27 | 27 | 27 | 14 | 28 | 14 | 278 |
| Dongri ... ... ... | 13 | 12 | 10 | 16 | 11 | 16 | 20 | 14 | 12 | 6 | 5 | 16 | 151 |
| Khara Talao ... ... | 12 | 7 | 9 | 11 | 13 | 11 | 14 | 21 | 10 | 16 | 10 | 10 | 148 |
| Kumbharwada ... ... ... | 11 | 11 | 17 | 9 | 11 | 16 | 12 | 16 | 13 | 20 | 14 | 9 | 159 |
| Bhuleshwar ... ... | 7 | 10 | 28 | 18 | 16 | 21 | 24 | 31 | 21 | 23 | 19 | 19 | 237 |
| Market ... ... ... ... | 17 | 12 | 12 | 16 | 13 | 11 | 13 | 15 | 11 | 16 | 9 | 6 | 151 |
| Dhobi Talao ... ... ... | 19 | 11 | 19 | 26 | 37 | 17 | 30 | 25 | 16 | 21 | 20 | 16 | 257 |
| Fanaswadi ... ... | 13 | 7 | 12 | 11 | 8 | 8 | 16 | 12 | 15 | 14 | 9 | 10 | 135 |
| Khetwadi ... ... | 10 | 15 | 22 | 19 | 17 | 15 | 28 | 18 | 24 | 12 | 16 | 13 | 209 |
| Tardeo ... ... ... ... | 11 | 13 | 22 | 19 | 14 | 12 | 13 | 13 | 21 | 20 | 11 | 14 | 183 |
| Girgaum ... ... | 17 | 16 | 14 | 8 | 20 | 18 | 14 | 17 | 16 | 12 | 19 | 9 | 180 |
| Chowpati ... ... | 7 | 4 | 9 | 2 | 5 | 3 | 8 | 6 | 11 | 6 | 8 | 6 | 75 |
| Walkeshwar ... ... ... | 7 | 2 | 10 | 8 | 10 | 4 | 5 | 6 | 13 | 7 | 4 | 7 | 83 |
| Mahalakshmi ... | 14 | 11 | 24 | 33 | 27 | 28 | 28 | 34 | 19 | 29 | 24 | 15 | 286 |
| Mazgaon ... ... | 24 | 20 | 32 | 30 | 18 | 30 | 24 | 47 | 30 | 27 | 12 | 32 | 326 |
| Tarwadi ... ... | 17 | 18 | 11 | 11 | 17 | 12 | 24 | 23 | 17 | 22 | 19 | 21 | 212 |
| 1st Nagpada ... ... ... | 3 | 11 | 12 | 19 | 12 | 12 | 10 | 11 | 14 | 5 | 7 | 8 | 124 |
| 2nd Nagpada ... ... ... | 24 | 13 | 11 | 17 | 23 | 24 | 29 | 14 | 24 | 14 | 28 | 22 | 243 |
| Kamathipura... ... | 35 | 21 | 26 | 39 | 28 | 23 | 25 | 50 | 40 | 49 | 41 | 24 | 401 |
| Byculla ... ... | 51 | 51 | 51 | 57 | 56 | 50 | 62 | 63 | 77 | 45 | 66 | 62 | 691 |
| Parel ... ... | 24 | 29 | 29 | 30 | 32 | 33 | 55 | 64 | 43 | 52 | 31 | 35 | 457 |
| Sewri ... ... | 27 | 14 | 22 | 34 | 21 | 29 | 24 | 26 | 38 | 34 | 20 | 20 | 309 |
| Naigaum ... ... | 34 | 21 | 26 | 32 | 33 | 20 | 24 | 40 | 46 | 38 | 29 | 34 | 377 |
| Matunga ... ... | 18 | 7 | 13 | 8 | 9 | 6 | 7 | 15 | 18 | 10 | 7 | 4 | 122 |
| Sion ... ... | 28 | 37 | 38 | 36 | 37 | 32 | 35 | 40 | 33 | 43 | 41 | 40 | 440 |
| Dadar ... ... | 31 | 27 | 55 | 56 | 61 | 55 | 38 | 76 | 53 | 55 | 52 | 43 | 602 |
| Mahim ... ... | 27 | 13 | 19 | 20 | 20 | 14 | 28 | 37 | 31 | 27 | 29 | 25 | 290 |
| Parbhadevi ... ... | 27 | 31 | 27 | 35 | 34 | 40 | 44 | 43 | 50 | 44 | 26 | 29 | 535 |
| Worli ... ... ... | 40 | 43 | 40 | 33 | 44 | 40 | 63 | 59 | 54 | 47 | 42 | 40 | 545 |
| Chinchpokli ... ... | 42 | 37 | 29 | 30 | 47 | 34 | 41 | 52 | 60 | 50 | 40 | 36 | 498 |
| Love Grove ... ... | 5 | 3 | 4 | 1 | 1 | ... | 1 | 7 | ... | 2 | 1 | 2 | 27 |
| Harbour, Docks, etc. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| TOTAL ... | 692 | 592 | 740 | 765 | 782 | 725 | 850 | 987 | 920 | 840 | 744 | 698 | 9,335 |

TABLE 42

CLASSIFICATION OF DEATHS IN PUERPERAL STATE IN 1952

| No. | Specific Cause of Death. | Number of Deaths. |
|---|---|---|
| 1 | Ante-partum Haemorrhage ... ... ... ... | 14 |
| 2 | Post-partum Haemorrhage ... ... ... ... | 12 |
| 3 | Toxaemias (Eclampsia, Hyperemesis, Gravidarum, Acute Yellow Atrophy, Albuminuira) ... ... ... ... | 22 |
| 4 | Puerperal Sepsis (Sepraemia, Septicaemia, Phlegmasi., Albodolens, Coli Infection, etc.) ... ... ... ... | 18 |
| 5 | Embolism ... ... ... ... ... | 1 |
| 6 | Shock during or immediately after delivery ... ... | 3 |
| 7 | Anaemia of Pregnancy ... ... ... ... | 6 |
| 8 | Malaria ... ... ... ... ... | ... |
| 9 | Influenza, Pneumonia ... ... ... ... | ... |
| 10 | T. B. ... ... ... ... ... | ... |
| | Complications of Pregnancy | |
| 11 | Heart Disease ... ... ... ... ... | ... |
| 12 | Operative Interference ... ... ... ... | 2 |
| 13 | Ruptured Uterus ... ... ... ... | 1 |
| 14 | Breast Disease ... ... ... ... ... | ... |
| 15 | Puerperal Insanity ... ... ... ... | 1 |
| 16 | Other Causes ... ... ... ... ... | 8 |
| | Total ... | 88 |

# TABLE 43

TABLE SHOWING CASES OF INFECTIOUS DISEASES NOTIFIED FROM ALL SOURCES DURING THE YEAR 1952.

