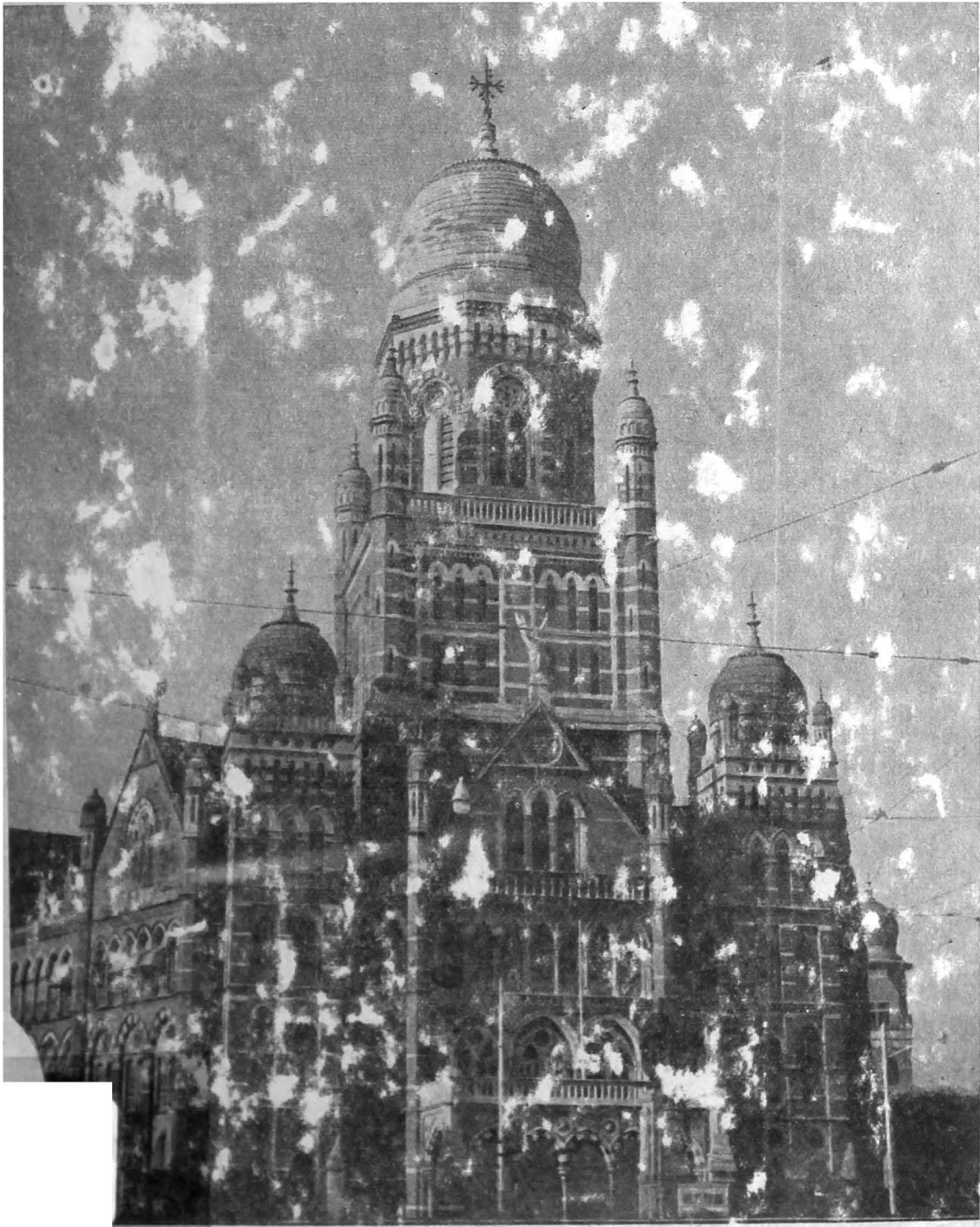


**ADMINISTRATION REPORT  
OF THE  
MUNICIPAL COMMISSIONER  
FOR  
GREATER BOMBAY  
FOR THE YEAR  
1954-55**



BOMBAY  
PRINTED AT THE MUNICIPAL PRINTING PRESS  
1955

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**REVIEW OF THE STANDING COMMITTEE OF THE ADMINISTRATION REPORT  
OF THE MUNICIPAL COMMISSIONER FOR GREATER BOMBAY  
FOR THE YEAR 1954-55.**

The Administration Report, submitted by the Municipal Commissioner, gives in detail the working of various Municipal Departments for the year 1954-55.

2. Shri Dahyabhai V. Patel was elected Mayor of Bombay for the year under report. Smt. Sulochana M. Modi, M.A., was the Chairman of the Standing Corporation. Committee ; Shri P. U. Upadhyaya was the Chairman of the Improvements Committee and Shri H. D. Gaokar, M.Sc., T.D. (LOND.) was the Chairman of the Education Committee throughout the year.

3. Shri P. R. Nayak, I.C.S., continued to hold the office of the Municipal Commissioner practically throughout the year, except for the period from 1st July 1954 to 15th August 1954, when he was on leave. During Shri Nayak's absence on leave, Shri V. L. Gidwani, I.C.S., was appointed to act as Municipal Commissioner.

4. The financial transactions have resulted in a surplus of Rs. 36.31 lacs at the end of the year instead of an anticipated deficit of Rs. 46.08 lacs. This was due to the fact that the actual income increased by Rs. 16.90 lacs over the Budget Estimate, while the expenditure was reduced by Rs. 65.49 lacs over the budgeted amount. The strain on Municipal finances continues unabated and if progress is to be maintained in keeping with the City's position as the premier city in the sub-continent, the Corporation will have to provide funds for a large number of amenities which the city lacks at present and for which the possibility of additional sources of income will have to be explored. The prospects in the latter direction, however, appear to be dim under the existing conditions. Available sources of revenue have been utilized almost to the maximum extent possible and are incapable of yielding better returns. The only alternative, therefore, appears to be reductions on the expenditure side which might possibly result in the deterioration of health and other civic services. It is not understood to what extent additional sources of income would be made available as per the recommendations of the Taxation Enquiry Commission and till the Government's decision thereon are known, nothing definite can be said. In the meanwhile, efforts are no doubt being made by the Corporation by the appointment of experts for the reorganization of different Municipal Departments and their labours have already resulted in a considerable reduction on establishment charges which had tended to grow out of proportion during recent years. If the process is continued with zeal by the executive without impairing efficiency, there are definite indications of appreciable savings not only under establishment but also on other items of expenditure which might enable the Corporation to make both ends meet at least for the time being.

5. In preparing the Budget Estimates for the year under report, an Opening Cash Variations in Income. Balance of Rs. 94.00 lacs was estimated. On the final closing of accounts for the year 1953-54, the actual Opening Balance for the year under report amounted to Rs. 95.80 lacs, which was more by Rs. 42.98 lacs than the actual Opening Balance of Rs. 52.82 lacs for the previous year. The total income budgeted for was Rs. 902.09 lacs, while the actual realizations amounted to Rs. 918.99 lacs, showing an increase of Rs. 16.90 lacs over the budgeted amount and also an increase of Rs. 40.84 lacs over the actuals of the previous year, viz., Rs. 878.15 lacs. On the Expenditure Side, the amount budgeted for was Rs. 948.18 lacs which exceeded by Rs. 88.11 lacs the actual of Rs. 860.07 lacs of the previous year. However, the actual expenditure at the close of the year was reduced to Rs. 882.69 lacs which was less than the Budget Estimate (Rs. 948.18 lacs) by Rs. 65.49 lacs. The anticipated deficit of Rs. 46.08 lacs was thus turned into a surplus of Rs. 36.31 lacs against the surplus of Rs. 18.08 and Rs. 22.96 lacs in the previous two years. The financial transactions of the year ended with Closing Balance of Rs. 91.90 lacs.

A detailed study of the Income Side reveals a net increase of Rs. 16.90 lacs, compared with the original estimates, comprising of gross increases amounting to Rs. 45.12 lacs counter balanced by decreases to the extent of Rs. 28.22 lacs. There were increases almost under every major head.

The main decreases in income were under General Tax proper, Rs. 21.31 lacs, Grants-in-aid in respect of fines Rs. 3.50 lacs, Roads, etc., Rs. 1.02 lacs, and miscellaneous decreases under certain other heads Rs. 2.39 lacs.

6. As against the final sanctioned grants (including renewed and additional grants) which aggregated to Rs. 1057.69 lacs, the actuals amounted to Rs. 882.69 lacs, leaving an unexpended balance of Rs. 175.00 lacs at the close of the year. Against this, an amount of Rs. 108.21 lacs was required to be renewed for expenditure in the following year and the balance of Rs. 66.79 lacs was allowed to lapse as savings.

The actual expenditure for the year, *viz.*, Rs. 882.69 lacs, compared with that of the previous year, *viz.*, Rs. 860.07 lacs, showed a net increase of Rs. 22.62 lacs, *i.e.*, gross increases of Rs. 40.62 lacs less decreases of Rs. 18.00 lacs, the main increases being under Water Works Rs. 11.77 lacs; Medical Relief, etc., Rs. 5.11 lacs; Street Cleansing, etc., Rs. 2.87 lacs; Roads, S. W. Drains, etc., Rs. 7.59 lacs; Contribution to Budgets 'B', 'D' and 'E' Rs. 2.63 lacs, Rs. 0.57 lac and Rs. 6.57 lacs, respectively; Provident Fund Rs. 1.70 lacs; Dearness Allowances Rs. 1.05 lacs and minor increases under certain other heads Rs. 0.76 lac. The main decreases were under Mechanical Rs. 0.65 lac; Buildings Rs. 12.45 lacs; Fire Brigade Rs. 1.41 lacs; Licensing Rs. 0.39 lac; Gardens and Open Spaces Rs. 0.67 lac; Markets Rs. 0.88 lac; Rent of Buildings Rs. 0.52 lac and under certain other heads Rs. 1.03 lacs. Additional grants sanctioned during the year aggregated to Rs. 93.50 lacs against Rs. 31.90 lacs in the previous year.

7. The Opening Balance on 1st April 1954, on account of Loan Funds (excluding the Trust Fund) was nil. Loans aggregating to Rs. 473.99 lacs were raised during the year including an amount of Rs. 200.00 lacs received from the Government of India for financing the Vaitarna-cum-Tansa Scheme. The Standing Committee would once again like to place on record their sincere thanks to the Central Government for their timely assistance which has no doubt helped the Corporation to put through the Scheme more expeditiously than otherwise could have been possible.

The total Loan Funds available for expenditure during the year were Rs. 473.99 lacs. Out of this, an amount of Rs. 17.40 lacs was reserved for the purchase of Capital Stock. The net amount thus available for expenditure during the year was Rs. 456.59 lacs. The total expenditure incurred during the year was Rs. 435.88 lacs including repayment of an amount of Rs. 2.30 lacs taken as an advance from Surplus Cash Balance and Rs. 2.07 lacs being the amount of repayment of loan, leaving a balance of Rs. 20.70 lacs at the close of the year.

The actual expenditure of Rs. 426.47 lacs on Capital Works fell short of Budget Estimates of Rs. 575.60 lacs by 26 per cent. but the percentage had gone up to 43 when compared with the Revised Estimates of Rs. 753.11 lacs.

At the close of the preceding year, the total amount of Municipal Loan outstanding including advances from the various Special Funds was Rs. 24,13.79 lacs. This was increased to Rs. 26,29.42 lacs at the close of the year under review. A loan of Rs. 473.98 lacs was raised during the year while an amount of Rs. 258.36 less was repaid during the year under report. Total Debt Charges for payment of interest, Sinking Fund, etc., amounted to Rs. 214.72 lacs.

8. The book value of investments of the Sinking Fund at the close of the year amounted to Rs. 421.88 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. 407.20 lacs. This, together with the amount of interest accrued upto 31st March 1954, *viz.*, Rs. 2.20 lacs, and cash of Rs. 121, brought the total amount of Sinking Fund to Rs. 409.40 lacs, which more than covered the amount of Rs. 397.37 lacs at which the Fund should have accumulated at the close of the year. The excess in the Fund was thus Rs. 12.04 lacs against Rs. 25.54 lacs at the end of the previous year. Even with this heavy fall in the excess accumulation, the position can be regarded as quite satisfactory having regard to the fact that a sum of Rs. 52.45 lacs stands to the credit of the Net Premia Fund which is intended as a reserve for making good any deficit in the Market value of Sinking Fund Investments.

9. The total income for the year, *viz.*, Rs. 127.35 lacs, showed a net increase of Rs. 6.30 lacs over that of the preceding year, *viz.*, Rs. 121.05 lacs. This was made up of increases in (i) Rent and other proceeds of properties Rs. 3.70 lacs; (ii) Contribution from Budget 'A' Rs. 2.63 lacs and (iii) Miscellaneous Receipts Rs. 0.17 lac, counter-balanced by decreases in Interest and Profit on Investments Rs. 0.19 lac.

The total expenditure for the year, *viz.*, Rs. 123.74 lacs, showed an increase of Rs. 2.59 lacs over that of the previous year, *viz.*, Rs. 121.14 lacs. This was mainly due to increase in the cost of maintenance of Properties and Streets—Rs. 2.80 lacs and counterbalanced by a decrease of Rs. 0.20 lac under Debt Charges.

Loan liabilities of the *ex-Trust* at the commencement of the year were Rs. 15,26.50 lacs against Rs. 15,33.60 lacs in the previous year. No new loan liability was incurred during the year, while the debt was reduced by Rs. 7.34 lacs, which amount was repaid to Government on the basis of equated payments. The outstanding loan liabilities at the close of the year thus stood at Rs. 15,19.17 lacs of which the actual liability to Government was Rs. 315.23 lacs.

The year began with an Opening Balance of Rs. 109.44 lacs. In the course of the year receipts on account of sale proceeds of Lands and Buildings amounting to Rs. 14.84 lacs were credited to this Account. In addition, a sum of Rs. 5 lacs was received from the Government of Bombay as non-recurring grant-in-aid for acquisition of land for squatters colonies at Mankhurd and Jogeshwari. The Standing Committee are grateful to the State Government for their substantial assistance. The total funds thus available were Rs. 129.28 lacs, out of which an amount of Rs. 23.81 lacs was spent on different works. The surplus in the General Account for the year amounted to Rs. 3.61 lacs and was transferred to the Capital Account. There was thus left an unspent balance of Rs. 109.08 lacs at the close of the year.

The amount of Sinking Fund on 31st March 1955 was Rs. 549.33 lacs including cash of Rs. 215 with the Imperial (now State) 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. 5,50.91 lacs. This, together with interest accrued upto 31st March 1955 of Rs. 1.17 lacs and cash of Rs. 215 with the Imperial (now State) Bank of India brought the total amount of Sinking Fund to Rs. 552.08 lacs against Rs. 505.90 lacs, at which the Sinking Fund should have accumulated at the close of the year. The excess in the fund thus amounted to Rs. 46.18 lacs.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1955, was Rs. 15.19 lacs. Out of this Rs. 3.09 lacs were borrowed from Government, and the balance 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. 15,66.75 lacs at the close of the year under review and the assets at Rs. 28,53.98 lacs including the book value of lands comprised in Schedules 'W' and 'X' which has resulted in surplus of Rs. 12,87.23 lacs.

The total income for the year amounted to Rs. 149.67 lacs (including Rs. 112.46 lacs being the contribution from Budgets 'A' and 'D') against the Budget Estimates of Rs. 150.79 lacs and the Revised Estimates of Rs. 149.77 lacs showing a decrease of 1.12 lacs on Budget Estimates and of Rs. 0.11 lac on the Revised Estimates. The decrease of Rs. 1.12 lacs was made up of Rs. 2.08 lacs in contribution from Budgets 'A' and 'D' and Rs. 0.17 lac in Miscellaneous Receipts, counter-balanced by an increase of Rs. 0.60 lac in Fees and Fines from Municipal Schools and Rs. 0.53 lac in other Miscellaneous Revenue. The final sanctioned grants amounted in the aggregate to Rs. 1,66.32 lacs (including the unexpended grant for the previous year and the additional grants.).

The total expenditure booked was Rs. 138.16 lacs and the total unexpended grants amounted to Rs. 23.15 lacs. Out of this, grants renewed in 1955-56 aggregated to Rs. 10.60 lacs, leaving a balance of Rs. 12.55 lacs to be lapsed as savings.

The expenditure booked during the year on the Capital Works was Rs. 8.99 lacs leaving a balance of Rs. 8.03 lacs to be carried to the following year. The expenditure booked during the year out of Trust Funds amounted to Rs. 0.64 lac leaving a balance of Rs. 0.31 lac at the close of the year. A loan of Rs. 15 lacs was raised by public subscription during the year for Budget 'E'. The loan liability under the Education Fund during the year, therefore, increased to Rs. 25 lacs, against which the Sinking Fund stood at Rs. 1.23 lacs.

The opening balance of the Education Fund at the beginning of the year was Rs. 10.75 lacs. The transactions for the year resulted in a surplus of Rs. 11.50 lacs. The balance at the close of the year was Rs. 22.25 lacs. There was an increase of Rs. 1.12 lacs in the amount reserved for meeting the revenue expenditure for 1954-55 and the previous years to be incurred during 1955-56 over that of the previous year. Thus the balance at the close of the year stood at Rs. 20.55 lacs.

10. During the year under report, the rates of taxation remained the same as in the previous year, *i.e.*, General Tax (including Fire Tax) at 17 3/4 per cent. Water Tax at 3-3/4 per cent. and Halalkhore Tax at 3 per cent. Tax on vehicles and animals was levied at the maximum rates mentioned in

Schedule G. Rates charged for the supply of water by meter measurement also remained the same as in the previous year and ranged from As. 12 to Rs. 2-6-0 per 1,000 gallons, according to the class of properties, the minimum rate being charged to Government and the maximum to the Race Course premises.

On the Assessment Register at the close of the year there were 54,527 properties against 54,157 and 54,079 during the previous two years. 46,659 properties against 46,268 properties in the previous year were assessed to General Tax ; while 2,021 properties against 2,292 in the previous year were exempted and 2,115 properties as in the previous year were not taxed being very small plots and 2,607 as in the preceding year were Municipal plots.

Properties newly erected, enlarged and demolished during the year numbered 845, 475 and 874, respectively, against 858, 780 and 998 in the previous year. At the end of the year single-room tenements, double-room tenements and flats or blocks numbered 2,72,820, 69,369 and 48,185, respectively against 2,61,006, 71,335 and 54,723 in the previous year.

Rateable value of all properties in the City at the end of the year amounted to Rs. 24,98.48 lacs against Rs. 23,43.85 lacs and Rs. 21,99.09 lacs in the preceding two years. The rateable value *per capita* was Rs. 107-6-8 as against Rs. 100-12-0 and Rs. 94-8-0 in the previous two years. In 1,075 cases, the rateable value was increased by more than Rs. 2,000 in each case.

The total number of vehicles and animals taxed during the year (including those taxed under the Public Conveyance Act, *viz.*, 1,890) was 43,600 as against 41,582 and 37,224 in the previous two years. Of this total number, the maximum number in any one group was of 24,102 for motor cars (including 3,034 taxis) and the smallest numbers were 6 for trollies and 62 for trailers.

During the year under report, Wheel Tax for hack-victorias, labour-carts and hand-carts (without pneumatic tyres) leviable, respectively at Rs. 112, Rs. 40 and Rs. 8 per annum was compounded for the year 1955-56 at Rs. 100, Rs. 35 and Rs. 6, respectively, as they had to pay the tax for the whole year in advance instead of quarterly as in the case of other vehicles.

During the year under review, bills numbering 1,55,805 and 1,14,232 were issued, respectively, for Property and Wheel Tax. The amounts collected against net total demands of Rs. 837.48 lacs and Rs. 55.64 lacs were Rs. 647.30 lacs and Rs. 39.21 lacs which worked out to 77.29 and 70.47 per cent. of the net demands, respectively. The percentage of the net total recovery to the total demand worked out to 76.87. The total outstanding at the end of the year was Rs. 206.61 lacs. Outstandings against private rate payers stood at Rs. 68.98 lacs at the end of the year. The figure is exclusive of the amount of Rs. 91.48 lacs involved in complaints against rateable values, which were pending at the close of the year on account of revision proposals under Section 167 of the Act issued in the last month of the year due to new constructions, additions, alterations, etc. Out of total outstanding of Rs. 68.98 lacs from private properties, an amount of Rs. 7.81 lacs was involved in suits filed, Rs 4.72 lacs were payable by the Court Receiver and Official Assignee and an amount of Rs. 11.67 lacs was the outstanding representing taxes on buildings having flats on ownership basis. This leaves a balance of Rs. 44.78 lacs which is equivalent to 5.01 per cent. of the net demand, as against 2.47 per cent. in the previous year. The Standing Committee view with dismay the increase in the percentage of outstandings and hopes that strenuous efforts will be made to reduce the same to the barest minimum.

The total amount of exemption from General Tax allowed in respect of different properties during the year was Rs. 30.50 lacs as against Rs. 29.09 lacs and Rs. 28.58 lacs in the previous two years.

The number of claims received for drawback and refund was 59 and 4,114 respectively, against 56 and 3,064 and 21 and 2,972 in the previous two years. Of these only 2,328 refund claims were admitted involving an amount of Rs. 4.13 lacs. Seven drawback claims were admitted and the amount of drawback allowed was Rs. 727-14-0 only against one such claim involving an amount of Rs. 71-6-0 in the previous year.

During the year 6,808 complaints were received against revision assessment amounting to Rs. 844.61 lacs against 1,473 complaints involving an assessment amounting to Rs. 170.45 lacs in the previous year. 33 appeals for rateable values were received in the year. Of these 11 were settled out of Court, 1 was decided, 6 were withdrawn, 1 was dismissed and 14 were pending.

13 suits against 35 suits in the previous year were filed against ratepayers for recovery of taxes and decrees in 7 cases were obtained.

An amount of Rs. 49,756-1-9 was collected as Riot Tax in the year under report.



During the year under report, the dispute between the Central Government and the Corporation about the payment of General Tax at a rate higher than the rate prevailing immediately before 1st April 1937 was referred to the High Court and in the meanwhile the Central Government agreed to pay the tax at the enhanced rate from 1st April 1948 instead of from 1st April 1954 as agreed to by them previously.

As regards the properties which came into existence on or before the 1st April 1937, the Central Government have now agreed to pay from 1st April 1954, the charges for the specific services rendered by the local authorities and have directed the State Government to fix a percentage of such charges. The matter is now under correspondence with the State Government.

During the year under report, under Section 10-c of the Bombay Rents, Hotel and Lodging Houses Rates Control Act, 1947, (as amended), landlords were permitted to increase rents of their premises from 1st April 1954, at the rates prescribed therein. Consequently, the rateable values of about 25,000 properties, against the average number of 2,000 properties per year, were revised from that date, under Section 167 of the Bombay Municipal Corporation Act. The staff of this Department had to put in extra time and labour to cope up with this heavy work, which again had to be completed within a short time. They were, however, compensated by grant of adequate Duty Allowances.

Tax amounting to Rs. 6,369-4-0 on 481 race horses for the period from November 1954 to March 1955 was recovered from the Royal Western India Turf Club Ltd., as against Rs. 6,476-6-0 for the preceding year.

The tax collected on hand-carts and bullock-carts during the year amounted to Rs. 86,203-5-0 as against Rs. 73,359-4-0 for the preceding year.

It is reported that the Standards Officer appointed to implement the recommendations of Messrs. Ibcn Ltd., was gradually effecting retrenchment and out of 143 posts recommended for abolition, 68 were reduced upto 31st March 1955, from a Department having a personnel of 556 plus 50 leave reserves, thus effecting a gross saving of Rs. 3.97 lacs as against Rs. 2.80 lacs in the preceding year.

A retired officer of the Department, who was appointed to scrutinise the accounts of the Railway properties to determine their assessment, for the quinquennium 1949-54, submitted his report and the matter is under correspondence with the Railway authorities.

The assessment of the Bombay Port Trust properties for the quinquennium period 1944-49 according to Justice Lokur's Report, is still pending.

In the classification of properties according to user, it is found that out of 54,527 properties with an approximate rateable value of Rs. 24,98.48 lacs, 36,283 properties only are used for residential purposes with an approximate rateable value of Rs. 1,402.98 lacs.

From the classification of properties according to rateable values, it is found that as many as 46,764 properties come within the rateable value of Rs. 20,000, leaving only 1,963 properties having rateable value between Rs. 20,001 and Rs. 3,50,000 and above. These figures do not include properties belonging to the Bombay Port Trust and the Railways, which are assessed in lump.

11. The rates of taxation continued to be the same as in the previous year, viz., 5 per cent. in the case of buildings and lands the rateable values of which were above Rs. 2,000 in each case and 2 1/2 per cent. in the case of buildings and lands the rateable values of which were Rs. 2,000 and below in each case but not less than Rs. 500. 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 the tax was Rs. 107.28 lacs. As against this demand the collection amounted to Rs. 83.26 lacs, while Rs. 24.02 lacs remained outstanding at the close of the year. Out of arrears of Rs. 30.50 lacs, an amount of Rs. 18.71 lacs was collected, leaving a balance of Rs. 11.79 lacs at the close of the year. The total collection of the Tax during the year amounted to about Rs. 101.97 lacs.

12. During the year, the rates of Town Duties continued to be the same as prevailing in the previous year. The gross collections from Town Duties amounted to Rs. 93.49 lacs as against Rs. 93.86 lacs and Rs. 92.95 lacs in the previous two years. There was an increase in the net receipts from grain, tea, iron and steel. There was a decrease in receipts from sugar, charcoal and edibles. The consistent decrease in revenue from sugar could be attributed to imports by the Central

**Government without paying Town Duties.** The amount refunded during the year under review was Rs. 15.73 lacs as against Rs. 19.67 lacs and Rs. 20.19 lacs in the previous two years. Town Duties gave a net revenue of Rs. 77.75 lacs as against Rs. 74.19 lacs and Rs. 72.76 lacs in the previous two years. The total number of claims for refunds was 29,123 as against 36,608 and 34,564 in the preceding two years. The number of claims for refund during the year was less by 7,485 than in the previous year and the amount of refund was less by Rs. 3.94 lacs.

Fees for stamping sugar bags, tea-cases, etc., amounted to Rs. 0.64 lac as against Rs. 0.84 lac and Rs. 1.01 lacs in the preceding two years.

Town Duties collected at Bhandup and Jogeshwari in respect of articles coming by roads amounted to Rs. 7.85 lacs as against Rs. 6.03 lacs and Rs. 6.92 lacs in the preceding two years. Town Duties on dutiable parcels imported by air amounted to Rs. 0.10 lac which figure is the same as for the preceding year.

- 13. Supplementary Election Roll containing 131 names was published on 20th December 1954, in accordance with the provisions of Section 21-B of the Bombay Municipal Corporation Act.**

Elections.

During the year there were two By-Elections for filling casual vacancies for Ward No. 6 and Ward No. 24, and Shri Salebhoy Abdul Kader and Dr. Ravindranath Narayan Kulkarni were elected from the respective Wards.

The preliminary work in connection with the preparation of a *de novo* Municipal Election Roll for the General Election of 1956 commenced in January 1955 and was in progress at the end of the year.

- 14. The Planning Section of the Engineering Department prepared plans and estimates for seven School buildings with 267 class rooms for 12,000 students. Similarly, plans and estimates for additional floors for 3 existing Schools providing 55 additional class rooms for 2,300 students were completed.**

Planning.

This branch also prepared plans and estimates for numerous other works as detailed in the report.

Plans and estimates for certain roads and for Love Grove Pumping Station and sewerage scheme for Colaba area were also prepared by this branch.

An intensive investigation into the causes of flooding of low-lying areas in the City was carried out during the year. A proposal to install battery pumps to pump out storm water at Love Grove as a radical cure was under investigation at the close of the year.

A comprehensive programme for the Second Five Year Plan was drawn up during the year under report. It comprises of a total expenditure of Rs. 3,929 lacs for the City and Rs. 619 lacs for the Suburbs. An ambitious programme for slum clearance has been included in the programme for the Second Five Year Plan submitted to Government. During the year under report, the work of clearance of Municipal slums at Palton Road and Haines Road was taken in hand. A survey of the conditions of the Kamathipura slum area was also commenced. The Standing Committee hope that these works will be attended to promptly and completed without undue delay.

- 15. The total number of properties both Municipal and ex-Trust, maintained by the Maintenance Branch during the year was 3,213 which was more by 20 and 57 than the number of properties, viz., 3,193 and 3,156, respectively, in the previous two years. The increase was due to new buildings having been handed over for maintenance. The work of up-keep and maintenance of buildings was carried out partly by contract and partly by departmental agency. The Budget provision for the said purpose was Rs. 27.56 lacs against which the expenditure incurred amounted to Rs. 19.28 lacs. Corresponding figures of the Budget grant and expenditure for the last two years were Rs. 23.53 lacs and Rs. 15.43 lacs and Rs. 24.56 lacs and Rs. 22.64 lacs., respectively. Out of the total expenditure, works to the extent of Rs. 7.35 lacs were carried out departmentally and Rs. 1.68 lacs through the Petty Works Contractors as against Rs. 10.68 lacs and Rs. 3.94 lacs, respectively, in the previous year. In addition, repairs to school buildings under Budget 'E' were also carried out at a total expenditure of Rs. 0.43 lac in the year under report.**

Municipal Properties.

New Works and Special Repairs Works were carried out at a total expenditure of Rs. 3.94 lacs as against Rs. 3.83 lacs in the previous year. The total Budget grants for carrying out Special Repairs to Municipal properties and ex-Trust Chawls and properties were

Rs. 5.96 lacs and Rs. 10.55 lacs, respectively, as against Rs. 4.00 lacs and Rs. 7.96 lacs, respectively, in the previous year, against which actual expenditure incurred during the year amounted to Rs. 1.96 lacs and Rs. 8.24 lacs, respectively, as against Rs. 1.09 lacs and Rs. 5.23 lacs, respectively, in the previous year.

Works on the five years' programme of heavy repairs and improvement of water supply to the *ex-Trust* Chawls, conversion of D.C. electric supply into A.C. system and providing additional points, at the *ex-Improvement Trust* Building, were continued and in several cases completed.

The cost of maintenance of Municipal and *ex-Trust* buildings continued to show an upward trend, largely due to the continuous deteriorating condition of the properties consequent upon old age and overcrowding due to prevailing housing shortage.

During the year under report, tenders were invited in connection with the following important construction works :—

(i) Construction of a Dormitory at Palton Road Estate ; (ii) Construction of a Clinic and Maternity Home at Naigaum ; (iii) Conversion of 'F' Ward stables into an Isolation Hospital for T. B. patients at Dadar Main Road ; and (iv) Convalescent Home with 120 beds with staff quarters at Hospital Avenue Road.

During the year under report, the following works of construction of tenements for housing the Conservancy Staff of the Public Health Department were either in progress or were completed :—

(i) Construction of the remaining 96 tenements at Rajwadkar Street, Colaba ; (ii) Construction of 144 tenements out of 244 tenements at Bapty Road Yard were completed ; (iii) The work of 'Housing Municipal Staff' which is proposed to be utilised in carrying out the work of replacement of 'Patra Chawls' at Mahalaxmi by storeyed building comprising of 410 tenements and 10 shops, was in progress ; (iv) 60 tenements at Shanti Nagar, Arthur Road, and (v) 14 tenements at Chinchpokli.

During the year, in summer months, it was extremely difficult to maintain the full supply level at the Mahatma Gandhi Memorial Olympic Swimming pool at Shivaji Park. This heavy loss of water was, among other things, due to leakage in walls and floors of the Pool. The Pool was, therefore, closed to the public in the middle of June 1954 to investigate into the matter thoroughly. After carrying out the necessary repairs, the Pool was refilled when the leakage was found to have come down to the permissible minimum. The Pool was then brought into commission after about one and a half months and was well patronised by the public at large. Estimates amounting to Rs. 47,11,866 for various works to improve the condition of the Pool were prepared during the year and were under consideration of the Corporation.

16. During the year 4,600 applications against 5,052 and 5,437 in the previous two years were received from the construction of new buildings or additions and alterations to the existing ones. The number of buildings covered by these applications was 2,051 against 2,067 and 1,689 in the preceding two years. It is significant to note that there was a considerable fall in the number of new tenements constructed during the year which was 1,696 against 1,996 and 2,568 in the preceding two years. Out of 1,696 tenements, 155 were one-room tenements, 360 two-room tenements and 1,181 larger tenements. The corresponding figures for the previous two years were 291, 662 and 1043 and 303, 597 and 1665, respectively. Of the newly constructed tenements, the highest number was 679 in F Ward consisting of 35 one-room, 151 two-room and 493 larger tenements. The total number of buildings constructed by private enterprise during the year was 383 of which 133 were residential and 250 non-residential. 9 buildings were constructed by Co-operative Societies and 11 by employers for their employees. According to the above statistics, the new building activity did not even touch the fringe of the problem looming large since a long time. A fillip to this industry is very essential, if adequate housing accommodation is to be provided to the citizens within some reasonable range of time.

The number of tenements demolished during the year was 540 against 580 in the previous year. Of these 474 were one-room tenements, 37 two-room tenements and 29 were larger tenements. Of the demolished buildings, the highest number was 134 in B Ward in which 131 one-room tenements, 2 two-room tenements and 1 larger tenement were demolished. Such demolitions tend to aggravate the existing acute housing shortage. This is, however, inevitable in the interest of those who occupy such buildings. The Standing Committee have no doubt that the Executive get themselves convinced about the ruinous condition of a house before resorting to this extreme measure of demolition.

During the year, action for removal of unauthorised works was taken vigorously to check the growing tendency on the part of law breakers to put up such structures without proper permission and in contravention of the provision of the Act and the Building Bye-laws. Most of such structures were inadequately lighted or ill-ventilated or were deficient as regards open spaces required under the Building Bye-laws. Sanction of the Standing Committee was obtained in 404 cases, for the removal of unauthorized works. In addition, there were 80 cases pending at the close of the last year giving a total of 484 unauthorized structures. Of these 137 works were removed by the parties while 83 cases were removed departmentally. Out of the remaining 263 cases, in 19 cases the works were regularised and 245 cases were pending at the close of the year. The argument that removal of unauthorized works would result in displacement of persons should not, in the opinion of the Committee, deter the executive from enforcing the legal provisions.

Action for the removal of a stall board projections and show cases on public streets was continued through the Stall-board Removal Staff. In all 943 notices were issued against 2,142 in the previous year. Out of these, 798 notices were complied with, and 145 were pending at the close of the year as against 1,653 and 489, respectively, in the previous year. During the year 1,036 projections were removed by the parties of their own accord and 1,684 were removed departmentally.

1,184 stall-board projections and 993 weather-framed projections, 82 rolling shutters were allowed to be retained on payment of fees against 763, 911 and nil, respectively, in the preceding year. The net income derived from temporary projections, such as, stall-boards, etc., amounted to Rs. 4.12 lacs against Rs. 3.48 lacs and Rs. 2.32 lacs in the preceding two years, while the expenditure incurred on the establishment, etc., charge for the control of such projections was Rs. 0.99 lac as against Rs. 0.97 lac and Rs. 0.90 lac in the preceding two years.

In the case of dilapidated houses, the issue of notices and the launching of prosecutions continued as before. In all 7,265 notices were issued during the year for removal of unsafe buildings against 5,036 in the previous year. Out of these, 5,673 were complied with and 1,592 were pending at the end of the year. In some cases, where the owners failed to comply with the requisitions in spite of convictions, and where the tenants approached the authorities to force the land lords to carry out the repairs, authorizations under Section 499 of the Act were given to them to carry out repairs works and to recover the reasonable expenses incurred by them from the rents.

In some cases, departmental action had to be taken to pull down unsafe portions of buildings in the interest of public safety, as the owners failed to carry out municipal requisitions. In some cases, the owners deposited the amount towards the expenses of such demolitions. The recent amendment to the Rent Restriction Act, permitting the landlords an increase over standard rents upto 5 per cent. of actual costs of repairs did not improve the housing situation worth the name, as there were not many owners who took advantage of this amendment for carrying out heavy repairs. It is also for consideration whether major repairs should be allowed in case of all buildings, which will necessitate a survey of old buildings in the City. The question was under consideration of the authorities at the close of the year.

The prevailing acute housing shortage hampered the improvement and widening of narrow streets in congested localities. Lands coming within the setback lines prescribed on a majority of such streets could not be demanded for want of alternative accommodation for the persons likely to be dishoused. The question of providing Transit Accommodation for tenants affected by set-back proposals and also for families dishoused by house collapses, was under consideration of the authorities.

The collapse of a building known as 'Neville House' at the Ballard Estate during the year was a peculiar one. The building was of R. C. C. construction and half of it collapsed completely without any sign of warning from the 4th floor downwards leaving only the external walls intact. An unofficial Committee which made enquiries in the case attributed the cause to the faulty design, as the building was constructed in 1922 when the R. C. C. design was in its infancy.

17. *Dadar Purification Works.*—The Sewage Purification Works at Dadar functioned satisfactorily throughout the year under report. The total volume of **Drainage and Sewerage.** sewage received at the Plant during the year amounted to 4,162.98 million gallons, *i.e.*, an average of 11.41 million gallons per day, against the total quantity of 3,746.43 and 4,073.53 million gallons received at the Works in the previous two years giving daily averages of 10.26 and 11.16 million gallons, respectively. The total quantity of sludge gas generated during the year was 44.12 million cubic feet almost 0.99 million cubic feet less than the last year, *viz.*, 45.11 million cubic feet, while the daily production was 1,20,871 cubic feet as against 1,23,603 cubic feet per day last year. The decrease was due to one of the auto digestion tanks being out of commission during the last quarter of the year. From the experience

gained, it can be said that the distribution of sludge gas for domestic consumption was both economical and simple. The total revenue realized during the year by sale of gas amounted to Rs. 1.23 lacs as against Rs. 1.11 lacs and Rs. 0.78 lac in the previous two years. The total expenditure on power, stores, laboratory, establishment, etc., charges for the Purification Plant, Digestion Tanks Sewerage Pumping Station, etc., amounted to Rs. 2.06 lacs as against Rs. 2.70 lacs in the previous year.

**Love Grove.** Sewage installation at Love Grove worked satisfactorily throughout the year. The average sewage level during the year was about 71.08 T.H.D. against 71.48 T.H.D. in the previous year. The total expenditure on the maintenance of the installation was Rs. 2.81 lacs as against Rs. 3.03 lacs and Rs. 2.46 lacs during the previous two years. The new Detritus Tanks forming part of the works under the first stage of the proposed Love Grove Purification Works were put into commission during the year under report.

**Dharavi Purification Works.** The sewage purification works at Dharavi worked satisfactorily during the second year of its operation. The total volume of sewage received at the plant during the year was 1,139.81 million gallons, *i.e.* an average of 3.13 million gallons per day. The total quantity of sludge gas generated during the year was 39.87 lacs cubic feet. The total revenue realized during the year amounted to Rs. 6,814-14-0 and the total expenditure on power, stores, laboratory, establishment, etc., amounted to Rs. 3,473.

**Remodelling existing sewerage system.** The sewerage system of the City depends upon the satisfactory working of Pumping and Compressor Stations. Sewage from the sewerage system of the City was pumped through 13 Pumping Stations, 6 of which, *viz.*, Globe Mill Passage, Love Grove, Dadar, Matunga, Mahim, Jacob Circle and Tulsi Pipe Line Road, are major stations and the remaining are secondary ones. The Globe Mill Passage Pumping Station, which was put into commission in September 1954, was a new addition to the list of Pumping Stations. However, with the closure of the Parel Poibavdi Pumping Station in January 1955, the number of pumping stations at the close of the year remained the same as in the last year. All the Pumping Stations worked satisfactorily throughout the year.

**Transport.** 18. During the year, 457 motor vehicles were in commission against 448, 454 and 344 in the previous three years. During the year, 9 new vehicles were purchased. One new Bull-Dozer was also added at a cost of Rs. 35,680 for levelling refuse heaps dumped at different refuse dumping grounds. The use of the Bull-Dozer, besides expediting the work, has shown considerable saving as no manual labour is now employed for such work. The expenditure incurred on the maintenance of the motor transport amounted to Rs. 18.33 lacs against Rs. 15.20 lacs, Rs. 10.15 lacs and Rs. 9.57 lacs in the previous three years.

The execution of the scheme for constructing a Central Garage near Worli for housing all vehicles at a central place sanctioned by the Corporation in 1949 was further deferred due to financial stringency.

Owing to addition of a large number of vehicles, the Transport Branch which was under the control of Mechanical Engineer till lately was put in charge of a newly created post of an Assistant Engineer, 1st Grade, styled as Transport Superintendent. It is expected that this will result in better efficiency, greater output and reduced breakdowns which in the past were often responsible for dislocation of essential health services, particularly refuse removal.

During the year under report, the work of conversion of 23 Leyland Moving floor lorries into Fixed floor lorries with hydraulic tipping arrangement was taken up and 4 vehicles were converted and put into operation. The conversion is giving good results as the fixed floor lorries do not get damaged as often as the moving floor lorries used to get.

In order to augment the fleet, 6 Scammel Horses were purchased during the year under report. Similarly, conversion of 30 out of 45 moto carts into Trailers which had become unserviceable was taken up in hand and majority of the work was completed during the year.

Messrs. Ibccon Ltd., who were entrusted with the re-organization of this Department, submitted their report during the year and their recommendations were under consideration.

**Repairs and Maintenance of Roads and Foot-paths.** 19. The total mileage of roads in the City limits at the end of the year was 2,74,056 miles against 273,606, 280.89 and 270.717 miles in the preceding three years. The cost of adding to roads the set back lands acquired in the different parts of the City amounted to Rs. 37,116. The total area thus added to the road during the year was 1,364 square yards.

During the year, about 10,507 square yards of area of road surfaces were renewed with 3" sheet asphalt at a total cost of Rs. 1.21 lacs. No roads were renewed by 'Recondo Process' during the year. The work of maintenance of roads and footpaths was generally satisfactory throughout the year. A total area of 1.98 lac square yards of the different types of the road surfaces was improved during the year. The work of asphaltting foot-paths was continued during the year and foot-paths of 24 roads covering an area of 51,668 square yards were asphalted at a cost of Rs. 0.99 lac.

Traffic Islands were provided at important inter-sections and the total number of such islands at the close of the year as 104. Out of this 5 Traffic Islands were provided during the year under report.

The work of construction of a Pedestrian Sub-way across Queen's Road near Churchgate Railway Station, the plans and estimates for which were approved by the Corporation in December 1954, was taken up in hand before the close of the year. The Committee understand that this has since been completed and has contributed greatly to relieve traffic congestion in that area.

During the year a sum of Rs. 0.96 lac was realised on road opening fees, ground rents or fees for temporary occupation of roads and foot-paths.

During the year under report, the Schedule of Fees for occupation of roads and foot-paths was revised by the Corporation, incorporating therein penalty for unauthorized occupation of roads and foot-paths at double the usual rates. The Corporation also approved of the levy of fees of As. 2 per sq. yd. per diem from the stall-holders at different recognised fairs held in the City.

Total number of street lamps in the City at the end of the year was 12,164 as against 11,885, 11,638 and 11,619 in the previous three years. An expenditure of Rs. 18.58 lacs was incurred for lighting and maintenance of street lamps. An additional expenditure of Rs. 1.87 lacs was incurred on erection of new lamps, maintenance, miscellaneous works, etc.

Since the year under report, 'All in Hire Scheme' for mercury vapour and fluorescent electric lamps has been introduced, under which all such lamps already installed and to be installed will be owned by the B. E. S. & T. Undertaking, the capital expenditure in respect of these lamps being borne by the Undertaking. Only the maintenance cost for the lamps is to be paid by the Corporation to the Undertaking. This has resulted in improving the lighting of streets to an appreciable extent. The long standing public demand for providing the statue of the late Lokamanya Tilak with flood-lights was accepted by the Corporation during the year under report and the statue was flood-lit from 1st August 1954, on the occasion of the death Anniversary of that great Patriot.

20. As in the past, the major portion of the refuse was as usual transported to Deonar Removal of Town in railway wagons. The remaining refuse was dumped into low-lying Refuse. lands in the City, viz., Hornby Vellard, Haines Road Cometary, near Love Grove Pumping Station, Sion-Kurla Creek, Dadar-Purification Works and Dharavi, which sites were required to be filled in.

The arrangement of running three refuse trains per day introduced in 1950-51 was discontinued from 15th July 1954 and only two trains consisting of an average of 30 wagons each were run. A light engine was engaged to remove the empty train at Chembur to Mahalaxmi siding as soon as the train was unloaded and the loaded train from Mahalaxmi siding was brought to Deonar by the same engine. By this arrangement, the empty train was available at Mahalaxmi Siding for loading purposes before the loaded rake was taken away to Deonar.

The total number of wagons sent to Deonar during the year under report was 21,511 as against 23,465, 25,421 and 26,433 during the previous three years. The decrease is mainly due to the shortage of rolling stock and irregular working of the trains. The total quantity of refuse removed to Deonar was about 3.66 lac tons as against 3.99 lac, 4.07 lac and 4.49 lac tons during the previous three years. The total expenditure on account of removal and disposal of refuse amounted to Rs. 7.18 lacs as against Rs. 7.82 lacs, Rs. 8.87 lacs and Rs. 8.90 lacs in the preceding three years. The total cost of unloading refuse wagons amounted to Rs. 3.34 lacs against Rs. 3.64 lacs, Rs. 3.98 lacs and Rs. 4.06 lacs in the previous three years. The work of unloading refuse wagons was carried out wholly by contract. The cost of haulage and unloading per ton amounted to Rs. 1-15-5 approximately as against Rs. 1-15-5, Rs. 2-7-10 and Rs. 2 per ton in the previous three years. The decrease in expenditure was due to less number of wagons received at Deonar.

The position of the rolling stock required for work was far from satisfactory. The rolling stock including 25 wagons lying 'sick' in the Railway Workshop at Mahalaxmi siding and at Deonar at the end of the year was 90 as against 106 in the previous year. The decrease was due to 16 wagons being condemned during the year under report. Old wagons had to be condemned but no new wagons could be had for several years in spite of the efforts made in this direction. The matter was under prolonged correspondence with the Railway authorities for the supply of 50 new wagons but to no avail. Efforts are also being made to purchase them through private agencies.

The Corporation have approved of a proposal by the close of the year to transfer the entire conservancy services under the City Engineer and to create a new post of 'Public Health Engineer', to supervise the working of these services. As a result of this, the Head Supervisor of the Conservancy Department and his staff who were formerly working under the Executive Health Officer were transferred under the City Engineer. It is to be hoped that with this centralization of the Conservancy Services under unitarial control better results would accrue which were not formerly available under the system of executive "dyarchy".

21. The Master Plan for the Greater Bombay region was approved by the Corporation in 1948. In regard to control of the user of land, provisions of amended Bye-laws being inadequate, further legislation to introduce zoning was under consideration of the Executive for the last few years. A Draft Zoning legislation was prepared and forwarded to Government who have, however, replied that as the recent amendments to the Town Planning Act embodied therein the Zoning Districts contemplated by the Corporation, need for a separate legislation did not exist. The matter is further pursued with Government and in the meanwhile establishment of factories was controlled under Section 390 of the Bombay Municipal Corporation Act, thereby ensuring a partial zoning control.

The work of issuing factory permits was transferred for administrative convenience under the City Engineer by creating a new Branch called 'Factory permits Branch'.

*Development of Trombay Island.*—The work of the Eastern Express Highway made further strides during the year. The work of widening old roads and constructing new ones in the area started in the previous year was nearing completion. Tentative layouts for utilising Chembur and Kole-Kalyan areas for industrial purposes were prepared. The work of re-location of Anik village was nearing completion.

Investigations in connection with the waste low-lying areas lying idle, in the Suburbs, due to tidal inundation were continued during the year under report and further meteorological data was collected for working out a scheme for reclamation of these lands by providing Peniheral bunds, storage reservoirs and pumping stations. As a prelude to a larger Scheme, encompassing larger areas, a pilot Scheme, for a portion of Dharavi area was being worked out during the year. Similarly, to study the topography and the condition of the creek basin, a proposal to provide gates at the span of the Mahim Causeway to back out tides was under contemplation during the year under report.

No further progress in respect of shifting of the Slaughter House from Bandra to Deonar was made except providing an embankment for a part of the access road.

The work of the aerial survey of Greater Bombay region was completed and remaining set of photo enlargement was received. The actual cost of the work amounted to Rs. 1,21,849 against the estimated cost of Rs. 75,200.

The total expenditure booked in connection with the preparation of the Master Plan from the commencement, viz., 1st January 1947 to 31st March 1955, amounted to Rs. 2.61 lacs.

The question of making available a portion of Government land at Juhu beach for a Holiday Centre, plans for which were already prepared, was taken up with the Government during the year.

*Town Planning Scheme.*—In all 4 Town Planning Schemes for Bombay City were approved by the Corporation and the State Government upto 31st March 1955. The areas under all the four Town Planning Schemes were kept under vigilant control with a view to preventing constructions in contravention of the provisions of the Town Planning Act.

The Mandvi and Elphinstone areas which were devastated by dock explosions and subsequent fires in April 1944 comprised of Town Planning Schemes, Bombay City No. 1.

The Mahim area covered by the provisions of the Bombay Town Planning Act, 1915, was divided into three Schemes, viz., Schemes Nos. 2, 3 and 4.

During the year under report, the final scheme in respect of Town Planning Scheme No. 1 as drawn up by the Arbitrator was approved by the Corporation and forwarded to the Government for their sanction, which is awaited.

As regards Scheme No. 2, the Arbitrator completed his arbitration proceedings and his Award was awaited. Arbitration proceedings in respect of Scheme No. 3 were in progress and those in respect of Schemes No. 4 were not taken up by the close of the year.

The total expenditure incurred in connection with the preliminary works of the proposed Town Planning Schemes for the areas from the commencement upto the end of the year under report was Rs. 10.02 lacs, and the expenditure during the year amounted to Rs. 1.65 lacs.

22. The Department continued to look after the work of acquisition of lands and Estates and Land preparation of layouts, etc., as before. The Special Land Acquisition Management Officer submitted his Award in respect of temple property in Case No. 374, Scheme 5, to the Government who directed the parties to come to a settlement. The work is being attended to. As regards the area of land along the foreshore of the Worli Village in Scheme 62, there being stiff opposition from the villagers for fear of being dispossessed of their ancestral properties, a new scheme which would meet their objections and also enable the Corporation to carry out improvement in that locality was under consideration and the City Engineer was requested to prepare a layout showing the development of the locality. The matter was pending till the close of the year. Government land in Scheme 77, "Housing for fishermen of Mahim Foreshore", was acquired for providing a recreation ground as well as for housing fishermen.

Document in respect of Government land in Scheme 6, Sion-Matunga Estate, which was taken over for the purpose of Municipal housing was executed during the year and fresh agreement in respect of the scheme for widening the 1st Marine Street, Dhobi Talao, was still under preparation. The revised layout of Haji Ali Park, Hornby Vellard, received Government sanction during the year under report. The Corporation also approved of the re-development and layout of land on which Mahalaxmi semi-permanent sheds are situated.

Out of the total area of 139.36 lac sq. yds. (about 2,879 acres) vested in or acquired by the ex-Trust, about 37.3 per cent. remained to be developed and out of the developed area, 3.5 per cent. remained to be leased, including an area of 1,64,680 sq. yards 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 previous year, viz., 51.97 lac. sq. yds., the cost of acquisition of which is Rs. 1,87.09 lacs as reported in the previous year.

During the year under report only one Municipal plot admeasuring 1,286 sq. yds., was disposed of, while the number of plots disposed of in the previous three years were 1, 3 and 2, respectively.

The area of Trust land disposed of on permanent basis during the year showed a decrease over that for the last year but the value realised thereon is comparatively more, viz., 4,288 sq. yds., and Rs. 3.50 lacs, as against 11,871 sq. yds. and Rs. 6.69 lacs, respectively, in the preceding year.

During the year, in all 10 plots covering a total area of 8,879 sq. yds. and valued at Rs. 4.51 lacs were leased. The corresponding figures for the last two years were 21 plots, 16,371 sq. yds. and Rs. 7.82 lacs and 11 plots, 14,923 sq. yds., and Rs. 5.86 lacs, respectively. The total number of plots disposed of upto the end of the year of report was 4,233 taking into account 3 plots surrendered during the year under report, with an area of 59.68 lac sq. yds. valued at Rs. 12,33.05 lacs as against 4,226 plots with an area of 59,63,611 sq. yds. valued at Rs. 12,29.55 lacs, respectively, in the previous year. Commutation of ground rent in respect of plots leased on long term basis is being discouraged as the same is not considered advantageous to the Corporation.

Of the 10 plots leased during the year, 9 were leased on rental basis and 1 on premium basis, as against 21 plots during the preceding year out of which 5 plots were leased on rental basis and 16 on premium basis. The total annual rental to be derived from 9 plots was estimated at Rs. 17,769 as against for 5 plots estimated at Rs. 23,855 in the preceding year. Of the plots leased during the year, the highest number was 6 in Scheme 52, Worli Estate.

During the year under review an amount of Rs. 14.29 lacs was received by way of commutation of ground rent, premium, etc., as against Rs. 12.86 lacs, Rs. 9.68 lacs and Rs. 10.12 lacs in the preceding three years.



At the commencement of the year, the Department had in its charge 571 acquired or surrendered buildings against 568 in the preceding year. These contained 5,023 tenements. At the end of the year there were 568 buildings with 5,064 tenements the difference being due to demolition of 10 structures and acquisition of 7 structures during the year. New residential accommodation comprising 497 tenements became available in the apartments constructed by lessees during the year.

To provide shelter to the City's pavement dwellers construction of a Dormitory to accommodate 300 persons at a time was started on Plots Nos. 9 and 10, Palton Road Estate, on Sabu Siddick Road, near the Carnac Bridge during the year under report by laying foundation stone on 31st March 1955. The Dormitory will cost about Rs. 4.03 lacs. The Standing Committee hope that this belated amenity provided by the Corporation will receive due support from the public and its construction will be prelude to numerous others in different parts of Greater Bombay.

At the present rate of rents of Municipal tenements, losses are being incurred by the Corporation every year and to compensate that loss the Commissioner had placed before the Corporation a proposal for increase in rents of *ex-Trust* Chawls built prior to II World War by 50 per cent. in respect of residential rooms and 60 per cent. for shops and godowns and for creation of Amenity Fund and Rent Equalisation Fund. The proposal was under consideration of the Corporation during the year under report.

The monthly rent charged for one-room, two-room and three-room tenements in permanent *ex-Trust* Chawls ranged, respectively, from Rs. 4-15-0 to Rs. 10-13-0 from Rs. 18-8-0 to Rs. 25 and from Rs. 30-13-0 to Rs. 36-1-0 and Rs. 8 for larger rooms with partition, remained the same as in the previous year. 194 tenements at Sewri were charged rent at Rs. 25 per tenement per mensem. 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 to the Corporation than incurred by private landlords. The average population in the chawls during the year was 62,042 as against 62,008 and 61,217 in the previous two years, while the corresponding figures for semi-permanent sheds including Labour Camp were 29,900, 29,088 and 26,629, respectively. The death rate in the chawls during the year was 2.5 per 1,000 against 3.6 and 4.5 in the preceding two years. The decrease in the death-rate is an index to better living conditions obtaining in Municipal chawls.

With a view to relieving housing shortage in the City, the Corporation have permitted construction of an additional floor on buildings on plots in *ex-Trust* and Shivaji Park Estates. In accordance with this policy, additional floors on 47 buildings were sanctioned to be constructed during the year on payment of extra premium of Rs. 0.82 lac and an annual extra ground rent of Rs. 5,909. Construction of 36 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. 0.55 lac and extra ground rent amounting to Rs. 1,422. With a view to encouraging construction of larger number of additional floors, the Corporation lowered the rates of extra premium from Rs. 2 and Rs. 4 to Rs. 1-8-0 and Rs. 3 in respect of lessees who will complete construction before 31st March 1960.

With the object of maintaining sanitation, etc., in the Municipal chawls and buildings the enforcement of Bye-laws framed by the Corporation was continued along with the propaganda work and the supervision of the inspecting staff, during the year, as a result of which fines amounting to over Rs. 310-14-0 were recovered. The amount of fines realized is utilized for providing First Aid sets and sick-room requisites, such as thermometers, hot water bottles, etc., at 8 Chawl Centres, Matunga Labour Camp, Dharavi and Mankhurd Colony.

On the declaration of the Award of the Collector of Bombay in connection with 38 plots in Scheme 57, Sewri-Wadala Estate, in favour of the Municipality as the sole and only interested party, the matter regarding the reconveyance of the plots was referred to the Municipal Solicitor for advice which is awaited.

During the year under report, acquisition proceedings of the sites of Manbudruk and Majas Villages, requisitioned in 1951 and 1952, were continued. Out of 58 acres of land in Manbudruk Village, about 46 acres of land was awarded at Rs. 1,67,230 by the Special Land Acquisition Officer, the remaining land admeasuring about 15 *gunthas* was denotified being unsuitable.

During the year under report, compensation to the extent of Rs 1.19 lacs as per Collector's Award in respect of the land at Jogeshwari was paid. The possession of land was taken and a new Squatters' Colony was opened at that place. The Government of Bombay was opened at that place. The Government of Bombay was pleased to make a non-recurring grant of Rs. 5 lacs to the Corporation to meet the cost of acquisition of the land and constructing colonies for squatters at Mankhurd and Jogeshwari.

During the year 1,922 ejectment suits were filed against the tenants for sub-letting rooms as also for recovery of arrears of rent, taxes, etc., as against 1,516 and 1,300 in the previous two years. Four claim suits were filed during the year. An expenditure of Rs. 21,604-2-0 was incurred for filing these suits during the year and a sum of Rs. 17,656-3-6 was recovered towards Court costs.

23. The rainfall during the year was above normal. The Tansa Lake, the principal source of City's water supply over-flowed continuously for four weeks. The Tulsi Lake also over-flowed for about seven weeks. The Vehar Lake, which had ceased over-flowing since 1938, over-flowed for about four weeks during this year. It is pertinent to note that the Vehar Lake had not overflowed since the year 1938, in spite of the fact that water was transferred to the lake from the Tansa Lake and the fact that it also received the over-flow of the Tulsi Lake. The average daily supply to the City during the year under report was about 133.76 millions gallons against 120.41 million gallons, 119.31 million gallons and 119.98 million gallons in the previous three year.

During the year, the quantity of water supplied to the City and the Suburbs was 48,822.40 million gallons against 43,949.50 million gallons, 43,553.00 million gallons and 43,926.00 million gallons in the previous three years. Out of the above quantity, supply to the Thana Municipality was 140.85 million gallons against 144.35 million gallons in the previous year. Water supply to bodies outside the limits of Greater Bombay was 270.59 million gallons against 289.70 million gallons in the preceding year. Of the total supply, a quantity of 34,364.60 million gallons or 70.20 per cent. was for domestic purposes against 21,052.92 million gallons or 47.90 per cent. in the previous year which registers an appreciable increase. 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 47.06 gallons, while that for domestic purposes only worked out to 33.00 gallons. Percentage of total supply for domestic and other purposes worked out at 70.20 and 29.80, respectively. Total quantity of water supplied by meter measurement for domestic purposes was 3,955.42 million gallons and that for trade purposes was 8,294.70 million gallons of which 3,634.64, million gallons were consumed by mills, *i.e.*, 8.30 per cent., 602.20 million gallons were consumed by the Bombay Port Trust, *i.e.*, 1.38 per cent., 3,173.00 million gallons of water or 7.23 per cent. were wasted due to leaks and other losses through Municipal mains, etc.

There was only one major burst, 27 major leaks, 2,649 minor leaks on trunk mains and 164 leaks on the duct line and 197 leaks on syphon mains. All the leaks were promptly repaired. Water from the three lakes was sterilized by chloramine treatment. Supply from the Tulsi Lake was sterilized after pre-treatment of potassium permanganate and filtration.

The total calls received from the Fire Brigade Department was 1,081 as against 1,247, 986 and 1,071 in the last three years. They were promptly attended to. The total quantity of water used on fires by the Fire Brigade was about 2 million gallons as against 3 million gallons in the previous year. In order to enable the staff to attend the fires promptly, two fire vans were permanently maintained for 24 hours, one at the Babula Tank Office and the other at 'F' Ward Office. Similarly, one such van was maintained at night only at 'G' Ward Office.

10 Gardens in the Outside City Division were maintained during the year. The number of visitors to the Tansa and the Vehar lakes on Sundays and holidays was about 60,000 and 2,00,000, respectively, against 10,000 and 80,000 respectively, during the previous year. Additional amenities in the shape of a children's park, boat house, giant's castle, etc., were fully utilized by the public.

The number of complaints about short supply, etc., decreased to 13,629 during the year, as against 23,245, *i.e.*, a decrease of 41.7 per cent., over that in the previous year. 5,265 notices were issued on owners of houses for defects in water fittings on their premises, as against 3,887 notices in the past year.

During the year under report, works in connection with the laying of 96" main and making cross connections with trunk mains necessitated isolation of the mains at frequent intervals which resulted in reduction of water supply to the City, resulting in increase in short supply complaints during such periods. However, the system of dealing with short supply complaints was overhauled and each complaint was classified by Wards or Zones and reports were obtained from the Inspectors by fixed date and on receipt of such report action was taken by the Department. In cases of acute shortage where landlords adopted dilatory tactics, the tenants were asked to apply to the Municipal Commissioner for authority under Section 499 of the Bombay Municipal Corporation Act to carry out the notice work at the owner's cost.

The work of house to house inspection of leaky taps and fittings throughout the City had been discontinued in the previous year due to curtailment of staff. However, due to large number of cases of wastage due to leaky taps it appeared necessary to revive this work and

proposals in that respect were under consideration by the end of the year. Anti-waste campaign by exhibiting cinema slides and posters was continued during the year with full vigour. Out of 3.15 lac taps inspected 49,313 taps were rewashered and 1,093 taps were renewed. The corresponding figures in the previous year were 3.46 lac taps inspected, 50,639 rewashered and 1,359 taps renewed.

8,833 meters of various sizes were maintained during the year as against 8,576 in the previous year. The revenue derived from the supply of water by meter measurement during the year amounted to Rs. 134.07 lacs as against Rs. 145.36 lacs in the last year for the City only.

The total number of water connections in the City was 60,761 as against 59,606; 58,595 and 57,402 during the preceding three years. During the year 1,256 new connections were made. The figures for the previous year were 1,186. 1,111 cases were reported to the Standing Committee for severing water connections during the year as against 732 in the previous year. Of these in 264 cases water connection was cut off but subsequently restored, in 49 cases it was cut off and in the remaining cases orders were not carried out as the consumers complied with Municipal requisitions.

With a view to preventing undue wastage of water and short supply complaints on upper floors, the programme of fixing meters was pursued in order to minimise wastage and to prevent excessive use of water. 236 new properties were metered during the year.

During the year 1,282 cases of compounded water charges for water used for construction purposes were framed with a revenue of Rs. 6.03 lacs as against 1,007 cases with a revenue of Rs. 2.79 lacs in the previous year.

The work of maintenance of gardens along the slopes of Gibbs and Ridge Roads (known as Hanging Gardens), Sir Paeroseshah Mehta Gardens on the top of the Malabar Hill Reservoir, Joseph Baptista Gardens on the top of the Bhandarwada Hill Reservoir, the Ladies' and Children's Gardens at Ridge Road and the Kamala Nehru Park, was under the control of this Department. The work of providing electric lights at the Kamala Nehru Park at Malabar Hill was nearing completion at the end of the year and when that is completed the Park will be kept open till 9 P.M. for the convenience of the public. To afford further convenience to the visitors, the Corporation approved of a proposal to construct a sanitary block at the Sir Paeroseshah Mehta Gardens. Construction of the Powai Park at an estimated cost of Rs. 1,29,895 on a 43 acres picturesque country-side plot of land near the Powai Lake was sanctioned, during the year and work costing Rs. 45,000 was completed by the end of the year.

Similarly, as with the growing popularity of Tansa Lake and due to increased transport facilities, the number of visitors and picnickers to the lake had increased in the past, to provide them with adequate facilities a pavilion was constructed at the lake and lawns were laid out and drinking water and sanitary arrangements were provided at a cost of Rs. 30,000.

The work of laying two outlets from the Malabar Hill Reservoir to serve the Kalbadevi and the Fort areas was continued during the year. The Kalbadevi outlet was put into commission upto Dr. Viegas Street on 18th March 1954. The work of laying 30" steel main in Thakurdwar Road was taken in hand.

During the year the Corporation approved of an estimate of Rs. 70.00 lacs for the work of protection of steel mains by patch-plating and guniting them and 1,048 R.ft., of the 57" mains were patch-plated and gunited by the end of the year. Similarly, the Corporation also approved of an estimate of Rs. 42.58 lacs for the work of providing concrete blocks under steel mains with a view to protect them from corrosion due to soil contact and also to facilitate painting work. The work of providing such blocks for a length of 6 miles was given by contract at a cost of Rs. 3.34 lacs.

During the year, Section 173 of the Bombay Municipal Corporation Act was amended to enable the owners to recover the difference between water charges paid by them by meter measurement, resulting from the new policy of metering domestic supply. Similarly, Section 276 of the Act was also amended to permit the tenants to have their own meters subject to rules to be approved by the Commissioner. These rules were under preparation by the end of the year.

The Standards Branch continued to function for the department during the year under report. The total reduction effected upto the end of the year was 499 men from the City and 33 men from Suburbs, resulting in a saving of Rs. 4.83 lacs per annum.

The total expenditure incurred on water works amounted to Rs. 1,71.23 lacs including Rs. 1,31.24 lacs for Sinking Fund charges, etc., for loans raised for water works. The total revenue derived was Rs. 1,95.79 lacs, the excess of income over expenditure thus being Rs. 24.72 lacs.

24. During the year under report, the work of excavations of the foundations of the Dam, Guide Walls and Aprons, etc., was completed. The work of providing a grout curtain at the upstream face of the Dam was carried out by drilling 1 3/4" diameter holes along the length of the Dam through the foundation gallery and grouting the same with cement at 150 lbs. per square inch. The total depth of such holes drilled and grouted came to 10,200 R.ft. 7 thermometers were installed in the body of the Dam to study the temperature gradients from time to time and in all 94 instruments have been embedded. A total quantity of 55.72 lacs C.ft. of concrete was laid during the year, and the total work done upto the end of the year was about 194 lacs C.ft. During the year under report, the Corporation also sanctioned the work of supplying, erecting and setting to works four electrically operated and four buoyancy operated Tainter Gates. This work is in progress. The lubricating oil filter put into operation last year so as to effect economy in the use of oil worked for 1,478 hours and 6,448 gallons of lubricating oil were filtered and re-used.

Tunnels between Vaitarna and Tansa with ancillary works, such as, construction of R.C.C. Intake Tower, construction of Bifurcation Chamber, etc., were completed in all respects on 28th July 1953. The work of formation for laying 120" dia. pipe line and road from Tunnel face No. 6 to Tansa was completed on 12th June 1954. The work of formation and laying pipe lines continued during the year under report and out of 20 miles of pipe-line to be laid under the first stage, practically full length was completed at an approximate cost of Rs. 1.26 crores and side by side, work under second stage was also started and 5 miles of pipes were fabricated and 3/4 miles laid in position. The cost of the second stage works completed upto the close of the financial year was Rs. 4.65 lacs.

During the year under report, the work of construction of the structure to house the new Chlorination Plant required for sterilising the additional supply was taken in hand departmentally.

A number of works, such as, preparing trenches, providing anchor blocks, etc., were carried out departmentally and the total cost of such works completed during the year came to Rs. 10.29 lacs.

*Land Acquisition.*—Out of the total area of 3,991 acres involving 671 holdings of private, Inam and Government lands, awards of compensation amounting to about Rs. 6.75 lacs in respect of 435 holdings were declared.

The land acquisition reference filed by the Inamdar of Tembha was decided during the year and he was awarded an additional compensation of Rs. 2,26,000 against his fantastic claim of Rs. 85 lakhs. The other three references filed by him were dismissed with costs. Out of the total area of 35 acres of private, Government, Railway and Aerodrome land comprising 150 holdings acquired for the work of laying 96" diameter pipe line from Powai to Mahim, awards of compensation amounting to Rs. 0.13 lac, in respect of 15 holdings were declared during the year under report. Further proceedings were in progress.

*General.*—Various amenities at the Vaitarna Camp for facility of work and for recreation, to the staff engaged on the site, such as, water supply, transport, telephone, communication, medical aid, primary school, post and telegraph service, etc., functioned satisfactorily. 10 Rain gauging stations were established in the Catchment Area of Vaitarna and data of rainfall was collected. The average rainfall in the catchment area was about 138 inches.

October 6, 1954, was a memorable day in the history of the V. T. Scheme on which day, the Vaitarna waters were first transferred to the Tansa Lake on completion of the first phase of the Scheme. The Inauguration Ceremony was performed by Pandit Jawaharlal Nehru, Prime Minister of India, at a grand function for which a special grant of Rs. 26,000 had been allotted. The event marked a decisive stage in the progress of the scheme, viz., stabilization of Tansa Lake supply.

The total expenditure booked upto 31st March 1955 for the various items of the Scheme came to about Rs. 11,52.13 lacs.

The work of strengthening the Tansa Dam was completed on the 20th March 1955, at a cost of Rs. 50.94 lacs against the contract amount of Rs. 58.96 lacs which is indeed a matter for gratification.

25. During the year, the total number of Fire Stations remained the same as in last year, viz., 11 in the City proper and 1 in the Suburbs, at Andheri, which started functioning from 1st March 1954. To provide fire services for distant merged areas, a provision for two new Fire Stations—one at Chembur and the other between Ghatkopar and Vikhroli—has been made in the Budget Estimates for 1955-56.

The Fire Brigade received, during the year 1,286 calls against 1,247, 1,154 and 1,729 calls during the preceding three years. Out of these, 902 calls were for actual fires as against 657, 608, and 634 calls during the preceding three years. 212 calls were false alarms of which as many as 71 were due to mischievous interference with fire alarms, as against 347 and 124, respectively, in the preceding year. The number of false calls appears to be on the decline which is encouraging and is an evidence of better civic sense prevailing in the minds of unsocial elements. 172 calls against 115 and 83 in the preceding two years were for special services. Of these, 129 were in respect of fallen buildings and 43 for rescue work, etc.

During the year under report, one new Fire Engine with extension ladder and two trailer fire-pumps and two Fire Tenders were added to the existing appliances in the City proper. The newly opened Fire Station at Andheri was fully equipped with necessary appliances including a Fire Engine, Motor Ambulance, CO<sub>2</sub>, and Foam Crash Tender. The Foam Crash Tender is primarily meant to meet any emergency arising out of an air crash in the Air Port areas.

The City was served by 206 fire alarm posts (including private ones) as against 208 and 204 in the preceding two years. These were connected to 12 Fire Stations. About 50 per cent. against 55 per cent. and 57 per cent. in the last two years, of the total calls received for fires, etc., were transmitted through this system.

During the year under report, the Brigade got two persons arrested for malicious interference with Hydrants and Fire Alarms. They were fined Rs. 5 and Rs. 10, respectively, by the Court. The fines inflicted do not appear to be deterrent so as to prevent recurrence of such abuse of Municipal emergency services.

There were 6 major fires in each of which the estimated loss exceeded rupees one lac. The estimated total loss to property damaged or destroyed by fire was about Rs. 31.25 lacs as against Rs. 28.12 lacs Rs. 53.7 lacs and Rs. 59.32 lacs, during the previous three years. The annual losses have thus been gradually brought down from about Rs. 94 lacs in 1948-49, due to the revised code of fire precautionary measures adopted by the Department for manufacture, storage, etc., of hazardous and combustible articles and the strict vigilance exercised in respect thereof by the inspectorial staff. The value of insurance of property affected by fire was about Rs. 20.20 lacs and the total value of property involved was about Rs. 11,12.85 lacs.

Casualties by fire, during the year under report, included 21 persons who were burnt to death, 39 persons who were severely injured and died subsequently in hospitals and 91 persons who received minor injuries but recovered ultimately. Corresponding figures of the last two years were 16 ; 22 and 81 and 9 ; 19 and 61, respectively.

The approximate quantity of water used in extinguishing fires was 22.49 lacs gallons of which 20.17 lacs gallons were drawn from Municipal mains, as against 30.77 lacs gallons and 27.47 lacs gallons, respectively, for the preceding year and the rest from the sea, tanks and wells.

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, however, continued to be referred to this department to ascertain the suitability or otherwise of premises for their storages. This department had also to inspect storages of dangerous petroleum, fire works, etc., before licences were recommended to be issued by the Commissioner of Police. 179 such storages were inspected before licences were issued by the department during the year, as against 155 and 108 in the preceding two years. 5,962 sites proposed for establishment of hazardous trades, etc., were inspected by the department and necessary precautions against fire were recommended in each case.

As no case for such storages licenced by the Inspector of Explosive, West Circle, Bombay, was referred to the Department for recommending suitability or otherwise, Government of India was approached for their co-operation in the matter. It is sincerely to be hoped that Government will realize the danger involved to life and property of citizens in the absence of a co-ordinated policy in matters of granting such licences and will give their assistance to the Municipality in this behalf.

During the year under report, one candidate deputed by semi-Government institutions was entertained for training in fire fighting, for a full term course of three months. Two Security Inspectors were deputed by the B. E. S. & T. Undertaking for training in short term course of one month.

The total number of calls within the limits of Greater Bombay received during the year was 6,388 of which 1,367 were for accidents, 1,729 for maternity cases and Ambulance Service. 3,292 for hire cases, removing in all 6,254 persons as against the corresponding figures of 6,172 ; 1,387 ; 1,913 ; 2,872 and 6,049 in the preceding year.

The total mileage covered by ambulance vehicles during the year was 50,655 as against 47,035 and 47,790 in the previous two years. The total receipts on account of hire cases amounted to Rs. 31,928 including arrears of the previous year as against Rs. 18,858, Rs. 18,778 and Rs. 18,296 in the preceding three years.

26. During the year under report, the Department maintained 95 sites for public recreation, consisting of 19 Gardens, 4 Fountains, 3 Band Stands, 7 Traffic Islands, 5 Open spaces, 52 Recreation grounds, 1 Statue and 4 Ornamental Box Hedges. Four new sites, *viz.*, (1) Recreation Ground at Plot C, Bhulabhai Desai Road, (2) Recreation Ground near St. General Hospital, (3) Play-ground at Sayani Road, and (4) a new site at the junction of DeLisle Road and Arthur Road, for Recreation Ground, were taken over by this Department during the year. A large number of music programmes for public entertainment was arranged during the year, as in the past and the number of persons attending them is an indication of their popularity. There were 18 Band Programmes, 28 Indian Vocal Music Programmes. 56 Orchestra Programmes and 424 Recorded music programmes at different places, in addition to this, music broadcast by the All India Radio was relayed every day in the Victoria Gardens between 5 P.M. and 7-30 P.M. through the Radio-Set installed thereat.

An Amusement Park was established during the year in the north-east corner of the Victoria Gardens. The Joy Rides introduced at a nominal fee of annas 3 per adult and anna one per child attracted the fancy of a large number of visitors and not less than 3,50,000 people availed of the rides. Besides, the Elephant and Camel Rides arranged inside the Victoria Gardens and Pony Rides for children provided a welcome added attraction.

Directed Children's Centre at the Victoria Gardens under the supervision of the Bombay Presidency Women's Council, and Directed Play Centers at Various Places, continued to be popular as in the previous years. Play apparatus were provided at 9 centres and special repairs and some new works were carried out at the Victoria Gardens and other public gardens at a total cost of Rs. 75,100.

During the year under report, a new scheme was adopted in respect of maintenance of Traffic Islands. Islands were allowed to be maintained by private parties and in return they were allowed to put up small boards stating the name of the parties maintaining the Island on payment of advertisement fees. The scheme proved very successful without involving any extra cost to the Corporation and the Islands looked prettier and more attractive than before.

*Victoria Gardens.*—During the year the number of visitors to the Gardens was 49,31,407 as against 54,28,836 and 55,12,299 in the previous two years. The decrease in the number of visitors as compared with the previous years' figures is attributed to the heavy monsoon during the year. Even then the number of visitors per day worked out to 13,510.

During the year about 4,000 square yards low-lying plots in the Victoria Gardens were levelled and laid out with lawn and flower beds. Classes to train students in important Horticultural Operations were held at the request of students of various colleges, twice a week, and were largely attended. A plot of land was also reserved for students where they carried on Horticultural Operations under the guidance of the garden staff.

During the year, the live stock in the Zoo decreased by about 3.8 per cent. The total figure included new births, purchases or exchanges made and presents received. Important acquisitions were 5 lion cubs, 1 tigress, 2 chimpanzees, 2 gelada babboons, 1 small riding pony for children, 3 king horn bills and 2 crowned cranes.

During the year, 427 animals and birds were treated and 67 specimens of patho-bacteriological interest were examined at the Bombay Veterinary College Laboratory free of charge.

The expenditure of the Gardens Department amounted during the year to Rs. 5.45 lacs as against Rs. 5.20 lacs and Rs. 4.79 lacs during the last two years, while the income by sale of flowers and plants, etc., was Rs. 38,052 as against Rs. 38,100 and Rs. 25,357 during the last two years.

The Vegetable, Fruit and Flower Show held during the year attracted a large crowd of about 50,000 visitors.

The Victoria Gardens was adjudged as the best public garden in the City. Many prizes were won in Flower and Plants Sections. The prize-money was distributed amongst the Malis, who had produced the exhibits as an incentive to better results.

27. The Museum was kept open to the public for 302 days as against 305, 305 and 299 days in the preceding three years. The total number and the daily average of visitors during the year was 11.65 lacs and 3,859, respectively, against 10.25 lacs and 3,362 of the preceding year. During the year, 12,606 pupils from Primary and Secondary Schools in the City visited the Museum, as against 14,077 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.

Victoria and Albert  
Museum.

During the year under review, the Propaganda Branch of the Public Health Department, put up 6 life-size models with cases and a new gallery named 'Civic Sense Gallery' was opened in the Museum. Similarly, the Estate Agent and Land Manager lent two models showing development of Dadar-Matunga Estate and Bellasis Road Chawls. All these proved of much interest to visitors.

18 Books were added to the Museum Reference Library, which continued to be popular with students of Art and History.

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) on 110 ticket days and by sale of 3,200 copies of the Victoria and Albert Museum Brochure, came to Rs. 8,825-10-0 and Rs. 200-0-0, respectively. These amounts were credited to the Special Fund called the Victoria and Albert Museum Fund. The total expenditure on the maintenance of the Museum during the year was Rs. 38,500 as against Rs. 39,146 in the previous year.

28. During the year under report, the number of Libraries and Reading Rooms maintained was 18, as against 14 in the previous year. The increase was due to the merger of three Suburban Libraries into City Libraries, viz. Libraries at Kurla, Ghatkopar and Vile-Parle, and the opening of a new Municipal Library at Sewri.

Municipal Free  
Reading Rooms and  
Libraries.

With the approval of the Book Selection Committee, in all 804 books on various subjects and in different languages were purchased at an aggregate cost of Rs. 2,514-9-3 as against 352, 521 and 721 books at a cost of Rs. 1,065, Rs. 1,572, and Rs. 2,048-11-0, respectively in the preceding three years. It is reported that more books could not be purchased for want of accommodation in the Library premises. The Standing Committee would suggest that efforts should be made to locate Municipal Libraries in more commodious premises wherein a sufficient number of books can be maintained for the benefit of the readers visiting the institutions. The total number of visitors to the Reading Rooms and Libraries during the year was 2.33 lacs, as against 2.27 lacs, 2.49 lacs and 2.66 lacs during the preceding three years.

The Department which was under the Curator, Victoria and Albert Museum, was brought from July 1954, under an independent Officer designated as Chief Librarian. Three Libraries in the Suburbs also were given under the charge of this Officer. Further to implement the re-organization scheme approved by the Corporation, the replacement of Librarians by Library Attendants was partially carried out during the year. In January 1955, a new Library was also opened at Sewri in the new Municipal tenements.

The cost of conducting the Libraries during the year amounted to about Rs. 49,886 and the Income of the Department was about Rs. 1,210 as against Rs. 46,119 and Rs. 48,003 and Rs. 1,349 and Rs. 1,890, respectively, during the preceding two years. The expenditure for running the three Libraries in the Suburbs during the year amounted to Rs. 5,033 and the income derived in respect thereof was Rs. 682.

29. Tenders were invited for the purchase of stores during the year in 136 cases as against 170, 169 and 157 in the previous three years and the number of contracts entered into for the various scheduled articles was 292 against 167, 141 and 143 in the preceding three years. Besides these contracts, large quantities of materials like cement, iron and steel products, food-grains, etc., were secured at controlled rates from authorized stockists. The value of stores and other materials purchased during the year amounted to Rs. 65.69 lacs against Rs. 58.87 lacs, Rs. 68.30 lacs and Rs. 59.15 lacs during the previous three years. The increase was mainly due to the purchase of cast iron and hume pipe and iron materials. Of the total purchases made, stock of the value of Rs. 62.45 lacs was of Indian manufacture and the balance, viz., Rs. 3.24 lacs represented the value of foreign goods. During the year, 12 Import Licences were received for Fire Fighting Hose, Sluice Valves and spares parts for Crushers, the total purchase of which amounted to about Rs. 4.6 lacs.

Central Stores.

During the year about 17,375 tons of cement worth about Rs. 18.93 lacs were purchased. Likewise, 2,233 tons of Iron Materials worth about Rs. 11.26 lacs were also purchased. It is reported that the quantities of pipes and steel materials purchased during the year were more than those purchased last year but comparative figures of value or volume of purchases are not given in the report. With the lifting up of controls, this department was entrusted with the work of supplying foodgrains to the various Municipal medical institutions. Wheat and rice weighing about 4,651 Bengal maunds were purchased at a value of about Rs. 0.84 lac.

3,855 orders for the purchase of stores against 4,943 ; 5,279 and 5,311 in the preceding three years were placed with contractors and other dealers. Against these purchases and stock on hand, the consuming departments submitted 42,268 indents and sales memos as against 44,388, 44,418 and 46,061 in the preceding three years. The total turnover of the department, viz., receipts and issues of stores, during the year was Rs. 138.78 lacs, as against Rs. 119.49 lacs, Rs. 125 lacs and Rs. 114.35 lacs in the preceding three years. At the close of the year, the department had on hand stores of the value of Rs. 29.34 lacs, as against Rs. 36.75 lacs, Rs. 38.49 lacs and Rs. 26.88 lacs in the preceding three years.

As in the preceding years, mixed scrap and other unserviceable articles received from different departments were sold by public auction but cast iron scrap as also brass and other non-ferrous scraps were reserved for the Municipal Foundry. The total amount realized by sale of scrap, etc., came to Rs. 0.32 lac as against Rs. 0.44, Rs. 0.35 and Rs. 0.49 lac in the last three years.