| 1 | 2 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sections. | Total Number of infectious Diseases Cases notified in each Section during the year 1952. | | | | | | | | | | | | | | | |
| | Cholera. | Small-pox. | Plague. | Enteric Fever. | Diph-theria. | Typhus. | Relapsing Fever. | Kala Azar | Puerperal Fever. | Tuber-culosis. | Leprosy. | Influenzal Pneumonia | Cerebro Spinal Meningitis. | Scarlet Fever. | Acute Anterior Polio-myelities. | Total. |
| Upper Colaba ... ... | ... | 1 | ... | 6 | 2 | ... | ... | ... | ... | 6 | ... | ... | ... | ... | ... | 15 |
| Middle and Lower Colaba ... | ... | 4 | ... | 21 | 11 | ... | ... | ... | ... | 33 | ... | ... | ... | ... | 4 | 73 |
| Fort, Southern ... ... | ... | 6 | ... | 13 | 8 | 1 | ... | ... | ... | 27 | ... | ... | ... | ... | 1 | 56 |
| Fort, Northern ... ... | ... | 22 | ... | 24 | 14 | 2 | ... | ... | ... | 83 | ... | ... | 1 | ... | 3 | 149 |
| Esplanade ... ... | ... | 6 | ... | 37 | 9 | ... | ... | ... | ... | 93 | ... | ... | ... | ... | ... | 145 |
| Mandvi ... ... | ... | 2 | ... | 53 | 6 | ... | ... | ... | ... | 46 | ... | ... | ... | ... | 3 | 110 |
| Chakla ... ... | ... | 4 | ... | 41 | 16 | 1 | ... | ... | ... | 52 | ... | ... | ... | ... | ... | 114 |
| Umarkhadi ... ... | ... | 12 | ... | 86 | 29 | ... | ... | ... | ... | 85 | ... | ... | ... | ... | 9 | 221 |
| Dongri ... ... | ... | 4 | 1 | 6 | 13 | ... | ... | ... | ... | 15 | ... | ... | ... | ... | 2 | 41 |
| Khara Talao ... ... | ... | 10 | ... | 22 | 22 | 2 | ... | ... | ... | 44 | ... | ... | ... | ... | 3 | 103 |
| Kumbharwada ... ... | ... | 15 | ... | 34 | 11 | ... | ... | ... | ... | 54 | ... | ... | ... | ... | 3 | 117 |
| Bhuleshwar ... ... | ... | 4 | ... | 55 | 10 | ... | ... | ... | ... | 58 | ... | ... | ... | ... | 2 | 129 |
| Market ... ... | ... | 10 | ... | 75 | 7 | 1 | ... | ... | ... | 33 | ... | ... | 1 | ... | ... | 127 |
| Dhobi Talao ... ... | 1 | 26 | ... | 116 | 12 | 1 | ... | ... | ... | 90 | ... | ... | 1 | ... | 2 | 249 |
| Fanaswadi ... ... | .. | 6 | ... | 104 | 17 | 1 | ... | ... | ... | 67 | ... | ... | .. | .. | 2 | 197 |
| Khetwadi ... ... | ... | 8 | ... | 56 | 16 | 3 | ... | ... | 1 | 51 | ... | ... | ... | ... | 7 | 142 |
| Tardeo ... ... | .. | 4 | ... | 21 | 12 | 1 | ... | ... | ... | 35 | ... | ... | 1 | ... | 2 | 76 |
| Girgaum ... ... | 1 | 12 | ... | 92 | 17 | 2 | ... | ... | ... | 52 | ... | .. | ... | ... | 2 | 178 |
| Chowpati ... ... | .. | 1 | ... | 20 | 11 | 1 | ... | ... | ... | 23 | ... | ... | ... | ... | 2 | 58 |
| Walkeshwar ... ... | .. | 3 | ... | 11 | 7 | 2 | ... | ... | ... | 6 | ... | ... | ... | ... | 1 | 30 |
| Mahalakshmi ... ... | ... | 21 | ... | 33 | 31 | ... | ... | ... | ... | 52 | .. | ... | ... | ... | 6 | 143 |
| Mazagon ... ... | 3 | 22 | ... | 27 | 8 | 3 | ... | ... | ... | 45 | ... | ... | 1 | ... | 3 | 112 |
| Tarwadi ... ... | 1 | 19 | ... | 34 | 14 | 1 | ... | ... | ... | 43 | ... | ... | 1 | ... | 2 | 115 |
| 1st Nagpada ... ... | ... | 5 | ... | 24 | 13 | ... | ... | ... | ... | 22 | ... | ... | ... | ... | 5 | 69 |
| 2nd Nagpada ... ... | ... | 3 | ... | 10 | 14 | ... | ... | ... | ... | 52 | ... | ... | 1 | ... | 11 | 91 |
| Kamathipura ... ... | ... | 6 | ... | 17 | 10 | 1 | ... | ... | .. | 43 | ... | ... | ... | ... | ... | 77 |
| Byculla ... ... | 6 | 58 | 1 | 159 | 97 | 4 | ... | ... | ... | 147 | ... | ... | 1 | ... | 5 | 478 |
| Parel ... ... | 2 | 22 | ... | 50 | 43 | 6 | ... | ... | ... | 106 | ... | ... | ... | ... | 23 | 252 |
| Sewri ... ... | ... | 8 | ... | 11 | 7 | 3 | ... | ... | ... | 49 | ... | ... | ... | ... | 2 | 80 |
| Naigaum ... ... | ... | 3 | ... | 27 | 23 | 1 | ... | ... | ... | 178 | ... | ... | 1 | ... | 2 | 235 |
| Matunga ... ... | ... | 5 | ... | 26 | 39 | ... | ... | ... | ... | 30 | ... | ... | ... | ... | 1 | 101 |
| Sion ... ... | ... | 3 | ... | 26 | 16 | ... | ... | ... | ... | 47 | 21 | ... | ... | ... | 4 | 117 |
| Dadar ... ... | ... | 10 | ... | 42 | 45 | 1 | ... | ... | ... | 77 | ... | ... | ... | ... | 1 | 176 |
| Mahim ... ... | ... | 4 | ... | 33 | 35 | ... | ... | ... | ... | 52 | ... | ... | ... | ... | ... | 124 |
| Prabhadevi ... ... | ... | 5 | ... | 45 | 22 | 3 | ... | ... | ... | 68 | ... | ... | 1 | ... | 1 | 145 |
| Worli ... ... | ... | 7 | ... | 48 | 13 | 1 | ... | ... | ... | 55 | ... | ... | ... | ... | 1 | 125 |
| Chinchpokli ... ... | ... | 16 | ... | 59 | 16 | 3 | ... | ... | ... | 70 | ... | ... | 1 | ... | ... | 165 |
| Love Grove ... ... | ... | 1 | .. | 3 | 2 | ... | ... | ... | ... | 2 | ... | ... | ... | ... | 1 | 9 |
| Harbour, Docks, etc. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 14 | 378 | 2 | 1,567 | 698 | 45 | ... | ... | 1 | 2,091 | 21 | ... | 11 | ... | 116 | 4,944 |
| Average of the last 5 years (1947 to 1951) | 98 | 857 | 9 | 2,119 | 418 | 26 | ... | ... | 3 | 2,302 | 49 | 1 | 39 | ... | 33 | 5,954 |

TABLE 44

RAT DESTRUCTION WORK.

| Months. | No. of rats sent to the Haffkine Institute. | No. of rats examined. | | No. of Rats found infected. | Ratio per cent. |
|---|---|---|---|---|---|
| | | Alive. | Ddad. | | |
| January .. | 99,642 | .. | 698 | *Nil.* | |
| February .. | 93,409 | .. | 598 | .. | |
| March .. | 94,021 | .. | 544 | .. | |
| April .. | 91,743 | .. | 568 | .. | |
| May .. | 86,617 | .. | 552 | .. | |
| June .. | 82,521 | .. | 453 | .. | |
| July .. | 83,284 | .. | 417 | .. | |
| August .. | 84,771 | 139 | 308 | 3 | |
| September .. | 1,00,732 | 498 | 419 | *Nil.* | |
| October .. | 1,02,323 | 39 | 299 | .. | |
| November .. | 99,352 | .. | 204 | .. | |
| December .. | 1,06,785 | .. | 66 | .. | |
| Total .. | 11,25,200 | 676 | 5,126 | 3 | |

TABLE 45

FLEACOUNT WORK.

| Ward. | Number of plea counts carried out. | Number of flea counts with zero index. | Average flea index during the whole period. |
|---|---|---|---|
| (1) | (2) | (3) | (4) |
| A, North ... | 38 | 25 | 0.34 |
| A, South ... | 9 | 5 | 0.88 |
| B .. | 21 | 20 | 0.02 |
| C ... | 8 | 5 | 1.00 |
| F ... | 18 | 6 | 0.40 |
| G, South ... | 34 | 23 | 0.78 |
| N ... | 24 | 10 | 0.60 |
| B. P. T. ... | 18 | 14 | 0.01 |

Average flea index for the whole City including Suburbs :—0.27.

## TABLE 46

STATEMENT SHOWING SMALL-POX ATTACKS AND DEATHS BY MONTHS FROM 1933 TO 1952.

| Year | | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total | Death rate | Fatality rate | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1933 | A. | 692 | 1,484 | 1,376 | 542 | 229 | 73 | 24 | 14 | ... | 4 | 6 | 19 | 4,463 | 2.3 | 59.6 | Epidemic period from 17-12-1932 to 3-6-1933 6 months and 18 days. |
| | D. | 394 | 889 | 775 | 328 | 168 | 59 | 17 | 8 | ... | 4 | 6 | 11 | 2,659 | | | |
| 1934 | A. | 43 | 48 | 51 | 42 | 29 | 10 | 6 | 5 | 13 | 9 | 5 | 22 | 283 | 0.1 | 53.7 | Sporadic. |
| | D. | 16 | 22 | 28 | 29 | 13 | 8 | 3 | 4 | 7 | 5 | 3 | 14 | 152 | | | |
| 1935 | A. | 127 | 221 | 412 | 465 | 300 | 195 | 112 | 55 | 25 | 12 | 19 | 34 | 1,977 | 1.1 | 63.1 | From 2-2-1935 to 6-7-1935 5 months and 4 days. |
| | D. | 71 | 118 | 263 | 278 | 203 | 140 | 70 | 40 | 15 | 6 | 11 | 24 | 1,148 | | | |
| 1936 | A. | 110 | 238 | 308 | 336 | 194 | 101 | 58 | 28 | 17 | 11 | 3 | 7 | 1,411 | 0.8 | 64.2 | From 22-2-36 to 6-6-36 3 months and 16 days. |
| | D. | 64 | 139 | 190 | 228 | 131 | 71 | 35 | 21 | 14 | 6 | 3 | 4 | 906 | | | |
| 1937 | A. | 29 | 50 | 80 | 152 | 133 | 115 | 90 | 46 | 54 | 34 | 89 | 325 | 1,197 | 0.6 | 57.5 | From 19-12-37 to 14-5-38 4 months and 26 days. |
| | D. | 16 | 30 | 62 | 79 | 90 | 81 | 59 | 32 | 24 | 20 | 39 | 156 | 688 | | | |
| 1938 | A. | 678 | 965 | 903 | 403 | 167 | 53 | 36 | 13 | 8 | 5 | ... | 2 | 3,233 | 1.6 | 57.6 | |
| | D. | 356 | 549 | 509 | 248 | 116 | 38 | 30 | 12 | 2 | 1 | ... | 1 | 1,862 | | | |
| 1939 | A. | 15 | 20 | 60 | 50 | 48 | 44 | 40 | 29 | 7 | 6 | 12 | 37 | 368 | 0.2 | 54.6 | Sporadic. |
| | D. | 9 | 15 | 25 | 19 | 25 | 26 | 29 | 19 | 1 | 5 | 8 | 20 | 201 | | | |
| 1940 | A. | 115 | 184 | 235 | 390 | 276 | 172 | 95 | 29 | 22 | 32 | 65 | 115 | 1,730 | 0.7 | 48.2 | From 31-3-1940 to 15-6-40 2 months and 16 days. |
| | D. | 43 | 78 | 106 | 182 | 143 | 103 | 61 | 17 | 10 | 18 | 19 | 54 | 834 | | | |
| 1941 | A. | 345 | 646 | 581 | 308 | 199 | 108 | 30 | 30 | 14 | 15 | 4 | 35 | 2,325 | 0.8 | 55.6 | From 19-1-41 to 19-4-41 3 months and 19 days. |
| | D. | 171 | 317 | 323 | 189 | 140 | 64 | 25 | 24 | 8 | 7 | 10 | 18 | 1,293 | | | |
| 1942 | A. | 166 | 257 | 603 | 338 | 57 | 14 | 6 | 3 | ... | 3 | 2 | 5 | 1,454 | 0.4 | 40.6 | From 8-3-42 to 18-4-42 1 month and 11 days. |
| | D. | 70 | 141 | 220 | 116 | 33 | 4 | 2 | 2 | ... | ... | ... | 3 | 591 | | | |
| 1943 | A. | 28 | 71 | 200 | 169 | 152 | 106 | 90 | 71 | 88 | 70 | 76 | 197 | 1,318 | 0.3 | 39.4 | Sporadic. |
| | D. | 10 | 26 | 73 | 56 | 78 | 48 | 31 | 32 | 42 | 35 | 25 | 63 | 519 | | | |
| 1944 | A. | 625 | 1,032 | 1,194 | 577 | 187 | 62 | 36 | 13 | 3 | 3 | 3 | 6 | 3,741 | 0.9 | 37.1 | From 15-1-44 to 29-4-44 3 months and 15 days. |
| | D. | 202 | 411 | 421 | 188 | 103 | 33 | 24 | 3 | ... | ... | 2 | 4 | 1,391 | | | |
| 1945 | A. | 14 | 22 | 58 | 83 | 67 | 60 | 44 | 34 | 31 | 31 | 36 | 123 | 603 | 0.1 | 38.9 | Sporadic. |
| | D. | 7 | 4 | 11 | 27 | 26 | 33 | 15 | 17 | 9 | 15 | 12 | 50 | 235 | | | |
| 1946 | A. | 256 | 556 | 762 | 621 | 174 | 44 | 10 | 1 | 3 | .. | 3 | 1 | 2,431 | 0.6 | 35.2 | Sporadic. |
| | D. | 124 | 256 | 225 | 193 | 36 | 22 | 2 | ... | ... | ... | ... | ... | 858 | | | |
| 1947 | A. | 6 | 2 | 2 | 5 | 8 | 6 | 7 | 5 | 5 | 4 | 6 | 6 | 62 | 0.0 | 29.0 | Sporadic |
| | D. | 1 | ... | ... | 1 | 1 | ... | 2 | 2 | 2 | 1 | 4 | 4 | 18 | | | |
| 1948 | A. | 20 | 43 | 108 | 161 | 82 | 44 | 32 | 14 | 16 | 10 | 9 | 19 | 558 | 0.1 | 29.0 | Sporadic. |
| | D. | 7 | 10 | 35 | 35 | 22 | 13 | 15 | 9 | 6 | 4 | ... | 6 | 162 | | | |
| 1949 | A. | 52 | 229 | 481 | 621 | 203 | 45 | 36 | 19 | 6 | 9 | 19 | 44 | 1,764 | 0.4 | 31.9 | Sporadic. |
| | D. | 16 | 68 | 184 | 155 | 65 | 31 | 18 | 4 | 2 | 2 | 7 | 11 | 563 | | | |
| 1950 | A. | 78 | 145 | 207 | 113 | 78 | 51 | 26 | 19 | 10 | 9 | 17 | 63 | 816 | 0.1 | 28.3 | Sporadic. |
| | D. | 21 | 26 | 55 | 42 | 32 | 19 | 7 | 4 | 1 | 1 | 4 | 19 | 231 | | | |
| 1951 | A. | 97 | 218 | 313 | 231 | 122 | 48 | 20 | 6 | 4 | 6 | 8 | 10 | 1,083 | 0.1 | 30.0 | Sporadic. |
| | D. | 28 | 55 | 84 | 71 | 38 | 19 | 9 | 4 | 1 | 1 | 2 | 2 | 314 | | | |
| 1952 | A. | 13 | 46 | 96 | 88 | 58 | 25 | 12 | 3 | 7 | 6 | 6 | 18 | 378 | 0.0 | 31.7 | Sporadic. |
| | D. | 3 | 11 | 24 | 33 | 21 | 9 | 4 | 2 | 2 | ... | 1 | 10 | 120 | | | |