Since the last three years, this Department is under observations of Messrs. Ibcn, Ltd. Against the potential reduction of 32 per cent. of staff recommended, so far a reduction of only 12 per cent. has been effected as against 8 per cent. and 7 per cent. effected during the last two years. The retrenched staff has been absorbed in leave vacancies and in posts falling permanently vacant due to retirement, etc. With the slow progress of implementation of reorganization proposals, it is not understood when the total reductions envisaged by Messrs. Ibcn Ltd. will be realized. It is possible that in years to come with the growth of development it may not be possible to achieve the reduction in staff ; but on the contrary there may be a necessity for an additional staff. In that case, how will it be possible to gauge the benefits expected from the reductions suggested by Ibcn,

During the year under report, Messrs. Ibcn Ltd., were entrusted with the work of Inventory Control and General Stores Expenses for a period of 4 months from 28th September 1954 to 27th January 1955. Reports submitted on this scrutiny are placed before the Corporation for their information and steps will be taken as far as possible to implement various suggestions made in the matter.

30. During the year 36,721 licences and permits were issued against 36,672 and 36,649 in the previous two years. The amount of fees recovered therefrom came to Rs. 9.99 lacs during the year under report as against Rs. 10.29 lacs and Rs. 10.25 lacs in the preceding two years. At the end of the year, an amount of Rs. 97,896 was outstanding in respect of 1,63 Notices of Demand, against outstandings of Rs. 75,780 and Rs. 1,20,310, respectively, for 1,558 and 1,959 notices for the previous two years. Against a negligible outstanding of Rs. 9,177 for 1951-52, the outstandings during the three following years appear to be enormous and require to be seriously watched and scrupulously reduced. The Standing Committee fail to realise the reason or reasons for this mounting outstandings in the absence of any explanation therefor in the report. The departmental administration should strive hard not only to reduce but also to completely wipe out these outstandings. The loss of revenue incidental to disuse or demolition of old licensed places amounted to Rs. 0.40 lac as against Rs. 0.46 lac., Rs. 0.52 lac and Rs. 0.38 lac in the preceding three years.

The total number of permits issued for exhibiting sky-signs, advertisements, etc., was 3,645 realising Rs. 4.16 lacs as revenue. The corresponding figures for the last three years were 3,592, 2,908 and 3,358 and the amount of fees collected came to Rs. 4.80 lacs., Rs. 2.91 lacs and Rs. 4.13 lacs, respectively.

The Department instituted 6,693 prosecutions for offences under Sections 328, 328-A, 394 and 412-A of the Bombay Municipal Corporation Act, as against 4,015 ; 2,535 and 2,802 during the previous three years. The total amounts of fines inflicted was Rs. 0.20 lac only as against Rs. 0.41 lac, Rs. 0.28 lac and Rs. 0.84 lac in the previous three years, respectively.

The reasons for an increase in the number of prosecutions and the decrease in the amount of fines inflicted are not explained in the report. The Standing Committee note from Appendices to the report that increase in the number of prosecutions instituted under Sections 328 and 328A show a marked rise of 4,508 against 1,757, and 567 in the preceding two years.

It is significant to note that against 6,693 prosecutions instituted during the year, 4,884 were withdrawn on compliance with law.



The total revenue of the Department during the year was Rs. 20.23 lacs against Rs. 20.94 lacs, Rs. 18.89 lacs, and Rs. 18.92 lacs in the previous three years.

The number of squatters and hawkers licences issued during the year was 26,202 and the earnings therefrom amounted to Rs. 4.30 lacs against 30,392, 35,985 and 43,761 for similar licences issued during the previous three years which had then realised Rs. 3.75 lacs, Rs. 3.89 lacs and Rs. 3.47 lacs, respectively.

On going through the report, it is observed that the amount outstanding from squatter licence fees on 31st March 1955 was only Rs. 0.16 lac and the loss of revenue incidental to the cancellation of Reserved Areas was nil, as against Rs. 0.55 lac and Rs. 1.20 lacs in the previous two years. In the report, a summary mention has been made of the measures taken to have an improved working of the Encroachment Section so as to weed out unauthorized traders and to give relief to the public from the nuisance otherwise caused by them.

31. The total number of establishments under the various categories excluding Theatres, etc., on 31st March 1955, were 86,129, as against 82,348 and 78,732 in the previous two years.

Administration of Shops and Establishments Act of 1948.  
2,177 complaints were received in addition to 232 pending from the preceding year, out of which 2,387 were investigated, leaving 22 complaints pending at the close of the year. 367 mass raids, against 200 and 270 in the preceding two years, were carried out upto the end of the year. The number of visits and revisits paid to different types of establishments was 60,108 of which 48,447 were to shops, 6,600 to commercial establishments, 4,760 to restaurants, and 184 to residential hotels. The corresponding figures for the previous year were, 67,510, 52,768, 7,869, 6,438 and 326, respectively.

At the beginning of the year 478 prosecutions were pending, while 3,796 new prosecutions were instituted during the year, making up a total of 4,274. Of these prosecutions, 3,463 resulted in convictions, 20 in acquittals while 83 cases were withdrawn. The number of cases pending at the end of the year was 708. The total amount of fines realized was Rs. 1,17,518 giving an approximate average of Rs. 33-14-8 per case as against Rs. 1,27,481 and Rs. 32-11-2, respectively, in the previous year.

Total expenditure incurred in administering the Act in 1953-54 was Rs. 2,76,948, against which the Government grant-in-aid was Rs. 1,27,481. The corresponding figures in the previous year were Rs. 2,86,571 and Rs. 86,169, respectively.

In spite of various efforts made to secure an increased grant, Government is not prepared to do anything in the matter and has shelved the issue on one pretext or another. In the opinion of the Standing Committee, the only way to get out of this recurring financial burden on Municipal Fund is to hand over the entire administration to the State Government who were primarily responsible for enacting this piece of social legislation.

The total income from the Registration fees and fines realized during the year under report was Rs. 13,963 and Rs. 1,17,518, respectively, as against Rs. 13,501 and Rs. 1,27,481, respectively, in the previous year.

The total revenue of this Department during the year under report was Rs. 5.55 lacs against Rs. 5.07 lacs, Rs. 7.07 lacs and Rs. 4.81 lacs in the previous three years. Reduction of 9 posts of Inspectors from 1st December 1953 on account of reorganization of the Department, resulted in a fall in the numbers of visits to Establishments by 7,402. However, there was no appreciable fall in the number of prosecutions launched during the year.

The administration of 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 total number of establishments under this category on 31st March 1955, was 74, as against 74,73 and 71 in the previous three years. The total number of visits and revisits paid to Theatres, etc., was 117 as against 109, 157 and 208 in the previous three years. The reasons for a reduced number of visits and revisits during the last two years are possibly due to reduction in staff.

The rates sanctioned by the Corporation for the levy of Theatre Tax for the year 1954-55 were the same as for the previous year. A rebate of 12 1/2 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 and Theatres or places hired out for the purpose where admissions were on payment. Exemption from payment of the Theatre Tax was granted in respect of performances held for the benefit of *bonafide* charities or for the uplift of cultural and educational

activities. The total income derived during the year was Rs. 5.39 lacs against Rs. 4.91 lacs, Rs. 6.89 lacs and Rs. 4.66 lacs in the previous three years.

During the year under report a new Rule No. 3A was incorporated in the Theatre Tax Rules, which empowered the Commissioner to grant rebate of 12.1/2 per cent. and 20 per cent. to Class I and Class II Cinema Theatres, provided the Theatre Tax for the month was paid in advance within first five days of the month. It further empowered the Commissioner to grant rebate with the sanction of the Standing Committee, not exceeding 20 per cent., subject to the same conditions of advance payment, etc., in respect of circus, carnivals, fete, Gramas, etc.

32. Total receipts of the department during the year amounted to Rs. 37.01 lacs against Rs. 36.14 lacs in the previous year, showing an increase of Rs. 0.87 lac, which was mainly due to increase in receipts from stallage charges, squatters fees and the Arthur Crawford Market Scale-shed fees.
- Markets.

Revenue from the Municipal markets would normally show a further upward trend if the authorities were to take effective measures to eliminate unauthorized hawkers and squatters in the vicinity of these markets. Similar observations were made by the Committee on this issue last year, but it appears that no effective measures have been taken by the authorities to secure to the Corporation its legitimate revenue by eliminating unauthorised squatters, etc.

The number of Municipal markets during the year was 21 (*i.e.* the same number as in the previous year) including two Squatters' Areas at Nowroji Hill Road and Parel Village and also the Plantain Market at Byculla recently taken over by the Corporation. The net receipts amounted to Rs. 18.62 lacs as against Rs. 17.03 lacs in the preceding year, thus showing an increase of Rs. 1.59 lacs, which was mainly due to increase in receipts from the Arthur Crawford Market, the Erskine Road Market, the Gopi Tank Market and the Gold Mohur Castle Market. The average percentage of vacant stalls per quarter was 7.86 against 7.51; 7.07 and 6.0, respectively, in the preceding three years. The total receipts from stallage charges, squatter fees, licence fees, etc., in respect of all Municipal markets amounted to Rs. 26.02 lacs, as against Rs. 24.81 lacs, Rs. 25.23 lacs and Rs. 23.24 lacs in the preceding three years. During the year under report, works of repairs, improvements, extensions, etc., to several Municipal markets were carried out. The work of collecting fees at the Arthur Crawford Scale-shed continued to be carried out departmentally and the revenue collected therefrom amounted to Rs. 5.49 lacs as against Rs. 4.59 lacs, Rs. 4.66 lacs and Rs. 3.25 lacs, realized in the preceding three years.

The number of private markets during the year was 21 against 22, 21 and 20 in the previous three years. A private market at Grant Road popularly known as the Dr. Hakim's Market was closed during the year. There was only one private Slaughter House. The licence fees realised therefrom was Rs. 0.76 lac as against Rs. 0.82 lac, Rs. 0.72 lac and Rs. 0.78 lac in the preceding three years. The licence fee in respect of two Private Markets remained to be realized, as the matter was still under negotiations.

The number of outside meat shops was 189 as against 188, 185 and 186 in the previous three years. An amount of Rs. 0.14 lac was realized by way of fees as against Rs. 0.12 lac in each of the preceding two years.

Special efforts were made to detect and prevent the smuggling of animals and contraband meat and unauthorized slaughter as also sanitation and congestion in market.

During the year, the total quantity of unwholesome articles of food, such as, meat, fish, fruits, vegetables, etc., including contraband meat seized and destroyed was 4.37 lac lbs., as against 5.01 lac lbs., 6.81 lac lbs. and 6.36 lac lbs. in the previous three years. The fall in the total quantity of unwholesome food-stuff destroyed is very remarkable but it is not known whether it is due to laxity in the inspection of food-stuffs or to sudden development of civic consciousness among traders to serve only wholesome edibles to customers which is rather difficult to believe. This fall appears to be progressive since the last four years. The Standing Committee would desire to have an explanation of this statistics.

The total number of animals brought to the fair ground at the Bandra Slaughter Houses during the year was 14.71 lacs as against 14.11 lacs, 14.31 lacs and 14.66 lacs in the previous three years. Of these animals, 8,594 against 8,025, 9,605 and 8,027 in the previous three years were rejected as unfit on *anti-mortem* examination.

The approximate weight of dressed carcass meat of buffaloes, cows and bullocks was 7,274 tons as against 8,182 tons in the previous year, while that of sheep and goats was 9,177½ tons against 8,883 tons in the last year. Of these 21 tons and 12 tons, respectively, against 24 tons and 12 tons in the previous year, were condemned, giving percentage of 0.29 and 0.13, respectively, against 0.30 and 0.15 of the previous year.

The total amount of slaughter and removal fees realized was Rs. 5.66 lacs as against Rs. 6.04 lacs, Rs. 5.96 lacs and Rs. 6.02 lacs during the previous three years.

The total number of animals slaughtered during the year was 13.80 lacs, against 13.22 lacs, 13.27 lacs and 13.47 lacs in the previous three years.

During the year under report high level conferences were held with Government representatives and others with a view to regulating the fruit and vegetable trade in the City. As a result certain improvements were effected.

The Superintendent of Markets, in his capacity as a member of the Bombay State Fruit and Vegetable Market Committee, visited important vegetable producing centres, such as, Ahmedabad, Poona, Belgaum, etc., where he explored the possibilities of importing more and more consignments of vegetables into the City from the producing centres.

During the year, at the request of the Indian Council of Agricultural Research, Ministry of Food and Agriculture, New Delhi, arrangements were made to market over 30,000 defertilized eggs received from Travancore State. Similarly, a big producer in Gwalior was helped in marketing over 500 baskets of green peas.

At the instance of the Government of India, a few consignments of graded mangoes were despatched by air to British Industrial Fair, London, with a view to finding a new market for Alphonso mangoes.

During the year owing to persistent demand, nearly 1,000 porters were licenced to work in different markets and were given new metal armlets for the purpose of their identification.

With a view to implementing the recommendations of the Masani Committee for the improvements of the Slaughter Houses, action was taken to remove the *Kena* sellers from within precincts of Slaughter Chambers. Another improvement was the removal of offals from day to day at night time and it considerably mitigated the vulture nuisance at the Bandra Slaughter Houses.

**33. Outstanding Activities.**—(i) An epidemic of Small Pox was declared in the City in the middle of March 1954. Anti-Small Pox measures, such as, mass vaccination with propanganda vans as well as disinfection, publicity, etc., helped to check the incidence of this disease which took a toll of 623 lives.

(ii) The incidence of Poliomyelitis was on increase during the monsoon. Out of 207 cases notified, 37 proved fatal, which was much lower as compared with that in the year 1949 when 389 attacks were reported of which 65 proved fatal.

**Births and birth rate.**—The number of live births recorded during the year was 63,072 which was more by 346 than the number for the previous year (62,726). However, it was 4,850 above the average of the decennium (1944-53). Of the registered births, 32,264 were males and 30,808 females, giving a proportion of 105 males to 100 females. The birth rate was 27.1 per 1,000 of the population as against 26.9 in the preceding year. The number of still births was 2,963 or 4.8 per cent. of live births.

**Deaths and death rate.**—The total number of deaths registered from all causes during the year was 32,008 as against 33,927 and 34,337 in the previous two years. It was less by 5,499 than the average annual mortality of the last ten years and by 3,257 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 13.7 against 14.6 and 14.8 in the last two years. Of the total 32,008 deaths, 18,063 were among males and 13,945 among females. The death rate among females was, however, higher than among males, the male death rate being 12.2 and the female death rate 16.4 against 12.9 and 17.5 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 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 next most fatal group, giving a death rate of 1.7. The causes coming next on the list for the year were old age (1.4) and Tuberculosis (0.9).

Deaths among infants under one year of age was 8,534 against 9,000 and 1,169 less than the annual average of the previous decennium. The infant mortality rate for the year was 135.3 per 1,000 of live births as against 143.5 in 1953.

**Maternity and Child Welfare.**—During the year under report the main clinics at the five maternity homes were kept open thrice a week instead of twice to cope with the rush at these

Centres. The ten subsidiary clinics were kept open twice a week as before. Aid was given to the poor mothers in the form of jaggery, ghee, milk, etc. Milk distribution scheme was continued with the object of giving aid to poor and undernourished women attending Municipal maternity homes. The number of cases admitted in these Homes was 11,308 against 10,908 and 10,697 in the preceding two years, while the number of confinements was 9,622 as against 9,343 and 9,188 in the previous two years. Of the confined cases 1,786 were *prima parae*, against 1,786 and 1,709 in the last two years.

Social services in the shape of ante-natal care, care at birth, care during infant and pre-school life were rendered to the public through the five Maternity Homes under the charge of lady Medical Officers with a staff of 25 nurses and 20 Health Visitors. The maternity unit at Dharavi was in charge of two trained Health Visitors. The Health Visitors paid 43,173 visits in various districts against 40,383 and 58,072 in the previous two years. The Health Visitors also attended 45 cases of confinements at homes as against 38 in the preceding year, while the Medical Officers personally visited 2,381 cases as against 2,781 cases in the previous year.

With a view to controlling material and infant mortality, advice and instructions, in spacing births were given confidentially by qualified lady-doctors to married women strictly on medical grounds at the 17 Family Planning Clinics. The total number of attendance at the Clinics was 6,782 as against 6,322 and 4,306 in the preceding two years and in all 4,353 women as against 3,923 and 1,939 women in the preceding two years were given free supply of the required appliances. It is gratifying to note that this scheme is becoming more and more popular among the women particularly of the low-income group.

The Maternal mortality rate recorded during the year was 1.1 as against 1.3 in the previous two years. Investigation into maternal mortality was completed during the year.

*Infectious Diseases.*—The total number of cases of infectious diseases reported during the year was 14,549. This figure is indeed alarming as compared to 5,401 and 4,925 for the previous two years. Some explanation was necessary for this sudden increase which, however, is lacking in the Report. Of these 14,468 (99.4 per cent.) as against 5,298 (98.1 per cent.) in the previous year were from the District Registrar and 81 (0.6 per cent.) against 104 (1.9 per cent.) in the last year from medical practitioners. There was no case of Plague. Cholera caused 1 attack which recovered. Small-pox caused 1,816 attacks (including 60 imported) and resulted in 623 deaths, and Enteric Fever caused 2,215 attacks (including 122 imported) with 232 deaths. Diphtheria caused 2,333 attacks (including 166 imported) and 140 deaths. Acute Anterior Poliomyelitis caused 207 attacks (41 imported) and 37 deaths.

During the year 87 persons were inoculated against Plague, 18,268 against Cholera and 2,23,903 against Enteric Fever as against 367, 1,29,837 and 2,39,333, respectively, in the preceding year. Primary Vaccination and revaccination against Small-pox done during the year were 72,941 and 16,05,135, respectively, as against 61,006 and 5,37,630, respectively, in the preceding year. In all 298 primary and 10,939 revaccination, was done under 'Pilot Scheme' introduced in April 1954, under which vaccinators went door to door to carry out vaccinations.

*General Sanitation.*—The principal causes contributing towards the insanitary conditions in some parts of the City were insufficiency of sewers, continuance of the basket privy system and high density of population per acre. There are some practical difficulties, such as absence of proper accesses, etc., in the way of rendering adequate conservancy service as regards collection, removal and disposal of refuse and also of shortage of water supply. There were 899 basket privies to be still converted on full-flushing system which, it is reported, were kept pending due to impending Town Planning Schemes. The routine inspection of dwellings to find out sanitary defects was made by the Medical Assistants and Sanitary Inspectors under the general supervision of Assistant Health Officers. During the year under report 246 insanitary huts were demolished as against 684 in the preceding year. 2,372 milch cattle in 12 stables in E, F and G Wards were yet to be removed to the Government milk colony at Aarey. The Standing Committee hope that steps would be taken to remove them outside Greater Bombay as early as possible.

*Control of rat pest.*—The total number of rats caught and destroyed during the year was 9.39 lacs as against 10.27 lacs in the previous year and rats examined were 461 as against 2,509 in the previous year. No rat was found infected with Plague.

*Control of stray Dogs.*—The work of destroying stray dogs and of licencing dogs was carried out as in the previous years. 11,774 stray dogs were caught as against 12,727 and 11,114 in the previous two years. Out of those stray and ownerless dogs caught, 10,152 were destroyed 1,009 were returned to the owners, 87 sent to hospitals for experimental purposes, 181 died or escaped and 105 were detained at the Kennel at the Mahalaxmi Refuse siding. 13,262 dog bite cases were reported during the year as against 12,338 and 10,380 in the preceding two years.

7,931 dogs were licensed under the Dog Licensing Act, as against 8,065 and 7,893 in the preceding two years. The total income by way of dog licensing fees, etc., was Rs. 41,012-4-0 as against Rs. 43,643-8-0 in the previous year. It is not understood why only 7,931 dogs were licensed when as many as 11,774 stray dogs were caught. A vigorous propaganda and strict vigilance in this direction appears necessary.

*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. During the year 225 and 892 talks were given by Medical Officers and School Health Nurses, in order to achieve the above object.

Ailing children were visited and revisited at their homes by the School Health Nurses as per directions of the Medical Officers, when they imparted instructions wherever found necessary to parents of ailing children as regards their care, diet, etc. 1,975 visits and 690 re-visits were paid during the year. In this way the possibility of recurrence of disease was minimised.

*Conservancy.*—Roads, footpaths and house gullies were swept twice daily as a normal routine. Some of the main roads were attended to with increasing frequency as was found necessary. House gullies were flushed and main roads were washed periodically. Refuse gathered by sweeping roads, footpaths and house gullies was collected 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. Dry refuse was sent for filling in low lying land at Hornby Vellard, Haines Road, Matunga, Railway lines and Dharavi. Domestic refuse was collected in galvanised sanitary bins with proper covers provided by the owners and was deposited in Municipal travelling carts and lorries or to the nearest dust-bin sheds.

*Insecticidal Service.*—Due to vigorous steps taken to control fly-nuisance by regular spraying and dusting of actual and potential fly-breeding places, the nuisance from flies was further reduced during the year. The use of 'Tifa' Unit was continued during the year and the insecticide fogging operations were carried out in about 241 lanes and by-lanes in the City. 15,196 houses were fogged during the year. Insecticides worth Rs. 1,52,292-5-6 were utilized during the year as against Rs. 91,728-1-3 and Rs. 74,799-11-0 in the previous two years. The work of private treatment on payment of fees was extended and the squads operated in all Wards of the City making the scheme popular. A sum of Rs. 47,569-10-0 was received as against Rs. 49,815-13-0 in the previous year for rendering insecticide service in private places.

*Malaria.*—Malaria was registered as the cause of 16 deaths as against 17 and 41 in the preceding two years. 12 deaths were ascribed to Ague and Remittent Fevers as against 3 in the preceding year. The number of clinical cases treated at the Municipal dispensaries was 48 as against 67 and 276 in the previous two years. Out of 2,138 wells in the City on 1st January 1954, 1,660 were hermetically cement concrete covered and 471 were open or partially opened wells. Out of these, 424 were retained, 38 were 'Jack' wells and remaining 16 were under action. Campaign against *Aedes Aegypti* mosquitoes, the Vector of Yellow Fever was continued throughout the year. The stegomia index did not show anything more than 2 per cent. which was considered as safe. Anti-malaria drugs were made freely available to the public through the Municipal dispensaries. Notices were issued against the owners to keep their compounds free from mosquito breeding as a precaution against the disease.

34. The number of new cases treated at the 24 dispensaries and one mobile dispensary was 3,36,519 (1,92,661 males and 1,43,858 females) as against 3,23,384 and 2,88,047 in the previous two years. The total attendance was 15,05,316 against 14,30,870 and 12,98,128 in the previous two years. 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 7,432 (5,824 women and 1,608 children) as against 8,334 in the previous year. The total attendance at the clinics was 88,311. These figures include the visits of lady doctors to patients at their homes.

The Municipal Eye Dispensary and Hospital at Kamathipura were attended by two Honorary Medical Surgeons by turns throughout the year. The hospital has an accommodation for 6 beds each for males and females with an operation theatre and a full-time Resident Nurse. The total attendance of patients was 83,113 as against 87,333 and 84,430 in the preceding two years. The total number of new cases treated was 11,583 as against 12,128 and 11,704 in the previous two years. The number of indoor patients among the new cases treated and total attendance of indoor patients were 234 and 3,372 respectively. The question of increasing bed accommodation at this hospital requires urgent consideration.

**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 this clinic is borne by the Corporation.

The average daily attendance of patients was 251 and the total number of new cases treated at the clinic was 6,038 as against 220 and 214, 2,294 and 1,812, respectively, in the previous two years. The accommodation of 396 beds (284 for males and 112 for females) for the isolation of leprosy patients was the same as in the previous year.

The Seven Health Visitors, one appointed by the Home and 6 by the Municipality (including 1 for Suburbs) gave 1,859 talks on leprosy and paid visits to the houses of patients, first 851 and subsequently 7,538, as against 4,009, 905 and 6,861 respectively in the preceding year. The Medical Assistants in charge of Municipal free dispensaries attempted detection of early cases of leprosy for which they have been specially trained. The number of such cases detected and treated at Municipal dispensaries free was 24. A leprosy clinic was started at dispensary at Worli.

35. There were three T.B. Clinics for outdoor patients and a group of T. B. Hospitals. **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 348 (183 for males and 165 for females) against 315 in the previous year, 33 beds having been added during the year. Each clinic is managed by well-qualified staff and is equipped with appliances necessary for treatment of patients. The total number of patients in various stages of Pulmonary Tuberculosis treated during the year was 2,610 (including 326 of the previous year) as against 2,412 during the previous year. The largest number of admissions was within the age groups between 20 and 30 years. The total number of surgical operations performed on patients was 541, as against 412 in the previous year.

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 during the year were 1,488 and 23,018 against 2,498 and 23,181 respectively in the preceding year. Some of the patients attended the Hospitals for follow up continuously for over 3 years. There were 1,001 new admissions to the out-door A. P. and P. P. refill Department during the year against 825 in the previous year. Tuberculosis took a toll of 2,184 lives and the death rate per 1,000 from T. B. was 0.9 as against 2,427 deaths and 1.0 death rate in the previous year.

The total expenditure incurred during the year was Rs. 7.84 lacs approximately as against Rs. 8.08 lacs in the previous year. The average cost per patient per day was Rs. 6-6-0 as against Rs. 6-8-0 in the previous year.

The Poor Box Collections including fees for medical certificates issued during the year amounted to Rs. 6,442-7-9, and a sum of Rs. 2,434-5-9 was spent on medicines, injections, etc., administered to poor patients. A regular monthly donation of Rs. 100 from the British India Steam Navigation Company, Ltd., was continued during the year. The Standing Committee, while thanking the Company for their donation, sincerely hope that more donations of this type would be forthcoming to supplement Municipal efforts in eradicating this disease.

36. For combating Venereal Diseases, free medical facilities both preventive and curative were continued as in the preceding year. During the year 18,281 **Venereal Diseases.** cases were treated at the Clinics as against 18,126 and 17,838 in the previous two years. Of these 15,360 were males and 2,921 were females. For prophylaxis 20,565 attended the eight Prophylactic Centres as against 17,929 and 16,457 in the previous two years.

Personal prophylaxis was given at eight municipal free Prophylactic Centres. The Centre at Bellasis Road was kept open day and night and others from 6-30 P. M. to 2-30 A. M. The average daily attendance at the Clinic was 695.3 as against 687.8 and 671.3 in the previous two years.

The Medical Officer in charge of Ante-Natal and Post-Nata Clinics sent 1,215 samples of blood (818 A. N. C. and 397 P. N. C.) for investigation of syphilis. Out of these 255 gave positive results for Kahn or Meinick's Test and out of these 255 cases 162 attended the Clinic for treatment during the year.

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

37. Health propaganda drive was intensified both in the City and the Suburbs through all the popular and modern publicity media. During the year, the Health Propaganda section organised important activities such as Health Weeks and Cleanliness campaigns in different wards. Municipal schools were sent the itinerary exhibits. It also helped the vaccination and inoculation staff of the Health Department with microphonic talks persuading people to accept vaccination and inoculation, etc. It also attended to the work of preparing and distributing health education material in the shape of posters, show-cards, leaflets, models and other types of exhibits. A Health Stall was also arranged by this Section in the Civic Exhibition in March 1954 whereat health education and film shows were shown. It maintained the sizeable Public Health Museum at the Princess Street Clinic and health stalls including 'Civic Sense gallery' at the Victoria and Albert Museum at the Victoria Gardens. Other publicity work of the department included press notes, slide releases, talks from mobile vans and displays arranged in Municipal maternity homes.

38. During the year in all 43,026 children (23,582 boys and 19,444 girls) attending Municipal Schools and Classes as against 43,589 in the previous year were medically examined. Of those examined, 35,227 were found suffering from one or more physical ailments and reports about their ailments were sent to their parents or guardians. The Standing Committee note with satisfaction that the parents of all these 35,227 children responded to the intimations sent to them. This is indeed encouraging as against last year's figures when out of 34,995 intimations sent to parents only 28,876 responded. Out of these 30,522 parents consented to allow treatment to their children or wards while 4,705 declined to give treatment to their children even at the Municipal School Clinic. The Medical Officers interviewed 586 parents and explained to them the necessity of rectifying the defects in their wards by attending clinics and dispensaries.

Minor ailments among the children were treated at the nearest Municipal dispensaries, while cases with major ailments were treated at the School Clinic at the K. E. M. Hospital which is now found quite inadequate, for treatment of more than 2,000 children annually. Only 1,065 new and 6,829 old cases requiring immediate attention were, therefore, taken up and 504 children were treated at the out-patient department of the Hospital. 391 schools and classes were supplied with emergency outfit, 56 children suspected to have leprosy infection were directed to the Acworth Leprosy Home. Of them 9 were found positive and were prevented from attending schools, one such child was, however, allowed to attend the school but was kept under observation. 79 children with errors of refraction were supplied with spectacles free of charge. 492 children suffering from scabies, ring-worm and boils were treated in the schools by the school medical officers. 129 tonsil and other operations were performed at the School Clinics. 50 out of 56 suspected cases of T. B. were screened at the Princess Street T. B. Clinic. 227 children with dental defects were treated at the Nair Hospital Dental College. 255 and 892 health talks in subjects of simple personal hygiene were given to pupils, respectively, by the Medical Officers and the School Health Nurses, in order to inculcate healthy habits. The latter also visited and revisited 1,975 and 690 ailing children, respectively, at homes and gave necessary instructions to their parents as regards their care and diet.

Due to vacation and short supply, the scheme for the supply of free milk to undernourished needy children did not function from 21st April 1954 to 7th July 1954. Certified undernourished children ranging from 22,560 to 36,960 in all were given pasteurised toned milk each 8 oz. on every school working day at 311 milk distributing centres in Municipal schools. Snacks in the form of either *chiki* (toffee) or fruits (*chiku* or orange) were also given to these children to supplement the milk diet.

The total expenditure incurred on (1) Medical inspection and treatment of school children and (2) on the milk scheme were approximately Rs. 1,05,475 and Rs. 8.28 lacs, respectively. Besides, Rs. 4 lacs were sanctioned for supply of snacks to the milk recipients.

39. The Hospitals have a total accommodation of 314 beds, of which 172 are in the City Fever Hospitals. Small-pox unit, 128 in the General Unit, while 14 mosquito proof beds (Ward No. 8) were reserved for Yellow Fever cases. Except Tuberculosis and Leprosy, patients suffering from other infectious diseases are admitted in the Hospitals. The total number of patients admitted during the year was 12,304 as against 9,802, 6,883 and 6,726 in the preceding three years, the daily average of admission being 453 as against 356, 229 and 218 in the preceding three years. Of the total number of patients, 2,387, 1,444 and 2,588, respectively, suffered from Enteric Fever, Small-pox and Diphtheria. The cost per patient per day was Rs. 7-8-4 as against Rs. 8-3-0 in the preceding year.

The total expenditure during the year was Rs. 12.42 lacs as against Rs. 10.65 lacs and Rs. 7.88 lacs in the preceding two years.

40. The bed accommodation in the Hospital continued to be the same as in the past year, viz., 550. The 550 beds were distributed amongst men, women and children patients as 365, 145 and 40 respectively. The accommodation was fully occupied throughout the year and on several occasions extra patients had to be accommodated on the floor. Throughout the year an excess of 140 patients over the scheduled number of beds in the Hospital was a normal feature. The total number of in-patients admitted during the year was 20,895 against 19,257, 19,674 and 19,148 in the previous three years. The daily average number of in-patients was 692 against 636.68, 610.25 and 603.16 of the previous three years. The maximum number of in-patients on a single day was 740, making their nursing and medical care extremely difficult. The average number of days each patient was resident was 11.71 against 12.03, 11.02 and 11.50 in the last three years. The total number of operations performed on in-patients was 9,734 against 8,186, 8,955 and 8,874 in the previous three years. The total number of patients treated during the year was 21,561 including 666 of the previous year as against 19,871 in the preceding year. Of these in-patients, 6,734 were cured, 8,101 were discharged or relieved, 4,258 left the hospital against medical advice or were otherwise discharged and 1,780 died (exclusive of 2 stillborn) leaving a balance of 688 at the end of the year. The average cost per in-patient per day was Rs. 8-8-2 as against Rs. 8-12-6, Rs. 8-15-11 and Rs. 8-4-11 in the previous three years. The average cost per in-patient admission showed a slight decrease being Rs. 102-10-10 as against Rs. 108-0-4, Rs. 102-1-2 and Rs. 95-12-4 in the preceding three years. Out of 1,780 deaths as many as 773 died within first 24 hours of admission.

The above statistics reveal the extreme congestion in the Hospital in spite of other medical institutions provided by the Corporation. Patients are accommodated on the floor as a matter of routine in most of our hospitals and the required hospital accommodation in the City is far below the normal requirements, resulting in inordinate congestion. The Standing Committee feels that intensive thought is required to be devoted to hospital construction and management so as to provide beds, nursing service, medical attention, surgical care, etc., according to pathological needs. The Standing Committee hopes that medical service will find a high priority in the near future planning programme of the Corporation.

The total number of new out-patients treated was 1,82,265 against 1,75,995, 1,66,812 and 1,56,888 in the preceding three years, showing an increase of 6,270; 15,453 and 25,377 patients, respectively. The daily average number of new out-patients was 681.2 against 657.6, 620.5 and 590.2 in the previous three years, while the daily average number of out-patient attendance worked out to 2,145 against 1,955, 1,919.3 and 1,890.2 in the previous three years. The total number of out-patients attendance including casualty patients during the year came to 6,37,637 against 5,79,505, 5,70,742 and 5,59,901 in the previous three years. The highest number of out-patients attendance on any one day was 3,016 as against 2,571, 2,601 and 2,649 in the previous three years, while new out patients admitted on a single day was 799, as against 703, 691 and 692 in the previous three years. The total number of operations on out-patients during the year was 26,578 against 20,339; 23,147 and 20,347 in the previous three years. The average cost per out patient attendance during the year was Rs. 1-4-2 against Rs. 1-5-10, Rs. 1-5-8 and Re. 0-14-0 in the previous three years, while the average cost per out-patients admission was Rs. 3-3-2 against Rs. 3-1-3, Rs. 3-14-0 and Rs. 3-4-6 in the preceding three years.

The Poor Box Charity Fund from which relief was rendered to poor patients continued to give relief and comforts to deserving patients which ordinarily could not be given out of the Municipal Fund. An amount of Rs. 41,907-10-6 as against Rs. 33,734-11-0, and Rs. 36,547-9-0 in the previous two years was spent for affording relief to poor patients out of the Charity Fund. The total contributions during the year by way of collections from the out-patients ward boxes, donations, etc., amounted to Rs. 36,811 as against Rs. 44,721 and Rs. 41,700-6-9 in the previous two years.

The Gift Shop started for the convenience of patients continued to receive steady support. Similarly, the Physiotherapy Centre and School, Occupational Therapy Centre and School, Prophylactic immunization Centre, Family Health Centre, Pharmacological Laboratory, Ambulance Division and the Co-operative Credit Society, carried on their work in their respective spheres satisfactorily.

On 3rd September 1954, the Medico Social Service Department was opened in the Hospital. The Department will form an integral part of the medical care arrangement of the hospital and will help in finding social, economic and environmental factors associated with the onset of disease as to how they affect the final rehabilitation of the patients, etc. Follow up of patients after completion of treatment to find out the progress in improvement was carried out by this Department. The Standing Committee feels that the opening of this Department marks a great advance in the field of Municipal Medical aid.



41. The bed accommodation in the Hospital continued to be the same as in the last year, viz. 300 beds (250 non-paying and 50 paying). 15,528 patients were admitted during the year as against 14,018, 12,002 and 9,426 during the preceding three years. The highest number of in-patients on a single day was 426. The daily average number of in-patients was 372.2 as against 350.5, 339 and 291 in the preceding three years. Average number of days each patient was resident was 8.7 days as against 9.5, 10.3 and 12.6 in the preceding three years.

The total number of in-patients treated was 15,837 including 309 of the previous year. Of the 15,837 in-patients, 9,769 were treated for medical and surgical complaints and 6,068 for maternity and gynaec complaints.

The total number of operations performed on in-patients was 4,518 as against 4,013, 2,641 and 2,139 in the preceding three years. The average cost per in-patient on diet per diem was Re. 0-14-6 against the R $\text{₹}$ . 0-15-5 and Re. 0-15-6 in the preceding two years.

The total number of new out-patients was 77,718 with a daily average of 249.8 as against 70,014 and 228.8, respectively, in the preceding year and 62,195 and 212.7 in the year preceding the last. The total number of out-patients attendance was 4.26 lacs with a daily average of 1,369.2 as against 3.26 lacs and a daily average of 1,065.5 in the preceding year and 2.25 lacs and a daily average of 825.2, respectively, in the year preceding the last. The largest number of out-patients attendance on a single day was 2,452 as against 2,297 and 1,940 in the preceding two years. The total number of operations performed on out-patients was 7,489 as against 4,499 and 3,220 and 2,348 in the preceding three years. 17,300 accident and other emergency cases were treated in the Casualty Department as against 16,931 and 10,560 in the preceding two years.

The Paying Bed Scheme was started from 1st September 1951 and is working satisfactorily. More and more patients take advantage of the same, as will be seen from the fact that 1,413 patients were admitted in the General and Special rooms as against 1,337 ; 921 and 390 in the previous three years. 175 major and 298 minor operations were performed on paying patients, as against 189 and 238, respectively, in the previous year.

The Pathological and Bacteriological investigations in respect of 44,791 in-patients and 27,215 out-patients were carried out in the Laboratory of the Hospital against 31,520 ; 17,730 and 12,172 ; 9,784 ; respectively in the previous two years. 197 autopsies were also performed during the year.

The Research Department started in 1951 continued to work very satisfactorily. During the year enquireies with the problem of Anaemia continued and 4,140 patients were investigated in that disease.

The Hospital has an up-to-date library with latest publications of modern medical science, etc. 65 additional books on various subjects were purchased bringing the total to 422 books.

The Poor Box Fund at the close of the last year was Rs. 74,804 as against Rs. 55,580 in the previous year. During the year, a sum of Rs. 34,686 was collected in the Charity Boxes and by way of donations, etc., and the expenditure amounted to Rs. 24,541. A balance of Rs. 84,949 remained in the Poor Box Fund at the close of the year.

*Nurses Training School.*—28 students were admitted for course of training in midwifery and all were declared successful.

This Hospital has been attached to the Topiwalla National Medical College for clinical instructions to under-graduate students. The Hospital is also affiliated to the University of Bombay for post-graduate as well as under—graduate students. Post-graduate students are admitted for hospital practice on payment of a fee of Rs. 15 per mensem.

During the year under report, Departments of Skin and Venereal Diseases and Ophthalmology were started from 1st July 1954.

42. The Hospital has an accommodation for 330 beds distributed among men, women and children patients as 171, 126 and 33, respectively, as in the last year. The accommodation was fully occupied throughout the year—at times more than fully, when to afford relief to patients requiring immediate medical or surgical attention, beds had to be provided on the floor of the wards. This no doubt placed extra pressure of work on the nursing staff and others, but is helped to afford the much needed relief to several urgent cases. The total number of in-patients

admitted was 12,767 against 12,113 and 11,450 in the previous two years. The daily average number of in-patients was 348.13 against 233.27 and 295.22 in the previous two years. The highest number of in-patients treated on a single day was 394 against 363 in the previous year. On an average each patient was resident for 9.69 days against 9.7 and 9.25 in the previous two years. The total number of in-patients treated was 13,104 including the balance of 337 of the previous year of whom 7,991 were cured, 2,197 were relieved, 797 died, 1,772 were otherwise discharged and 347 remained at the close of the year. The average cost per in-patient per day was Rs. 7-8-9 against Rs. 8-6-4, Rs. 8-2-10 and Rs. 8-3-6 during the preceding three years.

The total number of out-patients treated was 2,63,107 against 2,43,429 and 2,15,259 in the previous two years and the average number of out-patients' attendance per day was 882.38 against 814.87 and 719.36 in the previous two years. The highest out-patients attendance on a single day was 1,394 against 1,250 and 1,078 in the previous two years. The average cost per out-patient per day was Re. 0-11-7 against Rs. 1-4-9, Rs. 1-0-0 and Re. 0-15-4 during the preceding three years. During the year 4,849 and 4,820 operations were performed, respectively, on in-patients and out-patients against 4,501 and 4,235, respectively, during the last year.

The total expenditure incurred on the maintenance of the hospital amounted approximately to Rs. 13.69 lacs against Rs. 12.29 lacs and Rs. 13.01 lacs in the preceding two years.

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. 10,703-13-9, while the contributions amounted to Rs. 1,136-6-0 by way of donations and Rs. 15,088-1-6 by way of collections from the boxes kept in wards and out-door patients' departments.

Equipment required for the Blood Bank has been already purchased and the staff for the Blood Bank appointed from July 1954. However, collection of blood from donors could not be started as the space allotted to the Blood Bank was occupied by the Bacteriology and Bio-Chemistry Sections due to demolition of the third floor of the college building. The Standing Committee hope that this branch of modern medical relief will soon start functioning in an alternative space suitable for the purpose till the above sections are shifted to the College Building and the Blood Bank is housed in its allotted quarters.

During the year blood transfusion was provided for 266 cases out of which 253 cases were given blood of paid donors to whom payment was made from the Poor Patients' Fund.

The Midwifery Class continued to work with the strength of 10 student nurses undergoing training.

During the year under report, Shri M. V. Pai donated a sum of Rs. 25,000 for starting a Gastro-Entereology Department at the Hospital in the name of Shri Mangalore Ramnath Vaman Pai and it is hoped that the Department will soon come into operation. The Psychiatry Department was newly started with an Electro-Encephalograph costing about Rs.27,200.

The Corporation sanctioned in the year under report the second stage of the Cardiology Department and accordingly arrangements were made to purchase equipments worth Rs. 62,550 for use of that Department. Having regard to the fact that the Hospital has gained popularity after it was taken over under Municipal management, the question of its expansion needs earnest consideration. The Standing Committee understand that proposals in this behalf are well under way.

43. During the year under report, 85 fresh admissions were made all of whom were single. Besides, 3 Licentiates were admitted for the condensed M.B., Seth G. S. Medical College. B.S., course. Of the 666 students on the roll against 635 in the previous year, 133 were lady students and 171 post-graduate and research students, against 135 and 146, respectively, in the previous year. Out of 593 students sent up for various examinations, 355 passed the whole examination against the corresponding figure of 492 and 288 of the previous year.

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 as in the previous year. Income derived from the College and the Hostels by way of tuition fees, hostel rent, etc., was Rs. 1.77 lacs against Rs. 1.90 lacs and Rs. 1.78 lacs in the previous two years, while the total expenditure amounted to Rs. 5.03 lacs (including payment of Dearness Allowance of Rs. 0.85 lac) against Rs. 5.06 and Rs. 4.83 lacs in the preceding two years. The income derived from and the expenditure incurred on the Hostels were Rs. 21,324 and Rs. 35,043, respectively, as against Rs. 24,814 and Rs. 25,873 in the previous year. The gross and net cost per student worked out at Rs. 1,015.8 and Rs. 658.2, respectively, as against Rs. 1,034.4

and Rs. 644.08 in the previous year. The amount of fees received from the post-graduate students was Rs. 23,870 as against Rs 23,770 in the previous year.

The Co-operative Society carried on its work satisfactorily with a share capital of Rs. 1.50 lacs.

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

It is gratifying to note that the Ministry of Education, Government of India, have given a grant-in-aid amounting to about Rs. 10,000 for the purchase of Flame Photometer with accessories for the Pharmacology Department. The Council of Scientific and Industrial Research have also given a substantial grant for establishing a Pharmacological Research Unit.

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

44. The College had 373 undergraduate students on the roll at the close of the year out of whom 63 were lady students. Besides, there were 56 post-graduate students including 8 lady students. During the year, 60 students were admitted including 14 lady students. 5 students were admitted for condensed M.B.B.S. course. Out of 389 students sent up for various examinations, 228 passed during the year under report. The number of male students residing in the College Hostel was 62. For want of accommodation, admission to the Hostel had to be refused to a large number of students. To overcome this difficulty plans and estimates for a hostel building at Haji Ali Park with accommodation for 120 students were passed by the Corporation. The construction work will be taken up shortly. Arrangements were made to accommodate female students at the Grant Medical College Hostel, as no Hostel is attached to this College for them. The total expenditure incurred on the maintenance of the College amounted to Rs. 3.59 lacs against Rs. 3.78 lacs in the previous year. A grant of Rs. 2.02 lacs was received from the State Government for the year 1952-53 against the grant of Rs. 2.18 lacs in the preceding year. Government paid grant to this Institution from 1946 to 1950-51. The Government have decided that the grant should be reduced progressively by 1/5 per annum so that after the next five years, i.e., from the year 1955-56 no grant would be paid to the College. The Corporation will, therefore, have to foot the bill of expenditure for the College *in toto*. The total income by way of tuition fees, etc., received amounted to Rs. 1.24 lacs against 1.32 lacs in the previous year.

45. During the year under report, the College had 87 Dental Chairs, 46 Dental Units, 2 Dental X-Ray Machines as against 75 Dental Chairs, 24 Dental Units and 1 X-Ray Machine in the previous year. Besides, the College had other equipments to give dental treatment and tuition in dentistry on modern lines. There were 137 students including 19 lady students on the roll as against 111 and 17 respectively, in the previous year. 22 students including 3 lady students appeared and passed the Diploma Examination as against 26 and 7, respectively, in the preceding year. The College Diploma is recognized not only by the State and the Union Government but also by leading Institutions in the line in U.S.A. U.K., and other foreign countries. The College also runs a Dental Clinic where all types of dental treatment, silver, gold and cement fillings, artificial sets of teeth, regulation of teeth is done by charging nominal fees. During the year 64,154 patients (34,952 males, 18,139 females, 9,063 children) were treated as against 62,283 and 51,247 in the preceding two years, which is an indication of the growing popularity of the Institution. The total expenditure incurred was Rs. 1.17 lacs as against Rs. 1.64 lacs, Rs. 1.52 lacs and Rs. 1.40 lacs in the previous three years and the total realisations by way of fees from students and patients was Rs. 78,824 as against Rs. 73,266 ; Rs. 63,015 and Rs. 48,133, during the previous three years.

The Academic Council looked after the academic affairs of the College and the Advisory Board which conducts Final L. D. Sc. Diploma Examination, etc., continued to function during the year under report, as before. Since June 1954, the College is affiliated to the Bombay University for B. D. S. Degree in Dentistry. Almoner service was done from the Poor Box Fund to poor deserving patients in the shape of supplying sets of artificial teeth, vitamin and penicilin injections, etc.

46. At the close of the year there were 1,96,862 pupils in 447 schools and 64 classes in Greater Bombay, the number in the City being 1,63,718 pupils in 351 schools and 40 classes and in the Suburbs, 33,144 pupils in 96 schools and 24 classes. The corresponding figures for the previous year were 1,81,927 pupils in 443 schools and 53 classes in Greater Bombay, which was made up of 1,54,293 pupils in 350 schools and 34 classes in the City and 27,634 pupils in 93 schools and 19 classes in the Suburbs. Thus, during the year, there was a net increase of 14,935 pupils in Municipal schools. The highest

number on roll was 2,09,078 at the end of September 1954. The number came down to 1,96,862 at the end of March 1955. The average number of pupils throughout the year was 1,97,432—1,64,463 in the City Schools and 32,969 in Suburban Schools. The total number of teachers in Greater Bombay at the end of the year was 5,289 of whom 5,040 were ordinary and 249 special teachers, as against 4,782 teachers of whom 4,645 were ordinary and 227 special teachers in the preceding year. Out of 5,040 ordinary teachers, 4,260 were permanent and 780 were temporary, as against 4,645 ordinary teachers, of whom 3,954 were permanent and 691 temporary in the previous year. The percentage of trained teachers was 87.8 in the City and 83.2 in the Suburbs, as against 87 in the City and 82 in the Suburbs in the preceding year.

The 'Class Room Formula' to determine the number of teachers which was adopted in the preceding year was continued during the year under report. It was decided to fix the number of teachers according to number of class rooms in actual use (including rooms used twice in double session schools) so as to ensure one teacher for each class. The prevailing basis of granting additional teachers to larger schools was also revised, so that only one additional teacher was given to a school having an average attendance of 500 or more pupils. The provision of leave reserves was also reduced from 10 per cent. to 7½ per cent. The 'Class Room Formula' is now being examined by a Sub-Committee of the whole of the Education Committee in all its aspects and the matter is still under their consideration.

At the suggestion of Shri H. D. Gaokar, Chairman of the Education Committee for the year under report, a novel scheme was introduced temporarily and on an experimental basis for the improvement of a group of schools. For this purpose, the Worli area was selected and 8 Marathi schools with a total of 5,397 pupils and 117 teachers were covered. The Schools were put in charge of an Inspector, guided by a General Committee and assisted by a Consultative Committee of Head Teachers of the schools selected. A close check on the day to day work of the categorized teachers of the schools was kept and a record of their work was also maintained. Regular guidance was given to teachers showing low efficiency by means of 'model lessons' and 'Teachers' meetings' for discussing problems of division of syllabus, class management, methods of questioning, retarded children, use of text books, rapid readers, etc. Special attention was given to all pupils grouped below normal. With a view to co-operatively tackling the problem of discipline and inculcating habits of obedience, order, cleanliness, courtesy etc., Prefect System, First Aid and *Safai* Corps were introduced. School debating societies, inter-school debates, co-operative stores, school magazines, planned excursions and nature study visits, scouting and games were encouraged and were followed up by follow up work in oral or written composition. For fostering healthy competition amongst students of these selected schools, 'School Parliament' and 'House' system were introduced. Though the effects of the above are yet to be assessed, the schools of the area showed a marked improvement.

As usual the syllabus of studies was divided up month by month and distributed to the schools, Teaching aids were supplied to Schools and additional teaching aids, such as, maps, charts and models, were prepared by the teachers themselves. Instead of fortnightly tests, monthly tests were introduced for Standards IV to VII and weekly tests for Standards I to III. The rules for Double Promotion examination were revised this year, so as to encourage really extra-ordinarily bright pupils. In a Double Promotion examination in all 421, i.e., 79.7 per cent. pupils out of the total of 528 who appeared, were successful and promoted from 1st August 1954.

In all 10,039 pupils (8,802 from City and 1,237 from suburbs) from Municipal schools, appeared for the Primary School Certificate Examination 1954 and 46 per cent. of them (47 per cent. from City Schools and 34 per cent. from Suburban Schools) were declared successful.

Some of the main factors which hampered *inter alia* the progress of pupils were largeness of certain classes, lack of suitable buildings, inadequate facilities to pupils to study at home and economic conditions of the parents.

Schools with big class rooms sometimes had 60 to 65 pupils in a class rendering it unwieldy and un-manageable for the teacher. The standard of education thus suffers and especially it is so in case of schools run in hired residential premises. The evils of double shifts, etc., raise the question of adequate accommodation for schools, and it is hoped that an exhaustive programme of new building construction which has now been taken up, would improve the situation to a large extent in a few years.

The existing curriculum for Standards I to VII has been revised by Government and the new one has come into force from June 1955.

Three Refresher Courses for teachers of Marathi, Gujarati and Urdu schools were conducted during January-March 1955 so as to provide facilities to Municipal teachers which would enable them to get acquainted with the modern methods and practice of teaching which

vary with progressive ideas of education. This benefit was taken by 112 teachers on the three sides.

The number of Municipal owned buildings at the end of the year was 63 of which 30 were in the City and 33 in the merged areas, as in the last year, which increased to 65 at the end of the year (31 in the City and 34 in the Suburbs) accommodating about 40,000 pupils in all. The rest were housed in rented buildings.

The unsatisfactory conditions of rented buildings continued to be a great handicap especially for want of proper and timely repairs on the part of the reluctant landlords thereof. Though the Department is alive to the urgency of the problem, much still requires to be done in this direction and the Standing Committee hopes that better results will be shown in this matter in the next few years.

Besides imparting education in the three Rs the Corporation also imparts vocational education. There were 22 Municipal Vocational Upper Primary Schools, which prepared pupils for Primary School Certificate Examination with the subject of craft as one of the compulsory subjects. Carpentry and tailoring are also taught in these schools. Other subjects taught are sewing, embroidery, tailoring, printing, binding, repairing of clocks, sign-board painting and carpet weaving. In all 3,111 pupils were attending these classes, out of whom 2,728 received instruction in Carpentry and Tailoring.

At the close of the year there were 290 Aided schools in Greater Bombay (228 in the City and 62 in the Suburbs) as against 291 and 283 in the previous two years. The number of pupils in these aided schools was 67,345 as against 73,771 and 69,552 in the previous two years. The number of recognized schools not receiving grant-in-aid was 43 with 8,452 pupils as against 29 and 31 with 6,082 and 4,805 pupils in the previous two years.

The total number of teachers in Aided schools including 471 special teachers was 2,615 as against 2,862 and 2,663 in the previous two years. The total amount of grants recommended to Aided schools was Rs. 5.95 lacs for the City schools and Rs. 1.51 lacs for the Suburban schools, as against Rs. 3,37,993 and Rs. 1,14,998 and Rs. 3,57,793 and Rs. 1,06,829, respectively, for the previous two years.

The average cost per pupil calculated on the total number of pupils on the rolls in the Aided Schools worked out to Rs. 71.5 in the city and Rs. 65.7 in the suburbs, as against Rs. 70.4 and Rs. 54.7 in the last year. The average cost per pupil to the Corporation by way of grant was Rs. 7.5 and Rs. 9.1 for the City and Suburbs, respectively, as against Rs. 12.9 and Rs. 7.9, respectively, in the preceding year.

A revised Grant-in-Aid Code has been prepared and the same is being considered by the Education Committee.

Unlike last year, as required by Rules 5 of the Rules framed by Government under Section 18 of the City of Bombay Primary Education Act of 1920, as amended upto-date, a Census of non-attending children of school going age was taken from 4th January to 3rd February 1955. The census revealed 33,500 non-attending children of compulsory age, and 12,623 children below 6 years of age.

Physical Education was imparted in almost all schools on the lines of the curriculum laid down by Government. The number of pupils taking physical education was 1,88,987 out of 1,96,862 as against 1,76,246 and 1,81,927 in the previous year. Four Mass Drill displays were also held in which more than 10,000 children from 126 schools participated. Annual sports were also held as usual.

The Municipal Boy Scout and Girl Guide Associations continued their activities vigorously as heretofore. The usual activities, such as, week-end camps, social work, etc., were carried out during the year. It is proposed to have a separate Divisional Organization of Municipal scouts and guides. The necessary constitution and bye-laws have been framed and submitted to the National Head quarters, Bharat Scouts and Guides, for approval, which is awaited. Though this matter is under consideration since 1951 nothing fruitful has since emerged. The Standing Committee requests the Commissioner to impress upon the authorities the necessity of approving the same at an early date. The National Scout Week and the Annual Scouts Sports and Rally were also held as usual.

A unique feature of the Education Department is the Central Library for city teachers only. During the year the library contained 18,089 books as against 18,046 in the previous year and a good number of teachers took advantage of the same. The daily average attendance in the library was satisfactory.

The School Health Service under the Executive Health Officer was continued as before for the benefit of the children of Municipal Primary schools. Medical examination of 43,026 pupils reading in Standards I and III as well as those from Standards II and IV not examined in the previous year, was taken by the Medical Inspection Department during the year. Free medical treatment was given at the Municipal Dispensaries and at the Central School Clinic at the K. E. M. Hospital and at the various vaccination centres. Free milk was supplied to about 36,000 under-nourished children in the year. The Milk Scheme was extended to the children of suburban schools during the year from July 1953, and the benefit of milk feed was extended to 6,270 to 8,880 children of suburban schools, during the year.

Various extra-curricular activities, such as, Vacation Libraries in summer vacation, Sharad Utsav, School anniversaries, excursions, Co-operative stores and Exhibitions were carried on as usual during the year under report.

The average yearly cost per pupil in the City schools calculated on the number of pupils on rolls was Rs. 72.1 as against Rs. 73.8 and Rs. 74.9 in the previous two years and the average cost per pupil on rolls in the suburban school was Rs. 55.9 as against Rs. 61.2 and Rs. 60.4 in the previous two years.

The Income Side of the Education Fund is more or less fixed. The Corporation's contribution is restricted and so also the Government grant. Other sources contribute a very negligible amount to the total receipts of the Educational Fund. Hence, with inelastic sources of revenue on one hand and ever increasing demands for more and better equipped schools and educational facilities for the increasing population on the other, the Corporation find it very difficult day by day to cope with even the urgent needs of the Primary Education Department. Unless, therefore, the Income Side is substantially augmented by increased contributions either by the Corporation or the Government, there will be no alternative but to consider seriously the proposal of levying an Educational Cess for effecting a substantial increase in the revenue.

47. During the year under report the Department placed an order for 93 tons of both bleached and unbleached paper and the full supply was received under Government release orders. In addition, the Press purchased locally 39 tons of foreign bleached paper required for specialised jobs. Besides execution of the increasing printing work of all Municipal Departments, the Press also undertook numerous printing jobs of the B. E. S. & T. Undertaking at a total cost of Rs. 1.05 lacs. Total quantity of paper consumed was 176 1/2 tons against 174 1/2 tons and 153 3/4 tons in the previous two years.

The total number of jobs executed during the year was 8,538 as against 8,067 in the previous year. The total number of pages printed were 33,993 as against 31,985 in the preceding year.

The transactions of the Press for the year closed with a surplus of Rs. 3,403 on the total turnover of Rs. 8.39 lacs, against the surplus of Rs. 8,589 and Rs. 2,895 over the turnover of Rs. 8.33 lacs and Rs. 8.12 lacs for the previous two years. The labour staff as on 28th February 1955 consisted of 236 workers against 220 and 223 on the same date in the last two years.

A notable feature of the year was the printing of the two volumes entitled 'Legal Opinions' and 'Court Decisions' on different Sections of the Bombay Municipal Corporation Act, comprising of 220 and 996 pages, respectively. This work was executed at a total cost of Rs. 4,000 and Rs. 13,000, respectively.

In addition to this, copies of two volumes of the Report on 'Modern Trends in Medical Education in U.S.A., U.K. and Holland' by Dr. S. G. Vengsarkar, were printed at a total cost of Rs. 1,410.

'The Bombay Civic Journal' continued to be printed and published by the Press every month. A Special Annual Number with many art plates was also printed to mark the completion of the first year of the Journal.

During the year, a Standards Officer was appointed to implement the recommendations of Messrs. Ibcon Ltd., on the re-organization of the Press.

48. During the year under report the department continued to attend to contested matters and other legal proceedings in the High Court, City Civil Court, Small Causes Court and Police Courts as also to other legal matters. During the year, the department received 7,416 files, against 7,791 and 6,945 files in the previous two years, addressed 1,390 letters against 3,051 and 1,719 letters in the previous two years to

outside parties or their legal advisers and gave opinions on different departmental matters and advices on 162 documents against 136 and 165 documents, in the last two years. The report contains figures of High Court suits, as well as number of documents, such as, conveyances, leases, etc., that were completed.

The income by way of costs recovered amounted to Rs. 28,124-3-0 and the expenditure to Rs. 77,247-14-0 as against Rs. 38,148-7-10 and Rs. 75,365-14-7, respectively, in the preceding year.

49. As in the previous year, 10 Trade Unions represented Municipal employees with a total membership of 12,892 against 12,492 in the preceding year. The total number of labour staff employed was 26,302 against 29,015 persons in the previous year. Slight decrease in the labour staff is due to the implementation of the recommendations of Messrs. Ibcon Ltd. The Standing Committee is happy to note that during the year labour relations remained quite cordial and congenial indeed—an index of the humane treatment meted out by the Corporation to its labour staff and of the reciprocity by the labour staff volunteering service for a civic cause.

During the year under report, two more Joint Councils, one for the Water Works Department and the other for the Printing Press, were established in addition to the nine joint Councils already existing. All these eleven Joint Councils functioned satisfactorily during the year more or less on the lines of the Whitley Councils of Great Britain. The sphere of work of these Councils was flexible enough to allow discussions and recommendations on all matters pertaining to conditions of service and that considerably helped to maintain cordial relations between the Administration and the Labour.

The Labour Officer dealt with 1,773 complaints against 1,681 in the previous year, regarding service conditions, promotions, transfers, etc. Of these complaints, 1,011 were redressed, 606 found not genuine and 156 were pending at the close of the year.

The recreational, educational, hygienic and other cultural activities indoor as well as out-door organized by the Welfare Branch of the Department for the benefit of Municipal workers and their dependents were conducted vigorously at 22 Labour Welfare Centres and 2 sub-centres. 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 Organization. 4,717 cases were treated at the Unit during the year under report as against 2,848 and 3,626 in the preceding two years.

Implementation of the two Labour Welfare Schemes, in the shape of granting (i) scholarships to children of Municipal employees and (ii) medical assistance to them, sanctioned by the Corporation has been entrusted to the Labour Department. Out of 159 applications received for scholarships, 103 eligible scholars were awarded scholarships at a total cost of Rs. 12,000. 199 applications were received for medical assistance and help aggregating Rs. 8,200 was given in 177 deserving cases. The remaining cases were rejected being not eligible under the rules.

In addition, the minor dependents of deceased Municipal employees were helped in getting death and heirship certificates in order to enable them to collect the Provident Fund and other dues of the deceased relatives.

50. The two Ward Officers (one for the South and the other for the North of the City) during the year under report attended to and dealt with complaint pertaining to drainage, conservancy, water supply, buildings, sanitation, as also with other complaints connected with encroachments, markets, gardens, fires, etc. Whatever sanitary and other defects were noticed by them in the course of their rounds were reported to the respective heads of departments for necessary action. The total number of complaints received during the year was 7,819 as against 5,675 in the previous year. The number of such references in respect of buildings was 2,072, drainage 770, sanitation 2,613, water supply 2,042 and miscellaneous 322. The corresponding figures for the preceding year were 1,279 ; 431 ; 2,175 ; 1,577 and 213, respectively.

51. The Bombay Civic Journal, a new venture in the history of the Corporation and their accredited organ completed one year of its publication at the end of February 1955.

The Journal has been publishing regular features as also special articles from prominent citizens and authorities on various topical subjects in pursuance of its policy of promoting civic progress and enlightenment and the ideal of active, intelligent and creative citizenship.

The main features of the material published in the Journal are objective recording of deliberations and activities of the Corporation and its Departments as also of the B. E. S. & T. Undertaking and associated institutions, citizens' view points on subjects of civic interest and on current issues before the Corporation, new plans or projects sponsored by the Corporation, glimpses of old Bombay and a summary of activities of local bodies all over the country, etc.

A special 100 page issue, containing eight art plates and authoritative articles on the origin and progress of the Vaitarna-cum-Tansa Scheme was brought out on the occasion of the inauguration of the first phase of the Scheme by Prime Minister Pandit Jawaharlal Nehru in October 1954. From the technical and human angles, this issue can be said to have appealed to both the specialist and the layman.

The Journal has come to establish itself as a useful medium for the dissemination of information on civic matters, constructive discussion of problems relating to local bodies and the institution of Local Self-Government and stimulation of public interest in civic affairs.

It is hoped the financial aspect of the publication will be given greater thought and the present deficit is wiped out in a few years.

MUNICIPAL CORPORATION OFFICE,  
BOMBAY, 14th December 1955.

G. B. MAHASHABDE,  
Chairman, Standing Committee.



# ADMINISTRATION REPORT OF THE MUNICIPAL COMMISSIONER FOR GREATER BOMBAY FOR THE YEAR 1954-55

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

### CORPORATION

Shri Dahyabhai V. Patel was elected Mayor at the Meeting of the Corporation, held on the 1st April 1954, and he held that Office throughout the year.

2. One hundred and forty-eight Meetings of the Corporation including thirty-eight Special and Adjourned Special Meetings and ninety-one Meetings of the Committees and forty-eight 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 two Receptions for presenting Civic Addresses to (1) Smt. Vijayalaxmi Pandit, President of the United Nations General Assembly, and (2) Dr. S. Radhakrishnan, Vice-President of India. They also attended seven receptions for according Civic Receptions to (1) Shri Tenzing Norkay Sherpa, (2) The President and Delegates to the Annual Session of the Indian Federation of Working Journalists, (3) The Cultural Delegation of the Peoples' Republic of China, (4) Dr. (Miss) Helen Keller, (5) The Delegates to the Sixteenth Ophthalmological Conference, (6) The Delegates of the Council of Administration of the International Hotel Association; and (7) Shri P. K. Atre.

3. The changes that took place in the personnel of the Corporation during the year under report were as follows :—

(i) Shri Salebhoy Abdul Kader was elected Member on the 26th May 1954, in the vacancy caused by the disqualification of Shri D. G. Bhosle, under Section 17(a) of the Bombay Municipal Corporation Act, from 18th February 1954; as he was sentenced by the Presidency Magistrate, Esplanade Court, to imprisonment for an offence involving moral turpitude and punishable with imprisonment for a period exceeding six months.

(ii) Shri K. G. Desai ceased to be a Councillor from the 22nd June 1954, as he did not attend Meetings of the Corporation during twelve successive months, and Dr. R. N. Kulkarni was elected Member from 13th October 1954, *vice* Shri K. G. Desai.

### STANDING COMMITTEE

4. Smt. Sulochana M. Modi, M.A., was elected Chairman of the Standing Committee, at their Meeting, held on the 7th April 1954. She held that office throughout the year.

5. The only change that took place in the personnel of the Standing Committee during the year, was the resignation of his seat by Shri V. N. Desai, B.A., from 1st May 1954. In the casual vacancy thus caused, Shri R. H. Chemburkar was appointed as member of the Committee on the 3rd May 1954.

6. Shri H. D. Gaokar, M.Sc. (Bom.), T.D. (Lond.), became an *ex-Officio* Member of the Standing Committee, from the 9th April 1954, by virtue of his appointment as Chairman of the Education Committee, from that date, under the amended Section 43 of the Act.

7. Fifty-six regular Meetings including Adjourned Meetings and twenty-four Special Meetings including Adjourned Special Meetings were held during the year. There was also a Meeting of the Sub-Committee of the whole of the Standing Committee during the year.

8. There were twenty-eight attendances of the Members of the said Committee for audit of Municipal accounts and one hundred and twenty-two for the signing of Cheques.

### IMPROVEMENTS COMMITTEE

9. Shri P. U. Upadhyaya was elected Chairman of the Improvements Committee, at their Meeting, held on the 13th April 1954. He held that Office throughout the year.

10. Twenty-three Ordinary Meetings including Adjourned Meetings, three Special Meetings and five Meetings of the Sub-Committees of the whole of the Improvements Committee were held during the year.

### EDUCATION COMMITTEE

11. Shri H. D. Gaokar, M.Sc. (Bom.), T.D. (Lond.), was elected Chairman of the Education Committee, at their Meeting, held on the 9th April 1954. He held that Office throughout the year.

12. Following changes took place in the personnel of the Education Committee during the year.

(i) Dr. B. G. Gokhale resigned his seat on the Committee from the 3rd September 1954, and in the casual vacancy thus caused, Shri J. D. Desai was appointed as a non-Councillor Member of the Committee from the 4th October 1954.

(ii) Shri M. S. Prabhoo, resigned his seat on the Committee from the 8th November 1954, and in the casual vacancy thus caused, Dr. S. R. Wadia was appointed as a Member of the Committee from 11th November 1954.

13. Twelve regular Meetings including Adjourned Meetings and thirteen Special Meetings including Adjourned Special Meetings were held during the year. There was also a Meeting of a Sub-Committee of the Education Committee during the year.

### CORPORATION AND STANDING COMMITTEE OFFICE

14. (a) Shri P. R. Mullaferoze, B. COM., F.C.C.S., continued to hold the Office of the 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 1954-55.

### LIST OF THE MEMBERS OF THE CORPORATION WHO HELD OFFICE AS ON 31st MARCH 1955

SHRI DAHYABHAI V. PATEL, J.P., Mayor.

SMT. SULOCHANA M. MODI, M.A., J.P., Chairman, Standing Committee.

SHRI P. U. UPADHYAYA, Chairman, Improvements Committee.

SHRI H. D. GAOKAR, M.Sc. (Bom.), T.D. (Lond.), Chairman, Education Committee.

SHRI A. K. HAFIZKA, Chairman, B. E. S. & T. Committee.

ACHREKAR, SHRI R. K., J.P.	MAHIMTURA, DR. M. G.
ANANDE, DR. D. L., J.P.	MALLA, SHRI T. M.
BAGWE, SHRI G. S., B.A., LL.B.	MANAY, SHRI G. K.
BAMJI, MAJOR S. R., F.C.R.A., F.R.S.A., F.C.I., M.B.E., J.P.	MANDLIK, DR. P. V., M.B., B.S.
BANDUKVALA, SHRI N. Y.	MANKAR, DR. USHAKANT J., L.C.P.S.
BHANDARE, SHRI R. D., M.A., LL.B.	MATKAR, DR. W. S., L.C.P.S.
BHARUCHA, SHRI NAUSHIR C., M.A., LL.B., M.L.A.	MEHDI RAJABALLY, SHRI, J.P.
BORICHA, SHRI P. H., B.A., L.S.G.D.	MEHER, SHRI J. S.
BORKAR, SHRI K. L.	MEHTA, SHRI P. V., L.T.C.
BROKER, SHRI K. M.	MEMON, SHRI A. U.
CHARI, SHRI K. R.	MERCHANT, SHRI IBRAHIM M.
CHEMBURKAR, SHRI R. H.	MISRA, SHRI H. D.
CHIPLUNKAR, SHRI S. D.	MORE, SHRI PRABHAKAR.
CHOKSY, SHRI M. D.	MORE, DR. R. B., M.B., B.S.
CHOUGULE, SHRI K. M.	MOTWANE, SHRI NANIK G.
DAFTARY, DR. P. D., L.C.P.S. (Bom.)	MUNAGEKAR, DR. D. S.
DARUVALA, SHRI JAHENGIR D., M.Soc.C.E. (France), ASSOC.M.	MUNSHI, SHRI M. N.
Inst.C.E., F.I.S.E., M.I.E. (India), M.R. (San.) I.	NANDI, DR. B. K., M.Sc. (Cal.), Ph.D. Tech. (Manch.),
DESAI, SHRI DINKAR D., M.A., LL.B.	A.R.I.C. (Lond.).
DESAI, SHRI GANPATISHANKER N., J.P.	PADHYE, SMT. KAMAL PRABHAKAR, B.A. (Hons.).
DESAI, SMT. MANIBEN N., G.A., J.P.	PALEKAR, SHRI S. D.
DESAI, SHRI V. N., B.A.	PARALKAR, SHRI P. S., B.Sc., LL.B.
DESNANI, SHRI S. S., B.Sc., B.T.	PARIKH, SHRI M. P.
DEVBUKHAR, SHRI D. D., J.P.	PATEL, DR. C. P., M.D. (Bom.), D.T.M. & H. (Lond.).
DHARIA, SHRI K.S., B.A., LL.B. (Hons.), (Lond.), BARRISTER-AT-LAW.	PATEL, DR. S. G., M.B., B.S.
DHORAJIWALA, SHRI M. A.	PATIL, DR. B. S., M.B., B.S.
DHURANDHAR, SHRI S. A., B.A., LL.B.	PATIL, SHRI G. L.
DIAS, DR. P. A., L.M. & S.	PATIL, DR. K. G., B.H.Sc.
DINA, SHRI A. S.	PAWAR, SHRI S. B.
DONDE, SHRI M. V., B.A., M.L.C.	PEERBHOY, SHRI YUSUF S.
D'SOUZA, DR. J. LEON, M.B., B.S.	PODDAR, SHRI G. S., J.P.
DESOUZA, DR. MEMINO, M.D., B.Sc. (Bom.).	POHUJA, SHRI D. C.
FERNANDES, DR. SIMON C., M.B., B.S.	PRABHOO, SHRI M. S.
GANATRA, SHRI R. K.	PRATAPSINGH LAKSHMIDAS, SHRI.
GANJI, SHRI N. B.	PUPALA, SHRI N. C., J.P.
GIANI, SHRI KEHARSINGH DAYALSINGH.	PUPALA, SHRI P. S., J.P.
GOAD, SHRI Y. S.	RANGNEKAR, DR. A. R., M.B., B.S.
GULAM NABI HAJI ABDUL REHMAN, SHRI.	SALEBHOY ABDUL KADER, SHRI, M.L.A., J.P.
HARDIKAR, SHRI R. K., J.P.	SHAH, SHRI JIVRAJ B.
HARRIS, SHRI M.	SHAH, DR. N. N., L.C.P.S. (Bom.), J.P.
ISMAIL KHWAJA HUSAIN, SHRI.	SHAIKH, SHRI A. V.
JADHAV, SHRI R. A.	SHARMA, SHRI J. S., J.P.
JOSHI, SHRI H. K., BARRISTER-AT-LAW.	SHENOY, SHRI V. A.
JOSHI, SHRI J. K.	SHIGVAN, SHRI P. D.
JOSHI, SHRI RAM, M.A.	SHROFF, SMT. VASANTI N., B.A.
KADAM, SHRI N. D.	SIKANDAR, SHRI M. F., B.A., LL.B.
KANHERE, SHRI L. H., J.P.	SINGH, SHRI DUDHNATH.
KANTHI, SHRI G. S., J.P.	SOWANI, SHRI H. K.
KHATAL, SHRI M. A.	SUNKERSETT, SHRI B. R., B.A.
KHER, SHRI P. G., B.A., LL.B.	TAMMAL, SHRI B. D.
KHOPKAR, SHRI M. S.	TEMBE, SHRI V. K., F.C.A., LL.B.
KHWAJA, SHRI GULAM JILANI SADRUDDIN.	THAKARE, SHRI S. M.
KOTHARI, SHRI J. K.	VAKHARIA, SHRI N. D., B.Com., LL.B.
KOTHARI, DR. V. A., L.M. (Dublin).	VANIA, SHRI D. D., B.A., LL.B.
KULKARNI, DR. R. N., J.P.	VELINKAR, SHRI V. S., B.A., BARRISTER-AT-LAW.
KUNDER, SHRI Y. B.	VORA, SHRI P. H., M.A., LL.B.
LATHI, SHRI JAYANTILAL L.	WADIA, DR. S. R., M.B., B.S.
LATIF, SHRI FATEHMOMAHED.	WORLIKAR, SHRI V. B.
MADHAVAN, SHRI M.	YADAV, SHRI R. R.
MAHAJ. NI, SHRI D. G.	ZAVERI, SHRI SHANTILAL P.
MAHASHABDE, SHRI G. B., J.P.	

### LIST OF MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1955

SMT. SULOCHANA M. MODI, (Chairman).  
 SHRI R. K. ACHREKAR.  
 SHRI P. H. BORICHA.  
 SHRI R. H. CHEMBURKAR.  
 DR. P. D. DAFTARY.  
 SMT. MANIBEN N. DESAI.  
 SHRI M. V. DONDE.  
 SHRI A. K. HAFIZKA.  
 SHRI M. HARRIS.

SHRI P. G. KHER.  
 SHRI J. K. KOTHARI.  
 DR. M. G. MAHIMTURA.  
 DR. W. S. MATKAR.  
 SHRI M. P. PARIKH.  
 SHRI V. K. TEMBE.  
 SHRI V. S. VELINKAR.  
 SHRI H. D. GAOKAR, (Chairman, Education Committee, Ex-Officio).

### LIST OF MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1955

SHRI P. U. UPADHYAYA, (Chairman).  
 SHRI JEHangIR D. DARUVALA.  
 DR. SIMON C. FERNANDES.  
 SHRI R. K. GANATRA.  
 SHRI R. K. HARDIKAR.  
 SHRI ISMAIL KHWAJA HUSAIN.  
 SHRI R. A. JADHAV.  
 SHRI L. H. KANHERE.

SHRI M. MADHAVAN.  
 DR. P. V. MANDLIK.  
 SHRI P. V. MEHTA.  
 SHRI I. M. MERCHANT.  
 DR. R. B. MORE.  
 DR. D. S. MUNAGEKAR.  
 SHRI H. K. SOWANI.  
 SHRI S. M. THAKARE.

### LIST OF MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1955

SHRI H. D. GAOKAR, (Chairman).  
 MAJOR S. R. BAMJI.  
 \*SHRI J. D. DESAI.  
 SHRI S. S. DESNAVI.  
 SHRI M. V. DONDE.  
 SHRI J. K. JOSHI.  
 SHRI RAM JOSHI.  
 SHRI M. S. KHOPKAR.

SHRI KHWAJA GULAM JILANI SADRUDDIN.  
 SHRI G. K. MANAY.  
 \*SMT. ANSUYA M. NADKARNI.  
 SHRI DUDHNATH SINGH.  
 SHRI B. R. SUNKERSETT.  
 \*SMT. LILAVATI V. VELINKAR.  
 \*SHRI B. B. VYAS.  
 DR. S. R. WADIA.

\* Non-Councillor Member.

Shri P. R. Nayak, M.A., I.C.S., held the Office of the Municipal Commissioner throughout the year except for the period from 1st July 1954 to 15th August 1954 when he was on leave. Shri V. L. Gidwani, I.C.S., acted as Municipal Commissioner during the period of absence of Shri Nayak.

Shri J. K. Daruvala, B.A. (Hons.), A.S.A.A. held the post of Deputy Municipal Commissioner (General) throughout the year.

Shri A. H. K. Shaikh, B.A. (Aligarh) held the post of Deputy Municipal Commissioner (Suburbs) throughout the year except for the period from 1st April 1954 to 10th May 1954 when he was on leave.

Shri L. S. Kagal, B.A. (Hons.), LL.B., held the office of Deputy Municipal Commissioner (Improvements) till 4th January 1955 except for the period from 22nd November 1954 to 4th January 1955 when he was on leave. Shri S. M. Y. Sastry acted as Deputy Municipal Commissioner (Improvements) during the period of Shri Kagal's absence. Shri Kagal retired from Municipal service from 5th January 1955 on account of superannuation and Shri S. M. Y. Sastry was appointed as Deputy Municipal Commissioner (Improvements) from 5th January 1955.

Shri S. M. Y. Sastry, M.A., B.L., held the office of the Assistant Municipal Commissioner except for the period from 1st April 1954 to 21st November 1954 when he was on deputation. Shri Sastry was appointed as Acting Deputy Municipal Commissioner (Improvements) from 22nd November 1954 and continued to hold the post to the end of the year.

Shri S. R. Guru held the office of the Ward Officer (North) throughout the year

Shri G. E. Pereira, B.A., LL.B., held the office of the Ward Officer (South) till 14th May 1954 except for the period from 6th April 1954 to 14th May 1954 when he was on leave. Shri Pereira retired from Municipal service from 15th May 1954 due to superannuation. Shri S. R. Guru, Ward Officer (North) looked after his work in addition to his own work from 6th April 1954 to 27th May 1954. Shri V. G. Sabnis, B.E. (Mech.), was appointed Ward Officer (South) from 28th May 1954 and continued to hold the post till the end of the year.

A donation of 1,274 books together with seven book cases was received from Messrs. General Motors (India), Ltd. This stock of books has formed the nucleus for establishing a staff library for Municipal employees. Our thanks are due to Messrs. General Motors (India), Ltd., for their kind donation.

## II—HEADS OF DEPARTMENTS

Dr. R. G. Dhayagude, M.D., held the post of the Dean of the K. E. M. Hospital and G. S. Medical College till 8th October 1954, on which day he expired suddenly due to heart failure. Dr. N. D. Patel, M.D., M.R.C.P. (Lond.), was appointed as Dean (Part-time) from 16th October 1954, (*Vide* Corporation Resolution No. 787, dated the 15th October 1954) till 24th March 1955. Dr. S. G. Vengsarkar assumed charge of the post from 25th March 1955 and held the post till the end of the year.

Dr. S. G. Vengsarkar, M.D., F.C.P.S., held the post of the Dean and Superintendent, Topiwala National Medical College and B. Y. L. Nair Charitable Hospital till 24th March 1955 and Dr. L. Monteiro, M.D., during the remaining part of the year.

Shri N. D. Baria, B.E., A.M.I.E. (India), was in charge of the Department of the Estate Agent and Land Manager, till 13th September 1954 when he proceeded on leave and Shri V. L. Ghangurde, B.Sc., B.E., LL.B., who took over the charge from 14th September 1954 continued to hold the post till the end of the year.

Shri D. N. Kagal, B.Sc. B.E., A.M.I.E. (India), who was appointed to act as Deputy Estate Agent and Land Manager from 14th September 1954 continued to hold that post till the end of the year.

Shri M. K. Batliwalla, B.E. (Civil), A.M.I.E., Deputy City Engineer, proceeded on leave for three months from 23rd March 1954 to 22nd June 1954 and the post of Deputy City Engineer was kept vacant from 23rd June 1954.

Shri V. N. Ambdekar, A.R.I., B.A., A.I.A.A., held the post of Architect (Planning) during the year except for the period from 15th February 1954 to 30th September 1954 while on leave when Shri G. G. Sathe, A.R.I.B.A., A.I.I.A., acted in his place during his absence.

Shri N. F. J. Bilia, B.E. (Civil), A.M.I.E. (India), held the post of Assistant Engineer, 1st Grade (Maintenance) till 24th November 1954. He was transferred as Assistant Engineer, 1st Grade (Buildings) from 25th November 1954 when he proceeded on leave and resumed duty on 4th March 1955.

Shri D. S. Thakur, B.E. (Civil), held the post of Assistant Engineer, 1st Grade (Buildings) till 24th November 1954 and was transferred as Assistant Engineer, 1st Grade (Maintenance) from 25th November 1954.

Shri N. R. Junnarkar, B.E. (Mech.) (Bcm.), Certified I.E.S.C. (Banglore), A.M.I.E. (London), held the post of Mechanical Engineer, 1st Grade till 19th July 1954 except for the period from 14th April 1954 to 14th July 1954. He superannuated on 20th July 1954. Shri V. G. Lele, B.E. (Mech. and Elec.) looked after the duties of the post of the Mechanical Engineer in addition to his own during the leave period and was appointed as Mechanical Engineer from 23rd August 1954.

Shri A. M. Albuquerque, L.M.E., L.E.E., was appointed as Assistant Engineer, 1st Grade (Transport) in the newly created post from 27th December 1954.

Shri B. G. Desai, B.A., LL.B., held the post of Solicitor to Corporation throughout the year except for the period from 14th May 1954 to 12th June 1954, when he was on leave.

The Licence Department was in charge of the Deputy Municipal Commissioner (General) till 31st May 1954 from which date Shri C. K. Patel took over the charge as Superintendent of Licences.

Shri V. G. Sabnis, B.E. (Mech.), was in charge of the Shops and Establishment Department up to 9th May 1954 and Shri N. M. Haeems, B.A., during the remaining period of the year.

Shri D. I. Ahmadi, B.Ag., continued to be in charge of the Gardens Department except for the periods from 5th to 26th June, 28th October to 4th November and

27th to 31st December 1954, when Shri J. N. Barowa, Assistant Superintendent (Zoological) was in charge of the Superintendent's duties in addition to his own.

Dr. S. C. Upadhyaya, M.A., LL.B., Ph.D., held the office of the Curator, Victoria and Albert Museum during the year under report except for the periods from 3rd May 1954 to 25th May 1954 and 27th September 1954 to 18th October 1954 when he was on earned leave and from 25th December 1954 to 30th December 1954 when he was deputed to Ahmedabad to attend the Session of the Indian History Congress and Annual Meeting of the Museums Association of India.