## TABLE 47

NUMBER OF CASES OF ENTERIC FEVER REPORTED IN EACH MONTH IN 1952.

| Disease. | Months. | | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan. | Feb. | Mar. | April | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Enteric Fever | 139 | 40 | 108 | 110 | 212 | 192 | 130 | 155 | 156 | 126 | 115 | 84 | 1,567 |

## TABLE 48

PARTICULARS RELATING TO ENTERIC FEVER SINCE 1941.

| | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Attacks ... | 1,123 | 1,018 | 1,562 | 1,008 | 1,329 | 988 | 1,664 | 3,156 | 3,426 | 1,338 | 1,009 | 1,567 |
| Deaths ... | 554 | 375 | 567 | 459 | 616 | 513 | 686 | 1,038 | 1,128 | 403 | 262 | 428 |
| Fatality rate ... | 49.3 | 36.8 | 36.3 | 45.5 | 46.3 | 51.9 | 41.2 | 32.8 | 32.8 | 30.1 | 26.0 | 27.3 |
| Death-rate ... | 0.4 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 | 0.5 | 0.7 | 0.7 | 0.2 | 0.1 | 0.2 |
| Hospitalisation ... | 765 | 841 | 1,348 | 927 | 1,306 | 911 | 1,568 | 2,971 | 3,132 | 1,227 | 899 | 956 |
| Cases notified by medical practitioners. ... | 234 | 126 | 214 | 148 | 233 | 77 | 96 | 185 | 385 | 906 | 110 | 611 |
| Inoculations ... | 11,032 | 14,470 | 62,891 | 84,927 | 27,879 | 2,27,296 | 1,92,304 | 3,75,991 | 5,55,717 | 2,38,155 | 2,26,890 | 3,11,859 |
| Attack-rate ... | 0.8 | 0.7 | 1.0 | 0.7 | 0.9 | 0.7 | 1.1 | 2.1 | 2.3 | 0.6 | 0.4 | 0.7 |

TABLE

DEATHS BY CAUSES

| Classification Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 M | 13 F | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sections. | Typhoid and Para Typhoid Fever(1-2). | Cerebro-Spinal Fever (6) | Scarlet Fever (8) | Whooping Cough (9) | Diphtheria (10) | Tuberculosis of Respiratory System (13) | Other forms of Tuberculosis (14-22). | Syphilitic disease (30) | Influenza (33) | Measles (35) | Acute Poliomyelitis & Polio Encephalitis (36) | Acute infectious Encephalitis (37) | Cancer of buccal cavity and Oesophagus (45, 46A) males | Cancer of uterus (48) | Cancer of Stomach and duodenum (46B) | Cancer of breast (50) | Cancer of all other sites (45-46A females, 46c-h, 47 49, 51-55) | Diabetes (61) | Intra-Cranial Vascular Lesions (63) | Heart Disease (90-95) | Other diseases of circulatory System (96-103) | Bronchitis (106) | Pneumonia (107-109) | Other Respiratory diseases (104, 105, 110-114 |
| Upper Colaba ... | ... | ... | ... | ... | ... | 3 | 2 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 3 | ... | ... | 1 | ... | ... | 4 | 2 |
| Middle & Lower Colaba | 3 | ... | ... | ... | 3 | 19 | 10 | 2 | ... | 1 | 1 | ... | 3 | 1 | 1 | 3 | 6 | 4 | 7 | 35 | 4 | 6 | 133 | 16 |
| Fort, Southern ... | 4 | ... | ... | ... | ... | 12 | 5 | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | 3 | ... | 3 | 11 | 1 | 3 | 23 | 4 |
| Fort, Northern ... | 4 | 1 | ... | ... | 5 | 29 | 26 | ... | ... | 1 | 1 | ... | 2 | ... | 1 | ... | 8 | 4 | 10 | 25 | 3 | 2 | 77 | 7 |
| Esplanade ... | 6 | ... | ... | ... | 1 | 77 | 11 | ... | ... | ... | ... | ... | 3 | 1 | 2 | ... | 5 | 2 | 9 | 25 | 5 | 1 | 96 | 12 |
| Mandvi ... | 10 | ... | ... | ... | 2 | 33 | 7 | ... | ... | 2 | ... | ... | 1 | ... | 3 | ... | 7 | 1 | 11 | 21 | 4 | 2 | 139 | 25 |
| Chukla ... | 8 | ... | ... | ... | 3 | 30 | 8 | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | 4 | 1 | 4 | 13 | ... | 2 | 54 | 20 |
| Umarkhadi ... | 15 | ... | ... | ... | 2 | 53 | 34 | 1 | ... | ... | 1 | ... | 1 | ... | 1 | 1 | 8 | 3 | 12 | 24 | 6 | 7 | 122 | 32 |
| Dongri ... | 7 | ... | ... | ... | 4 | 36 | 11 | 1 | ... | 2 | 1 | ... | 2 | 1 | 1 | 1 | 5 | 1 | 8 | 18 | 2 | 2 | 118 | 8 |
| Khara Talao ... | 9 | ... | ... | ... | 1 | 28 | 14 | ... | ... | 3 | 3 | ... | 1 | 1 | ... | ... | 6 | 4 | 10 | 19 | 3 | 7 | 135 | 14 |
| Kumbharwada ... | 11 | ... | ... | ... | 3 | 23 | 24 | ... | ... | 5 | ... | ... | 2 | ... | 2 | ... | 10 | 1 | 5 | 8 | 2 | 1 | 135 | 70 |
| Bhuleshwar ... | 17 | ... | ... | ... | 1 | 32 | 32 | 2 | ... | 3 | ... | ... | 3 | 1 | 1 | ... | 16 | 2 | 12 | 25 | 2 | 4 | 232 | 23 |
| Market ... | 25 | 1 | ... | ... | ... | 29 | 17 | 1 | ... | ... | ... | ... | 5 | 2 | 1 | ... | 13 | ... | 10 | 24 | 6 | 2 | 90 | 26 |
| Dhobi Talao ... | 25 | ... | ... | ... | 2 | 52 | 31 | ... | 1 | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 10 | 2 | 15 | 37 | 3 | 3 | 182 | 39 |
| Fanaswadi ... | 26 | ... | ... | ... | 1 | 30 | 24 | ... | ... | ... | 1 | ... | 2 | 2 | 2 | ... | 11 | 2 | 9 | 26 | 4 | 5 | 105 | 26 |
| Khetwadi ... | 25 | ... | ... | ... | 5 | 59 | 22 | 1 | ... | 5 | 3 | ... | 7 | 2 | ... | 1 | 25 | 5 | 18 | 52 | 4 | 3 | 159 | 38 |
| Tardeo ... | 7 | 1 | ... | ... | 5 | 38 | 14 | 3 | ... | 1 | ... | ... | 2 | ... | 3 | ... | 4 | 1 | 6 | 17 | 6 | 3 | 159 | 14 |
| Girgaum ... | 27 | ... | ... | ... | 1 | 52 | 31 | ... | ... | 3 | 1 | ... | 6 | ... | 2 | ... | 14 | 4 | 19 | 31 | 6 | 8 | 126 | 25 |
| Chaupati ... | 6 | ... | ... | ... | 2 | 16 | 5 | ... | ... | ... | .. | ... | ... | 2 | ... | ... | 9 | 1 | 14 | 19 | 3 | 2 | 23 | 12 |
| Walkeshwar ... | 8 | ... | ... | ... | 1 | 15 | 1 | 1 | ... | ... | 1 | ... | 3 | ... | 1 | ... | 14 | 1 | 7 | 20 | 5 | 2 | 54 | 14 |
| Mahalakshmi ... | 10 | ... | ... | ... | 5 | 58 | 29 | ... | 1 | 14 | ... | ... | 3 | 3 | 3 | ... | 27 | 3 | 30 | 49 | 6 | 1 | 247 | 30 |
| Mazagaon ... | 10 | ... | ... | 2 | 1 | 35 | 21 | 1 | ... | 2 | ... | ... | 1 | ... | 3 | 1 | 4 | 2 | 10 | 18 | 4 | 6 | 333 | 4 |
| Tarwadi ... | 4 | 1 | ... | 1 | 1 | 34 | 19 | 3 | ... | 1 | 1 | ... | 1 | ... | 3 | ... | 2 | 2 | 9 | 16 | 1 | 2 | 221 | 6 |
| 1st Nagpada ... | 3 | ... | ... | ... | ... | 15 | 9 | 1 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 2 | 8 | ... | 1 | 120 | 2 |
| 2nd Nagpada ... | 11 | 1 | ... | ... | ... | 509 | 35 | 3 | ... | 2 | 2 | 1 | 3 | 3 | 1 | ... | 17 | 3 | 15 | 45 | 6 | 3 | 178 | 18 |
| Kamathipura ... | 6 | ... | ... | ... | 1 | 29 | 36 | 2 | ... | 1 | ... | ... | 2 | 1 | ... | ... | 2 | ... | 6 | 8 | 3 | 10 | 263 | 7 |
| Byculla ... | 30 | 1 | ... | ... | 14 | 90 | 51 | 2 | ... | 1 | ... | 1 | 4 | 1 | 2 | 2 | 13 | 10 | 20 | 44 | 7 | 7 | 430 | 70 |
| Parel ... | 17 | ... | ... | 1 | 2 | 40 | 61 | 2 | ... | 2 | ... | ... | 4 | 2 | 7 | ... | 23 | 3 | 13 | 29 | 7 | 5 | 3:3 | 30 |
| Sewri ... | 5 | 1 | ... | ... | 1 | 27 | 11 | 2 | ... | 1 | 1 | ... | ... | ... | ... | ... | 1 | ... | 2 | 6 | ... | 2 | 279 | 12 |
| Naigaum ... | 9 | ... | ... | ... | 5 | 58 | 30 | 1 | ... | 2 | ... | ... | ... | 2 | 1 | 1 | 7 | ... | 7 | 22 | 1 | 3 | 280 | 13 |
| Matunga ... | 5 | ... | ... | ... | 3 | 16 | 10 | 1 | ... | ... | ... | ... | 5 | 4 | 1 | 1 | 10 | 4 | 17 | 28 | 6 | 3 | 66 | 12 |
| Sion ... | 12 | ... | ... | 1 | 2 | 35 | 18 | 1 | ... | 1 | 1 | ... | 3 | 1 | 1 | ... | 12 | ... | 4 | 13 | 4 | 6 | 313 | 15 |
| Dadar ... | 16 | 1 | ... | 1 | 7 | 33 | 30 | 3 | ... | 4 | ... | ... | 1 | ... | 1 | ... | 8 | ... | 6 | 21 | 2 | 3 | 231 | 18 |
| Mahim ... | 11 | ... | ... | 1 | 4 | 51 | 22 | 3 | ... | ... | ... | ... | 7 | 3 | ... | 3 | 14 | 3 | 10 | 24 | 4 | ... | 107 | 16 |
| Parbhadevi ... | 9 | ... | ... | 1 | 5 | 36 | 27 | 2 | ... | ... | ... | ... | 2 | 2 | 1 | 1 | 7 | ... | 5 | 19 | 2 | 3 | 371 | 74 |
| Worli ... | 13 | ... | ... | ... | 5 | 23 | 32 | 2 | ... | 1 | 1 | ... | 2 | ... | 3 | 1 | 1 | 1 | 9 | 19 | 1 | 6 | 544 | 89 |
| Chinchpokli ... | 14 | 1 | ... | ... | 3 | 43 | 20 | 3 | ... | 2 | ... | ... | 2 | 1 | 1 | 1 | 7 | 1 | 9 | 10 | 2 | 6 | 482 | 79 |
| Love Grove .. | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | 28 | 8 |
| Harbour, Docks etc. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Total ... | 428 | 9 | ... | 8 | 101 | 1803 | 790 | 44 | 2 | 63 | 20 | 3 | 85 | 39 | 54 | 20 | 336 | 71 | 363 | 833 | 125 | 132 | 6972 | 930 |
| Classification Number. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 M | 13 F | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