Dr. S. C. Upadhyaya, Curator, Victoria and Albert Museum held the post of the Chief Librarian up to 30th June 1954. On bifurcation of the two Departments of Museum and Libraries Shri S. W. Apte M.A., Dip.Lib., was appointed as Chief Librarian on probation for one year from 1st July 1954.

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

Dr. V. V. Puri, M.B.B.S., D.P.H., D.T.M., as Executive Health Officer.

Dr. V. M. Desai, D.D.S., F.S.S.R.C.S. (England 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., as Superintendent, Municipal General Hospital, Sion.

Dr. M. S. Kavarana, M.B.B.S., F.C.P.S., D.M.R.E. (Cantab.), T.D.D. (Wales) as Superintendent of Group of T. B. Hospitals.

Shri N. V. Modak, B.E., M.I.E., M.I.C.E. (London), F.R.San.I. & C., as Special Engineer.

Shri P. P. Dani, B.E., M.I.E. (India), as Construction Engineer (Dams and Tunnels).

Shri K. B. Carnac, B.E. (Civil), M.I.C.E., H.I.C., as City Engineer,

Shri S. V. Desai, B.E. (Civil), A.M.I.E. (India), A.M.I.C.E. (London), Diploma in Town Planning (London) as Assistant Engineer, 1st Grade (Planning).

Shri D. C. Farasman, B.E., A.M.I.E., as Assistant Engineer, 1st Grade (Construction).

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), Diploma in Town Planning (London) as Assistant Engineer, 1st Grade (Suburbs).

Shri T. V. Doraiswamy, B.Com., as Chief Accountant.

Shri G. V. Damle, G.D.A., as Test Audit Officer.

Shri R. V. Damania, B.Com., G.D.A., A.S.A.A., as Municipal Chief Auditor.

Shri I. N. Mehta, B.A., as Assessor and Collector.

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

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

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

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

Dr. L. M. Hira, G.B.V.C., M.R.San.I., as Superintendent of Markets.

Shri S. G. Redkar, B.Sc., LL.B., as Election and Town Duty Officer.

Shri S. G. Tolat, B.A. (Hons.), as Manager, Municipal Printing Press.

Shri U. G. Rao, B.A., as Editor, Bombay Civic Journal.

### III.—FINANCIAL

(000 omitted)

According to the Budget Estimates the normal income, expenditure and deficit for the year were estimated at Rs. 9,02,09 (inclusive of Rs. 34,28 transfers from B. E. S. & T. Fund) Rs. 9,48,17 and Rs. 46,08 respectively. However, the actual income realised was Rs. 9,18,99 (including transfer of Rs. 34,40 from B. E. S. & T. Fund) and the expenditure incurred was Rs. 8,82,69 resulting in a surplus of Rs. 36,30 at the end of the year.

The actual income during the year, *viz.*, Rs. 8,84,59 (exclusive of Rs. 34,40 transfers from B. E. S. & T. Fund) shows an increase of Rs. 37,55 with that of the previous year *viz.*, Rs. 8,47,04 (exclusive of transfers from B. E. S. & T. Fund). There are increases amounting to Rs. 40,75 in aggregate, counterbalanced by decreases amounting to Rs. 3,20. The main increases were under General Tax Rs. 2,00, Town Duties Rs. 1,60, Interest and Profit on Investment of Surplus etc., balances Rs. 15,37, Miscellaneous Rs. 3,01, Water Works Rs. 9,91, Street Cleansing, etc. Rs. 1,81, Buildings Rs. 3,26, Fire Brigade Rs. 13, Gardens Rs. 1,43, Markets etc. Rs. 96, Contribution for Capital Funds Rs. 41, Extraordinary receipts Rs. 54, Rebate from Government on account of Collection of U. I. P. Tax Rs. 20 and certain other heads Rs. 12. The decreases amounting to Rs. 3,20 are accounted for as under :—

Grant-in-Aid in respect of fines for offences against the law Rs. 1,51, Interest and Profit on Plant and Machinery Depreciation Fund Rs. 14, Medical Relief Rs. 25, Roads, Drains and Sewers, etc. Rs. 32, Mechanical Rs. 50, Licensing Rs. 38 and certain other heads Rs. 10.

The actual expenditure for the year *viz.*, Rs. 8,82,69 shows an increase of Rs. 22,62 over that of the previous year *viz.*, Rs. 8,60,07. There were increases in expenditure under certain Heads gross increases for the year being Rs. 40,62 counterbalanced by decreases of Rs. 18,00. The main increases were under Water Works Rs. 11,77, Medical Relief, Rs. 5,11, Street Cleansing, etc. Rs. 2,87, Roads S. W. Drains Rs. 7,59, Contribution to Budget 'B' Rs. 2,63, Contribution to Budget 'D' Rs. 57, Contribution to Budget 'E' Rs. 6,57, Provident Fund Rs. 1,70, Dearness Allowance Rs. 1,05 and minor increases under certain other heads Rs. 76. The main decreases were under Mechanical Rs. 65, Buildings, Rs. 12,45, Fire Brigade Rs. 1,41, Licensing Rs. 39, Gardens and Open Spaces, Rs. 67, Markets Rs. 88, Rent of Buildings Rs. 52 and under certain other heads Rs. 1,03.

The incidence of taxation per head for the year was Rs. 32-2-11 as against Rs. 31-8-10 for the preceding year.

The net unhypothecated Surplus Cash Balance on 31st March 1955 (including the minimum required by Law) was Rs. 91,90 against Rs. 95,80 on 31st March 1954.

The balance of stock, including surplus and obsolete on 31st March 1955 was valued at Rs. 1,16,40 against Rs. 1,12,45 at the close of 1953-54 showing an increase of Rs. 3,95.

The total amount of grants (including Renewed and Additional grants) was Rs. 10,57,69 while the expenditure amounted to Rs. 8,82,69 leaving an unexpended balance of Rs. 1,75,00. Out of this, grants aggregating Rs. 1,08,21 including Rs. 31,00 for earmarked provisions are reserved for being renewed for expenditure in 1955-56 while Rs. 66,79 are treated as savings. If Rs. 31,00 are excluded the normal renewal amounted to Rs. 77,21 as against Rs. 60,66 for the previous year.

Additional grants sanctioned during the year aggregated to Rs. 93,50 including Rs. 35,00 for earmarked provisions against Rs. 31,90 in 1953-54.

The expenditure on Capital Works during the year amounted to Rs. 4,26,47 against Rs. 7,53,11 provided for in the Revised Estimates under this Head.

During the year loans amounting to Rs. 4,73,98 were raised *viz.*, Rs. 2,00,00 from Government of India through Government of Bombay for Vaitarna-cum-Tansa Scheme on terms of equated payment at 4½ per cent. interest per annum in 25 years, Rs. 1,92,49 from the Public at 4 per cent. with 10 years' currency, Rs. 70,00 internally at 4 per cent. with 20 years'

currency and Rs. 11,49 were taken from Special Funds to finance the expenditure on Plant and Machinery for the Renewal of Road Surfaces for which no provisions existed in the Fund and for repayment of 28 Lakhs Loan.

Reduction of Debt during the year amounted to Rs. 2,58,36. The Loan liabilities of the Corporation at the close of the year stood at Rs. 26,29,42. **Loan liabilities.** The total Sinking Fund required up to 31st March 1955 was Rs. 3,97,37 but the actual value was Rs. 4,09,40 as under:—

Public securities of the Market value of	...	Rs. 4,07,20
Interest accrued on the above securities up to 31st March 1955	...	2,20
	Total	4,09,40

A comparison of the net revenue and net expenditure for 1953-54 and 1954-55 is made below in accordance with the Standing Committee Resolution No. 12212, dated the 3rd February 1952:—

Particulars	1953-54	1954-55
	Rs.	Rs.
Net revenue after deducting refunds, drawbacks and charges in respect of assessment and collection and granting of refunds—		
General Tax	3,38,40,463	3,39,65,782
Town Duties	70,04,624	71,80,536
Music, etc., licenses	13,660	10,905
Returns from Property and Miscellaneous	26,75,887	45,79,801
Water Works	26,28,381	24,44,424
Street Cleansing and Conservancy, Road Watering and Halalkhore Service	Dr. 72,19,721	Dr. 73,33,178
Wheel Tax and Tolls	41,37,987	40,89,102
Fire Tax	Dr. 1,335	1,52,518
Markets and Slaughter Houses	18,87,021	20,73,660
Licensing and Removal of Encroachments, etc. and Theatre Tax	22,01,980	22,03,291
Contribution from Capital Funds to Revenue on account of Loan Works Staff	1,96,636	2,38,043
Extraordinary Receipts—		
Interest on Net Premia Fund and excess on Sinking Fund	1,84,777	2,38,321
Rebate from Government on account of Collection of U. I. P. Tax in the City	1,75,232	1,95,257
Transfers from the B. E. S. & T. Fund under Section 460 KK(2)(b) and LL (1)(d) of the Bombay Municipal Corporation Act	31,10,914	34,39,824
Total	5,08,36,506	5,34,78,286

Particulars	1953-54	1954-55
	Rs.	Rs.
Net Expenditure after deducting Receipts—		
General Superintendence	11,75,923	11,92,226
Education (Primary)	92,48,465	99,05,135
Education (Secondary)	75,246	76,587
Public Health	33,45,135	33,23,996
Medical Relief and Education	82,95,981	88,31,763
Roads, S. W. Drains (including Public Lighting)	68,92,068	76,32,950
Mechanical	2,35,477	2,20,703
Buildings, Land Acquisition and Management	21,35,834	6,40,861
Gardens and Open Spaces	7,50,137	6,85,748
Miscellaneous	4,71,332	4,41,885
Contribution towards Improvement Schemes	36,99,386	39,62,054
Provident Fund, Pensions, Gratuities and Compassionate Allowances	18,77,058	20,47,140
Urban Immovable Property Tax on Municipal Properties	8,780	6,711
Dearness Allowance	84,99,621	86,04,407
Grant-in-aid to Public Institutions	8,77,661	9,05,535
Rent of Buildings requisitioned for housing Municipal employees of essential services since derequisitioned by Government	50,594	Cr. 1,053
Contribution to Budget 'D'	13,14,471	13,71,095
Damage caused by cyclone of 1948	75,315	..
Total	4,90,28,484	4,96,47,743
Surplus	18,06,022	36,30,543
Total	5,08,36,506	5,34,78,286

### IMPROVEMENT SCHEMES

#### General Account

(000 omitted)

As per Budget Estimates 'B' no deficit was anticipated, Income and Expenditure being the same, i.e., Rs. 1,25,15. On closing of the accounts, the position of the Income was Rs. 1,27,35, Expenditure Rs. 1,23,74 and Surplus Rs. 3,61.

The actual income for the year viz., Rs. 1,27,35 shows a net increase of Rs. 6,30 over that of the preceding year viz., Rs. 1,21,05. This is made up of increases in contribution from Municipal Corporation Rs. 2,63, Miscellaneous Receipts Rs. 17 and Rent and other proceeds of properties Rs. 3,69 counterbalanced by decrease in Interest and Profit on Investments Rs. 19.



The actual expenditure for the year *viz.*, Rs. 1,23,74 shows an increase of Rs. 2,60 on that of the previous year *viz.*, Rs. 121,14. This is due to increase of Rs. 2,80 under Maintenance of Properties and Streets and decrease of Rs. 20 under Debt Charges.

Details of Expenditure.

### Capital Account

The expenditure on Capital Works during the year amounted to Rs. 23,81. There was no fresh borrowing during the year. Reduction of debt during the year amounted to Rs. 7,34. The Liabilities of the Improvement Schemes at the close of the year stood at Rs. 15,19,17. The total Sinking Fund required up to 31st March 1955 was Rs. 5,05,90, but the actual value was Rs. 5,52,08 as under :—

Expenditure on Schemes, Loan Floated in the year.

Public Securities of the Market value of	Rs.
...	5,50,91
Interest accrued on the above Securities up to 31st March 1955	...
	1,17
Total	...
	<u>5,52,08</u>

### Education Fund

The income for the year was Rs. 1,49,67 made up of Rs. 99,05 and Rs. 13,40 being contributions from Budgets 'A' and 'D' respectively and Rs. 25,10 and Rs. 5,50 being Grants-in-aid from Government for Primary Education for the City and Suburbs and Rs. 6,62 Miscellaneous receipts. The expenditure was Rs. 1,38,16 (City Rs. 1,18,36 and Suburbs Rs. 19,80).

### IV.—ASSESSMENT AND COLLECTION

The rates of taxation remained the same as in the preceding year. The total number of properties during the year was 54,527 against 54,157 in the previous year showing an increase of 370. Out of these properties 46,659 were assessed to general tax, 2021 were exempted, 1125 were Municipal properties exempted from general Tax, 2115 were not taxed being small plots of waste land, etc., and 2607 were Municipal plots. The number of single room tenements, double room tenements and flats was 2,72,820, 69,369 and 48,185 respectively, against 2,61,006, 71, 351 and 54,723 in the preceding year.

Taxation Demand Collection and out-standings.

The rateable value of all properties in the city on the 31st March 1955, was Rs. 24,98,47,735 against Rs. 23,43,85,349 and Rs. 21,99,08,994 in the previous two years. This gave a rate of Rs. 107-6-8 per head of population against Rs. 100-12-0 in the preceding year.

The total number of vehicles and animals taxed during the year (including those taxed under the Public Conveyance Act, of 1890) was 43,600.

For property and wheel taxes 1,55,805 and 1,14,232 bills were, respectively, issued during the year. The amounts collected for property and wheel taxes against net total demands of Rs. 837.48 lacs and Rs. 55.63 lacs were Rs. 647.29 lacs and Rs. 39.20 lacs which worked out to 77.29 and 70.47 per cent. of the net demand respectively. The percentage of the total recovery to the total net demand worked out to 76.87. The total outstanding at the end of the year was Rs. 206.61 lacs. Of these, bills for Rs. 91.47 lacs were issued at the end of the year on account of revision of assessment under Section 167 and the complaints against the revision having not been disposed of, the taxes had not become final during the year.

The total amount of exemption from general tax allowed to different properties during the year came to Rs. 30.49 lacs against Rs. 29 lacs in the preceding year. The increase was due to the increase in the rateable values.

The number of claims received for drawback and refund was 59 and 4114 respectively against 56 and 3,064 in the previous year. Of these only 7 and 2328 respectively, were admitted, involving an amount of Rs. 727.14 and Rs. 4,12,859 respectively.

5,355 complaints were received against change of assessment during the currency of the year and 1,453 against the original assessment. There were 33 appeals against rateable values.

## V—TOWN DUTIES AND ELECTIONS

**Town Duties.** The gross realizations from Town Duties amounted to Rs. 93.49 lacs as against Rs. 93.86 lacs in the previous year. The net revenue during the year under report amounted to Rs. 77.75 lacs as against Rs. 74.19 lacs in the preceding year refunds being Rs. 15.74 lacs as against Rs. 19.67 lacs in the preceding year. The fees for stamping sugar bags, Tea cases, etc., amounted to Rs. 63,937 as against Rs. 83,532 in the preceding year.

**Elections.** During the year, two By-Elections were held for the Wards Nos. 6 and 24. Supplementary Election Roll was prepared and published on due date, as required under Section 21B of the Bombay Municipal Corporation Act.

The preliminary work in connection with the preparation of a de-novo Municipal Election Roll for the General Elections to take place early in 1956 commenced in January 1955.

## VI.—VAITARNA-CUM-TANSA SCHEME

### Major Works in Progress

#### *Vaitarna Dam*

- (a) **Excavation.**—The work of excavation was completed.
- (b) **Drilling and grouting.**—10,200 R.ft. of 1½" diameter holes were drilled along the length of the Dam through the foundation gallery and grouted with cement at 150 lbs. per sq. in.
- (c) **Concreting.**—55,71,700 C.ft. of cooled concrete was laid.
- (d) **Instruments in the body of the Dam.**—In order to study the temperature gradients, 7 thermometers were installed.
- (e) **Under Sluices.**—Two main gates were erected and built-in-parts of the emergency gate were fixed Built-in-parts of eight Crest Gates (4 electrically operated and 4 Buoyancy operated) were received at site and anchorages of two electrically operated gates were erected, lined and levelled.

**Concrete Testing Laboratory.**—Day to day control was exercised on the quality of concrete laid. The Laboratory also carried out other works as detailed in the Report.

**Power House.**—The municipal-owned Power House with a total installed capacity of 3,117 K.W. was in operation. A major portion of the electrical energy was supplied to the contractors for construction work and the remaining was used by the Municipal Employees and petty establishments in the Camp.

A lubricating oil filter was in commission during the year. It worked for 1,478 hours and 6,448 gallons of lubricating oil were filtered and re-used.

**Tunnels.**—The following incidental works in connection with tunnels between Vaitarna and Tansa were completed :—

- (a) Laying 126" dia. pipeline between Tunnel Faces Nos. 2-3 and 4-5.
- (b) Erection of main gate, emergency gate and Roller Shutter of Intake Tower.
- (c) Erection of both the gates at Bifurcation Chambers and M. S. ladders, etc., at the Intake Tower and Bifurcation Chamber.

**Embankment and Pipeline.**—The work of formation for laying 120" dia. pipeline and road from tunnel face No. 6 to Tansa was completed. Out of a length of 20 miles of pipeline to be laid under the 1st Stage, practically the full length was completed. Side by side, work under the 2nd stage was also started and 5 miles of pipes were fabricated and ¾ mile laid in position.

**Erection of Chlorination Plant at Powai.**—The work of constructing a structure for housing a new chlorination house was in progress. A contract for the supply

of the Plant and Machinery required for chlorinating the additional supply of water was sanctioned and order placed with Messrs. Candy Filters (India), Ltd.

A number of works were also carried out departmentally.

**Land Acquisition.**—Awards of compensation amounting to Rs. 6,74,555-6-0 in respect of Private, Inam and Government lands were declared.

An additional compensation of Rs. 2,26,000 was awarded by the Thana Court to the Inamdar of Tembha against his claim of Rs. 85 lakhs.

An area of 202 acres of Reserved Forest lands was deforested.

An area of 11 acres and 26 gunthas temporarily acquired for municipal and contractors, camps, quarry sites, etc., continued to be held in charge. Awards of compensation amounting to Rs. 13,005-5-0 for the lands acquired for the work of laying the 96" dia pipeline from Powai to Mahim were declared. Further proceedings were in progress.

**General.**—The various amenities provided at the Vaitarna Camp functioned satisfactorily.

10 rain-gauging stations were established in the catchment area of Vaitarna to collect any possible data on rainfall with a view to future augmentation of the water supply by recording the rainfall at Kalu River.

**Inaugural Ceremony.**—Shri Jawaharlal Nehru, Prime Minister of India, attended a ceremony on the 6th October 1954 held to transfer the Vaitarna waters to Tansa Lake.

**Strengthening of Tansa Dam.**—The work of strengthening the Tansa Dam by the 'Coyne' method was completed.

## VII.—PUBLIC WORKS

### I.—PLANNING BRANCH

It was decided that the general architectural treatment to the extension of the Head Office Building at Cruickshank Road should be kept in gothic type to harmonise with the existing building and majority of other buildings on the road. The plans of the elevation were therefore revised.

Plans and estimates for seven school buildings with a total accommodation of 267 class-rooms catering for 12,000 students were prepared. With a view to providing a certain measure of uniformity in the design, studies were made of several school buildings in the City and standards were evolved. The school building constructed on plot Nos. 160 B to 162-A at Sion complies with most of the recommendations of the Education Committee.

Plans and estimates were prepared for (i) a building at Municipal Group of Hospitals at Sion, (ii) a hostel building at T. N. M. College, (iii) a convalescent home at Parel and (iv) a layout plan for construction of a new building for B. Y. L. Nair Hospital and T. N. M. College.

Plans and estimates were prepared for (i) 156 tenements in Two-storeyed buildings at Haystack Road and (ii) 210 tenements in Transit Camps at Haines Road so as to facilitate slum clearance operations, (iii) a 4-storeyed building at Palton Road Estate on the site of Municipal patra sheds which were earlier cleared, (iv) 420 tenements in multi-storeyed buildings at Mahalaxmi on the site of patra sheds. The plans and estimates were also prepared for construction of dormitories— at (a) Palton Road Estate, (b) Naigaum Estate, for providing accommodation for footpath dwellers.

The question of acquisition of the Mumbadevi Tank for purposes of a garden and recreation ground was under consideration of the Corporation by the end of the year. A tentative layout plan for development of the Sion Fort as a garden and recreation centre was prepared. Estimates were also prepared for converting into recreation grounds the sites of ex-milch cattle stables at Bhuleshwar, Byculla and Parel.

A layout plan of plots Nos. 290-291 at Sion Koliwada was prepared for well planned re-development for providing housing for refugees and persons living in the locality.

Layout of Sion-Koliwada  
 Cultural activities. It was decided to have a Band Stand at Shivaji Park in Mahim Area and plans and estimates for the same were prepared. A plan was also prepared for Kirti Stambha at Gowalia Tank Maidan in memory of the Father of Nation, Mahatma Gandhi, at the suggestion of the Chairman, Gandhi Smarak Nidhi. A scheme for an Open Air Theatre at Victoria Gardens was also prepared.

Roads. By the end of the year the construction work of the pedestrian subway across Queen's Road near Churchgate Railway Station was taken in hand. Plans and estimates were prepared for concreting various roads and road junctions in the City. Revised plans were prepared to remodel the Sion Circle in accordance with the modern ideas of traffic engineering.

Storm Water Drains. In accordance with the policy of covering the open Storm Water Drains in the interest of sanitation, plans and estimates were prepared for covering (i) open channel between the Bridge on Dr. Annie Besant Road and Cleveland Bunder, (ii) open channel between Bellasis Bridge and Clerk Road.

Sewers and sewerage. Plans and estimates for purification plant at Lovegrove to give primary treatment were prepared and same were approved by the Corporation. As the ejectors in Colaba area are found inadequate on account of increased population and as the sewage has to travel a long distance to Lovegrove Outfall, a new scheme for a separate sewage purification plant for Colaba area was prepared.

Monsoon flooding. By the close of the year a proposal was under investigation to install a battery of pumps at Lovegrove to pump out storm water so as to meet the monsoon flooding of lowlying areas in the City.

Second 5 Year Plan Programme. A comprehensive programme detailing development schemes for Greater Bombay was prepared at a total estimated expenditure of Rs. 3,929 lakhs for City and Rs. 619 lakhs for Suburbs. A provision has been made for 10,000 and 1,000 tenements for slum clearance in the City and Suburbs, respectively, and 5,000 tenements for housing low-income groups.

Slum Clearance. An ambitious programme for slum clearance in the City has been drawn up and as a beginning, three pilot schemes were under taken for construction of buildings on the site of the Municipal slums at Palton Road Estate and Haines Road and for clearing the private slum at Kamathipura. A detailed survey of physical and sociological conditions of the Kamathipura area was nearing completion by the end of the year.

Master Plan. The total amount booked for preparation of Master Plan for Greater Bombay since its commencement amounted to Rs. 2,61,285.

Aerial Survey. Aerial Survey was completed at a total cost of Rs. 1,21,849 as against estimated (revised) cost of Rs. 75,200.

Industries in Suburban areas. Conferences with the representatives of Bombay Industries Association were held for deciding the question of issue of permits for industries and the decisions were communicated to them.

Development of Trombay Island. Work on Eastern Express Highway made further progress. Work of Railway Siding for Refineries was nearing completion and work of rail over-bridge along the Siding was in progress by the end of the year. The work of widening roads was also nearing completion.

Corridor Road. Since the Corridor Road was considerably damaged due to heavy traffic and abnormal rains, a proposal for reconditioning the same was formulated.

Refineries and Thermal Stations. Construction of Oil Refineries was completed during the year. The work of thermal stations of Tata Power Co., and Indian Rare Earths made further progress.

Anik Village and other areas. The work of relocation of Anik Village near Shiv Temple at Anik and near Ghatla was nearing completion. Tentative layouts for utilising Chembur and Kolekalyan areas for industrial purposes were prepared.

More meteorological data were studied for working out a scheme of reclamation by provision of spherical bunds and detention reservoirs and pumping stations. As a prelude to a large scheme, a pilot scheme for a portion of Dharavi area was under Preparation. A proposal to provide gates at the spans of Mahim Causeway was under consideration.

Reclamation of low-lying areas.

The matter of making available a portion of Juhu Beach for the purposes of further development was taken up with Government.

Juhu Beach.

## II.—CONSTRUCTION

Works estimated to cost Rs. 94,63,349 were in progress during the year and the expenditure booked thereagainst amounted to Rs. 12,33,689.

Housing.

Appendix B—1 shows the works completed and in progress during the year.

Works estimated to cost Rs. 35,86,935 were in progress during the year and the expenditure booked thereagainst amounted to Rs. 2,69,747. Appendix B—2 shows the works completed and in progress during the year.

Construction of structures other than Housing.

During the year under review the newly constructed detritus Tank at Love Grove and the R.C.C. Ducts costing about Rs. 12 lacs were put into commission. Due to improved financial conditions work on the Scheme of Improving the Sewerage System in the City was Pursued with vigour.

Sewers and Pumping Stations.

During the year under review, the works of (1) replacing the existing 1'—6" × 1'—9" Dhapa drain in Bhagwandas Indrajit Road at Banganga and (2) providing an additional 27" dia. H. P. S. W. Drain along Bhulabhai Desai Road from the Junction of Bomanji Petit Street to Scandal Point at Beach Candy were completed.

S. W. Drains.

The work of covering a length of 700' of the open channel from Dadar Purification Works up to Khed Gully junction and 750' of the open channel behind Arthur Road Prison was started by contract during the year.

No permanent construction of roads under 'A' Budget was undertaken during the year. The works of permanent construction of roads under 'B' Budget are shown in Appendix B-5 and B-6.

Roads.

The work of providing a pedestrian Sub-way at Churchgate was taken up by contract during the year. The work of raising the Sea Wall, providing a kerbline with incidental Drainage works at Hornby Vellard was also started during the year.

Miscellaneous.

No further work could be done on the Sea Wall at Worli. The work of cutting highlands at Sion, Scheme No. 6 was completed during the year and that of cutting Section III of Worli Hill was in progress.

The work in respect of parts I and II was in progress and completed in respect of Part II of the work of protective work to outfall sewer at Worli.

## III.—MAINTENANCE OF BUILDINGS AND ROADS

The total number of properties maintained during the year under report was 3213.

Repairs and Maintenance of Municipal properties.

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

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

New Works and Special Repairs works estimated to cost Rs. 6,96,233-6-0 were taken in hand and the expenditure against them during the year amounted to Rs. 3,93,733-1-0.

The work on the Five Years' Programme of heavy repairs and improvement to water supply at Ex-Trust Chawls as sanctioned under C. R. No. 2080 dated the 13th March 1950 was continued. The works of structural repairs by gunite-treatment were completed in respect of Chandanwadi Chawl No. 1 and Mandvi Koliwada Chawls Nos. 1

2 and 5, Nagpada Chawl No. 19 and Suparibaug Chawls Nos. 1 and 6 were completed. The work of improvements to water supply at Palton Road Chawls Nos. 1 and 2, Bellasis Road Chawls 19 Nos. and Nagpada Chawls Nos. 17, 18, 19 were nearing completion.

The works of oil painting, colour washing and white washing were carried out against a provision of Rs. 60,000 on the basis of 'A' Schedule Rates under Special Repairs.

The work of maintenance of municipal buildings increased enormously as many of the structures especially the acquired properties and Semi-permanent structures in the compound of M. G. H., Sion and R. P. T. B. Hospital outlived their useful life.

The total mileage of roads in the City at the close of the year was 274.056. 1.98 lacs of Sq. yds. of roads surfaces of different types were improved during the year. In addition 522 works for private parties and 679 works for other Municipal departments were carried out at cost of Rs. 2.55 and Rs. 5.20 lacs respectively.

An expenditure of Rs. 0.51 lacs was incurred on maintenance of different types of footpaths while an area of 51,668 Sq. yds. of footpaths was asphalted during the year.

Extensive damage was caused to the roads in the City owing to unprecedented rain fall. It was therefore proposed to bring many of these roads which had already outlived their useful life under permanent mode of construction and under their Resolution No. 896, dated 25th November 1954, the Corporation approved of a proposal estimated to cost about Rs. 27 lacs to asphalt and concrete surfaces of main roads which had previously semi-grouted surfaces.

Benches, street name boards and public monuments were maintained satisfactorily during the year. The question of removal of the Queen's statue at Mahatma Gandhi Road was under consideration.

Municipal fleet of lorries employed for transport of road materials being inadequate, lorries were hired on contract up to a maximum requirement of about 35 to 40 vehicles per day.

Traffic Islands were provided at 5 important intersections during the year and the total number of these traffic islands during the year was 104.

A sum of Rs. 96,447 was realised as Road Opening fees, ground rents on fees for temporary occupations of roads and footpaths.

The total number of street-lamps in the City at the end of the year was 12164 showing an increase of 247 Nos. over those existing during the previous year. These lamps consisted of Gas and Electric lamps. The Candle power consumed together with the expenditure incurred on the Street Lighting is given below :—

Kind of lighting.	Candle Power.	Expenditure. Rs.
Gas ..	19,97,490	12,16,512
Electric ..	99,4,005	6,41,213

As usual Rs. 43,860 were paid to Bombay Port Trust for lighting of wharves and roads in their charge by adjustment.

During the year under report the Hot Mix Asphalt continued to work by contract labour. Pegson Asphalt Mixer also worked. 1.47 lacs of Sq. yds. of roads and footpaths were treated with different methods of which 0.10 lacs Sq. yds. were renewed with 3" sheet asphalt.

The Crushers at Sewri and Worli worked satisfactorily during the year. The total output of crushed metal during the year was 8578 brass against 10,340 brass during the previous year.

Out of 12 actions reported to be in progress during the previous year, 1 action under Section 305 was completed during the year and one action under Section 377(1-A) was dropped.

As difficulty was experienced in maintaining the full supply level of water in Swimming pool leakages were suspected and the Pool was closed for investigation and repairing in mid-June 1954. The water was found leaking owing to imperfect closing of non-return valves which resulted in the movement of the sand underneath. The Pool was repaired and thrown open to the public after being closed for about a month and a half.

Mahatma Gandhi  
Memorial Olympic  
Swimming Pool.

#### Removal of Town Refuse to Deonar

A quantity of 3,65,687 tons of refuse was transported to Deonar at a cost of Rs. 7,18,093.

Removal of Town  
Refuse to Deonar.

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

Unloading of Refuse.

The position of the rolling stock was not satisfactory. The arrangement of running three trains was discontinued and two trains per day were run from 15th July 1954. No new wagons could be purchased in replacement of the wagons condemned during the year.

Rolling Stock.

The total area reclaimed was 446 acres showing an increase of 6 acres over the area reclaimed up to the close of the previous year. The total income realised from various sources amounted to Rs. 79,145.

General.

#### IV.—MAINTENANCE OF DRAINS AND SEWERS

The total mileage of pipe sewers and ovoid sewers at the close of the year was 229.02 and 21.79 miles, respectively, out of which, 52.25 and 6.23 miles, respectively, were cleaned during the year. The total length of storm water Drains was 217.22 miles, out of which, 6.89 miles were cleaned during the year.

Pipe Sewers, Ovoid  
Sewers and S. W. Drains.

Water courses, catchpits, 16064 water entrances (including perforated stoneware pits, etc.), and 41046 connections were cleaned.

Water Courses, Catch-  
pits, etc.

This installation was kept in working condition at a cost of Rs. 3,560.

Biological Installation.

All the vent shafts numbering about 1021 were maintained and kept in working order.

Vent Shafts.

The cleansing and maintenance of these channels were carried out at a total cost of Rs. 12,148 and the silt removed therefrom amounted to 1581 tons.

Cleansing and Main-  
tenance of S. W. Drains.

The work was suspended this year also for want of funds.

Relieving Arches at  
Falkland Road.

31 sluices on sewers and S. W. drains were operated and maintained.

Sluices.

The work of systematics cleansing of house drains was continued during the year. Special attention was paid to long lengths of common house gullies in this year also.

Common House Drains  
and House Drains in  
Private Properties.

The work of repairs and alterations to drains and sewers including removal and replacement of manhole frames and covers, water entrances, etc., was carried out as usual at a total cost of Rs. 35,483-10-0.

Maintenance of Drains  
and Sewers.

The work of giving new street connections to buildings was continued during the year, and 127 sewer street connections and 24 S. W. street connections were granted.

Street Connections.

The Departmental and Private works amounting to Rs. 1,18,082-6-0 were carried out during the year.

Departmental  
Private Works.

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 being 454, which resulted in 266 convictions, the total fines amounting to Rs. 3,317-8-0.

House Connections.

This scheme was continued during the year under review. This scheme was, however, deferred this year also in respect of such premises as were falling in the Town Planning Scheme of Mahim Woods. During the year under report, conversion of 4 privies was effected.

## V.—PRIVATE BUILDING CONSTRUCTION

With this branch vests the control on construction of new buildings and additions and alterations to the existing buildings. It issues requisitions for repairs etc., to private buildings. It also prevents encroachments within regular lines of the streets, deals with acquisition of setbacks, prescribing or revising regular lines of the streets and permitting stallboards and weather frames.

### Building Proposals

The total number of applications received for the construction of new buildings and for additions and alterations to the existing buildings was 4600 against 5052 during the previous year. The number of buildings actually dealt with was 2051 against 2067 during the previous year.

### Building Construction

1148 buildings were inspected by the Ward Staff in connection with the construction of new buildings, additions and alterations or repairs to the existing buildings etc.,

Total number of buildings constructed by private enterprise during the year was 383 as against 423 during the previous year. Out of these 133 were residential and 250 non-residential. The number of residential buildings constructed by Co-operative Societies was 9. The Number of residential buildings constructed by employers for their employees was 11.

### Enforcement of Building Regulations

(a) Action under Section 354—repairs to or removal of unsafe structures.

7,265 notices were issued under Section 354 of the Bombay Municipal Corporation Act for repairs to or removal of unsafe structures as against 5036 during the previous year. Out of these 5673 were complied with and the remaining 1592 were pending at the close of the year.

(b) Action under other sections of the Municipal Act.

Under several other sections operated upon by this Branch, 6577 notices were issued as against 7062 during the previous year.

### Building Collapses

There were 118 building collapses during the year resulting in 55 persons being injured and 14 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 419 cases. Out of these 376 were complied with and the remaining 43 were pending at the close of the year.

### Removal of unauthorised works

Sanction of the Standing Committee was obtained in 404 cases for removal of unauthorised works. In addition there were 80 cases from the last year. The unauthorised works in 137 cases were removed by the parties themselves and in 83 cases the works were removed departmentally. Out of the remaining 264 cases the works in 19 cases were regularised and 245 cases were pending at the close of the year.

### Acquisition of setbacks

Rs. 4,97,108-6-0 were spent on acquisition of setbacks. The area of the setbacks added to the road was 1364 sq. yds.

### Projections on streets :—Stallboards and weather frames

In all 943 notices were served under Section 308(2) of the Bombay Municipal Corporation Act. Out of these 798 were complied with and 145 were pending at the close of the year.



### **Cement authorisation to private house owners**

5034 applications were received and authorisation aggregating to 3284 tons and 16 cwts. of cement were issued.

### **Complaints from public**

5415 complaints regarding structural defects etc., were received. In 5192 cases necessary action was taken and 223 cases remained pending at the close of the year.

### **House Numbering**

The work of fixing number plates in C Ward is complete and that of D Ward is in progress. The work of surveying the properties in G Ward is over.

### **R. C. C. and R. S. Codes**

The special technical officer continued to scrutinize the structural designs (both R. C. C. and R. S.) submitted by the Structural Engineers for the erection or alterations to the buildings in the City.

### **Repairs to old buildings**

Issue of notices for repairs and launching of prosecutions continued as usual. In a few cases where tenants approached for an authority under Section 499 of the B. M. C. Act on failure of the landlords to carry out repairs requisitioned for, authorities were granted to them.

In some cases action had to be taken under Section 489 of the B. M. C. Act for pulling down unsafe buildings or portions thereof departmentally meeting the cost in the first instance from the provision of Rs. 50,000 sanctioned in the Budget Estimate for the year under reference under Advances—Advance for demolition of unauthorised structures and for removal of unsafe buildings in the City. In 4 cases contractors, bills amounting to Rs. 3,876 were paid from the said grant pending recovery from the parties concerned.

### **Deterioration of old buildings**

The old buildings further deteriorated due to the deadlock created by the unwillingness of the owners to repair old buildings. The recent amendment in the Rent Act, permitting increase over standard rents up to 5 per cent. of actual cost of major repairs carried out by an owner did not alter the situation to any appreciable extent. The question of carrying out a survey in some of the oldest parts of the City was therefore under consideration at the close of the year.

### **Necessity for providing alternative accommodation for persons affected by acquisition of setbacks and by pulling down of dilapidated buildings**

The question of providing transit accommodation for persons who would be dishoused on account of the acquisition of setbacks and pulling down dilapidated buildings was under consideration by the end of the year as the house owners were not able to provide alternative accommodation to the tenants that would be dishoused by enforcing setbacks, on old buildings.

## **VI.—MECHANICAL BRANCH**

This Branch looks after—

- (1) Maintenance and repairs of :—
    - (i) Sewage Disposal Plants.
    - (ii) Pumping Stations.
    - (iii) Compressor Stations and Ejectors.
    - (iv) Road Rollers.
    - (v) Lifts and Electrical Installations in the City.
    - (vi) Other Municipal Machinery and Installations.
  - (2) Manufacture of Standard Furniture and different types of castings.
  - (3) Municipal Workshop and Foundry.
  - (4) New Electrical Installations and improvements to existing installations in Municipal Buildings.
  - (5) Purchase of machinery for different departments.
- and is under the charge of an Assistant Engineer, 1st Grade, administratively designated Mechanical Engineer.

**(A) SEWAGE DISPOSAL PLANTS****(1) Love Grove Disposal Works**

(a) Love Grove Pumping Station: Both the Pumping Stations Nos. 1 and 2 worked satisfactorily during the year. The Pumping Station No. 2 was closed for a period from 1st March 1954 to 18th June 1954 for carrying out certain repairs and works. The total amount of sewage pumped was 26848.76 M.G. 3560 tons of silt was removed from the detritus chamber of the Pumping Station No. 1 and 4000 c.ft. of screening from Station No. 2. The average level of sewage at the station was 71:08 T. H. D.

(b) The new detritus tanks forming part of the works under the first stage of the proposed Love Grove Purification Works were put into operation on 14th December 1954.

(c) Iron drop gates near the outfall were being renewed. A new floodgate was being manufactured to replace a broken one and will be fixed in the channel shortly.

(d) The outfall sewer at Worli was inspected on four occasions during the year and no further damage beyond that reported last year was observed. The top portion of the outfall sewer was strengthened.

**(2) Sewage Purification Works—Dadar**

*General.*—The sewage Purification Works functioned satisfactorily throughout the year. The amount of sewage received for treatment at the Plant was 11,405 M.G.P.D. Out of this sewage 7.25 M.G.P.D. sewage received complete treatment, while the remaining 4.185 M. G. P. D. sewage received only preliminary treatment. The final effluent turned out by mixing both partially and completely treated sewage was quite satisfactory for dis-charge into the adjoining Storm Water drain.

The work of replacement of the existing pumps at Dadar Pumping Station with new larger ones had to be carried out during the year with minimum stoppage of the Station. During this stoppage a part of the sewage pumped into Dharavi Purification Plant from Mahim Pumping Station was diverted to this Station to continue the Gas supply.

*Activated sludge Plant.*—The worn out aeration cones have been replaced. The work of overhauling the entire machinery of the two rows was in progress. The plant worked satisfactorily during the year.

*Forced draft filters.*—The forced draft filters worked satisfactorily during the year and turned out effluent of tolerably good quality under local conditions.

*Digestion Tank.*—Digestion Tank No. 1 was out of commission for certain repairs and replacements from 20th December 1954. Digestion Tank No. 2 is being loaded as to generate the required quantity of gas during this period.

The total quantity of sludge gas generated amounted to 44.120 Million c.ft. The average daily consumption of gas for domestic and industrial purposes was 86744 c.ft. The revenue realised from the sale of gas amounted to Rs. 1,23,283-14-0.

*High Pressure Gas Compressor.*—This compressor worked satisfactorily during the year. The gully emptier vehicle worked satisfactorily on the compressed washed sludge gas.

*Gas engines.*—The engines worked satisfactorily during the year. for 708 hours generating 40152 K.W.H. which payable to B. E. S. T. undertaking resulted in a reduction of about Rs. 1,877-7-0 in the amount.

*Sludge during beds and the Digestion Sludge Manure.*—The revenue realised by the sale of manure during the year amounted to Rs. 8,704-14-0.

*Laboratory.*—5124 sewage, sludge and gas samples were examined during the year. The experiments regarding the preparation of compost manure utilising town refuse and sewage sludge were completed and report made about the findings.

The work of filling in the low-lying lands on the extension plant with city refuse and excavated earth progressed satisfactorily during the year.

*Repairs workshops.*—The work of installing machinery and providing electric supply was nearing completion.

### (3) Dharavi Purification Plant

The Plant worked satisfactorily during the year. The total volume of sewage received was 1139.81 M. G.

*Screen Unit.*—The raking mechanism worked satisfactorily during the year.

*Sewage pumps.*—The capacity of the pumps had gone down by about 30 per cent. during the year. Arrangements were made to replace the liners to improve the capacity.

*Detritus Tank.*—The original compressor for the air lift pump was replaced by a 50 per cent. oversized one and thereafter the detritus tank worked satisfactorily.

*Preliminary settlement tank.*—The preliminary settlement tank was frequently disturbed by the choking of the pneumatic pumps.

*Filters and final settlement Tank.*—These units worked satisfactorily throughout the year.

*Digestion Tank.*—The Digestion Tank is loaded to its normal capacity and the machinery worked satisfactorily throughout the year.

*Drying beds.*—The drying beds were found to be insufficient and at least half the digested sludge was let into the creek.

*Gas generation.*—The average generation of gas at the plant was 40,000 C. ft. per day. The revenue realised by the sale of gas amounted to Rs. 6,814-14-0.

### B.—Pumping Station

The city sewage continued to be discharged into the sea at three places *viz.*, Love Grove Outfall, Cleveland Bunder Storm Water Channel and Dharavi (Sion) Creek during the year. It was lifted through 13 Pumping Stations *viz.*, Dadar, Globe Mill, Matunga, Mahim, Jacob Circle, Tulsī Pipeline Road, Dharavi, Sion Wadala Nos. 1 and 2, Sewri, Tank Bunder and Warden Road. All the stations worked satisfactorily throughout the year.

### C.—Compressor Stations and Ejectors

(a) *Compressor Stations.*—The four electrically driven air compressor stations at Victoria Garden, Fergusson Road, Colaba and Warden Road worked satisfactorily during the year.

(b) *Ejectors.*—The underground ejector installations serving the southern, central and northern areas in the City continued to operate for lifting sewage from low-lying areas. These installations work on compressed air supplied by four air compressor stations. Most of the ejectors have served their useful life. Further their capacity is found to be inadequate to cope with the peak load flows reaching them. Wherever possible, the ejectors are, being replaced by pumping units and where this is not possible, it is proposed to replace the existing vessels of the ejectors by the new ones of a larger capacity.

### D.—FloodGates

There are three floodgates and five drop-gates at Love Grove, two floodgates with 8 needle gates at Cleveland Bunder and three wooden needle gates at Dharavi.

### E.—Refrigeration Plant at A. C. Market

The new Refrigerator Plant at A. C. Market worked satisfactorily during the year.

### F.—Municipal Workshops

Total expenditure on departmental works carried out in the Municipal Workshops during the year amounted to Rs. 3,76,852.

### G.—Municipal Foundry

Most of the work in connection with the installation of the foundry was completed. The foundry was working on Suspense Account Basis.

Some special types of castings like C. I. special pipes (bends) for Matunga Pumping Station, Impellers for various Pumping Stations, penstock gate for H. E., winches for drainage department and other intricate castings were manufactured in the foundry this year. The rate compared very favourably with outside manufacturers. The quality and soundness of the product was also quite up to the mark. Most of the castings required for various departments are now manufactured in the Municipal Foundry.

### H.—Design Section

The Design Section of the Municipal Workshops carried out the work of preparing estimates, drawings and drawing out specifications for machinery to be purchased, Mechanical Repairs or furniture to be purchased and manufactured for various departments of the Municipality. In addition, this Section executed outdoor Mechanical jobs for various departments.

### J.—Electrical Section

This Section is in charge of all Municipal electrical installations except those under H. E. and those in *Ex-Trust* chawls.

The type and nature of works handled by this section was varied and included works in connection with—

- (1) Minor jobs of repairs and maintenance for lights and fans.
- (2) Re-wiring of installations.
- (3) New installations for offices, gardens, hospitals, etc.
- (4) Electric lifts, air-conditioning, refrigeration, Mortuary plants, etc.
- (5) Maintenance (electrical) of sewage, pumping and purification installation for major faults and failures.
- (6) Electric installations of major nature including electrification of Municipal tenements under the E. A. & L. M. and H. S.

### Republic Day Illumination

Illumination for Municipal Buildings, Gardens etc., was executed for the first time economically and successfully by the departmental staff.

### Crematorium

Operation of one furnace was started on the 6th May 1954 and since 28th February 1955, one furnace was always kept working. About 688 bodies were cremated during the year. Both the furnaces worked satisfactorily throughout the year.

### K.—General

The recommendations of Messrs. Ibcons Ltd., with regard to the improvement of the working of the Municipal Workshops were being gradually implemented during the year.

## VII.—TRANSPORT

The main responsibility of this Branch is the repairs and maintenance of the refuse and transport vehicles and the execution of the various repairs jobs of the vehicles different departments except those belonging to the Hydraulic Engineer's Department and the Fire Brigade who have their own staff. The Branch is in charge of an Assistant Engineer, 1st Grade, styled as Transport Superintendent.

### A.—Fleet

There were 457 vehicles in commission in the City during the year under review as against 448 in the previous year. A new Bull-dozer was added at a cost of Rs. 35,680 in order to level the refuse heaps at the different dumping grounds for carrying out the work expeditiously and economically. An electrically powered air compressor and a washing plant were purchased and are proposed to be installed at Mahalaxmi Siding where all the refuse vehicles go to unload the refuse, and where it will be possible to wash the vehicles after their last trip, test the tyre pressure and inflate them, if necessary.

### B.—Garaging of Vehicles

As in the previous year majority of the vehicles were garaged at 5 different places in the City. *viz.*, the refuse lorries at Arthur Road, Annesley Road and Palton Road; Ambulances, Hearses and staff-cars at Ambulance Garage at Arthur Road and the Meat Vans, offal lorries and school buses at Foras Road.

Major repairs and overhauling work of the engine and other chassis units were generally carried out at the Motor Repairs Shop of the Municipal Workshops situated at Foras Road. Other work and painting was done by the Mechanical shops. Running repairs were being carried out to the vehicles at each of the garages except the Ambulance Garage at Arthur Road.

The refuse vehicles comprise of 23 Leyland Moving Floors, 29 Scammell Mechanical Horses and 188 trailers, 39 Fergusson Tractors and trailers, 13 Bantam Carriers and 75 moto Carts. In order to facilitate proper control and minimise idle running a proposal was approved during the year to shift some of the refuse vehicles from Arthur Road Garage to places where those vehicles generally work and accordingly 29 Mechanical Horses were shifted to 'D' Ward Annesley Road Stables. Similarly 39 Fergusson Tractors and Trailers will be shifted to G/North Stables at Sorab Mill Lane when those stables are modified to suit the garaging of the vehicles and 23 moving floors to Transport Garages, Worli. A proposal to house a majority of the vehicles at the Transport Garage, Worli was under consideration and plans in this respect were being finalised by the close of the year.

### C.—Leyland Moving floor lorries—Conversion into fixed floors

The fleet of the 23 Leyland Moving floor lorries, wherein the refuse is compressed and pushed forward by means of a conveyor system consisting of slats and unloaded by reversing the process, was found unsuitable for our city refuse containing pieces of tin, glass, rags, waste, etc. Accordingly, an order was placed during the year for the conversion of these vehicles into hydraulic tipping lorries and by the end of the year, 4 vehicles had been converted and put in operation. The converted vehicles gave good results.

### D.—Disposal of Refuse

The total collection of refuse in the city limits exceeded 2,000 tons per day during the year, especially during peak fruit season. A part of the refuse continued to be disposed off by transportation in Railway wagons from a special siding at Mahalaxmi, to Deonar. The remainder was disposed off by dumping it on the low lying lands behind the Jewish Cemetery at Haines Road or at Dharavi.

Due to the irregular Katchara train services and non-availability of wagons especially during the monsoon the refuse which was directly emptied out into the wagons had to be dumped at the Palton Road and Prabhadevi Yards, Mahalaxmi Siding and Haines Road Dumping grounds. There being no approach roads to the dumping ground, some of the vehicles got bogged and were badly damaged causing serious dislocation and delay in disposal of refuse. Proposals to construct water bound roads with unloading platforms at Haines Road and Dharavi grounds and to hire or purchase more wagons from the Railways were finalised during the year.

### E.—Augmenting the fleet

In order to augment the existing fleet to meet the growing requirements and to provide a standby, 6 Scammell Horses were ordered during the year. A Scheme to purchase a new fleet of 15 Pick-ups, 90 trailers, and 12 low-loaders to replace the moto carts was finalised and funds were provided in the next year's Budget. The work of converting into trailers 30 moto-carts out of 75 moto-carts which became unserviceable and whose bodies were in a fairly good condition, was taken in hand departmentally and major portion of this conversion was completed during the year.

### F.—General

Messrs. Ibcn Ltd., who were entrusted with the reorganisation work of the Transport Section submitted their report and their recommendations were under study and consideration by the end of the year.

In order to achieve better co-operation and co-ordination, between different sections, the Transport Superintendent introduced fortnightly meetings of the officials of the Branch. This helped to improve the general efficiency of the Branch and turn out the maximum number of vehicles in service.

## VIII.—TOWN PLANNING SCHEMES

The area under all the Town Planning Schemes was kept under vigilant control with a view to preventing works in contravention of the Bombay Town Planning Act.

Commencement Certificates were issued in consultation with Arbitrators after proper scrutiny of proposals.

The Arbitrator after completion of the proceedings, etc., published his award on 31st March 1954. The final scheme was drawn up by the Arbitrator in conformity with the decisions of the Tribunal of Arbitration. Government's sanction thereto is awaited.

Town Planning Scheme  
Bombay City No. 1  
(Mandvi).

By the end of the year, Shri V. K. Bakre, Consulting Surveyor to Government and Arbitrator for this Scheme completed the arbitration proceedings and his award was awaited.

Town Planning Scheme,  
Bombay City No. 2  
(Mahim).

Shri G. J. Desai, retired Consulting Surveyor to Government was appointed as Arbitrator in respect of this Scheme. Proceedings were in progress by the end of the year.

Town Planning Scheme,  
Bombay City No. 3  
(Mahim).

Shri G. J. Desai was appointed as Arbitrator for this Scheme also on 14th March 1955.

Town Planning Scheme,  
Bombay City No. 4  
(Mahim).

## IX.—FACTORY PERMITS

The revised draft Zoning legislation prepared by Messrs. Crawford Bayley & Co. was not approved by Government and therefore the establishment and working of the factories continued to be controlled under Section 390 of the Bombay Municipal Corporation Act. The work of issuing permits which was hitherto being done by the Health Department was transferred under the control of City Engineer with effect from 1st March 1955. The monthly meetings of the Zoning Committee consisting of the heads of different Branches concerned were continued during the year.

## VIII.—IMPROVEMENT TRUST AND MUNICIPAL SECTION

### 1. Acquisition of Land

(i) Acquisition proceedings were completed and possession of the following properties was obtained.

(1) Land bearing C.S. No. 313, 69(part) and 3/69(part) of Colaba Division for a Municipal School and Fire Brigade Station.

(2) Land bearing C.S. No. 43 of Sion Division for a combined Municipal Market at King's Circle.

(3) Government land in C.S. No. 32(part) and C.S. No. 2/32(part) of Sion Division for Municipal Pumping Station.

(4) Land bearing C.S. No. 1598 of Byculla Division for the extension of B. Y. L. Nair Hospital and extension of T. N. Medical College.

(5) Land bearing C.S. No. 2/521 of Malbar Hill Division for Municipal Offices, set back, and School.

(6) Government land bearing C.S. No. 353 and 354 of Bandra for Sewage Purification Works at Khar.

(7) Land for a dispensary at Bhandup.

(8) Plot No. 7, Scheme No. 57, Sewri Wadala South was acquired under urgency clause for the B. E. S. & T. Undertaking.

(ii) Acquisition proceedings in respect of the following properties required for Municipal purposes were in progress.

(1) C.S. No. 1401 of Lower Parel Division for the construction of 50' Road from Bhawani Shankar Road to Tulsi Pipe Road.

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

(3) Land bearing C.S. No. 1/760 and 2/760 of Mazgaon Division for a Municipal Pumping Station for Chinchpokali Area.

(4) Land bearing C.S. No. 1597(part) of Byculla Division for the extension of B. Y. L. Nair Hospital and T. N. Medical College.

(5) Land bearing C.S. No. 1124 of Dadar Naigaum Division for housing.

(6) Land bearing C. S. No. 1/134 and 1A/134 of Colaba Division for a Maternity Home.

(7) Land admeasuring 9280 sq. yds. at Kurla for a Market and Office.

(8) Land admeasuring 2300 sq. yds. in Santacruz East for a Municipal School Building.

- (9) Land admeasuring 3500 sq. yds. at Versova for Sweepers' quarters.  
 (10) Land admeasuring 1400 sq. yds. at Takia ward Kurla for a Municipal School Building.  
 (11) Land at Govandi for an approach road to Govandi Railway Station.  
 (12) Land at Chembur for a Fire Brigade Station.  
 (13) Land at Kurla bearing Plot No. A for a B. E. S. & T. Bus Depot.  
 (14) Land occupied by Milch Cattle Stables in the City of Bombay:—Awards in 5 more cases were declared. References to High Court in case of two awards were also decided.

- (iii) The following properties were sanctioned to be acquired.  
 (1) Land at Tardeo for a beef market.  
 (2) Land for a School in D. P. Wadi at Ghorupdeo.  
 (3) Land for the extension of Elphinstone Road Market.  
 (4) Site for a School at Colaba.  
 (5) Land for a School and a Market at Mazgaon.  
 (6) Land for a School at Vithalbhai Patel Road.  
 (7) Some plots of land of Backbay Reclamation Scheme for a market.  
 (8) Land near Chembur Level Crossing for construction of 40' Road.  
 (9) Land admeasuring 72 acres and 23½ Gunthas for development Scheme at Vikhroli out of which possession of 34 acres was taken during the year.  
 (10) Land at Gundavli for Acqua Privy Block.  
 (iv) Acquisition of Municipal Land by Government of India and Government of Bombay.  
 (1) Possession of passage of land of 160 sq. yds. behind plots 103, 140, Scheme 11, Agripada West Estate was given to the Bombay Telephone Exchange.  
 (2) Plot No. 11-B, Scheme 21, Wodehouse Road Estate for housing the members of the legislature and Government servants:—Compensation awarded to the Municipality, was accepted under protest and an application for a reference to the High Court was made.  
 (3) Area admeasuring 1226.73 sq. yds. of plots Nos. 8-9 and 10, Scheme 29 Nowroji Hill Estate was acquired.

Housing of squatters at Mankhurd and Jogeshwari:—A non-recurring grant of Rs. 5,00,000 was received from the Government of Bombay towards the expenditure incurred by the Corporation on the acquisition of lands and construction of colonies.

### 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 received.

There were no changes in layouts in the *Ex-trust* Estates except in schedule W Land where redevelopment of the area occupied by Mahalaxmi Semi Permanent sheds was approved by the Corporation under their resolution No. 197 dated the 10th May 1954.

### CHANGES IN THE EX-TRUST AND MUNICIPAL ESTATES

The area of the permanently leased land increased during the year from 57.68 lacs. sq. yds. to 57.72 lacs. sq. yds. and the rent in respect thereof increased from Rs. 42.20 lacs to Rs. 42.33 lacs. The area of the developed land which remained to be leased was 2.15 lacs. sq. yds. as against 2.16 lacs. sq. yds. in the preceding year.

The area of undeveloped land remained the same as in the previous year *viz.* 51.97 lacs. sq. yds.

Out of the total of 2,879 acres (acquired by the *ex-Trust*) about 37.3 per cent. remained to be developed and out of the developed area 3.5 per cent. remained to be leased which included an area of 1,64,680 sq. yds. reserved for Municipal purposes.

### SLUM CLEARANCE

In Scheme 57, Sewri, 194 tenements in two storeyed buildings were completed.

### DIS-HOUSING AND RE-HOUSING

New residential accommodation made available by the lessees of the *ex-Trust* Estate:—The total number of tenements provided up to-date in all the Trust Estates including those erected by the Development Department and the several Mills exceeded the total number of tenements demolished by 35,477.

*Housing of squatters.*—About 2800 and 992 squatter families resided in the colonies at Mankhurd and Jogeshwari respectively. The recoveries of rents continued to be far from satisfactory owing to unemployment among the squatters. A Municipal Dispensary on the outskirts of the Jogeshwari Colony was constructed and a suction pump tank at the entrance of Jogeshwari Colony was provided to improve the water supply. A welfare centre at Jogeshwari Colony was being conducted.

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

## DISPOSAL OF LANDS

### Long Leases

The number of plots let out during the year was 10 admeasuring an area of 8879 sq. yds. and valued at Rs. 4,51,385. The total number of plots disposed of up to 31st March 1955 was 4,233 admeasuring 59,67,899 sq. yds. and valued at Rs. 12,33,04,538. Three plots admeasuring 4,591 sq. yds. valued at Rs. 1,01,649 yielding an annual rent of Rs. 2,178 which were disposed of during the previous years were surrendered.

### SHORT LEASES

No temporary leases were granted during the year.

The number of vacant land tenancies on both the Municipal and *Ex-trust* Estates was 3309 at the close of the year. The demand for vacant land tenancies in *Ex-Trust* Estates was Rs. 8,17,313 and the recovery was Rs. 10,28,035 Arrears amounting to Rs. 1,15,269 were still due from Military Authorities and correspondence for the same was in progress. As regards the areas in Scheme 58 and 52, Worli, requisitioned by the Collector of Bombay, the rate of compensation payable was not fixed. Directions were given by the Government of Bombay to fix the compensation soon.

## MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE

### A. Trust Section

*Ex-Trust permanent chawls.*—The gross demand for the year was Rs. 11,30,423. The net demand excluding the amount of vacancies and concessions granted to public bodies and associations was Rs. 11,00,646. The revenue actually collected came to Rs. 10,49,938 which was equivalent to 81.24 per cent. of the total amount recoverable including the arrears.

*Semi-Permanent Sheds.*—The gross demand for the year in respect of rooms in Semi-Permanent Sheds was Rs. 4,36,133 and the net demand after making allowances for vacancies and concessions was Rs. 4,26,924.

The actual collection came to Rs. 4,35,366 which was equivalent to 84.71 per cent. of the total recoverable amounts including the arrears. The percentage of outgoings in respect of chawls and Semi Permanent Sheds worked out to 80.42 and 81.11 respectively of the annual demand. The collection of rent in chawls amounted to Rs. 10,49,938.

Deducting therefrom the expenses on account of outgoings amounting to Rs. 8,41,707 the net income came to Rs. 2,08,231. The capital expenditure incurred on these chawls including the value of land amounted to Rs. 155.94 lacs. The Corporation are required to pay annually the interest and sinking fund charges aggregating to Rs. 9.15 lacs at the rate of 4.65 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. 6,96,182 under the permanent chawls for the year under review.

Bye laws for maintaining sanitation etc., in Municipal chawls and building were enforced and fines aggregating to Rs. 311 were imposed and collected from the tenants for the breaches of these rules.

First Aid Sets and Sick Room Requisites such as thermometers, Ice-bags, etc., were maintained at 8 Chawl Centres, Matunga Labour Camp, Dharavi and Mankhurd colony for squatters. Six radio sets for Bombay Station with 15 watts amplifier with loud speaker arrangement were continued at (1) Agripada, (2) Mazagaon, (3) Chandanwadi, (4) Imamwada (5) Bellasis Road and (6) Love Lane chawl centres.

The prizes of Rs. 50 and Rs. 20 for maintaining best sanitation of the chawls were awarded for the 1953-54 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 chawl Centres were also awarded.

459 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 409.

During the year, 36 lessees were granted permission for the construction of motor garages in the compulsory open spaces and additional floors were sanctioned in 47 cases. 240 cases of encroachments were detected.



## IX.—WATER WORKS

### I.—Head Works at Lakes and Trunk Water Mains

The City of Greater Bombay derives its water supply by gravity from three Lakes or Impounded Reservoirs, namely Tansa, Vehar and Tulsi. The work of constructing a reservoir at Vaitarna is in progress. The total quantity of water supplied to Greater Bombay during the year, was 48,822.40 million gallons. The quantity of water supplied to the City proper, was 43,890 million gallons, of which 31,409 million gallons (71.58 per cent.) was for domestic supply, 8,294 million gallons (18.9 per cent.) for trade and industries and the balance of 4,187 million gallons (9.52 per cent.) for public purposes. The quantity of water supplied to the Suburbs was 4,932 million gallons of which 2,955 million gallons (60.5 per cent.) was for domestic requirements and 1,977 million gallons (39.5 per cent.) was for trade, industries etc.

Sources and Quantity of Supply.

### II.—Maintenance Branch, Outside City Division

This branch is entrusted with the work of repairs and maintenance of trunk mains, cuttings, culverts, head works at the lakes, sterilization of City's water supply etc. 131 miles of steel mains, 48.2 miles of Cast Iron mains, 23.2 miles of masonry duct, 362 bridges and culverts, 81.5 miles of trolley track are maintained by this division.

General.

6 heavy type and 7 light type motor trolleys were maintained during the year. A 500 B.H.P. pumping set at Tansa was worked during the year for a period of 8 hours a day during the month of May 1954, to boost up the pressures in the 72" East Tansa main.

Maintenance of Plant, Equipment, and Motor Trolleys.

10 Gardens were maintained during the year. The total number of visitors to the Tansa Lake and at the Vehar Lake was 60,000 and 2,00,000 respectively.

Public Gardens and Parks attached to Tansa, Vehar and Tulsi Lakes.

The Tansa supply was sterilized by Chloramine treatment at Powai and Ghatkopar. The Vehar supply was sterilized at the Chlorination Plant at Powai. The average draw-off from Tulsi Lake was about 4 million gallons per day, which was first treated with Potassium Permanganate and then given Alum treatment for coagulation of water. After filtration, the water supply was treated with Chloramine treatment.

Sterilization of Water Supply.

Fortnightly bacteriological and chemical analysis of water from the trunk mains after chlorination, were carried out by the Municipal Analyst. 420 samples were taken and analysed. All samples gave negative reaction of B Coli in 100 which showed that water was fit for potable purpose.

Bacteriological and Chemical of Analysis of Water.

The Labour Welfare Centre was equipped with several indoor games and was well patronized by the staff. Six dispensaries were maintained. During the year, a First Aid Centre at Agra Road was opened, which was well patronised by the employees of Jamboli and Mandola Divisions.

Welfare Activities and Medical Relief.

### III.—Maintenance Branch, Inside City Division

This branch is concerned with the maintenance of Water Works, Inside the City, comprising of repairs and maintenance of water mains, hydrants, fountains and cattle troughs, plant and machinery, testing of water fittings, repairs and maintenance of water meters, making new connections, operation and maintenance of Chlorination Plants at Malabar Hill Reservoir, Bhandarwada Hill Reservoir, and Futka Tank cleaning of consumers' pipes and fittings etc.

General.

A total length of 420 running miles of water mains were maintained during the year. There were 18 bursts on mains which were promptly attended to. 36,838 works were carried out, pertaining to repairs to communication pipes, cleaning of chokes in service pipes, cleaning of meter strainers etc. Out of 10,000 fire hydrants in the City, 7,558 were repaired during the year.

Maintenance of Water Mains and Hydrants.

The total number of water connections to different premises in the City was 60,761. The number of new water connections made during the year was 1,256 out of which 1,122 were granted at party's cost and 134 from Municipal Funds. 11,507 trenches of varying lengths were excavated for making connection and for general repair and maintenance works.

Number of Water Connections and Trenches.

During the year, 8,937 repair jobs pertaining to meters were carried out and 3,012 meter strainers were cleaned.

Repairs to Meters.

16 pumping sets were maintained. With a view to giving adequate supply to elevated areas of Dongri, and Mandvi, an additional 275 B.H.P. pumping set was installed at Bhandarwada Hill Reservoir and brought into commission. An additional pump of 75 B.H.P. capacity was installed at Government Gate Road Pumping Station to boost up the pressure in Parel Tank Road, Golanji Hill and Sewri areas.

Maintenance of Pumping Sets.

With a view to keeping the required standard of residual chlorine inside the City, and extra dose of Chlorine was injected into the Inlet mains at Futka Tank, Malabar Hill and Bhandarwada Hill Reservoirs. About 1,78,132 lbs. of Chlorine was consumed for re-chlorination inside the City during the year.

Maintenance of Chlorination Plant inside the City.

11 petrol-driven motor vehicles, 1 diesel motor lorry and 26 material hand-carts were maintained for transport of men and materials. For emergency fire service, two motor vans were utilised, one being stationed at Babula Tank Control Station and the other at Chamarbag, Parel.

Transport.

The work of testing galvanised iron pipes, cast iron pipes, fittings etc., was carried out during the year at the Water Works Workshop, DeLisle Road. The total number of pipes and fittings tested was 2,10,538.

Testing of Water Fittings.

During the year, 6,462 Municipal meters of different sizes, and 460 private meters were tested. Orders were placed for the supply of 626 water meters for use inside the City; out of which, the supply of 274 meters was received. The total number of Municipal meters in the City was 8,833.

Testing and Purchase of Meters.

The garden along the slopes of Gibbs Road and Ridge Road, Sir Pherozezshah of Mehta Gardens, Ladies' and Children's Garden at Ridge Road, Kamala Nehru Park and Joseph Baptista Garden were maintained during the year. The work of providing electric lights in the Kamala Nehru Park was entrusted to the Bombay Electric Supply and Transport Undertaking and the work was nearing completion. A proposal for construction of a sanitary block for Sir Pherozezshah Mehta Gardens was approved by the Corporation and the work was being taken in hand.

Maintenance of Gardens.

#### IV.—Distribution Branch

This branch comprises of three sections, (a) Ordinary, (b) Waste-Prevention and (c) Meters. For the purpose of distribution of water, the City is divided into 3 main divisions, namely, (a) the areas getting supply from the Malabar Hill Reservoir, (b) those from Bhandarwada Hill Reservoir and (c) those getting direct supply. The new 96" trunk main for a length of about 7 miles from Powal to Bandra was put into commission in the month of June 1954. A further section of 3 miles from Kasheli to Mulund was put into commission in April 1954 and another Section of 3 miles from Mulund to Bhandup was put into commission in November 1954. Thus, a total length of about 13 miles was brought into commission. The average quantity of water per day distributed to Greater Bombay was 133.76 million gallons, i.e., 120.04 million gallons and 13.72 million gallons respectively to the City and the Suburbs. A number of cross connections were made in different parts of the City to improve the pressures in different localities.

General.

There were 13,629 short supply complaints during the year. The reduction in number of complaints was due to the general improvement in pressures throughout the City.

Short Supply Complaints.

The number of prosecutions launched under Section 271(2) and Section 274 of the Bombay Municipal Corporation Act was 525. The number of convictions was 263 and 55 cases were withdrawn after complying with the notices, or part thereof. 207 cases were pending at the end of the year. The total amount of fines recovered was Rs. 3,784. Besides, 5,265 notices under Section 278(2) of the Bombay Municipal Corporation Act, were served on the owners, of which the number of prosecutions launched was 382. The number of convictions was 251 and the amount of fines recovered was Rs. 1,697.

Notices and Prosecutions.

Section 173 and Section 276 of the Bombay Municipal Corporation Act were amended with a view to enable the owners to recover the difference between the water charges and the water tax paid by them in case of such premises which were being metered under the new policy of metering domestic supply and to permit the tenants to provide their own meters, subject to rules and regulations framed by the Municipal Commissioner.

Metering of Domestic Supply.

The number of cases reported to the Standing Committee for severing water connections for non-payment of taxes was, 1,111. In 264 cases, the supply was closed but subsequently restored. In 49 cases the water connections were cut off.

**Disconnecting the Water Supply.**

The total number of calls received from the Fire Brigade Department was 1,081. They were promptly attended to by the Municipal staff.

**Fire Attendance.**

235 miles of mains varying from 4" to 9" were tested by Deacon Meters in the City, and 211 miles of mains from 12" to 72" were sounded. 49,313 leaky taps were rewashered during the year.

**Testing of Mains by Deacon Meter and Sounding, and Re-washing of Leaky Taps.**

The total revenue derived from water supply by meter measurement was Rs. 1,45,36,428 for the City only, as against Rs. 1,06,67,420 during the previous year.

**Revenue from Metered Connections.**

8,833 meters of sizes varying from 1/2" to 8" were maintained during the year. The programme of metering of domestic supply in areas where the supply quantum was above average was continued during the year and 236 new properties were metered.

**Meters.**

### V.—Construction Branch

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 Funds. A number of works of laying different sizes of mains and connections were also carried out on behalf of other department of the Corporation and private parties.

**Laying New Mains.**

7 works for improvement and regulation of water supply were carried out during the year.

**Works for Regulating Supply.**

It was found that at many places heavy corrosion had set in, resulting in puncturing of the plates of the 57" steel mains. In order to prevent further deterioration, 1,048 R.ft. of water mains, which were partly corroded were patch-plated and guniting.

**Protection of the 57" steel mains in the City by Patch Plating and Guniting.**

Compartments I and II of the Malabar Hill Reservoir were cleaned on 22nd January 1955 and 5th January 1955, respectively.

**Cleansing of Reservoirs.**

### VI.—Works Branch

The work of laying the two outlets for the Malabar Hill Reservoir, one to serve the Kalbadevi and the other Fort area, was continued during the year. A cross-connection between the 21" main in Girgaum and the 48" Kalbadevi Outlet, at the junction of Girgaum Road and Guzdar Street was made in July 1954, as a result of which, pressures in the Girgaum locality improved considerably. 5 more cross-connections were made at Thakurdwar, Netaji Subhash Road, and Flora Fountain for proper zoning of the supply.

**Kalbadevi and Fort Outlets.**

### VII.—Survey and Design Branch

Several proposals for laying water mains for improvement of supply were formulated and during the year, plans and estimates amounting to Rs. 1,69,00,000 were prepared and submitted to the Works Committee and the Corporation for sanction.

**Preparation of Plans and Estimates.**

1,282 cases of compounded water charges for water used for construction purposes were framed, resulting in total revenue of Rs. 6,02,698. Additional 394 cases of Suburban Branches were dealt with, resulting in a revenue of Rs. 53,013.

**Compounded Water Charges for Water used for Building Purposes.**

As the final stage of the Vaitarna-cum-Tansa Scheme was likely to be completed by December 1956, it was considered necessary to remodel the existing distribution system, with a view to ensuring equitable distribution of additional supply to be brought to the City. For this, plans and estimates amounting to Rs. 83,68,956 were prepared and submitted to the Corporation for sanction.

**Remodelling of Distribution System in the City.**

### VIII.—Standards Branch

The total reduction effected in strength of the department was 499 workmen in the City and 33 in the Suburbs, resulting in a saving of about Rs. 4,83,000 per annum on account of implementation of Ibcon's Report.

### IX.—Works of Interest

An R. C. C. structure to accommodate a Canteen for the workers and a Store Room for cement was constructed at the Maintenance Branch, Inside City. Sir Pherozeshah Mehta Gardens, Kamala Nehru Park, the Water Tower at Malabar Hill Reservoir and the Joseph Baptista Gardens were illuminated by coloured lights on the Republic Day. A scheme for improvement of water supply by providing additional storage tanks and pumping arrangement at Municipal Chawls at Bellasis Road and Nagpada Road was carried out. 43 acres of land near Powai Lake was proposed to be developed in a Public Park in natural surroundings. The work was in progress during the year.

The work of strengthening the Tansa Dam by Coyne method was completed by the end of the year. A pavillion was constructed at Tansa with lawns laid out for giving greater recreational facilities to the public who visited this place in increasing numbers. On the 6th October 1954, a ceremony was performed by the Prime Minister of India, Shri Jawaharlal Nehru, to transfer Vaitarna water into Tansa Lake to mark the first phase of the Vaitarna Project.

### X.—BOMBAY FIRE BRIGADE

#### Fire Brigade

During the year the total number of Fire Stations continued to be 11 in the City and 1 in the Suburbs. The Fire Brigade Department had 16 motor Pumps (all fitted with First-aid appliances), 8 Trailer Pumps, 3 Turn Table Ladders, 1 Motor Emergency Tender, 1 CO<sub>2</sub> and Foam Crash Tender, 47 Ladders of various types with other special gears for fire-fighting and attending to special services.

The number of calls received was 1,286 of which 902 calls were for 749 actual fires, as against 1,247 calls of which 785 calls for 657 actual fires, during the last year. The estimated loss caused to properties damaged by fire was about Rs. 31.25 lacs, as against Rs. 28.12 lacs in the previous year. Of this loss, Rs. 20.20 lacs was covered by insurance. The total value of the properties involved in fires was Rs. 11,12,8.48 lacs as against Rs. 27,15.47 lacs, in the preceding year.

The number of calls received for rendering assistance at special services was 172 of which 129 were for collapsed buildings and 43 were for rescue work as against 115 calls in the preceding year.

The total number of Fire Alarm Posts, including private Fire Alarms in the City was 206 and over 50 per cent. of the total calls were received through this system.

#### Ambulance Service

The ambulances attended 1,367 calls for accident, 1,729 for maternity and 3,292 for hire, removing a total number of 6,254 persons, as against 1,387, 1,913 and 2,872 calls respectively removing 6,049 persons in the previous year. The receipts for the year through hire amounted to Rs. 21,928 as against Rs. 18,858 last year. First-aid was rendered by Ambulance Staff on 484 occasions as against 316 in the previous year.

### XI.—PUBLIC GARDENS

During the year under report, the department maintained 95 sites consisting of 19 gardens, 4 fountains, 3 bandstands, 7 traffic islands, 5 open spaces, 52 recreation grounds, 1 statue and 4 box hedges. It planted and maintained 1,100 trees on the newly constructed roads. It also added the following four new sites during the year, (1) Recreation Ground at Plot 'C' Bhulabhai Desai Road, (2) Recreation Ground near Sion General Hospital, (3) Playground at Sayani Road, and (4) Stable site at the junction of DeLisle Road and Arthur Road.

The clock tower and the trees in the garden were lavishly illuminated on the Republic Day, and band and music programmes were arranged. Gardens were kept open for 2 successive days till midnight.

The Vegetable, Fruit and Flower Show was arranged through the Agri Horticultural Society of Western India, Poona, which attracted about 50,000 visitors.

There were 18 band programmes, 28 programmes of Indian vocal music, 56 programmes of orchestra music and 424 programmes of recorded music at different gardens and bandstands.

Messrs. Nensley Brothers who are allowed to run an Amusement Park in the premises of Victoria Gardens, have agreed to pay to the Corporation a share on percentage basis as approved under Corporation Resolution Nos. 184 and 664 dated the 6th May and 27th September 1954, respectively.

Botanical specimens were supplied to educational institutions as usual.

The live stock in the Zoo decreased by 3.8 per cent. Breeding of animals, birds and reptiles is gradually increasing. 5 specimens of Lion cubs, 1 Tigress, 2 Chimpanzees, 2 Gelada Baboons, 1 Small Riding Pony for children, 3 King Hornbills and 2 Crowned Cranes were procured.

The expenditure of the Garden department during the year under reference was Rs. 5,45,320-5-0 as against Rs. 5,19,523-6-0 last year and the income was Rs. 38,052-4-3 as against Rs. 38,100-6-9 during the preceding year.

## XII.—VICTORIA AND ALBERT MUSEUM

The museum remained open for 302 days as against 305 days during the previous year. 11.7 lakhs visitors visited the museum as against 10.3 lakhs during the previous year. 12,606 students of Primary and Secondary Schools visited the museum during the year as against 14,077 during the preceding year. Total collections from admission fees sale of publications and auctioning of articles were Rs. 8,825-10-0, Rs. 200 and Rs. 1,968-7-0 respectively. Following additions were made to the museum during the year:— A Civic Sense Gallery, two models showing the development of Dadar Matunga Estate and Belasis Road Chawls with the help of showcases and models from the Propaganda Officer and the Estate Agent and Land Manager, Bombay Municipal Corporation. One model of corals was renovated and entirely laid out. Bases of four showcases were newly designed and fitted. 17 books at Rs. 197-12-0 were added to the Museum Reference Library and one was received free of cost. A set of three volumes of the Chester Beatty Collection was added at a cost of Rs. 493-2-0. Reference service was rendered to about 300 persons. Expenditure incurred on the maintenance of the museum was Rs. 38,500.

## XIII.—MUNICIPAL LIBRARIES

586 and 218 books costing about Rs. 1,941 and Rs. 574 were purchased for Municipal Libraries in City and Suburbs respectively during the year under report with the help of the book selection Committee.

About 2,32,506 and 41,302 visitors took advantage of the libraries in City and Suburbs respectively during the year.

Total income derived from City Libraries and Suburban Libraries was about Rs. 1,211 and Rs. 683 respectively.

The expenditure over the Municipal Libraries in City was Rs. 49,886 as against about Rs. 46,120 during the previous year while the expenditure on Suburban Libraries during the year under report was about Rs. 5,033.

## XIV.—CENTRAL STORES

136 tenders were invited for the purchase of stores during the year under report. About 17,375 tons of cement worth about Rs. 18.93 lakhs; 1,38,504 R. ft. Black and Galvanized Iron pipes worth about Rs. 1.23 lakhs; 1,62,298 R. ft. Cast Iron and Hume Pipes worth about Rs. 12.35 lakhs; 2,233 tons of Iron materials worth about Rs. 11.26 lakhs; 1,39,812 yards of cloth worth about Rs. 0.87 lakhs were purchased. About 4,957 Bengal Maunds of Grain (Grams, Bajri and Wheat Bran) for Head Supervisor and the Superintendent of Gardens, worth about Rs. 49,606-2-0 and about 4,651 Bengal Maunds of Wheat and Rice for various Hospitals and Maternity Homes worth about Rs. 83,927-3-4 were also purchased.

The total purchase effected during the year including the articles received on Return Stores Mema from Municipal Departments amounted to about Rs. 65.69 lakhs, as against Rs. 58.87 lakhs in the preceding year. The increase was due to the higher demand for the supply of materials. The balance of stock on hand on 31st March 1955, was worth Rs. 29.34 lakhs.

The total number of orders placed with the contractors and other dealers was 3,855. The number of indents, inclusive of sales mema received from the departments was 42,268.

Most of the articles purchased during the year were of Indian manufacture and the value thereof amounted to Rs. 62.45 lakhs. The value of foreign goods purchased amounted to Rs. 3.24 lakhs. During the year no dust bins were issued to the public as in the previous years.

The total turn-over of the department, *viz.* Receipts and Issues of stores came to Rs. 138.78 lakhs.

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 1955-1956 invited during the months of November 1954 to February 1955 were in some cases higher than the market rates and only a few of the tenders had to be rejected.

This department, however, successfully played its role of a major supplying agency to the various Municipal Departments.

## XV.—LICENCES

The number of permits and licences issued during the year was 36,721 as against 33,973 during the previous year. These permits and licences realised Rs. 9.99 lacs as fees, as against Rs. 10.20 lacs in the previous year. 1,663 notices of demand were outstanding at the end of the year and the fees therefrom amounted to Rs. 97,896. The corresponding figures for the previous year were 1,558 notices and Rs. 75,780 respectively. This year the loss of revenue incidental to disuse or demolition of old licensed places amounted to Rs. 0.40 lacs as against Rs. 0.45 lacs in the previous year.

The total number of permits issued for exhibiting Sky-Signs and Advertisements was 3,645 which realised Rs. 4.15 lacs. as revenue while the corresponding figures for the previous year were 3,592 and Rs. 4,79,980 respectively.

The total number of hawkers and squatters Licences issued during the year was 26,202 as against 30,392 issued during the previous year. The fees realised were Rs. 4.30 lacs as against Rs. 3.75 lacs for the previous year.

During the year, the Licence Department instituted 6,693 prosecutions, for offences under Sections 328, 328-A, 394 and 412-A of the Bombay Municipal Corporation Act, as against 4,015 prosecutions in the previous year. The total amount of fines inflicted was Rs. 19,502 as against Rs. 40,730 of the previous year.

## XVI.—SHOPS AND ESTABLISHMENTS

*Registration*—The total number of establishments as on 31st March, 1955 stood at 86,203 as against 82,414 on 31st March, 1954. The Registration fees, etc., for the year under report amounted to Rs. 13,963 as against Rs. 13,501-2-0 for the preceding year.

*Inspections and Prosecutions*—During the year under report, 60,108 visits were paid to the various establishments and 2,177 complaints were received, besides 232 which were pending during the previous year. Investigations in respect of 2,387 complaints were carried out. With a view to enforcing the provisions of the Act more effectively, 367 mass raids were held. Of the 478 prosecutions pending at the close of the previous year and 3,796 launched during the year under report, 3,566 were decided, resulting in the realization of fine amounting to Rs. 1,17,518.

*Grant-in-aid*—The grant-in-aid received from Government for the year 1953-54 was Rs. 1,27,481, while the sum of Rs. 13,501-2-0 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 1953-54 was Rs. 2,76,948.

## Theatre Tax

The Corporation sanctioned the levy of the Theatre Tax at the same rates as for the previous year. A rebate of 12½ per cent. and 20 per cent. was allowed during the year under report for class I and Class II cinema theatres, subject to their paying the Tax in advance for the full month, within the first five days of the month.

There were in all 25 class I and 31 class II cinema theatres in the City. Reclassification of four cinema theatres from class II to Class I resulted in an increase of Theatre Tax by Rs. 14,200. Theatre Tax was also levied in respect of Dramas, Dances and Variety Entertainment Programmes etc., held in the City, wherever admission was on payment. Exemption from payment of the tax was granted to performances, which besides being exempted from payment of Entertainment Duty by the Commissioner of Police, were held in aid of charities or for the benefit of cultural and educational progress.

The total income realised by way of Theatre Tax during the year 1954-55 was Rs. 5,39,360 and the expenditure incurred was Rs. 16,305.

## XVII.—MARKETS AND SLAUGHTER HOUSES

The revenue from the Markets and Slaughter Houses was Rs. 37 lakhs there was increase in receipts from stallage charges, Squatters fees and Arthur Crawford Scale-Shed fees.