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AND SECTIONS IN 1952.

| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Other defined Diseases | | | | | | | | | | | | | | |
| Ulceration of stomach or duodenum (117) | Diarrhoea (119, 120) | Appendicitis (121) | Other Digestive Diseases (115, 116, 118, 122-129) | Nephritis (130-132) | Puerperal and Post abortive Sepsis (140, 147) | Other Maternal Causes (141-146, 148-150). | Premature birth (159). | Congenital malformation, birth injury (157, 158, 160, 161) | Suicide (163, 164). | Road traffic accident (170-171). | Other Violent Causes (165-169, 172-198) | A | B | C | D | E | F | G | H | J | K | L | M | Still-born. | TOTAL. | |
| | | | | | | | | | | | | Small-pox (34). | Plague (3). | Kala Azar (29). | Malaria (28A). | Ague and Remittent fever (28B) | Relapsing fever (31). | Fever not Defined (200.2a). | Cholera (4). | Dysentery (27). | Leprosy (23). | Senility and old age (162) | All other causes | | | |
| | 1 | ... | 2 | ... | ... | ... | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 2 | 5 | 6 | 34 | |
| ... | 20 | ... | 12 | 7 | ... | ... | 32 | 43 | ... | 3 | 16 | 2 | ... | ... | 3 | ... | ... | 2 | ... | 2 | ... | 43 | 135 | 63 | 563 | |
| ... | 2 | ... | 3 | 2 | ... | 1 | 1 | 9 | ... | ... | 8 | 2 | ... | ... | 1 | ... | ... | 3 | ... | 1 | ... | 8 | 31 | 10 | 144 | |
| ... | 18 | 1 | 15 | 10 | ... | ... | 29 | 41 | 1 | 1 | 22 | 5 | ... | ... | ... | 1 | ... | 3 | ... | 4 | ... | 46 | 98 | 37 | 501 | |
| ... | 20 | ... | 24 | 10 | ... | 1 | 36 | 36 | ... | 3 | 24 | 1 | ... | ... | 1 | ... | ... | 4 | ... | 7 | ... | 31 | 116 | 47 | 570 | |
| ... | 24 | 1 | 12 | 5 | 1 | 1 | 31 | 30 | ... | 4 | 23 | 1 | ... | ... | 2 | ... | ... | 1 | ... | 21 | ... | 51 | 140 | 60 | 616 | |
| 1 | 15 | ... | 4 | 3 | 1 | ... | 13 | 15 | ... | 1 | 7 | ... | ... | ... | 1 | ... | ... | 3 | ... | 7 | ... | 24 | 73 | 22 | 317 | |
| 3 | 39 | 2 | 23 | 7 | 1 | 5 | 33 | 119 | 1 | 5 | 23 | 2 | 1 | ... | 1 | ... | ... | 3 | ... | 5 | ... | 118 | 384 | 76 | 1,098 | |
| 1 | 27 | ... | 10 | 2 | 1 | ... | 20 | 47 | ... | 2 | 15 | 3 | ... | ... | ... | ... | ... | 5 | ... | 1 | ... | 60 | 112 | 47 | 535 | |
| ... | 23 | ... | 6 | 4 | ... | 4 | 20 | 27 | ... | 1 | 15 | 2 | ... | ... | ... | 1 | ... | 1 | ... | 1 | ... | 21 | 186 | 38 | 567 | |
| 1 | 9 | 1 | 10 | 2 | ... | 1 | 34 | 42 | ... | 1 | 15 | 7 | ... | ... | 2 | ... | ... | 2 | ... | 3 | ... | 19 | 175 | 51 | 626 | |
| 1 | 28 | 1 | 19 | 7 | ... | 3 | 34 | 48 | ... | 5 | 31 | 3 | ... | ... | 2 | ... | ... | 6 | ... | 3 | ... | 56 | 260 | 83 | 915 | |
| ... | 20 | 2 | 30 | 2 | ... | 2 | 33 | 44 | ... | 2 | 32 | 3 | ... | 1 | ... | 1 | ... | 7 | ... | 7 | ... | 42 | 119 | 60 | 599 | |
| ... | 34 | ... | 30 | 14 | ... | 1 | 38 | 126 | ... | 8 | 31 | 9 | ... | ... | 1 | ... | ... | 7 | ... | 4 | ... | 105 | 165 | 94 | 986 | |
| 1 | 11 | 2 | 21 | 7 | ... | ... | 28 | 54 | ... | 1 | 13 | 2 | ... | ... | ... | 1 | ... | 3 | ... | 7 | ... | 83 | 145 | 45 | 655 | |
| 1 | 35 | ... | 25 | 14 | 1 | 1 | 42 | 55 | ... | 4 | 33 | 1 | ... | ... | 1 | 1 | ... | 10 | ... | 17 | ... | 86 | 211 | 99 | 972 | |
| ... | 21 | ... | 13 | 3 | 2 | 2 | 45 | 44 | ... | ... | 21 | 2 | ... | ... | 2 | 1 | ... | 5 | ... | 3 | ... | 105 | 196 | 49 | 749 | |
| ... | 28 | 1 | 35 | 7 | ... | 3 | 42 | 39 | ... | 2 | 23 | 3 | ... | 1 | ... | 1 | ... | 9 | ... | 13 | ... | 73 | 168 | 92 | 804 | |
| 1 | 10 | ... | 4 | 7 | ... | 2 | 21 | 22 | ... | 1 | 14 | ... | ... | ... | ... | ... | ... | 4 | ... | 2 | ... | 18 | 53 | 33 | 273 | |
| ... | 5 | 1 | 11 | 9 | ... | 1 | 20 | 40 | ... | ... | 17 | 2 | ... | ... | 1 | 1 | ... | 3 | ... | 1 | 1 | 32 | 72 | 44 | 365 | |
| 1 | 42 | ... | 28 | 17 | 2 | 6 | 51 | 97 | ... | 4 | 38 | 4 | ... | ... | 1 | ... | ... | 12 | ... | 14 | ... | 106 | 270 | 105 | 1,212 | |
| 2 | 20 | 1 | 14 | 7 | ... | 1 | 65 | 93 | ... | 6 | 49 | 11 | ... | ... | 1 | ... | ... | 4 | 2 | 7 | ... | 82 | 308 | 101 | 1,131 | |
| ... | 16 | ... | 7 | 4 | ... | 2 | 27 | 49 | ... | 3 | 25 | 9 | ... | 1 | 1 | ... | ... | 8 | ... | 1 | ... | 54 | 179 | 61 | 714 | |
| ... | 14 | ... | 5 | ... | ... | ... | 14 | 28 | ... | 3 | 15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40 | 107 | 41 | 388 | |
| 2 | 35 | ... | 43 | 11 | ... | 1 | 44 | 69 | 6 | 28 | 299 | 1 | 1 | ... | ... | ... | ... | 3 | ... | 12 | 9 | 139 | 357 | 109 | 1,916 | |
| 1 | 79 | ... | 12 | 4 | ... | 3 | 50 | 114 | 1 | 1 | 21 | 2 | ... | ... | 3 | ... | ... | 8 | ... | 4 | ... | 104 | 418 | 93 | 1,202 | |
| 2 | 86 | 1 | 34 | 12 | 2 | 4 | 93 | 267 | ... | 7 | 53 | 16 | ... | ... | 2 | 8 | ... | 33 | 1 | 14 | ... | 263 | 606 | 197 | 2,304 | |
| 1 | 71 | ... | 37 | 14 | ... | 3 | 80 | 222 | 1 | 6 | 52 | 7 | ... | ... | 1 | ... | ... | 9 | 2 | 2 | ... | 164 | 418 | 208 | 1,671 | |
| ... | 21 | ... | 11 | ... | 1 | 3 | 26 | 171 | ... | 3 | 21 | 2 | ... | ... | ... | ... | ... | 4 | ... | 7 | ... | 94 | 213 | 99 | 928 | |
| ... | 37 | ... | 13 | 3 | 2 | 1 | 50 | 191 | 1 | 7 | 41 | 1 | ... | ... | 3 | ... | ... | 2 | ... | 5 | ... | 120 | 297 | 127 | 1,216 | |
| ... | 16 | 2 | 19 | 9 | ... | 4 | 32 | 38 | ... | 1 | 21 | 1 | ... | ... | ... | ... | ... | 13 | ... | 3 | 1 | 46 | 124 | 60 | 522 | |
| 1 | 101 | ... | 24 | 2 | ... | 1 | 54 | 189 | ... | 3 | 45 | ... | ... | ... | 3 | ... | ... | 21 | ... | 9 | 53 | 94 | 253 | 122 | 1,220 | |
| 1 | 63 | 1 | 21 | 7 | 1 | 6 | 74 | 479 | ... | 4 | 62 | 1 | ... | ... | 3 | 1 | ... | 8 | 1 | 18 | 2 | 169 | 540 | 164 | 1,848 | |
| ... | 25 | ... | 18 | 8 | ... | ... | 56 | 153 | 1 | 5 | 37 | 3 | ... | ... | 1 | 1 | ... | 3 | ... | 10 | ... | 136 | 328 | 111 | 1,068 | |
| 1 | 29 | ... | 15 | 2 | 1 | 2 | 57 | 175 | ... | 5 | 46 | 3 | ... | ... | 3 | ... | ... | 7 | ... | 2 | ... | 139 | 498 | 159 | 1,552 | |
| 1 | 34 | ... | 6 | 2 | ... | 2 | 73 | 155 | 1 | 9 | 57 | 5 | ... | ... | 2 | ... | ... | 6 | ... | 6 | ... | 91 | 525 | 169 | 1,713 | |
| ... | 39 | ... | 18 | 2 | 1 | 4 | 71 | 189 | 1 | 7 | 48 | 4 | ... | ... | ... | ... | ... | 7 | ... | 5 | ... | 132 | 476 | 142 | 1,691 | |
| ... | 2 | ... | 2 | ... | ... | ... | 5 | 4 | ... | ... | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 19 | 7 | 75 | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | |
| 23 | 1117 | 17 | 636 | 226 | 17 | 71 | 1474 | 3576 | 14 | 146 | 1236 | 120 | 2 | 3 | 42 | 18 | ... | 230 | 6 | 228 | 66 | 2998 | 8 789 | 3.151 | 34,837 | |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | A | B | C | D | E | F | G | H | J | K | L | M | Still-born. | Total. | |

## TABLE 50

## COMPARATIVE TABLE OF DEATHS FROM SOME OF THE PRINCIPAL CAUSES AND BIRTHS DURING 1952 AND THE PRECEDING 10 YEARS.

| Year. | Births (excluding still-births). | | Total Deaths. | | Plague. | | Small-pox. | | Measles. | | Cholera. | | Influenza. | | Enteric Fever. | | Malaria. | | Ague and Remittent Fever. | | Tuberculosis. | | Diarrhoea, Enteritis and Dysentery. | | Respiratory Diseases. | | Maternal Deaths. | | Deaths under 1 year. | | Deaths of Children (1 to 5 years.) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. | No. Registered. | Rate per 1,000. Births Registered. | No. Registered. | Rate per 1,000. Births Registered. | No. Registered. | Percentage to total deaths. | Still-born. |
| 1942 ... | 31,536 | 21.2 | 25,177 | 16.9 | ... | 0.0 | 591 | 0.4 | 186 | 0.0 | ... | 0.0 | 28 | 0.0 | 375 | 0.2 | 109 | 0.1 | 400 | 0.3 | 1,581 | 1.0 | 1,132 | 0.8 | 7,698 | 5.2 | 122 | 3.6 | 6,164 | 195.4 | 3,825 | 15.2 | 2,009 |
| 1943 ... | 44,015 | 29.5 | 34,165 | 22.9 | 2 | 0.0 | 519 | 0.3 | 303 | 0.2 | 9 | 0.0 | 53 | 0.0 | 567 | 0.4 | 154 | 0.1 | 797 | 0.5 | 1,950 | 1.3 | 1,744 | 1.2 | 11,139 | 7.5 | 143 | 3.0 | 8,690 | 197.4 | 6,146 | 18.2 | 3,129 |
| 1944 ... | 56,907 | 38.2 | 41,882 | 28.1 | ... | 0.0 | 1,391 | 0.9 | 734 | 0.5 | ... | 0.0 | 37 | 0.0 | 459 | 0.3 | 160 | 0.1 | 859 | 0.6 | 2,006 | 1.3 | 1,735 | 1.2 | 13,990 | 9.4 | 194 | 3.4 | 11,552 | 203.0 | 7,484 | 17.8 | 3,374 |
| 1945 ... | 53,170 | 35.7 | 40,215 | 27.0 | 8 | 0.0 | 235 | 1.15 | 160 | 0.1 | 30 | 0.0 | 32 | 0.0 | 616 | 0.4 | 96 | 0.06 | 1,008 | 0.7 | 1,981 | 1.3 | 1,701 | 1.2 | 13,771 | 8.6 | 133 | 2.5 | 10,125 | 190.3 | 7,418 | 18.4 | 3,398 |
| 1946 ... | 53,469 | 35.9 | 41,264 | 27.7 | 4 | 0.0 | 858 | 0.6 | 625 | 0.4 | 2 | 0.0 | 14 | 0.0 | 513 | 0.3 | 94 | 0.1 | 1,048 | 0.7 | 1,914 | 1.3 | 1,411 | 0.9 | 13,346 | 9.0 | 148 | 2.7 | 10,446 | 195.4 | 7,111 | 17.2 | 3,097 |
| 1947 ... | 50,833 | 34.1 | 37,619 | 25.2 | 4 | 0.0 | 18 | 0.0 | 39 | 0.0 | 29 | 0.0 | 13 | 0.0 | 686 | 0.5 | 92 | 0.06 | 731 | 0.5 | 2,125 | 1.4 | 1,749 | 1.2 | 10,632 | 7.1 | 106 | 2.1 | 8,471 | 166.6 | 6,644 | 17.7 | 2,934 |
| 1948 ... | 54,629 | 36.7 | 37,765 | 25.3 | 12 | 0.0 | 162 | 0.1 | 88 | 0.0 | 8 | 0.0 | 5 | 0.0 | 1,038 | 0.7 | 118 | 0.1 | 500 | 0.3 | 2,157 | 1.4 | 1,488 | 1.0 | 9,958 | 6.7 | 91 | 1.6 | 9,052 | 165.7 | 6,590 | 17.4 | 3,164 |
| 1949 ... | 58,081 | 39.0 | 39,935 | 26.8 | 2 | 0.0 | 563 | 0.4 | 182 | 0.1 | 1 | 0.0 | 4 | 0.0 | 1,128 | 0.8 | 89 | 0.1 | 384 | 0.2 | 2,328 | 1.5 | 1,617 | 1.1 | 10,728 | 7.2 | 171 | 2.9 | 10,120 | 174.2 | 6,945 | 12.0 | 3,324 |
| 1950 ... | 60,597 | 26.0 | 34,285 | 14.7 | 1 | 0.0 | 231 | 0.2 | 103 | 0.0 | 39 | 0.0 | 4 | 0.0 | 403 | 0.2 | 83 | 0.0 | 112 | 0.0 | 2,346 | 1.6 | 1,143 | 0.5 | 9,206 | 3.9 | 106 | 1.7 | 9,191 | 151.6 | 5,744 | 16.8 | 3,437 |
| 1951 ... | 65,679 | 28.2 | 33,841 | 14.5 | ... | 0.0 | 314 | 0.1 | 96 | 0.0 | 1 | 0.0 | 6 | 0.0 | 262 | 0.1 | 59 | 0.0 | 36 | 0.0 | 2,525 | 1.1 | 1,156 | 0.5 | 8,784 | 3.8 | 89 | 1.3 | 9,746 | 148.4 | 5,646 | 16.7 | 3,268 |
| Average of 1942-51 | 52,892 | 33.6 | 36,615 | 23.3 | 3 | 0.0 | 488 | 0.3 | 252 | 0.2 | 12 | 0.0 | 20 | 0.0 | 605 | 0.4 | 105 | 0.1 | 587 | 0.4 | 2,091 | 1.3 | 1,488 | 0.9 | 10,925 | 6.9 | 130 | 2.4 | 9,356 | 176.9 | 6,355 | 17.3 | 3,113 |
| Average of 1947-51 | 57,964 | 35.0 | 36,689 | 22.1 | 7 | 0.0 | 258 | 0.1 | 102 | 0.1 | 16 | 0.0 | 6 | 0.0 | 703 | 0.4 | 88 | 0.0 | 353 | 0.2 | 2,296 | 1.4 | 1,431 | 0.9 | 9,862 | 5.9 | 113 | 1.9 | 9,316 | 160.7 | 6,314 | 17.2 | 3,225 |
| 1952 ... | 66,125 | 28.4 | 34,337 | 14.8 | 2 | 0.0 | 120 | 0.0 | 63 | 0.0 | 6 | 0.0 | 2 | 0.0 | 428 | 0.2 | 42 | 0.0 | 18 | 0.0 | 2,595 | 1.1 | 1,345 | 0.6 | 8,034 | 3.4 | 88 | 1.3 | 9,335 | 141.2 | 60,43 | 17.6 | 3,151 |