The number of Municipal Markets in the year was 21 (i.e., same as in the preceding year) including 2 Squatters Areas at Nowroji Hill Road and Parel Village as also plantain Market at Byculla recently taken over from the Ex-Lessee. The total receipts from stallage charges squatters fees, scale Shed fees and Licence fee, etc., amounted to Rs. 26,01 Lakhs while the net receipt amounted to Rs. 18.61 Lakhs.

The average percentage of vacant stalls per squarter was 7.86 as against 7.51, 7.07 and 6.0 respectively in the preceding three years.

The number of Private Markets during the year was 21 and that of Private Slaughter Houses 1. The licence fee realised from them was Rs. 76,242-4-0. The licence fee in respect of two Private Markets remained to be realized as the matter was still under negotiation. A Private Market at Grant Road was closed down during this year.

The number of Outside Meat Shops during the year under report was 189 as against 188 in the preceding year and the total fee realised from these shops amounted to Rs. 14,244.

The total quantity of unwholesome articles of food such as Meat, Fish Fruits, Vegetables, etc., and the contraband meat seized and destroyed was 4,36,569 Lbs. In all 626 seizures were effected for contraband meat and 528 prosecutions instituted resulting in conviction of 250 persons and recovery of fine amounted to Rs. 5,361. The amount realised by selling the seized animals by auction was Rs. 3,324. Besides this over Rs. 2,330 were recovered by way of penalty for importing animals into the City without requisite permits.

The slaughter, removal and other fees realised at the Bandra Slaughter Houses together with the Slaughter fees, etc., at the DeLisle Road Sheep Market and Pig Slaughter House amounted to Rs. 9.70 Lakhs.

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

The K. E. M. Hospital has an accommodation of 550 beds and the Hospital had to work far in excess of its capacity throughout the year. During the year extension of the Mental Observation ward was completed. The work of installing a lift in the outdoor was undertaken.

The total number of inpatients admitted during the year 1954 was 20,895 as against 19,257 and 19,674 during the previous two years. Out of 21,561 inpatients, including 666 of the previous year, 6,734 were cured, 8,101 were relieved, 4,258 either left the Hospital against medical advice or were otherwise discharged and 1,780 died (excluding 2 still born) leaving a balance of 688 at the end of the year.

The maximum number of inpatients on a single day was 740 and the daily average worked out to 692.68. The average number of each patient was resident was 11.71 as against 12.03 in the previous year. The total number of 1,82,265 new outpatients treated during the year as against 1,75,995 showed an increase of 6,270 patients. The total outpatients attendance including casualty patients, during the year was 6,37,637 as against 5,79,505 which gave a daily average of 2,145 as against 1,955 in the previous year. The highest outpatients attendance on one day was 3,016 as against 2,571 in the previous year, while the corresponding figures for new outpatients, indoor admissions and casualty cases was 799, 95 and 190 respectively. During the year 9,734 operations were performed on indoor patients and 26,578 on outdoor patients as against 8,186 and 20,339 respectively during the last year.

The average cost per inpatient per day was Rs. 8-8-2 as against Rs. 8-12-6 and Rs. 8-15-11 during the previous two years. Similarly, the average cost per inpatient admission, was Rs. 102-10-10 as against Rs. 108-0-4 and Rs. 102-1-2 during the previous two years.

An amount of Rs. 41,907-10-6 as against Rs. 33,734-11-0 of the previous year was spent for affording relief to poor patients out of the Poor Box Charity Fund on expensive drugs, injections, blood transfusions etc., and Rs. 3,008-2-0 for appliances. This amount was not taken into account while working out the average cost of patients. The Fund continued to give relief and comforts to deserving patients which ordinarily could not be given out of the Municipal Fund. The total amount spent out of this Fund came to Rs. 41,907-10-6 while contributions during the year by way of collections from the outpatients and wards boxes and donations etc., amounted to Rs. 36,810-13-0.

The Blood Bank worked satisfactorily. Blood transfusions were given to 1,792 cases for which a sum of Rs. 14,933-5-6 was paid out of the Poor Box Charity Fund for the donors.

Out of the nurses trained, 32 and 29 nurses passed in Junior and Senior examinations respectively held by the Bombay Nurses, Midwives and Health Visitors Council. Six nurses have passed the examination with higher marks and prizes were awarded to them.

The Nurses Welfare Fund continued to provide amenities for recreation etc., to the Nursing staff by arranging dramas, dances etc.

The School Clinic at the Hospital treated in different departments, 7,963 children as against 7,933 in the previous years. The total cost of the Clinic was Rs. 15,735 as against Rs. 16,400 in the previous year.

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

The Physiotherapy Centre was working quite satisfactorily. Eight students of the first training course passed their final examination from the Physical Therapy Training School. One student was selected for W. H. O. Fellowship for training in U. K. During the year 1954-55, there were 21 students under training.

Similarly the Occupational Therapy Centre and School continued to function and do very useful work in the field of rehabilitating the crippled patients.

This year a new Department, *viz.*, Medico Social Service Department was started from September 1954 with the appointment of two trained social workers. This Department being an integral part of medical care arrangement at this Hospital was under the supervision of the Asstt. Medical Officer (Senior) and helped in finding out the social, economic and environmental factors associated with the onset of diseases. The Department is working quite satisfactorily.

The Ambulance service was continued during the year and rendered very useful service to the patients.

Dr. Jivraj N. Mehta Pharmacological Laboratory attached to the Hospital manufactured many injectables and carried on analytical work during the year. But for this Laboratory, several injectables would have had to be purchased from the market at high cost. As a result of the manufacture of these injectables in the Laboratory savings of approximate Rs. 44,670 was effected.

The Hospital and College Employees Co-operative Credit Society carried on its work satisfactorily.

### SETH G. S. MEDICAL COLLEGE

Of the 85 fresh admissions in the College in June 1954, all were single. Of the 666 students on the roll at the close of the year, 133 were lady students and 171 post-graduate and research students as against 135 and 146, respectively, at the end of the previous year, when the total was 635. Out of 593 students sent up for various examinations 355 passed the whole examination against the corresponding figures of 492 and 288 of the previous year.

Expenditure of Rs. 5.03 lacs (including payment of dearness allowance of Rs. 0.85 lac) as against Rs. 5.06 and Rs. 4.83 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. 1.77 lacs as against Rs. 1.90 lacs and Rs. 1.78 lacs in the previous two years, respectively. The gross cost and the net cost per student worked out at Rs. 1015.8 and Rs. 658.2, respectively, as against Rs. 1034.4 and Rs. 644.8 in the previous year. The amount of fees received from the post-graduate students was Rs. 23,870 as against Rs. 23,770 and Rs. 22,110 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. 21,324 and Rs. 35,043 respectively, as against Rs. 24,814 and Rs. 25,873 in the previous year.

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

1. The number of beds available for men, women and children remained 330 during the year. The total number of inpatients admitted during the year was, 12,767. Out of the total number of 13,104 in-patients including the balance of 337 patients of the previous year, 7,991 were cured, 2,197 were relieved, 1,772 either left the hospital against medical advice or were otherwise discharged and 797 died, leaving a balance of 347 patients at the end of the year. The maximum number of in-patients on any single day was 394 and the daily average worked out to 348.13. The average number of days each patient was resident was 9.69. The average cost per in-patient per day was Rs. 7-8-9.



2. The total number of out-patients' attendance excluding casualty patients during the year was 2,63,107, which gave a daily average of 882.38. The highest number of out-patients' attendance on any one day was 1,394.

3. The total number of operations on in-patients and out-patients performed during the year was 4,849 and 4,820 respectively as against 4,501 and 4,235 in the previous year.

4. The Poor Patients' Fund continued to provide deserving patients with such needy relief which could not ordinarily be given out of the Municipal Funds. The total amount of collection was Rs. 25,827-3-6 out of which the amount spent was Rs. 10,703-13-9 while contribution during the year by way of collection from out-patients and Ward Boxes amounted to Rs. 15,088-1-6.

### TOPIWALA NATIONAL MEDICAL COLLEGE

1. The College had 373 undergraduate students on the roll at the close of the year out of whom 63 were lady students. Besides, there were 56 post-graduate students including 8 post-graduate lady students. 60 students were admitted in June 1954 including 14 lady students. In addition to this, 5 students were admitted for Condensed M.B.B.S. Course. Out of 389 students sent up for various examinations 228 passed during the year.

2. A total expenditure of Rs. 3.58 lacs was incurred during the year under report. The total income received on account of fees etc., from the students amounted to Rs. 1.23 lacs. A sum of Rs. 2,01,704 was received from the Government as Grant-in-Aid for the year 1952-53.

3. A new department—Preventive and Social Medicine was sanctioned by the Corporation during the year. Efforts are being made to get an expert through Central Government from World Health Organization, for the post of Prof. of Preventive and Social Medicine.

4. The total number of male students residing in the hostel was 62. 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 attached to this College.

### XX—THE NAIR HOSPITAL DENTAL COLLEGE, BOMBAY 8.

The College has 87 dental chairs, 4 well equipped laboratories, 2 Dental X-Ray Units, 1 Micro-Surgical Unit, 1 Nitrous Oxide apparatus, 6 Microscopes, 1 Cinema Projector, 1 Epidioscope, 1 Infra-red and 1 Ultra violet lamp and other equipment to give dental treatment on modern lines and also provide facilities for teaching dentistry. There were 137 students including 19 lady students on the roll. 22 students including 3 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 64,154 patients were treated as against 62,283 in the preceding year. The total expenditure incurred was Rs. 1,16,637 and the total revenue by way of fees from students and patients was Rs. 78,824.

The College has an Academic Council to look after the Academic affairs. There is also an Advisory Dental 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.

### XXI—MUNICIPAL GENERAL HOSPITAL, SION AND ANNAPURNABAI DESHMUKH HOSPITAL FOR WOMEN .

During the year under report, bed accommodation in the hospital was 300. The total number of patients admitted during the year was 15,528. The highest number of in-patients on a single day was 426 and the daily average number of in-patients was 372.2. Average number of days each patient was resident was 8.7 days.

The total number of in-patients treated was 15,528 including 309 of the previous year's balance. The number of Maternity and Gynaec cases were 6,068. The total number of operations performed on in-patients was 4,518. The average cost per in-patient on diet per day was Re. 0-14-6 as against Re. 0-15-5 in the previous year.

The total number of new out-patients was 77,718 with a daily average of 249.8. The highest number of out-patients attendance on a single day was 2,452. The number of operations performed on out-patients was 7,489.

**Paying Patients.**—The number of paying patients admitted during the year under report was 1,413. The number of operations performed on the paying patients was :—

	Nos.
Major Operations	... 175
Minor Operations	... 298

The amount in the Poor Box Fund as on 31st March 1954 stood at Rs. 74,803-8-9. Collections from the Poor Boxes, donations, sales of drugs and injections and other miscellaneous receipts during the year amounted to Rs. 34,686-7-3 and expenditure to Rs. 24,540-15-6. The amount in the Poor Box Fund as on 31st March 1955 stood at Rs. 84,949-0-3.

The M. G. Hospital, Sion, is affiliated to the University of Bombay and to the College of Physicians and Surgeons of Bombay, for post-graduate as well as under-graduate teaching. This hospital has been attached to the Topiwala National Medical College for clinical instructions to the under-graduate students.

## XXII—GROUP OF TUBERCULOSIS HOSPITALS, SEWRI

The total number of beds in the Group of T. B. Hospitals was 348 (183 for males and 165 for females).

3 more medical units and 2 more surgical units were created during the year. Thus in all 5 medical units and 4 surgical units were working at the close of the year. 9 new posts of Clinical Assistants without honorarium were also created so as to train young and suitable medical men in the speciality of tuberculosis. The total number of patients in various stages of Pulmonary tuberculosis treated during the year was 2,610 (including 326 of the previous year). The largest number of admissions was from the age-groups between 20 and 30 years. The total number of surgical operations performed on patients was 541.

The follow-up of discharged patients and giving A. P. & P. P. refills to them were continued as before. The total number of A. P. & P. P. refills given in the follow-up department during the year were 1,488 and 23,018 respectively. A. P. & P. P. work was done in the wards also and 72 Primary A. Ps. and 833 Primary P. Ps. were induced. There were 1001 new admissions to the out-door A. P. & P. P. Department during the year against 825 during the previous year.

The total expenditure incurred during the year was 7.84 lacs approximately as against 8.08 lacs during the previous year.

The Poor Box Collections including fees for the issue of medical certificates amounted to Rs. 6,442-8-0 and a sum of Rs. 2,434-5-9 was spent on medicines, in-patients, blood-transfusion etc. to the poor and deserving patients. A regular monthly donation of Rs. 100 from the British India Steam Navigation Co. Ltd. was continued during the year and was accepted with thanks.

## T. B. CLINICS

There were 3 T. B. Clinics for out-door patients at Princess Street, Foras Road and Lalbaug. The patients from the Municipal T. B. Clinics at Lalbaug were referred either to the Princess Street T. B. Clinic or to the Foras Road T. B. Clinic for screening. The total number of new patients who attended the three clinics were 45,669 of whom 15,100 were detected to be suffering from Pulmonary tuberculosis. 28,993 old cases also regularly attended the Clinic for treatment.

The Clinics at Princess Street and Foras Road also did A. P. & P. P. work. The total number of A. P. & P. P. refills given to patients at these Clinics were 12,906. 8,592 domiciliary visits were made by the Health Visitors attached to the Clinics.

## XXIII.—EDUCATIONAL

At the close of the year, there were 1,96,862 pupils in 447 schools and 64 classes in Greater Bombay, the number in the City being 1,63,718 pupils in 351 schools and 40 Classes and that in the Suburbs being 33,144 pupils in 96 schools and 24 Classes. The corresponding figures for the previous year were 1,81,927 pupils in 443 schools and 53 Classes comprising of 1,54,293 pupils in 350 schools and 34 classes in the City and 27,634 pupils in 93 schools and 19 classes in the Suburbs. There was thus a net increase of 14,935 pupils in Municipal schools during the year. The highest number on rolls during the year was 2,09,078 at the end of September 1954. The number, however, fell to 1,96,862 at the end of March 1955 mainly due to restriction on fresh admissions after 15th September and also due to the indifference of parents on account of economic conditions to continuously sending their children to schools. Three Primary schools under private management were taken over by the Corporation during the year under report. With a view to providing facilities for Upper Primary Education in almost all the localities in Greater Bombay, higher standards, viz., V, VI and VII were opened in 46 schools—32 in City and 14 in Suburbs—to cater to local needs. The number of Upper Primary and Lower Primary schools and Classes was 208 and 293 respectively during the year. The scheme of amalgamation of schools and co-education introduced in 1949 continued to work well.

The total number of teachers in Municipal schools in Greater Bombay at the end of the year was 5,289 inclusive of 249 Special teachers. Out of the 5,040 ordinary teachers, 4,387, i.e., 87 per cent. were trained. The Class Room Formula of assessing the requirements of teachers on the basis of the number of Class-rooms in use including the rooms used twice in Double Session schools, which was provisionally approved by the Education Committee as an experimental measure last year continued to be followed during the year under report.

The Education Officer and the Supervising Officers paid frequent visits to schools for the purpose of effective supervision, guidance and inquiry. At the suggestion of Shri H. D. Gaonkar, Chairman of the Education Committee, a novel scheme for the improvement of a group of schools was introduced on an experimental basis during the year. The scheme covered 8 schools with 5,397 pupils and 117 teachers in the Worli area and envisaged an overall improvement of the pupils and teachers concerned. The scheme was implemented by the Education Officer through an Inspector guided by a General Committee and assisted by a Consultative Committee of the Head-teachers of the schools concerned. Regular guidance was given under the scheme to teachers of low efficiency by planning model lessons etc., whereas the pupils were catagorised on the basis of scholastic tests and special guidance was given to all pupils below normal. Special activities, e.g., Perfect System, Co-operative Stores, Debating Societies, Scouting, etc., were introduced in all the schools in the group. The implementation of the scheme kept the schools in creative activity throughout the year and the concentrated attention paid to their organization, staffing, etc., setting aside usual rules, resulted in a marked improvement of the schools.

The syllabus of studies was divided up month by month for guidance of the teachers and for facilitating the gradual completion of the studies in time as per schedule. Teaching aids including special aid prepared by the teachers were utilised for making instruction easy and interesting. Hindi was taught in upper primary classes. Weekly list for pupils of Std. I to III. and Monthly Tests for Stds. IV to VII were introduced and pupils of Stds. I to III were promoted to higher standards on the basis of the results of the weekly tests throughout the year. Annual examinations of pupils of Stds. IV to VII were conducted in March-April 1955 by a Central Board of Examiners including the representatives of the Municipal Teachers' and Head-teachers' Federations. Out of the total of 1,95,235 pupils from Stds. I to VII 1,43,370 pupils were promoted to higher standards giving a percentage of 73. The result of the Municipal school pupils at the Primary School Certificate Examination conducted by the Government in April 1955 was 46 per cent. The result of the pupils of Municipal Vocational Schools at the Government Carpentry and Tailoring Examinations was 41 and 67 per cent. respectively.

Some of the main factors that, *inter alia*, hampered the progress of pupils in Municipal schools were (i) largeness of certain classes, (ii) lack of suitable school buildings, (iii) inadequate facilities to pupils to study at home and (iv) economic conditions of parents causing irregular attendance and big absence of pupils. The first two factors pivot on the primary problem of the necessity of adequate accommodation and the situation will improve with the progress of the programme of construction of new school buildings that has been undertaken by the Department whereas the last two evils will get eradicated with the increasing welfare of the people in general.

Text Books as directed under Government Resolution, Education Department No. TBK. 1051 of 11th January 1952 were continued to be used in Municipal schools during the year under report together with additional Books on drawing, etc. approved by the Education Committee.

4. Text-Books.

With a view to providing facilities to Municipal teachers for undergoing training in the changing methods and practices of teaching, three Refresher Classes for teachers of Municipal Marathi, Gujarati and Urdu Schools were conducted during the year. The Classes were organised by the Inspecting Officers of the sides concerned with the help of competent teachers and the pupil-teachers were paid the actual travelling expenses for attending the Classes. Untrained teachers below 50 years of age in need of such training were mostly selected for attending the classes and in all 112 teachers received the benefit of the Classes.

5. Refresher Classes for Municipal Teachers.

There were 78 women trainees receiving instruction in the R. C. Urdu Training Institute for lady teachers during the year under report. 38 of these were in the I Year and 32 in the II Year Classes. 37 trainees of the I Year Class were promoted to the II Year Class at the end of the year and out of the 32 trainees of the II Year Classes 15, i.e., 46 per cent. were successful at the Primary Teachers' Certificate Examination.

6. R.C. Urdu Training Institute.

Fees were continued to be charged at the rate of Rs. 2, Rs. 2-4-0 and Rs. 2-8-0 for Stds. V, VI and VII in Municipal Schools lower standards being entirely free. All scheduled and other Backward Class pupils however continued to receive free education in Municipal Upper Primary schools. Wards of Municipal employees drawing a salary up to Rs. 240 per month also continued to be exempted from payment of fees and freeships and half-freeships were granted to the extent of 40 per cent. to poor and deserving pupils.

7. Fees and Freeships.

Progress towards the replacement of old type of furniture and the adequate supply of equipment of teaching aids and materials continued as usual during the year under report. Steel cupboards were supplied to a number of schools besides other furniture articles and school equipment worth about Rs. 84,800 was ordered out.

8. Equipment and Furniture.

The total number of Municipal-owned school buildings stood at 65—31 in the City and 34 in the Suburbs—at the end of the year. The new school building at Suparibaug Road which was under construction last year was completed and brought into use during the year. One structure belonging to a private primary school in the Suburbs was taken over by the Corporation during the year along with the pupils. Additional floors or extensions were constructed in two buildings—one in the City and another in the Suburbs. Works of extension of two buildings in the Suburbs was nearing completion. The number of pupils housed in Municipal-owned buildings increased to about 40,000 during the year. Unsatisfactory conditions in rented buildings, and necessity of providing accommodation to the increasing number of children has been a long standing problem facing the department. Alive to this, a steady and planned progress towards the construction of new school buildings, extension of the existing ones and acquisition of private plots is, however, being made in spite of financial handicaps.

9. School Buildings.

The number of Aided Schools in the City and Suburbs at the end of the year was 227 and 62 respectively. These 289 aided schools with 2,615 teachers in them imparted instruction to 37,345 pupils. The corresponding figures for the preceeding year were 291 aided schools, 2862 teachers and 73,771 pupils. The decrease in the numbers was mainly due to the taking over of 3 Aided schools and a branch school under Municipal management during the year. The total amount of grants recommended for payment to the aided schools during the year was Rs. 4,80,948—Rs. 3,69,918 for the City Schools and Rs. 1,11,030 for the Suburban schools. The grants were recommended by applying varying cuts to the assessed grants taking into consideration the income and other sources of the institutions. The total expenditure incurred by the City Aided schools was Rs. 37,90,026 and that by Suburban Aided schools 9,00,895. The average cost per pupil calculated on the total number of pupils in the Aided schools worked out to 71.5 in the City and Rs. 65.7 in the Suburbs. The average cost per pupil to the Corporation by way of grants was Rs. 7.5.

10. Municipal Aided and Recognised Schools.

As per directions of the Government issued in June 1954 the Municipal Corporation stated recognising aided Stds. I to IV only of the English Teaching schools and the Education Committee, therefore, withdrew the registration and recognition in case of

these schools in respect of Stds. V and VI from April 1954. The Director of Education however later on in March 1955 directed that English teaching schools up to Std. V to VII should be granted and paid the grants and the matter was still under consideration.

Besides the aided schools there were 43 recognised schools—34 in the City and 9 in the Suburbs with 382 teachers imparting education to 8,452 pupils.

The work of enforcement of compulsion was continued to be looked after by a skeleton staff of two officers. In pursuance of the policy of disbandment of the Attendance Department, one of the two officers was absorbed as a Supervisor of Municipal schools from June 1954.

**11. Free and Compulsory Education.** As required under Rule 5 of the Rules framed under Section 18 of the City of Bombay Primary Education Act of 1920, a census of non-attending children of school-going age was taken from 4th January to 3rd February 1955. The census revealed 33,500 non-attending children of school-going age (i.e., between 6 and 11 years) and 12,623 children below 6 years of age. These non-attending children were advised to join schools in June 1955 when the new academic year would begin. The number of children of compulsory age attending the Municipal schools increased from 1,18,416 to 1,23,854 during the year under report.

**12. Physical Education.** Physical Education based on the curriculum laid down by Government continued to be imparted to in Municipal schools. Out of a total of 1,96,862 pupils, 1,88,987 received physical education, pupils in higher standards of Vocational schools being exempted from physical instruction. For imparting training in Physical Instruction to Municipal teachers, a short term course in physical instruction was conducted at three centres outside school hours. The course comprised of one hour's instruction daily for 52 days and concluded with a written and practical examination. In all, 105 out of the 107 Municipal teachers who were admitted for the course completed their training successfully. Annual sports competitions of Municipal pupils were held in November 1954 at 4 Centres in the City and 2 in Suburbs, and the prize Distribution was held on 29th January 1955 at Gilder Tank Maidan under the Presidentship of Shri Mangaldas Pakvasa, the then Governor of Bombay. Four Mass Drill Displays—two by children of City Schools and two by those of Suburban Schools—were held during the year in December 1955 in which about 10,000 children from 126 schools participated.

**13. Scout Movement.** The number of Scout Troops and Cub-Packs at the end of the year were 116 and 59 with 2,706 scouts and 1,220 cubs respectively. The number of Girl Guide Companies and Flocks was 72 and 157 with 1946 Guides and 3,896 Bulbuls respectively. The Annual Rally of Boy and Girl Scouts was held on 25th February 1955 under the Presidentship of Shri Dinkarrao N. Desai, Minister of Education & Law, Government of Bombay. Smt. Desai gave away the prizes and cups to the winners of the Annual Sports Competitions which were held in January 1955. The proposal to have a separate Divisional Organization of the Municipal Scouts and Guides with a view to effectively dealing with the varied problems of Municipal Scouts was pursued and the necessary constitution and Bye-laws, etc., were submitted to the National Head Quarters, Bharat Scouts and Guides and the same were under consideration of the National Headquarters.

**14. Finance.** The Budget Estimates for the year 1954-55 presented by the Municipal Commissioner to the Education Committee showed the income at Rs. 1,50,79,000 showing an increase of Rs. 5,11,000 over the budget estimates of the previous year mainly due to an estimated rise in receipts from General Tax. The expenditure for 1954-55 was estimated at Rs. 1,52,13,000. Though the budget estimates showed a deficit the same was proposed to be met from an opening balance of Rs. 4,50,000. The Budget for 1954-55 made provision for setting up a Research Unit for studying problems of the Municipal Education system. The provision for payment of grants to private primary schools was also slightly increased. The budget estimates were adopted by the Education Committee with some minor modifications. The Government grant to the Corporation towards the cost of Primary Education amounted to Rs. 30,59,500 including an amount of Rs. 5,50,000 for the Suburban schools. The total expenditure for the year was Rs. 1,38,16,321-6-9 (Rs. 1,18,36,430-13-0 for City Section and Rs. 19,79,890-9-9 for the Suburban Section). The average cost per pupil calculated on the number of pupils on rolls was Rs. 71.7 for the City Schools as against Rs. 73 of the previous year and Rs. 56.2 for the Suburban Schools as against Rs. 59.3 of the previous year.

**15. General.** (a) *Amalgamation of the City and Suburban Offices.*—At the initial stage after the merger of Suburban area with city in 1950, a separate Suburban Office of the Primary Education Department was established at Andheri with the Superintendent, Gujarati and Aided Schools as in-charge of the Suburban Schools and Office. However, with a view to managing the administration

of Suburban schools more expeditiously and economically, the Suburban Office was amalgamated with the City office from 1st May 1954 and the Suburban schools were given in-charge of the Superintendents of City Schools as per languages. The integration resulted in a net immediate annual saving of Rs. 23,600 due to the abolition of certain ministerial and other posts.

(b) *School Health Service*.—The School Health Service under the Executive Health Officer of the Corporation for the benefit of Municipal Primary Schools continued to operate as usual. In all, about 43,000 pupils were examined during the year out of whom 35,227 were found to suffer from one defect or other. On the guardians' consent about 8,000 pupils were treated either at the Municipal Dispensaries or the school clinic at K. E. M. Hospital. The accommodation for treatment was, however, found to be inadequate. Pupils with communicable diseases were promptly detected and prevented from attending the schools during the period of infectivity. Health Talks on simple and personal Hygiene were given to the children in the Municipal schools by school Medical Officers and School Health Nurses. In all, about 36,000 undernourished children in the City schools and 8,800 children in the Suburban schools were supplied with 8 ozs. of pasteurised milk each on every working day during the year. A scheme of supplementing the free supply of milk with light snacks and supplementary food sanctioned by the Corporation last year was implemented from October 1954 in some City schools. Under the scheme, snacks in the form of 1 oz. of chikki for 4 days and fruits, e.g., chikku or oranges for the remaining two days were given to the undernourished children in some of the City Schools along with the milk.

(c) *Municipal Teachers' Library*.—At the end of the previous year, there were 18,046 books in Marathi, Gujarati, Hindi, Urdu, English, Tamil and Telugu in the Library. 436 new books were added where as 393 worn out and unserviceable books had to be written off from the stock, during the year. Thus the Library had 18,089 books at the end of the year. Lists of additions of new books continued to be circulated to all Municipal schools with a view to keeping the readers informed of new additions and 181 new members were enrolled during the year.

(d) *Donations*.—Thirty silver shields received from the Mayor and Municipal Councillors together with other shields received during previous years were awarded to the best and cleanest schools of the year in the different Municipal Wards.

(e) *Extra-curricular activities*.—Various extra curricular activities were carried on as usual during the year under report. Vacation Libraries were run at 24 centres—18 in the City and 6 in the Suburbs—during the Summer Vacation of 1954. Educational Film shows on different educational and general topics were shown to the pupils and teachers of Municipal schools. Sharad Utsav and Independence Day and Republic Day were celebrated with special enthusiasm this year. About 55,000 children of Municipal schools participated in the Children's Rally organised on the 7th October 1954 in honour of Shri Jawaharlal Nehru, Prime Minister of India. The first Social Gathering of all the employees of the Primary Education Department was also held under the Presidentship of Shri P. R. Nayak, Municipal Commissioner for Greater Bombay on 24th April 1954.

Meetings of the Supervising Officers of the Department continued to be held regularly during the year under the Chairmanship of the Education Officer for discussing improvements in Municipal schools, day-to-day problems, and for evolving common rules and procedures. The Education Officer also granted periodical interviews to the representatives of Municipal Teachers' and Peons' Associations with a view to acquainting with the problems and difficulties of the employees and redressing them wherever possible.

#### 16. Staff Meetings.

### XIV.—PUBLIC HEALTH DEPARTMENT

**Outstanding activities of the year.**—(1) An epidemic of small-pox was declared in the middle of March 1954. Intensive vaccination campaigns were carried out and 72,941 primary and 16,05,135 re-vaccinations were done with the result that the epidemic subsided in the first week of May 1954. Additional vaccinators and other staff were appointed and the sanitary and other medical staff was also pooled for carrying out the vaccination work. Small-pox caused 1,816 attacks (including 60 imported) out of which 623 proved fatal during the year.

(2) The incidence of poliomyelitis was on increase during the monsoon season. 207 cases were notified (including 41 imported) out of which 37 proved fatal. The incidence was much lower as compared with that in the year 1949, when 389 attacks were reported of which 65 proved fatal.

**Area and population.**—According to the census of 1951, the population of the city was 23,29,020 on which the vital statistical rates in this report are based. The mid-year estimation of population was calculated to be 26,09,000. The area of the city is 26.189 square miles (16,751.42 acres) with the population density of 139 per acre.

**Birth and death registration.**—63,072 live-births and 32,008 deaths were registered during the year. The rates of births and deaths per 1,000 of the census population were 27.1 and 13.7 respectively and they were 24.2 and 12.3 per 1,000 of the mid-year estimated population. Still-births totalled 2,963 or 4.8 per cent. of live births.

**Infant mortality** numbered 8,534 which was 466 less than in the preceding year. The infantile death rate (per 1,000 live births registered) was 135.3. 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 101.8. Diseases of the respiratory system, infantile debility and premature births caused 6,554 or 76.8 per cent. of the infantile deaths.

**Maternal 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 and 10 subsidiary clinics. Each of the subsidiary clinics worked two days every week and the five main clinics worked thrice 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 43,253 visits in several districts and attended 45 confinements at homes during the year, while the medical officers personally visited 2,381 cases.

**The number of confinements** that took place in the 5 municipal maternity homes was 9,622.

**B.C.G. Vaccination** was given to 2,190 new-born babies at the 5 maternity homes.

**The maternal mortality rate** recorded during the year was 1.1 as against 1.3 in the previous year. Investigation into maternal mortality was completed during the year and the report is under consideration of the advisory board.

**Birth Spacing on medical grounds.**—The total attendance at the 17 family planning clinics was 6,782. 4,353 women were given advice and supplied with appliances.

**Infectious Diseases.**—During this year 14,549 cases of infectious diseases were reported as against 5,401 in the previous year. Plague was absent. Cholera caused 1 attack which recovered. Small-pox caused 1,816 attacks (including 60 imported cases and 623 deaths) and enteric fever caused 2,215 attacks (including 132 imported cases and 232 deaths) whilst diphtheria caused 2,333 attacks including 140 deaths.

**Immunization**—During the year 87 persons were inoculated against plague 18,268 against cholera and 2,23,903 against enteric fever. Primary vaccinations and re-vaccinations against small-pox done were 72,941 and 16,05,135 respectively, as against 61,006 and 5,37,630 respectively in the preceding year.

**Hospitalisation.**—The total number of patients admitted at the City Fever Hospital, Arthur Road, was 12,304, the daily average number of patients remaining under treatment being 453.

**Leprosy.**—The control of leprosy in the city is exercised through the Acworth Leprosy Home, Wadala. This also includes an out-patient clinic the cost of conducting 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 out-patient clinic was 251 and the number of new patients treated during the year was 6,038. 2,199 contacts were examined in their homes and 147 brought to the clinic for examination, 20 were discovered as leprosy patients by examination of contacts and 114 who had interrupted treatment at the clinic "were persuaded to resume treatment. In all 8,389 domiciliary visits ("first" 851 and subsequent" 7,538) were paid by the health visitors during the year. The medical assistants in charge of the municipal dispensaries also attempted detection of early cases of leprosy. They detected and treated 24 such cases. A leprosy clinic was started at dispensary at Worli.

**Malaria** was registered as the cause of 16 deaths as against 17 in the previous year, and the number of persons "treated for malaria" at the municipal dispensaries was 47 as against 67 in the preceding year.

**Tuberculosis** took a toll of 2,184 lives and the death rate for T.B. was 0.9.

**Venereal Disease.**—A total number of 18,281 venereal cases were treated (15,360 males and 2,921 females). During the year 20,565 persons attended for prophylactic treatment at the 8 municipal prophylaxis centres, the average daily attendance for treatment and prophylaxis being 695.3.

**Medical Relief.**—The number of new cases treated at the 24 dispensaries and one mobile unit was 3,36,519 as against 3,23,384 in the previous year. The total attendance numbered 15,05,316 as against 14,30,870 in the previous year. Dispensaries for women and children were conducted by three part-time lady doctors at 6 general dispensaries thrice a week. The number of new cases treated at these dispensaries was 7,432 as against 8,334 in the preceding year. The total attendance was 88,311.

The Bai Lingubai Eye Dispensary was conducted at Kamathipura along with the Bhoomaya 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 11,349. The number of in-patients treated was 234. The total attendance of patients was 83,113.

**Health Education and Propaganda.**—Health Exhibitions and health education film shows on various health subjects were arranged by the Publicity section. The propaganda van fitted with a public address system aided anti-cholera, anti-smallpox and anti-typhoid campaigns in various localities of the city and several thousand persons were inoculated or vaccinated on the spot. The section carried out health weeks, cleanliness campaigns and arranged a health stall in the civic exhibition. Posters, health charts, placards, etc., were prepared.

**Conservancy.**—The daily average in miles of roads and footpaths cleaned regularly throughout the day was 272.181 and 283.54 respectively. The total refuse collected and removed through the municipal agency was 7.98 lakhs tons.

Roads and footpaths and house-gullies were as usual swept and washed. An aggregate area of 52,40,148 square yds. of roads was swept, 20,110 tons of scrappings removed, 12,63,394 square yards of gullies flushed, 53,30,609 gallons of cess-pool contents were removed.

**Control of Rat Pest.**—The total number of rats caught and destroyed during the year was 9.39 lakhs as against 10.27 lakhs in the preceding year. No rat was found infected with plague.

**Control of Stray Dogs.**—During the year 11,774 stray dogs were caught as against 12,727 in the previous year. Out of these, 10,152 were destroyed, 1,009 were returned to their respective owners, 87 sent to the hospital for experimental purposes 181 escaped and 105 were detained in the kennel chamber at Mahalaxmi Refuse Siding. 13,262 dog bite cases were reported during the year.

**Dog Licensing.**—7,931 dogs were licensed under the Dog Licensing Act, as against 8,065 in the previous year. The total income by way of dog licensing fees, etc., amounted to Rs. 41,012-4-0 as against Rs. 43,643-8-0 in the previous year.

With a view to abating the nuisance caused by stray cattle in the city, the Police caught and impounded animals found tethered on the public streets and footpaths. The work of immunizing milch cattle against rinderpest was continued. The total number of inoculations done during the year was 24,379 as against 21,104 in the previous year. 60 cases of rinderpest were reported as against "nil" last year.

In addition to the above activities the conservancy branch rendered special conservancy and halalkhore services to various circuses, exhibitions, etc., for which an amount of Rs. 1,15,621-14-0 and Rs. 7,531 respectively were realised. The annual income derived by auction sale of certain health department rights amounted to Rs. 3,735.

**School Health Work.**—In all 43,026 children (23,582 boys and 19,444 girls) were medically examined. Of these, 35,227 were found defective with 76,688 defects, of which 28.18 per cent. were general debility, 24.88 per cent. dental, 13.29 per cent. throat, 11.64 per cent. enlarged lymphatic glands, 4.47 per cent. skin diseases, 3.64 per cent. eyes (external) and a small percentage of eyes (vision) nose, etc.



The number of cases of school children treated at the School Clinic at the K. E. M. Hospital was 1,065 along with 6,829 old cases.

Each municipal school was supplied with a first-aid out-fit. 79 poor pupil with errors of refraction were supplied with appropriate pairs of spectacles free of charge. Out of 56 pupils suspected to have leprosy, 9 positive cases were prevented from attending municipal schools. One was kept under observation and was allowed to attend the school. 2 cases left the school. 3 did not present themselves as directed. 38 cases were found negative and 3 cases were disallowed to attend the school as they failed to present themselves for bacteriological test. 492 children suffering from minor skin diseases such as scabies, ringworm, etc., were treated in schools. Talks on different health subjects were given by the school medical officers and school health nurses.

A daily free milk feed of 8 ounces of pasteurised toned milk was given to over 36,000 weak and undernourished children on every school working day. Snacks in the form of chikki and fruits were also given since October 1954 to supplement the milk diet. Scheme for supplying snacks to the undernourished school children was introduced this year and the actual distribution started since October 1954.

**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 milk-shops, eating houses, aerated-water works and other premises, where food was sold was 2,140; 9,899; 26,511; 1,844 and 12,958 respectively. 1,930 hawkers importing milk by train were inspected, out of whom 212 were found to have no licences and 715 were found carrying milk in open cans without covers. Besides, the number of hawkers found with grass rings in their milk vessels was 625.

Prosecutions were instituted in 93 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 179 as against 181 in the previous year. For control of milk and other food stuffs a special mobile squad is established.

**Municipal Laboratory.**—27,815 samples were examined during the year as against 38,635 in the previous year. Of these, 20,427 were examined chemically and 7,388 bacteriologically. The samples examined chemically included 7,511 of milk, 686 of ghee, 1,243 of butter, 159 of vegetables products and 5,744 of other articles of food. Out of these, 2,573 samples of milk, 50 of ghee, 646 of butter and 2 of vegetable product were found non-genuine and led to prosecutions being launched against the offenders.

## XXV.—MUNICIPAL PRINTING PRESS

The total number of Jobs executed at the Press during the year was 8,538. The number of pages for the Corporation and the various Committees including Record printed at the Press amounted to 33,993.

During the year under review the printing of the Budget Estimates, Establishment Schedule, Administration Report, Electric Supply Bill forms, Administration Report of the Municipal Chief Auditor, Motive Power and D.E.A. Higher Bill forms, Mileage cards, Bus Fare Tables and several other Jobs were executed for the B. E. S. & T. Undertaking at a total cost of Rs. 1,04,866.

In addition to the above, the printing of two volumes entitled "Legal Opinions" and "Court Decisions", both on various Sections of the Bombay Municipal Act, comprising of 220 pages and 996 pages respectively was completed at a total cost of Rs. 4,000 and Rs. 13,000 respectively.

Besides this, the Press also undertook the printing of 2 volumes of the "Report on Modern Trends in Medical Education in the U.S.A., U.K. and Holland" by Dr. S. G. Vengsarkar at a total cost of Rs. 1,410.

"The Bombay Civic Journal" continued to be printed at the Press every month and as a mark of completion of the first year of its useful service, an annual number with many art-plates was published.

In addition to the purchase of full quota of 93 tons of paper released by Government 39 tons of foreign paper had to be purchased locally for specialized Jobs.

The working of the Press showed a surplus of \*Rs. 3,403 on the total turnover of Rs. 8.39 lacs during the year.

A Standard Officer has been appointed during the year to implement the recommendations of Messrs. Ibcon Ltd., on the reorganization of the Press.

The labour staff as on 28th February 1955 consisted of 236 workers as against 220 workers on the 28th February 1954.

## XXVI.—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 7,416 files, addressed 1,390 letters to outside parties or their legal advisers and gave advices on 162 documents. The report contains figures of High Court Suits as well as number of documents such as conveyances, etc., which were completed.

The income by way of costs recovered amounted to about Rs. 28,124-3-0 and the expenditure to Rs. 77,247-14-0.

## XXVII.—LABOUR DEPARTMENT

There were 10 unions of Municipal employees, with a total membership of 12,892, during the year under report. The total number of labour staff employed in 11 main departments was 26,302. During the period under report, labour relations remained normal. Eleven joint councils functioned during the year and these helped to create harmonious relations between the administration and the labour. The Labour Officer dealt with among other things 1,773 individual grievances of the labour staff of the various departments.

Under the scheme for scholarships, 159 applications were received and 103 scholarships were awarded to a total cost of about Rs. 12,000. 199 applications were received for medical assistance out of which 177 were given medical aid in cash or kind.

The Welfare Branch of the Department organised recreational, educational, scouting and other cultural activities for the benefit of the Municipal workers and their dependents through its 24 welfare centres. For the benefit of the employees living at the Chembur Labour Camp, a small maternity home was also conducted.

The Labour Officer attended to the hearing of day to day offence reports of all the Municipal hospitals, Fire Brigade staff etc., She also attended a short training course for officers on Employees' State Insurance Scheme sponsored by the Government.

## XXVIII.—WARD OFFICERS

The Ward Officers (South and North) dealt with complaints received during the year in the Municipal Commissioner's Office and those received in the departments, in respect of Buildings, Drainage, Sanitation, Water Supply, Encroachments, Markets Gardens, Fire, etc.

A register of public complaints was maintained and relevant extracts of the complaints were sent to the Heads of Departments concerned for necessary action and report. Similarly, references as regards sanitary defects noticed by the Ward Officers

\* 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.

during the course of their inspection were also made to the respective heads of departments for necessary action and report. Particulars of the complaints received by the two Ward Officers during the year under report under different heads are as under—

Head	Ward Officer (South)	Ward Officer (North)	Total
Building ...	1,253	819	2,072
Drainage ...	418	352	770
Sanitation ...	1,424	1,189	2,613
Water Supply ...	1,162	880	2,042
Miscellaneous (complaints in connection with Encroachments, Markets, Gardens, Fire, etc.)	93	229	322
Total ...	4,350	3,469	7,819

### XXIX—THE BOMBAY CIVIC JOURNAL

'The Bombay Civic Journal', the accredited organ of the Bombay Municipal Corporation, completed one year at the end of February, 1955.