TABLE 51

NUMBER OF CASES OF DIPHTHERIA REPORTED IN EACH MONTH IN 1952.

| Jan. | Feb. | Mar. | Apr. | May. | June | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 44 | 51 | 54 | 23 | 30 | 47 | 62 | 91 | 76 | 77 | 65 | 698 |

TABLE 52

ANNUAL DEATH RATES OF TUBERCULOSIS.

| Period. | Annual Death-rate from Tuberculosis. | | |
|---|---|---|---|
| | Pulmonary. | Other forms. | All forms. |
| 1942-1951 .. .. .. | 1.0 | 0.3 | 1.3 |
| 1947-1951 .. .. .. | 1.0 | 0.3 | 1.3 |
| 1948 .. .. .. | 1.1 | 0.3 | 1.4 |
| 1949 .. .. .. | 1.1 | 0.4 | 1.5 |
| 1950 .. .. .. | 0.7 | 0.3 | 1.0 |
| 1951 .. .. .. | 0.8 | 0.3 | 1.1 |
| 1952 .. .. .. | 0.8 | 0.3 | 1.1 |

TABLE 53

CLASSIFICATION OF DEATHS DUE TO TUBERCULOSIS ACCORDING TO SEX AND TYPE OF DISEASE.

| Year. | Deaths from Pulmonary. T. B. | Deaths from T. B. (other forms). | Total No. of deaths. | Males. | Females. |
|---|---|---|---|---|---|
| 1951 .. .. | 1777 | 748 | 2,525 | 1,581 | 944 |
| 1952 .. .. | 1805 | 790 | 2,595 | 1,642 | 953 |

TABLE 54

T. B. CASES ATTENDED AT THE THREE MUNICIPAL ANTI-T. B. CLINICS BY AGES.

| Age in years.. | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 and upwards. | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| T. B. Cases .. | 664 | 795 | 2,286 | 2,921 | 2,384 | 1,487 | 1,207 | 756 | 1,145 | 13,645 |

TABLE 55

OTHER WORK DONE AT THE THREE MUNICIPAL ANTI-T. B. CLINICS.

| | |
|---|---|
| Number of sputa examined ... ... ... ... ... | 607 |
| Number of contacts investigated ... ... ... ... ... | 4,897 |
| Number of Domiciliary Visits ... ... ... ... ... | 5,306 |
| Number of attendances ... ... ... ... ... ... | 71,867 |

X-RAY DEPARTMENT,

| | |
|---|---|
| Number of Radiograms taken ... ... ... ... ... | 159 |
| Number of Screenings done ... ... ... ... ... | 55,591 |

TABLE 56

ATTENDANCE AT THE T. B. CLINICS DURING THE YEAR 1952.

| | | | |
|---|---|---|---|
| Total new cases | | 13,645 | |
| (*a*) Pulmonary T. B. | ... | 13,597 | 99.64% |
| (*b*) Non-pulmonary T. B. | ... | 48 | 0.36% |
| Out of these 9,684 were males and 3,961 females. | | | |

TABLE 57

MUNICIPAL VENEREAL DISEASES PROPHYLAXIS CENTRES.

| Location. | | Attendance 1952. |
|---|---|---|
| (1) Anti-Venereal Clinic, 254, Bellasis Road. | | 13,213 |
| (2) Municipal Dispensary, 53, Rajwadkar Street. | ... | 88 |
| (3) Municipal Dispensary, 259, Sardar Vallabhbhai Patel Road. | ... | 450 |
| (4) Municipal Dispensary, 264, Charni Road. | ... | 527 |
| (5) Municipal Dispensary, 143, Foras Road Tram Junction. | ... | 1,273 |
| (6) Municipal Dispensary, Dharavi, 253-B, Dharavi Road. | ... | 251 |
| (7) Municipal Dispensary, 213, Delisle Road, Lower Parel. | ... | 308 |
| (8) Municipal Dispensary, 45, B. D. D. Chawl, Worli. | ... | 347 |
| Total | ... | 16,457 |

TABLE 58

MUNICIPAL V. D. CLINIC LABORATORY WORK DURING 1952.

| | | |
|---|---|---|
| Wassermann Reaction (at the Haffkine Institute, Parel, Bombay, for this Clinic) | ... | 890 |
| Fleming's Test ... ... ... ... ... ... ... ... | ... | 272 |
| Kahn's Test ... ... ... ... ... ... ... ... | ... | 5,113 |
| Meinicke's Test ... ... ... ... ... ... ... ... | ... | 1,563 |
| Dark Ground searches for Treponema Pallidum ... ... ... ... ... | ... | 162 |
| Smears for Gonorrhoea ... ... ... ... ... ... ... | ... | 6,415 |
| Miscellaneous (Blood Films and Counts, Spinal Fluid Tests, etc.) ... ... ... | ... | 28 |
| Total | ... | 14,443 |

TABLE 59

NON-VENEREAL CASES : ATTENDANCE AT THE V. D. CLINIC IN 1952.

| | Males. | Females. | Total. |
|---|---|---|---|
| (1) Skin Lesions ... ... ... ... ... | 132 | 75 | 207 |
| (2) Non-Specific Urethritis ... ... ... ... | 180 | 147 | 327 |
| (3) Non-Venereal Gynaecological Cases ... ... ... | ... | 319 | 319 |
| (4) Marriage Certificate ... ... ... ... ... | ... | ... | ... |
| (5) Fitness Certificate ... ... ... ... | 85 | ... | 85 |
| (6) Others ... ... ... ... ... ... | 76 | 7 | 83 |
| Total ... | 473 | 548 | 1,021 |

TABLE 60

SUMMARY OF CASES TREATED AT THE V. D. CLINIC (1948 to 1952)

| Year. | Syphilis. | Non-syphilitic Sores. | Gonorrhoea. | Total V. D. | Other than V. D. | No. of patients who ceased attendance before the diagnosis was completed. | Total new cases. | Cases for prophylaxis. | V. D. cases carried over from the previous year. | Total attendance. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8. | 9 | 10 | 11 |
| 1948 ... | 4,599 | 6,810 | 5,495 | 16,904 | 2,515 | 701 | 19,592 | 12,964 | 528 | 1,84,370 |
| 1949 ... | 4,689 | 7,222 | 5,505 | 17,416 | 2,148 | 720 | 19,852 | 12,010 | 432 | 1,73,422 |
| 1950 ... | 5,533 | 6,745 | 4,803 | 17,081 | 1,764 | 296 | 18,776 | 12,239 | 365 | 1,64,565 |
| 1951 ... | 6,138 | 5,715 | 4,219 | 16,072 | 1,377 | 526 | 17,589 | 12,764 | 386 | 1,53,922 |
| 1952 ... | 6,778 | 6,437 | 4,623 | 17,838 | 1,021 | 622 | 18,955 | 13,213 | 526 | 1,60,174 |

## TABLE 61

DAILY AVERAGE ATTENDANCE AT THE V. D. CLINIC IN 1952.

| | | | | | | |
|---|---|---|---|---|---|---|
| New Patients | Males ... 55.4 | Total 67.2 | Total for Diagnosis and Treatment. 635.2 | Total Daily Attendance. 671.3 | | |
| | Females... 11.8 | | | | | |
| Old patients | Males ... 401.1 | Total 568.0 | | | | |
| | Females... 166.9 | | | | | |
| Prophylaxis | Day ... 6.7 | Total 36.1 | Total for Prophylaxis. 36.1 | | | |
| | Night ... 29.4 | | | | | |

The average daily attendance during the last five years.

| 1948 | 1949 | 1950 | 1951 | 1952 |
|---|---|---|---|---|
| 644.7 | 692.0 | 686.7 | 683.7 | 671.3 |

## TABLE 62

CLASSIFICATION OF THE VENEREAL CASES TREATED DURING 1952 AT THE V. D. CLINIC.

| | Males. | Females. | Total |
|---|---|---|---|
| I SYPHILIS | | | |
| (1) "Primary" ... ... ... | 2,233 | 238 | 2,471 |
| (2) "Secondary" ... ... ... | 1,909 | 202 | 2,111 |
| (3) "Late" ... ... ... | 17,07 | 396 | 2,103 |
| (4) "Congenital" ... ... ... | ... | 93 | 93 |
| Total ... | 5,849 | 929 | 6,778 |
| II GONORRHOEA | | | |
| (1) Acute and Sub-Acute ... ... ... | 1,903 | 356 | 2,259 |
| (2) Chronic ... ... ... | 1,962 | 402 | 2,364 |
| Total ... | 3,865 | 758 | 4,623 |
| III Non-Syphilitic Sores ... ... ... | 5,446 | 991 | 6,437 |
| GRAND TOTAL ... | 15,160 | 2,678 | 17,838 |

## TABLE 63

FIELD WORK DONE BY THE HEALTH VISITORS OF THE LEPROSY CLINIC.

| | | |
|---|---|---|
| (1) Patients who had ceased attending and who were persuaded to resume treatment | ... | 556 |
| (2) Contacts examined in Homes | ... | 1,669 |
| (3) Contacts brought to the clinic for examination | ... | 381 |
| (4) Leprosy patients discovered by examination of contacts | ... | 50 |
| (5) Visits to the Homes of patients—First | ... | 1.174 |
| Subsequent | ... | 4,844 |
| (6) Talks on leprosy given | ... | 3,399 |
| (7) Homes wherein isolation was arranged | ... | 1 |

## TABLE 64

LARVACIDES USED

| Name of the Article. | Quantity. | Cost. |
|---|---|---|
| | | Rs. a. p. |
| Malariol "B." | 450 gallons. | 407 13 0 |
| D.D.T. Emulsion 25% Concentrate. | 630 do. | 8,505 0 0 |
| B.H.C. Emulsion 25% Concentrate. | 740 do. | 26,651 4 0 |

1 gallon of D.D.T. or B.H.C. Emulsions 25% is capable of being increased to 25 to 40 gallons by adding water.

## TABLE 65

WELLS, CISTERNS, ETC. FOUND BREEDING ANOPHELES BY MONTHS.

| Nature of Breeding place... | Jan. | Feb. | Mar. | April | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open wells ... ... | ... | ... | 2 | 2 | ... | ... | 1 | 1 | 5 | 1 | 6 | 6 | 24 |
| Cisterns ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Masonry tanks ... ... | ... | ... | ... | 2 | 2 | 2 | 2 | ... | ... | 2 | 4 | 3 | 17 |
| Tins ... ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| Gully-traps and Storm Water Entrances | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| Pools, low-lying lands, cellars, etc. | ... | 7 | 6 | 7 | 9 | 7 | 8 | 7 | 5 | 8 | 5 | 11 | 80 |
| Roof gutters ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | 7 | 8 | 11 | 11 | 9 | 11 | 8 | 12 | 11 | 15 | 20 | 123 |

## TABLE 66

WELLS, CISTERNS, ETC. FOUND BREEDING ANOPHELES BY WARDS.

| Breeding noticed in. | Wards A | B | C | D | E | F | G | Total. |
|---|---|---|---|---|---|---|---|---|
| Open wells ... ... ... ... | ... | ... | 2 | 2 | ... | 5 | 15 | 24 |
| Cisterns ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Masonry tanks ... ... ... ... | 2 | .. | ... | 5 | 4 | 2 | 4 | 17 |
| Tins ... ... ... ... | ... | ... | ... | ... | 1 | ... | ... | 1 |
| Gully-traps and Storm Water Entrances ... | ... | ... | ... | .. | 1 | ... | ... | 1 |
| Roof gutters ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Pools, low-lands, cellars, etc. ... ... | 10 | 15 | 10 | 5 | 12 | 10 | 18 | 80 |
| Total ... | 12 | 15 | 12 | 12 | 18 | 17 | 37 | 123 |

## TABLE 67

SPLEEN EXAMINATION OF THE MUNICIPAL SCHOOL CHILDREN.

| Ward | Pupils examined | Pupils found with enlarged spleen. | Percentage. |
|---|---|---|---|
| A ... ... ... ... ... | 1,255 | 14 | 1.1 |
| B ... ... ... ... ... | 2,803 | 16 | .6 |
| C ... ... ... ... ... | 5,356 | 17 | .3 |
| D ... ... ... ... ... | 6,240 | 25 | .4 |
| E ... ... ... ... ... | 1,804 | 4 | .2 |
| F ... ... ... ... ... | 8,255 | 33 | .4 |
| G ... ... ... ... ... | 7,389 | 14 | .1 |
| Total ... | 33,102 | 123 | .3 |

TABLE 68

Cases of Malaria treated at the Municipal Dispensaries.

| Jan. | Feb. | March. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 17 | 18 | 11 | 29 | 14 | 37 | 43 | 31 | 21 | 22 | 21 | = 276 |

TABLE 69

WELLS AND THEIR CONDITION ON 1ST JANUARY 1953.

| Ward. | Total No. of wells in the City. | No. of wells open or partially open. | | | No. of wells hermetically concrete covered with and without pump. | | |
|---|---|---|---|---|---|---|---|
| | | Total No. | Open. | T. D. | Total No. | With pump. | Without pump. |
| A ... | 361 | 28 | 24 | 4 | 333 | 26 | 307 |
| B ... | 93 | 18 | 11 | 7 | 75 | 13 | 62 |
| C ... | 666 | 149 | 63 | 86 | 517 | 175 | 342 |
| D ... | 435 | 92 | 24 | 68 | 343 | 86 | 257 |
| E ... | 152 | 19 | 12 | 7 | 133 | 44 | 89 |
| F ... | 135 | 51 | 42 | 9 | 84 | 34 | 50 |
| G ... | 265 | 122 | 114 | 8 | 143 | 65 | 78 |
| F Mills | 8 | 1 | 1 | ... | 7 | 1 | 6 |
| G Mills | 28 | ... | ... | ... | 28 | 4 | 24 |
| Total ... | 2,143 | 480 | 291 | 189 | 1,663 | 448 | 1,215 |

TABLE 70.

Wells filled in, etc., during the year.

| Ward. | Total number of wells | Dealt with. | | |
|---|---|---|---|---|
| | | Filled in | Covered Completely. | Covered With trap-door. |
| A .. | 362 | 1 | .. | .. |
| B .. | 93 | .. | 1 | .. |
| C .. | 667 | 1 | 1 | .. |
| D .. | 436 | 1 | .. | .. |
| E .. | 152 | ... | .. | .. |
| F .. | 143 | ... | .. | .. |
| G .. | 295 | 2 | 1 | .. |
| Total .. | 2,148 | 5 | 3 | .. |

TABLE 71

TREATMENT OF STORM WATER ENTRANCES

| Ward. | No. of Storm water entrances. | No. of occasions they were treated. |
|---|---|---|
| A ... ... ... ... | 3,025 | 1,30,075 |
| B ... ... ... ... | 1,834 | 73,360 |
| C ... ... ... ... | 1,963 | 86,372 |
| D ... ... ... ... | 2,167 | 84,513 |
| E ... ... ... ... | 3,602 | 1,54,886 |
| F ... ... ... ... | 5,325 | 1,27,195 |
| G ... ... ... ... | 3,192 | 78,608 |
| Total | 21,108 | 7,35,009 |

## TABLE 72

### Tifa Fogging Work.

| Serial No. | Month. | Tifa work Hrs. | Tifa done Mts. | Petrol. Tifa gallons. | Petrol. Truck gallons. | Insecticide Used. Gallons. | Insecticide Used. Name of the insecticide. | No. of houses fogged. | No. of lanes by-lanes and roads fogged. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | January ... | 89 | 0 | 37 | 44 | 139 | B.H.C. Solution. | 3017 | 216 |
| 2 | February ... | 92 | 0 | 27 | 45 | 168¾ | Do. ... | 2325 | 216 |
| 3 | March ... | 96 | 30 | 31½ | 42 | 189 | Do. ... | 4377 | 258 |
| 4 | April ... | 90 | 0 | 35¼ | 46 | 110¾ | Do. ... | 2572 | 233 |
| 5 | May ... | 42 | 45 | 15 | 43 | 62 | Do ... | 2165 | 92 |
| 6 | June ... | 76 | 45 | 33 | 43 | 32 & 98 | Do. DDT 10% Solution. ... | 2588 | 162 |
| 7 | July ... | 63 | 0 | 31 | 54 | 92 | DDT 10% Solution ... | 2779 | 335 |
| 8 | August ... | *Nil | *Nil* | *Nil* | 37 | *Nil | ... | *Nil | *Nil* |
| 9 | September ... | 81 | 30 | 34 | 43 | 155 | Do. ... | 3090 | 141 |
| 10 | October ... | 100 | 0 | 34 | 42 | 235 | Do. | 5353 | 286 |
| 11 | November ... | 89 | 30 | 40 | 48 | 270 | Do. ... | 3435 | 128 |
| 12 | December ... | 135 | 30 | 54 | 64 | 295 | Do. ... | 4434 | 190 |
| | Total 12 months ... | 956 | 30 | 372 | 551 | 1845½ | ... | 36135 | 2257 |

* Tifa was out of order.

**Cost on insecticides :**—Insecticides worth Rs. 74,799-11-0 were purchased during the year.

## TABLE 73

### Infectious Diseases, Disinfections.

| | Cases. | Cases removed to Hospitals. | Houses vacated. | Rooms disinfected. | Articles sterilized. |
|---|---|---|---|---|---|
| Plague ... | 2 | .. | ... | 19 | 15 |
| Small-pox ... | 378 | 62 | ... | 403 | 92 |
| Measles ... | .. | 8 | ... | 135 | 11 |
| Chicken-pox ... | .. | 65 | ... | 597 | 22 |
| Typhoid fever ... | 1,567 | 206 | ... | 1,951 | 225 |
| Influenza ... | ... | ... | ... | .. | ... |
| Cholera ... | 14 | 1 | ... | 12 | ... |
| Diarrhoea ... | ... | 1 | ... | 3 | ... |
| Erysipelas ... | ... | .. | ... | 1 | ... |
| Leprosy ... | 2 | ... | ... | 6 | ... |
| Tuberculosis ... | 2,091 | 187 | ... | 2,092 | 259 |
| Cerebro-Spinal fever ... | 11 | ... | ... | 5 | .. |
| Dead Rats ... | ... | ... | ... | 17 | ... |
| Poliomyelitis ... | 116 | 15 | ... | 107 | 2 |
| Malaria .. | .. | ... | ... | ... | ... |
| Diphtheria ... | 698 | 83 | ... | 826 | 35 |
| Puerperal Fever ... | 1 | ... | ... | ... | ... |
| Typhus ... | 45 | ... | ... | 43 | ... |
| Other Causes ... | ... | 121 | ... | 644 | 23 |
| Total ... | 4,925 | 749 | ... | 6,861 | 684 |

## TABLE 74

## DISINFECTION WORK.

| Name of disinfectant. | Quantities of disinfecatnts used. | | Total. | Cost of Disinfectants used. | | Total cost. |
|---|---|---|---|---|---|---|
| | For Dwellings and rooms. | For other places such as house gullies, drains, privies, etc. | | for dwellings and rooms. | for other places. | |
| | | | | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| Pesterines (Gal.) ... | ... | 966 | 966 | ... | 760 1 0 | 760 1 0 |
| Sal. Hycol (Gal.) ... | 5 | 355 | 360 | 24 4 0 | 1,719 9 0 | 1,743 13 0 |
| Kerosene (Tins) ... | 139½ | 50 | 189½ | 797 13 0 | 250 0 0 | 1,047 13 0 |
| Lysotol (Gal.) ... | 340 | ... | 340 | 1,658 0 0 | ... | 1,658 0 0 |
| Dettol (Gal.) ... | 41 | ... | 41 | 564 10 0 | ... | 564 10 0 |
| Lysol (lbs.) ... | 153 | ... | 153 | 192 4 0 | ... | 192 4 0 |
| Bengal Coke (Tons) ... | 21 | ... | 21 | 961 3 0 | ... | 961 3 0 |
| Carbolic Acid (Lbs.) ... | 69 | ... | 69 | 214 4 0 | ... | 214 4 0 |
| Hydrochloric Acid (Lbs.) ... | 76 | 958 | 1,034 | 58 10 0 | 197 2 0 | 255 12 0 |
| D.D.T. 50% Suspension powder (Ton) ... | ... | 1 | 1 | ... | 5,880 0 0 | 5,880 0 0 |
| D.D.T. Technical (Cwts). ... | ... | 11 | 11 | ... | 3,388 0 0 | 3,388 0 0 |
| D.D.T. Solution 5% with kerosene (Gal.) | 263 | 215 | 478 | 1,522 12 0 | 1,648 2 0 | 3,170 14 0 |
| Disinfected fluid ... | 116½ Gal.<br>28 drums | ... | 116½ Gal.<br>28 drums | 1,198 12 0 | ... | 1,198 12 0 |
| Powder Hexaclan (Gal.) ... | 10 | ... | 10 | 48 8 0 | ... | 48 8 0 |
| Malariol 'B' (Gal.) ... | ... | 450 | 450 | ... | 407 13 0 | 407 13 0 |
| D.D.T. Emulsion 25% (Gal.) ... | ... | 630 | 630 | ... | 8,505 0 0 | 8,505 0 0 |
| Formaline lbs. ... | 2 | ... | 2 | 9 0 0 | ... | 9 0 0 |
| B.H.C. 50% Powder ... | ... | 6 tons.<br>8 cwts. | 6 tons<br>8 cwts | ... | 21,474 8 0 | 21,474 8 0 |
| B.H.C. 5% Dust (Tons) ... | ... | 14 | 14 | ... | 5,625 0 0 | 5,625 0 0 |
| B.H.C. 10% Emulsion (Gal.) ... | ... | 740 | 740 | ... | 24,651 4 0 | 24,651 4 0 |
| L.C. 70 Tifa Mixture (Gal.) ... | ... | 140 | 140 | ... | 3,220 0 0 | 3,220 0 0 |
| Izol Powder (Bags.) ... | ... | 51 | 51 | ... | 765 0 0 | 765 0 0 |
| Tropical Chloride of Lime (drums) ... | ... | 144 | 144 | ... | 10,080 0 0 | 10,080 0 0 |
| Total ... | ... | ... | ... | 7,250 0 0 | 88,571 7 0 | 95,821 7 0 |

## TABLE 75

### Maternity and Child Welfare and Family Planning Work.

| | | |
|---|---|---|
| (1) Number of confinements attended to at homes by the Health Visitors in the District | ... | 50 |
| (2) Visits by the Health Visitors— | | |
| Ante-natal | ... | 13,265 |
| Natal | ... | 1,616 |
| Post-natal | ... | 14,338 |
| Infants and Pre-school age children | ... | 28,853 |
| (3) Number of cases visited by the Medical Officers | ... | 3,430 |
| (4) Number of cases registered in the Clinics :— | | |
| Ante-natal | ... | 12,896 |
| Post-natal | ... | 3,182 |
| Infants | ... | 4,173 |
| Others | ... | 985 |
| (5) Total number of confinements in the MaternityHomes(Including1,709 primaparae) | ... | 9,188 |
| (6) Number of cases not registered at the Ante-natal Clinics but confined in the maternity Homes | ... | 524 |
| (7) Number of cases admitted | ... | 10,697 |
| (8) Number of beds | ... | 129 |
| (9) Total number of patients whose blood was taken for Kahn-test | ... | 676 |
| (10) Total number of patients to whom aid was given | ... | 185 |
| (11) Total number of visits by the Health Visitors for family Planning clinics | ... | 11,465 |
| (12) Total attendance at the Family Planning Clinics— | ... | 4,306 |
| New | ... | 1,746 |
| Old | ... | 2,560 |
| (13) Total number of women given appliances free | ... | 1,939 |
| (14) Total number of new-born babies who were given B. C. G. Vaccinations at Municipal Maternity Homes | ... | 709 |

TABLE 76

**Table of Cases treated at all the Municipal Dispensaries during 1952**

| Description of diseases | January. | February. | March. | April. | May. | June. | July. | August. | September | October. | November. | December. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Measles ... | 10 | 14 | 4 | ... | ... | ... | ... | 1 | ... | 2 | ... | ... | 31 |
| Whooping Cough ... | 9 | 14 | 15 | 13 | 4 | 6 | 7 | 2 | 3 | 10 | 10 | 5 | 98 |
| Dengue ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Influenza ... | 402 | 23 | 25 | 35 | 43 | 43 | 25 | 54 | 38 | 24 | 35 | 26 | 773 |
| Dysentery ... | 254 | 255 | 303 | 499 | 583 | 484 | 594 | 613 | 580 | 381 | 342 | 322 | 5,210 |
| Diarrhoea ... | 1,346 | 13,50 | 15,79 | 1,943 | 1,850 | 1,621 | 2,811 | 2,700 | 2,264 | 18,78 | 2,226 | 2,272 | 23,840 |
| Malarial Fever ... | 63 | 6 | 12 | 9 | 16 | 9 | 16 | 16 | 12 | 13 | 11 | 12 | 195 |
| Fever not defined ... | 2,724 | 3,111 | 3,534 | 4,473 | 4,914 | 3,510 | 5,155 | 52,66 | 5,285 | 4,433 | 4,463 | 3,893 | 50,761 |
| Bronchitis ... | 460 | 209 | 235 | 243 | 209 | 191 | 288 | 233 | 217 | 175 | 399 | 361 | 3,220 |
| Pneumonia ... | 45 | 53 | 76 | 81 | 55 | 37 | 75 | 38 | 63 | 34 | 33 | 29 | 619 |
| Diseases of the teeth ... | 536 | 558 | 613 | 681 | 636 | 638 | 673 | 663 | 748 | 721 | 616 | 641 | 7,724 |
| Ophthalmia ... | 601 | 583 | 683 | 772 | 813 | 738 | 757 | 739 | 748 | 752 | 655 | 586 | 8,427 |
| Corneal Ulcer ... | 17 | 4 | 5 | 7 | 1 | ... | ... | 3 | 3 | ... | ... | 26 | 66 |
| Ringworm ... | 296 | 304 | 267 | 316 | 382 | 363 | 500 | 398 | 382 | 420 | 295 | 300 | 4,223 |
| Scabies ... | 965 | 803 | 689 | 715 | 762 | 721 | 779 | 828 | 962 | 734 | 569 | 525 | 9,052 |
| Round Worms ... | 577 | 525 | 425 | 448 | 621 | 544 | 689 | 717 | 613 | 612 | 617 | 732 | 7,120 |
| All other diseases and injuries | 10,070 | 10,505 | 11,987 | 14,124 | 16,347 | 13,179 | 16,610 | 15,133 | 15,740 | 14,231 | 14,561 | 14,186 | 1,66,673 |
| Leprosy ... | ... | ... | 4 | 2 | ... | 2 | ... | 1 | 2 | 1 | 3 | 15 | 15 |
| Total new cases ... | 18,375 | 18,317 | 20,456 | 24,361 | 27,236 | 22,086 | 28,979 | 2,7405 | 27,660 | 24,421 | 24,835 | 23,916 | 2,88,047 |

*Note.*—This Table does not include the number of patients treated at the three Dispensaries for Tuberculosis (*see* page 7) and at those for Women and Children (*see* page 13).

TABLE 77

ATTENDANCE OF NEW AND OLD PATIENTS AT THE MUNICIPAL EYE DISPENSARY AND HOSPITAL AT KAMATHIPURA (1952)

| Year. | New patients. | Old patients. | Total. |
|---|---|---|---|
| 1947 | 5,960 | 37,229 | 43,189 |
| 1948 | 9,929 | 62,402 | 72,331 |
| 1949 | 10,266 | 63,194 | 73,460 |
| 1950 | 9,760 | 63,456 | 73,216 |
| 1951 | 10,916 | 72,434 | 83,350 |
| 1952 | 11,704 | 72,726 | 84,430 |

TABLE 78

POOR BOX CHARITY FUND 1952-53.

| Wards | Balance on 1-4-1952. | Credit during 1952-53. | Total receipts. | Debit | Outstanding Balance on 1-4-1953. |
|---|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| A and B ... | 13,738 13 0 | 1,809 4 6 | 15,548 1 6 | ... | 15,548 1 6 |
| C and D ... | 11,885 14 9 | 2,018 3 9 | 13,904 2 6 | ... | 13,904 2 6 |
| E ... | 24,671 2 8 | 3,959 7 0 | 28,630 9 8 | 111 15 6 | 28,518 10 2 |
| F ... | 716 4 9 | 1,052 6 3 | 1,768 11 0 | ... | 1,768 11 0 |
| G ... | 22,660 2 0 | 5,439 9 3 | 28,099 11 3 | | 28,099 11 3 |
| Total ... | 73,672 5 2 | 14,278 14 9 | 87,951 3 11 | 111 15 6 | 87,839 4 5 |

TABLE 79

PROGRESS OF THE IMPLEMENTATION OF MESSRS. IBCON'S RECOMMENDATION.

| Department. | Period. | Actual Staff. | Standard Staff. | Percentage Reduction or Index. |
|---|---|---|---|---|
| Malaria and Insecticide ... | *Reference* | 493 | 293 | 59.4 |
| | January 1952 to December 1952 ... | 410 | 299 | 72.9 |
| Vaccination ... | *Reference.* ... | 123 | 80 | 65. |
| | January 1952 to December 1952 ... | 106 | 80 | 75.4 |
| Sanitation ... ... | *Reference.* ... | 747 | 357 | 47.3 |
| | January 1952 to December 1952 ... | 502 | 357 | 70.2 |
| Head Office ... ... | *Reference.* ... | 104 | 73 | 70.1 |
| | January 1952 to December 1952 ... | 98 | 73 | 74.4 |
| Total ... ... ... | *Reference.* ... | 1,467 | 803 | 54.7 |
| | January 1952 to December 1952 ... | 1,120 | 809 | 72.3 |

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