In pursuance of its avowed policy of promoting 'civic progress and enlightenment and the ideal of active, intelligent and creative citizenship', the Journal has been publishing a number of regular features as also special articles from prominent citizens and authorities on various subjects month after month.

Objective recording of the deliberations and activities of the Bombay Municipal Corporation and its various departments as also of the B. E. S. T. Undertaking and other associated institutions, the publication of citizens' view points on issues before the Corporation and other subjects of civic interest, a review of the City's activities in various fields, spotlight on new plans or projects sponsored by the Corporation, reminiscences of past Mayors and civic officials, glimpses of old Bombay, a summary of the activities of local bodies all over the country, a pictorial feature depicting the various departments of the Bombay Corporation at work or highlighting important aspects of Municipal activity, instruction in healthy living, pen pictures of personalities in the public eye or of those who have contributed to the progress of Bombay and articles on the theory and practice of local self-government, past and present—these are the main features of the material appearing in the Journal.

On the occasion of the inauguration of the first phase of the Vaitarna-cum-Tansa Scheme in October 1954 a special 100-page issue, containing eight art plates and authoritative articles on the origin and progress of the Scheme, the history of water supply in the City for the past hundred years and history of Bombay's water supply in general, was brought out. Treated alike from the technical and human angles, the subject matter was such as to appeal both to the specialist and layman.

The Journal, with a measure of response from citizens, local bodies, educational institutions, social welfare organisations and commercial and industrial establishments, has come to establish itself as a useful medium for the dissemination of information on civic subjects, constructive discussion of problems relating to local bodies and the institution of local self-government, exchange of thought and experience among civic organisations and stimulation of public interest in civic affairs.

### XXX.—MUNICIPAL SERVANTS' ACT

*Labour Relations.*—Labour relations during the year were congenial and there was no appreciable dislocation of work at any time.

P. R. NAYAK,  
Municipal Commissioner  
for Greater Bombay.

# FINANCIAL

No. A.E./O/70 of 16.8.55

Report from the Chief Accountant on the accounts of the General Municipal Administration the Improvement Schemes and the Education Fund for the year 1954-55.

General MUNICIPAL Administration.

The following statement summarises the transactions for the year pertaining to Revenue and the actuals for the preceding year :—

	1954-55.			Actuals for
	Budget Estimates.	Revised Estimates.	Actuals.	1953-54.
	Rs.	Rs.	Rs.	Rs.
Opening Balance	94,00,000	95,80,261	95,80,261	52,82,063
Income	9,02,09,177	9,27,43,369	9,18,99,105	8,78,14,865
Expenditure	9,48,17,618	9,59,40,044	8,82,68,562	8,60,06,843
	46,08,441 (Deficit)	31,96,675 (Deficit)	36,30,543 (Surplus)	18,08,022 (Surplus)
Balance	47,91,559	63,83,585	1,32,10,804	70,90,085
Add: Recoupment of advances made from the Surplus Cash Balance for Capital Expenditure and purchase of Capital Stores during 1953-54	...	+19,70,567	+19,70,567	+51,21,072
Total	47,91,559	83,54,153	1,51,81,371	1,22,11,157
Reservation for Advances <i>vide</i> para. 2	...	+1,58,662	-59,91,725	-26,30,896
Closing Balance	47,91,559	85,12,815	91,89,646	95,80,261

2. The details of reservation for Advances, etc., are :—

	Rs.	Rs.
<i>Increase in—</i>		
Contribution towards Improvement scheme	1,02,034	
Renewed Grants	47,55,391	
Capital Stores Balances (still to be recouped)	6,42,321	
Miscellaneous Advances outstanding	7,39,999	62,39,745
Total		62,39,745
<i>Deduct:</i>		
<i>Decrease in—</i>		
Reserve Stores Balance (including Line Suspense Account)		2,48,020
Total		2,48,020
Net Increase		59,91,725

3. The net unhypothecated Surplus Cash Balance on 31st March 1955 was as under :—

Liabilities.	Rs.	Assets.	Rs.
Reserve Stock (including Line Suspense)	22,26,010	Surplus Revenue Fund as per Appendix No. 2	1,71,09,891
Capital Stores (to be recouped)	6,42,321		
Advance for Plant and Machinery	25,01,836		
Miscellaneous Advances	25,50,078		
Minimum required by Law	1,00,000		
Surplus Cash Balance	90,89,646		
Total	1,71,09,891	Total	1,71,09,891

4. The opening and closing Reserve Stores (including Capital Stores) Balances for the year 1954-55 are compared below :—

	Opening Balance.	Closing Balance.	+Increase —Decrease.
	Rs.	Rs.	Rs.
<i>Serviceable Stores—</i>			
Reserve Stores	24,07,966	21,41,754	-2,66,212
Line Suspense Account	66,064	84,256	+ 18,192
Capital Stores	87,71,313	94,13,634	+6,42,321

## 5. The loan liabilities at the beginning and at the end of the year were as under:—

Outstanding debt on 1st April 1954.	Loans raised during the year.	Repayment during the year.	Outstanding debt on 31st March 1955.
Rs.	Rs.	Rs.	Rs.
24,13,79,455	4,73,98,576	2,58,36,403	26,29,41,628

## The details of the loans raised are as below:—

- (1) Rs. 2,00,00,000 Being the loan received from the Government of India through the Government of Bombay for the Vaiterna Cum Tansa Scheme on terms of equated payment at 4½ per cent. interest per annum, in 25 years, as sanctioned under Corporation Resolution No. 1893, dated the 24th March 1955 and G. R. F. D. No. Lon. 3253, dated the 7th July 1954 and 4th November 1954.
- (2) .. 1,92,49,000 Being the loan of Rs. 1.80 lakhs issued at discount of Rs. 0.40 with currency of 10 years at 4 per cent. interest raised by public subscriptions out of Rs. 5.00 lakhs loan sanctioned under Corporation Resolution No. 273, dated the 28th June 1954 and G. R. No. Lon. 3254, dated the 13th September 1954. The provision for repayment was sanctioned on a 20 year basis.
- (3) .. 70,00,000 Being the loan of Rs. 70 lakhs issued at par at 4 per cent. interest with a currency of 20 years raised internally as sanctioned under C. R. No. 273, dated the 28th June 1954 and G. R. No. Lon. 3254, dated the 13th September 1954.
- (4) .. 1,23,480 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 sanctioned under C. R. No. 21, dated the 13th April 1939.
- (5) .. 8,18,718 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.
- (6) .. 2,07,378 Being advance from Net Premia Fund for repayment of Rs. 28 lakhs loan due on 1st August 1954 as sanctioned under Standing Committee Resolution No. 123, dated the 14th April 1954 and Corporation Resolution No. 73, dated 15th April 1954.

Total Rs. 4,73,98,576

The amount of Rs. 200 lakhs under (1) was raised from Government, Rs. 192.49 lakhs under (2) was raised from the public and Rs. 70 lakhs 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. 25,36,932 Repaid to Government on the basis of equated payments from revenue in respect of advances taken from them.
- (2) .. 2,10,57,000 Repaid to Debenture Holders out of Sinking Fund Investments.
- (3) .. 22,42,471 Repaid to different Special Funds out of Revenue on the basis of equated payments.

Total Rs. 2,58,36,403

## The position of the Sinking Fund is shown below:—

Amount of fund on 1st April 1954.	Interest etc. realisation.	Sinking Fund instalments.	Total.	Withdrawn for payment of loans.	Amount of Fund on 31st March 1955.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
5,36,42,907	16,95,553	76,99,155	6,30,37,615	2,08,49,622	4,21,87,993

The value of securities held in the Sinking Fund Account on the basis of market rates prevailing on 31st March 1955 including accrued interest and cash, exceeded the actual amount of the Sinking Fund by Rs. 12,03,573 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. 9,02,09,177 and Revised Estimate was Rs. 9,27,43,369. The actuals amounted to Rs. 9,18,99,105 resulting in an increase of Rs. 16,89,928 on the Budget Estimate and a decrease of Rs. 8,44,264 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:—

	1954-55.	1953-54.	Increase.
(1) General Tax at 17½ per cent. (including Fire Tax)—			
Total Collections booked	Rs. 3,62,60,992	Rs. 3,60,63,002	
Deduct—Recoveries for previous years	*63,94,309	*43,20,734	
	2,98,66,683	3,17,42,268	
Add—Outstanding for year at the close of the year	*1,26,13,864	*84,57,072	
Total	4,24,80,547	4,01,99,340	
(2) Water Tax at 3½ per cent. and water charges by measurement and at compounded rates—			
Total Collection booked	1,90,97,892	1,80,65,142	
Deduct—Recoveries for previous years	*34,61,121	*26,10,261	
	1,56,36,771	1,54,54,881	
Add—Outstanding for the year at the close of the year	*41,79,597	*26,51,191	
Total	1,98,16,368	1,81,06,072	
(3) Halalkhore Tax at 3 per cent. and for special services—			
Total Collection booked	64,56,217	62,75,274	
Deduct—Recoveries for previous years	*11,59,333	*8,43,925	
	52,96,884	54,31,349	
Add—Outstanding for the year at the close of the year	*22,25,087	*16,17,614	
Total	75,21,971	70,48,963	
Net demand on account of Property Taxes inclusive of refunds:	6,98,18,886	6,53,54,375	44,64,511.

\* As supplied by A. & C.

#### 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 collections 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. 90,29,399 and after deducting the amount of Rs. 15,73,373 on account of refund, the net receipt amounted to Rs. 74,56,026 showing an increase of Rs. 1,59,653 as compared with the actuals of the previous year.

#### SALE PROCEEDS OF LAND.

9. There was no balance to the credit of the Land Sales Reserve Fund as on 1st April 1954. The sale proceeds of surplus land during the year amounted to Rs. 4,28,822. This amount being less than Rs. 10 lakhs transfer to the Fund was not made. At the end of the year no surplus land remained available for sale.

#### REVENUE EXPENDITURE.

10. The final sanctioned grants amounted in the aggregate to Rs. 10,57,69,300 as follows:—

Budget Grants	Rs. 9,13,17,618
Unexpended Grants for previous years renewed for expenditure	51,01,525
Additional Grants	93,50,157
Final sanctioned grants...	10,57,69,300

The transfers from one Budget head to another, without affecting the total Budget provision for the year amounted to Rs. 11,19,013.

11. Against the final grants for the year aggregating to Rs. 10,57,69,300 as stated above the actuals amounted to Rs. 8,82,69,562 leaving an unexpended balance of Rs. 1,75,00,738 at the close of the year. Of this a sum of Rs. 1,03,21,450 is being renewed for expenditure during 1955-56 against Rs. 60,66,059 in 1954-55 and the balance *viz.* Rs. 85,79,288 is being allowed to lapse as detailed in Appendix No. 4.

In Statement '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 1954-55 and the previous year are given below:—

	Percentage to Total Expenditure during	
	1954-55.	1953-54.
(1) Establishment proper including supervision	Rs. 10.96%	Rs. 10.72%
(2) Labour	10.94%	11.39%

## LOAN FUNDS.

13. The amount of new loan proposed in the Budget for 1954-55 was Rs. 300 lakhs. The same amount was retained in the revised estimates.

The loan of Rs. 2 crores was raised from Government in instalments of Rs. 1 crore each. The loan of Rs. 192.49 lakhs was raised by public subscription and Rs. 70 lakhs was raised in one instalment internally. The total 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 and for repayment of Rs. 28 lakhs loan due on 1st August 1954, etc., was Rs. 4,73,98,576 as detailed in paragraph 5 above.

A loan of Rs. 1,10,00,000 was raised by public subscription out of the sanctioned loan of Rs. 115 lakhs for the year 1953-54 and the balance was allowed to lapse. Balance of the loan of Rs. 37.51 lakhs out of the loan of Rs. 300 lakhs for 1954-55 was also allowed to lapse.

## LOAN WORKS EXPENDITURE.

14. The opening balance on 1st April 1954 on account of Loan Funds but excluding the Trust Fund was Nil. Loans aggregating Rs. 4,73,98,576 were raised during the year including the amount of Rs. 2,00,00,000 from Government. The total loan funds available for expenditure during the year were therefore Rs. 4,73,98,576. Out of this an amount of Rs. 17,40,218 has been reserved for purchase of Capital Stock, thus the net amount available for expenditure during the year was Rs. 4,56,58,358. The total expenditure incurred during the year amounted to Rs. 4,35,87,862 including Rs. 2,30,349 being the amount of repayment of an advance taken from Surplus Cash Balance, and Rs. 2,07,378 being the amount of repayment of loan leaving a balance of Rs. 20,70,496 in the loan funds at the close of the year as show in Apper dix No. 9.

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.	%	%
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
1953-54	5,14,89,299	6,33,55,464	4,12,55,750	20	35
1954-55	5,75,59,536	7,53,11,003	4,26,47,391	26	43

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 1954-55 adopted by the Corporation were Rs. 7,59,50,338 including Rs. 25,000 on account of subvention, Rs. 6,14,335 on account of charges for raising the new loan, and Rs. 1,98,685 on account of estimated expenditure under the Trust Fund but excluding Rs. 17,40,218 reserved for Capital Stores Account Stock. The amount of Rs. 4,26,67,391 shown as the actual expenditure is arrived as follows:—

Expenditure as shown in the summary of Appendix No. 8 including expenditure under—	Rs.
Trust Fund and credit on account of assets written off	... 4,13,27,429
Deduct: Expenditure for raising the New Loans	... 5,19,402
	4,08,08,027
Add: Assets written off	... 18,39,364
Total	... 4,26,47,391

16. The following table gives the classification of all the Loan Works under distinctive groups for the purpose of apprising the distinctive character and value to the City in relation to the outlay, the allocation of outstanding debts as on 31st March 1955 and the debt charges involved during 1954-55:—

Particulars of City Services.	Amount of loan outstanding on 31st March 1955.	DEBT CHARGES FOR 1954-55.				Total Debt Charges.
		Debt Interest.	Interest accrued but not paid.	Sinking Fund and repayments.	Bark Com. and Misc. Loan Charges.	
General Services	Rs. 9,00,40,463	Rs. 30,83,286	Rs. 47,766	Rs. 48,03,795	Rs. 7,185	Rs. 79,42,032
Self-supporting services						
Water Works.	16,91,76,691	57,15,034	47,044	73,23,017	39,098	1,31,24,193
Fire Brigade	16,93,946	59,788	2,536	1,20,406	162	1,82,892
Markets and Slaughter Houses.	20,25,528	74,610	1,346	1,47,167	118	2,23,241
Total	17,29,01,165	58,49,432	50,926	75,90,590	39,378	1,35,30,326
Grand Total	26,29,41,628	89,32,718	98,692	1,23,94,385	46,563	2,14,72,358

## SINKING FUND.

17. From Appendix No. 10 it will be seen that book value of investments of the Sinking Funds as on 31st March 1955 amounted to Rs. 4,21,87,993 made up of Rs. 4,21,87,872 being the book value of securities and Rs. 121 in cash with the Imperial Bank of India. Valuing the Municipal and Improvement Trust Debentures at par, the market value of the Sinking Fund Investments held on 31st March 1955 comes to Rs. 4,07,20,090 as shown in Appendix No. 16A. This together with the amount of interest accrued upto 31st March 1955, viz., Rs. 2,20,203 and cash with the Imperial Bank of India of Rs. 121 brings the total amount of Sinking Fund to Rs. 4,09,40,414 and more than covers the amount viz Rs. 3,97,36,841 to which the Sinking Fund should have accumulated upto 31st March 1955. The excess in the Sinking Fund Investments account was thus Rs. 12,03,573.

## 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 ...	90,00,000	26.29
(2) Fixed Deposits ...	8,86,00,000	119.53
(3) Call Deposits ...	2,25,50,000	155.60
Total ...	12,01,50,000	301.42

The interest earned during the year amounted to Rs. 26,97,848 and the details are as follows:—

	Rs.
(1) On Current Account Deposits ...	6,423
(2) On Fixed Deposits ...	8,66,888
(3) On Call Deposits ...	2,81,842
(4) On Investments in Public Securities, etc.	15,42,695
Total ...	26,97,848

The average rate of interest on Current Account Deposits was 0.99 per cent. as against 0.96 per cent. in the preceding year. The average rate of interest on Call Deposits was 2.93 per cent. as against 2.81 per cent. in the preceding year. The rate realised on Call Deposits ranged from 2½ per cent. to 3½ per cent. The maximum rate realised on Call Deposit in the preceding year was 3½ per cent. The average rate of interest on Fixed Deposits was 2.99 per cent. as against 2.91 per cent. in the preceding year. The rate realised on the fixed deposits ranged from 2½ per cent. to 3½ per cent. The maximum rate realised on Fixed Deposits in the preceding year was 3½ per cent.

The average rate of interest on all deposits was 2.94 per cent. as against 2.86 per cent. in the preceding year.

The 4 per cent. loan 1960-70, which was purchased at the rates varying from 75 per cent. to 88 6/16 per cent. was quoted at 101 14/16 per cent. during July 1954. The 4½ per cent. loan of 1955-60 also purchased at the rate of Rs. 79¾ per cent. was quoted at Rs. 101 7/16 per cent. during August 1954. Advantage of this favourable market condition was taken and securities of the face value of Rs. 50 lakhs were converted into other forms of securities resulting in the profit of Rs. 11,92,504 to the Municipality.

## RESERVE STOCK.

19. The opening balance and the receipts of General Stores during the year as per books maintained in this office were Rs. 24,07,966 and Rs. 16,88,829 respectively and the issues amounted to Rs. 19,55,041. The closing balance of General Stores was, therefore, Rs. 21,41,754, i.e., less by Rs. 2,66,212 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 1950-51 ...	18,58,223
Do. 1951-52 ...	22,91,946
Do. 1952-53 ...	30,99,860
Do. 1953-54 ...	24,07,966
Do. 1954-55 ...	21,41,754

The outstanding balance on 31st March 1955 according to Controller of Stores is Rs. 7,36,395. The difference of Rs. 14,05,359 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 1954-55.

## CAPITAL STORES.

The opening balance of Rs. 87,71,313 together with receipts of capital stores during the year aggregate to Rs. 1,35,64,090 and the issues to Rs. 41,50,456 thus resulting in an increase of Rs. 6,42,321 in the closing balance of capital stores, viz., Rs. 94,13,634 compared with the opening balance.

## DEPARTMENTAL STOCK VERIFICATION.

20. Verification of the Reserve Stores including Capital Stores at the Central Stores and the sub-depots at Foras Road and Bellasis Bridge Pipe Depot was carried out during the year as usual.

Verification of consumable stores, stationery, dead stock and plant and machinery etc., of all departments was carried out. During the year, visits were paid to 222 offices, ward chokies, schools and sub-offices for verification of stores, dead stock and plant and machinery etc. In addition 152 offices, schools etc., were visited for scrutiny of proposals for writing off unserviceable articles in the Municipal departments. Visits were also paid to 269 offices in connection with scrutiny of audit replies, M.C.A.'s audit notes and other miscellaneous papers.



## STREET IMPROVEMENTS.

21. The provision made in the Revised Loan Works Budget for meeting claims on account of acquisition of set backs was Rs. 10,21,500 (excluding Rs. 50,000 earmarked for adding set back land to the roads) the expenditure being Rs. 4,98,205. This leaves a balance of Rs. 5,23,295 after deducting all ascertained time-barred claims the undischarged commitments upto 31st March 1955 in regard to set-backs already acquired and sanctioned to be acquired amount to Rs. 11,01,339 against which we have a provision of Rs. 8,00,000 (excluding Rs. 50,000 earmarked for adding set-back land to the roads) in the Budget for 1955-56. In addition to this, further liabilities may be expected on account of further acquisition of set-backs that will be sanctioned during 1955-56.

## 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.
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
1953-54 ...	10,400	...	20,802	31,202	30,877
1954-55 ...	28,207	...	17,406	45,613	27,698

The amount outstanding on 1st April 1950 was Rs. 16,962. Adding Rs. 4,36,320 on account of expenditure incurred during the years 1950-51 to 1954-55 and deducting Rs. 66,258 recovered during the same period the amount outstanding at the close of the year 1954-55 came to Rs. 3,87,024 (*vide* Appendix No. 6).

## IMPROVEMENT SCHEMES.

## GENERAL ACCOUNT.

## INCOME.

23. The total income for the year amounted to Rs. 1,27,35,015 against Rs. 1,21,04,563 for the previous year showing a net increase of Rs. 6,30,452 *viz.* increases in (i) Rent and other proceeds of properties Rs. 3,69,598 (ii) Contribution from Municipal Corporation Rs. 2,62,667 (iii) Miscellaneous receipts Rs. 16,893 counter balanced by decrease in Interest and Profits on investments Rs. 18,706. A detailed comparison between the Budget Estimates and Actuals will be found in the Appendix No. 23.

## EXPENDITURE.

24. The total expenditure for the year aggregated to Rs. 1,23,73,668 as against Rs. 1,21,14,213 for the preceding year showing an increase of Rs. 2,59,455. This is made up of increase of Rs. 2,79,924 under maintenance of properties and streets excluding Rs. 33,614 already accounted for in the accounts of 1953-54 and counterbalanced by decrease of Rs. 20,469 under Debt Charges. The expenditure of Rs. 1,23,73,668 comprises expenditure of Rs. 47,78,782 (Rs. 48,12,396 minus Rs. 33,614 already accounted for) under maintenance of properties and streets inclusive of the cost of management and establishment and of Rs. 75,94,886 under Debt Charges. Appendix No. 24 gives a comparison between the final grants and actuals for the year.

25. The net surplus for the year amounts to Rs. 3,61,347 as shown in Appendix No. 22.

## LOANS.

26. The loan liabilities at the beginning of the year stood at Rs. 15,26,50,235. No loan was raised during the year.

The repayment of loan during the year amounted to Rs. 7,33,565 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. 15,19,16,670.

Out of this, the amount outstanding on account of Government loans shown in Appendix No. 29 as Rs. 7,85,22,670 requires some explanation as the whole amount is not really due to Government. Out of the debentures held by Government, debentures are purchased every year for the purpose of Sinking Fund investments and the debentures thus held on 31st March 1955 amount to Rs. 4,70,00,000. The liability to Government on this account is, therefore, only Rs. 3,15,22,670.

## CAPITAL ACCOUNT.

27. The opening balance on 1st April 1954 was Rs. 1,09,43,639. During the year under report, receipt on account of sale proceeds of lands and buildings amounted to Rs. 14,83,943. In addition to this a sum of Rs. 5 lakhs was received from the Government of Bombay being the non recurring Grant-in-Aid of Rs. 5 lakhs to the Corporation towards expenditure incurred on the acquisition of lands for the Colonies constructed at Mankhurd and Jogeshwari for housing the squatters. The total funds available were thus Rs. 1,29,27,582 as against this the expenditure incurred on works amounted to Rs. 23,80,541. The surplus in the General Account for the year amounted to Rs. 3,61,347 and was transferred to the Capital Account. The unspent balance at the close of the year stood at Rs. 1,09,08,388.

## EXPENDITURE ON SCHEMES.

28. The actual Expenditure incurred during the year on Schemes amounted to Rs. 23,80,541 as against the Revised Estimates of Rs. 85,48,507 (including Rs. 7,65,939 on account of Cost of Management and Establishment). The total expenditure on Schemes upto 31st March 1955 amounted to Rs. 20,89,58,486 of which Rs. 14,65,586 represent discount and other charges on loans.

## SINKING FUNDS.

29. The position of the Sinking Fund is shown below :—

Amount of Fund on 1st April 1954.	Interest etc. realisation.	Sinking Fund Instalment.	Deduct withdrawn for payment.	Amount of Fund on 31st March 1955.
Rs. 5,20,14,064	Rs. 23,48,259	Rs. 5,70,495	Rs. Nil.	Rs. 5,49,32,818

From Appendix No. 28 it will be seen that in the books of accounts, the Sinking Fund as on 31st March 1955 amounts to Rs. 5,49,32,818 of which Rs. 5,49,32,603 represent the book value of the securities and Rs. 215 in cash with the Imperial Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par, the market value of the Sinking Fund Investments held on 31st March 1955 comes to Rs. 5,50,91,138 as shown in Appendix No. 30. This together with the amount of interest accrued upto 31st March 1955, viz. Rs. 1,16,832 and cash with the Imperial Bank of India, viz., Rs. 215 brings the total amount of Sinking Fund to Rs. 5,52,08,185 against Rs. 5,05,90,190 the amount to which the Sinking Fund should have accumulated upto 31st March 1955. The excess in the Sinking Fund Investment Account is thus Rs. 46,17,995.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1955 comes to Rs. 15,19 lakhs. Out of this Rs. 3,09 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.

As there was a fall in the value of 4 per cent. sterling loan, 1969-70, by about 20 per cent. a policy of absorbing these, as and when offerings were available was adopted and the securities purchased were kept in the Improvement Schemes Sinking Fund Account as approved by the Standing Committee under Standing Committee Resolution No. 2114 of 13th January 1954. Loans of the face value of £ 19,500 were absorbed during the year under review.

## LIABILITIES AND ASSETS.

30. The gross Capital liabilities of the Improvement Schemes stood at Rs. 15,66,75,160 at the close of the year and the assets at Rs. 28,53,98,246 including the book value of lands comprised in Schedule 'W' and 'X' resulting in a surplus of Rs. 12,87,23,086, the details whereof are shown in Appendix No. 25.

## EDUCATION FUND.

31. The total income for the year amounted to Rs. 1,49,66,696 (including Rs. 1,12,45,619 being the contribution from Budgets 'A' and 'D') against the Budget Estimate of Rs. 1,50,78,715 and the Revised Estimate of Rs. 1,49,77,319 showing a decrease of Rs. 1,12,019 on the Budget Estimate and of Rs. 10,623 over the Revised estimate. The decrease of Rs. 1,12,019 is made up of a decrease of Rs. 2,07,896 in contribution from Budgets 'A' and 'D' and Rs. 17,160 in Miscellaneous Receipts counterbalanced by an increase of Rs. 60,019 in Fees and Fines from Municipal Schools and Rs. 53,018 in other Miscellaneous Revenue. The details of income are shown in Appendix No. 32.

The final sanctioned grants amount in aggregate to Rs. 1,61,31,605 as under:—	Rs.
Budget Grants	... 1,52,21,977
Unexpended grant for previous years renewed for expenditure	... 7,53,154
Additional Grants	... 1,56,474
Total	... 1,61,31,605

The total expenditure booked was Rs. 1,38,16,321 and the total unexpended grants amounted to Rs. 23,15,284. Out of this, grants to be renewed in 1955-56 aggregate to Rs. 10,60,209 leaving a balance of Rs. 12,55,075 to be lapses as savings as detailed 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 the Education Fund as on 31st March 1955 was Rs. 1,57,18,143. Details are shown in Appendix No. 6. The endowment Funds administered by the Corporation for Primary Education are given in Appendix No. 41A. Two more donations aggregating to Rs. 2,000 were received during the year under review. A sum of Rs. 8,623 on account of accumulated interest was added to the corpus of Endowment Funds during the year.

The amount of new loan proposed in the Budget for 1954-55 was Rs. 15 lakhs. This amount was raised by public subscription. The liability in respect of Municipal Loans pertaining to Budget 'E' stood at Rs. 25 lakhs at the close of the year as shown in Appendix No. 37. The amount of Sinking Fund at the beginning of the year was Rs. 60,384 and at the close was Rs. 1,23,220. The details are given in Appendix No. 38. The securities held in the Sinking Fund are shown in Appendix No. 41.

The opening balance on account of loan Funds was Rs. 2,01,610. With the new loan of Rs. 15 lakhs the total funds available were Rs. 17,01,610. The expenditure incurred during the year on Capital Works amounted to Rs. 8,98,749 leaving a balance of Rs. 8,02,861. The actual expenditure works out to about 31 per cent. of Budget Estimate (Rs. 29,14,251). 32 per cent. of Revised Estimate (Rs. 27,91,456), and 53 per cent. of the available funds (Rs. 17,01,610).

The interest earned on investments in Public Securities, Fixed Deposits and Call Deposits during the year was Rs. 81,958 against Rs. 54,988 during the preceding year.

The opening balance of the Education Fund at the beginning of the year was Rs. 10,75,056. The transactions for the year resulted in a surplus of Rs. 11,50,374. The balance at the close of the year amounted to Rs. 22,25,430. There is an increase of Rs. 1,12,392 in the amount reserved for meeting the revenue expenditure for 1954-55 and the previous year to be incurred during 1955-56 over that of the preceding year. Thus balance at the close of the year stood at Rs. 21,13,038. The net unhypothecated Surplus Cash Balance of the Education Fund on 31st March 1955 amounted to Rs. 20,54,936 as under:—

		Rs.
Surplus Revenue Fund as per Appendix No. 31		... 21,13,038
Less: Advances for Plant and Machinery	... Rs. 16,000	
Miscellaneous advances	... Rs. 22,102	38,102
		<hr/>
		... 20,74,936
Minimum required by law		... 20,000
		<hr/>
Net balance		... 20,54,936
		<hr/>

#### STANDARD BRANCH.

32. The management control indices furnished below indicate the progress of implementation of Messrs. Ibcon's recommendations on the re-organisation 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
March 1954	... 282	244	86.5
March 1955	... 295	285	96.6

Staff drawn in pool have been absorbed in the department in the vacancies that arose due to transfer to and vacant posts in Suburban Offices and also due to resignations, retirements, etc.

## GENERAL REMARKS

(000 omitted)

## City (Proper)

33. In the Budget Estimates for the year, the Income was estimated at Rs. 9,02,09, Expenditure at Rs. 9,48,17, and deficit at Rs. 46,08. On the basis of 8 months' actuals, the income was revised to Rs. 9,27,43, expenditure to Rs. 9,59,40 and deficit Rs. 31,97. The actual income realised was Rs. 9,18,99 (including transfer of Rs. 34,40 from B.E.S.T. Fund) and expenditure aggregated to Rs. 8,82,69 resulting in a surplus of Rs. 36,30.

The net increase of Rs. 16,90 in income compared with the original estimates comprises of gross increases amounting to Rs. 45,12 counterbalanced by decreases to the extent of Rs. 28,22. The main increases were under Town Duties Rs. 4,56. Interest on profit and investments of Surplus loan and other balances Rs. 15,94 Miscellaneous Rs. 2,53, Water Works Rs. 6,66, Medical Relief Rs. 43, Mechanical Rs. 96 Buildings, Land Acquisition and Management Rs. 4,13, Licensing and Removal of Encroachments Rs. 4,65, Gardens Rs. 89, Markets and Slaughter Houses, Rs. 3,24 Extra-ordinary Receipts Rs. 78, Transfer from B.E.S. & T. Fund Rs. 12 and minor increases under certain other heads Rs. 23.

The main decreases in income are under General Tax Rs. 21,31, Grant-in-aid in respect of fines for offences against the Law Rs. 3,50, Municipal Civic Journal Rs. 84 Street Cleansing Rs. 70, Roads, S. W. Drains and Public Lighting Rs. 1,02, Fire Brigade 77 and Miscellaneous decreases under certain other heads Rs. 8.

As regards expenditure, the final sanctioned grants (including Renewed Grants etc.) aggregating to Rs. 10,57,69 against which the actual expenditure was Rs. 8,82,69 leaving an unexpended balance of Rs. 1,75,00 out of which a sum of Rs. 1,08,21 (including Rs. 25,00 for the work of providing housing accommodation to municipal employees and Rs. 6,00 for providing convalescent home at K. E. M. Hospital) is being renewed for expenditure in 1955-56 providing only for such grants as could be possibly spent by 1st October next and the remaining amount of Rs. 66,79 allowed to lapse as savings. Excluding Rs. 31,00 for earmarked provisions as stated above, the normal renewal amounted to Rs. 77,21 as against Rs. 60,66 for the previous year.

The expenditure for the year *i.e.* Rs. 8,82,69 compared with the previous year Rs. 8,60,07 shows a net increase of Rs. 22,62 *i.e.*, gross increases Rs. 40,62 less decreases Rs. 18,00 the main increases being under Water Works Rs. 11,77 Medical Relief and Education Rs. 5,11 Street Cleansing etc. Rs. 2,87 Roads, S.W. Drains etc., Rs. 7,59 Contribution to Budget 'B' Rs. 2,63 Contribution to Budget 'D' Rs. 57, Contribution to Budget 'E' Rs. 6,57, P.F. Rs. 1,70 Dearness Allowance Rs. 1,05 and minor increases under certain other heads Rs. 76 the main decreases being under Mechanical Rs. 65 Buildings, etc., Rs. 12,45 Fire Brigade 1,41 Licensing Rs. 39 Gardens and Open Spaces Rs. 67 Markets Rs. 88 Rent of Buildings Rs. 52 and under certain other heads Rs. 1,03.

The net unencumbered surplus cash balance (including minimum required by law) at the beginning of the year was Rs. 95,80. The transactions of the year resulted in a surplus of Rs. 36,30. Adding to this the amounts of Rs. 2,31 and Rs. 17,40 on account of recoupment of advances made for meeting Capital Expenditure and purchase of Capital Stores during 1953-54 respectively, debited provisionally pending raising of a loan, the total amount available as surplus cash balance stood at Rs. 1,51,81.

The increase in the Surplus Cash Balance is mainly due to less expenditure of Rs. 76,71 counterbalanced by decrease in income of Rs. 8,44 and increase in reservations of R. G. etc. to the extent of Rs. 61,50 over that estimated in the Revised Estimate. A further sum of Rs. 6,42 has again been advanced as against Rs. 17,40 advanced in previous year for purchase of Capital Stores during the year under report, *i.e.*, 1954-55 which will be recouped on raising of a new loan in 1955-56. If this is taken into account as well as the increase in reservation of other advances the closing surplus cash balance at the end of the year works out to Rs. 91,90.

The expenditure estimated for the year on loan works as detailed in para. No. 15 was Rs. 5,75,59 revised to Rs. 7,53,11 against which the actuals amounted to Rs. 4,26,47. Thus the actual expenditure booked works out to 74 per cent. and 57 per cent. of the Budget and Revised Estimates respectively.

The position regarding the Sinking Fund is satisfactory, as there is still an excess accumulation of Rs. 12,04 on 31st March 1955. In addition to this, a sum of Rs. 52,45 stands to the credit of the Net Premia Fund which is intended as a reserve for making good any deficit in the market value of Sinking Fund Investments.

## Loans.

During the year under report the following loans aggregating to Rs. 2,17,85 were repaid:—

- (1) Loan of Rs. 49,40 out of Rs. 70 lakhs for Tansa Re-duplication and Auxiliary Works.
- (2) Rs. 1,60,00 loan for the improvement of water supply in Bombay (1st and 2nd issues.).
- (3) Rs. 8,45 loan out of Rs. 28 lakhs loan for the repayment of Rs. 39.94 lakhs out of 6 per cent. Rs. 50 lakhs loan due on 1st August 1929.

## Improvement Schemes

The total income amounted to Rs. 1,27,35 and expenditure Rs. 1,23,74 resulting in a surplus of Rs. 3,61. The position of this Sinking Fund is also satisfactory, as there is still an excess accumulation of Rs. 46,18.

## Education Fund.

The income was Rs. 1,49,67 made up of Rs. 99,05 and Rs. 13,40 being contributions from Budgets 'A' and 'D' and Rs. 25,10 and Rs. 5,50 grants-in-aid from Government for the City and Suburbs and Rs. 6,62 Miscellaneous Receipts. The expenditure was Rs. 1,38,16 (City Rs. 1,18,36 and Suburbs Rs. 19,80).

## General.

The notable feature in the year under report is the appropriation of Rs. 35 lakhs out of the Revenue Funds for the following purposes:—

	Rs. (in lakhs)
(1) Providing housing accommodation to Municipal employees	... 25
(2) Supplementing the milk given to undernourished needy children attending Municipal Schools by certain additional foods.	4
(3) Providing a convalescent home of 120 beds at K. E. M. Hospital	... 6
Total	... 35

The Plans and Estimates in respect of Item No. 1 have been duly approved by the Corporation and the work is in progress.

As regards Item 2 the proposal to give additional food such as chikie and fruit to the undernourished needy children attending Municipal Schools has already been approved.

The Plans and Estimates in respect of Item No. 3 also have been duly approved by the Corporation and the work has been given by Contract.

The accounts of the last Civic Exhibition organised by the Municipal Corporation from 5th February 1954 to 21st March 1954 are being finalised.

Civic Journal which was started as an accredited organ of the Bombay Municipal Corporation *vide* Corporation Resolution No. 661, dated the 24th September 1953 is being continued on a permanent basis due to the keen interest evinced by the Public Municipal Corporators as well as Municipal employees by subscribing to the issues.

A significant item of Loan Works expenditure in the year under report is the provision of a Pedestrian Subway 25' wide near Churchgate Station across the Queen's Road with a view to eliminating the traffic bottle neck during peak hours. The work was given by contract at an approximate cost of Rs. 4.10 lakhs.

Another major item of Loan Works is the extension of the Municipal Head Office Building. The plans and estimates of which amounting to Rs. 32.57 lakhs have been duly approved by the Corporation. The work is in progress.

The transactions of the year reveal a surplus of Rs. 36.30 lakhs as was the case last year. This was mainly due to actual expenditure being less.

Large amounts were spent during the year on (1) repairs to roads damaged by heavy and unprecedented monsoons, (2) repairs to refuse vehicles, (3) improvement of lighting, (4) providing heavy apparatus and equipments to Hospitals, Dispensaries and Maternity Homes etc. A number of amenities are still to be provided for the growing population of the City. The Corporation have prepared a 2nd five year plan estimated to cost Rs. 39.59 crores for the development of the City and Government is being moved to place the same for the consideration of the Planning Commission.

The schemes included therein comprise of:—

- (1) Removal of Slum areas in the City;
- (2) Provision of housing for the low income groups and Municipal employees.
- (3) Adequate water supply;
- (4) Expansion of medical relief;
- (5) Promotion of public health measures.
- (6) Improvement of Roads, drains etc.

The Capital outlay which the Corporation will have to incur on all the above schemes will result in throwing additional burden on them in the form of debt charges which will have to be met out of the revenue. The resources of the Corporation will not be able to bear the strain. The need for exploring additional sources of revenue therefor cannot be overemphasised and will have to be pursued further in terms of the orders passed by the Government on Taxation Inquiry Committee Report.

In the meanwhile steps are being taken to effect economy wherever possible without impairing the efficiency of the services.

In conclusion, I would like to add that the staff have done their duty with commendable zeal.

T. V. DORAISWAMY,  
Chief Accountant.

Statement 'A' showing main items contributing to the increases and decreases in Income for 1954-55  
(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 ... ..		21,31,260	Main decreases under Tax from Govt. Rs. 3,77,443 Dol do. B.P.T. " 9,68,916 Do. do. Impts. Pro- " 1,02,177 perties. Do. do. Mills " 22,35,815 Do. do. Central Rly. " 5,20,775 due to non-finalisation of assessment and a large number of disputes not being settled during the year, counter-balanced by Increases under Tax from Public Rs. 15,93,360 and Tax from Western Railway Rs. 4,80,506. due to the increase in the valuation on account of the amendment to the rent restriction Act and new properties having been added.
B.—Town Duties ... ..	4,56,026	...	Increases mainly under town duties through B.P.T. Rs. 3,36,829 and Western Railway Rs. 26,013 and Town Duty Department Rs. 98,443 counterbalanced by decreases under Town Duties through Central Railway Rs. 6,31,886 and also due to less refunds to the extent of Rs. 6,26,627.
C.—Other Receipts—			
(h) Grant-in-aid in respect of fines for offences against the Law. ...		3,49,607	Mainly due to decrease in number of cases resulting in reduced amounts of fines levied.
(c) Interest and profits on investments of surplus Loan and other balances. ...	15,93,859	...	Increase due to profits realised on sale of securities.
(e) Miscellaneous ... ..	2,52,911	...	Increases under miscellaneous receipts Rs. 2,29,276, Miscellaneous fees Rs. 8,612 and rent of buildings and lands Rs. 15,199, counterbalanced by a decrease of Rs. 176 under contributions from municipal servants towards Pension, etc. Fund.
(f) Receipts on account of Municipal Journal. ...		84,037	Decreases mainly under Advertisement Rs. 60,317 and sale of Municipal Journal Rs. 23,720 as no sufficient response was received as expected.
2.—Water Works and Other Miscellaneous Water Works Revenue. ...	6,66,013	...	Main increases under water by measurement per 1,000 gallons Rs. 4,94,162; Compounded Tax Rs. 5,25,004; Rent of Water Meters Rs. 25,895; Rent of Buildings and Lands Rs. 4,919; Miscellaneous Receipts Rs. 28,031; counter-balanced by decreases under water tax on rateable value Rs. 4,01,196 due to non-finalisation of assessment and under fees for water connections Rs. 10,302.
6.—Medical Relief and Education ... ..	42,555	...	Main increase made up of Rs. 4,964 under Miscellaneous fees and receipts etc., Rs. 12,609 under Receipts from G. S. M. Colleges, Rs. 9,714 from K. E. M. Hospital, Rs. 9,431 under interest realised on Hospital Fund, Rs. 1,828 under interest on K. E. M. Hospital and G. S. M. College Equipment Fund, Rs. 1,000 under Receipts from B. Y. L. N. Charitable Hospital, and Rs. 20,935 under Receipts from M. G. H. Sion, counter-balanced by decreases under interest realised on donations from public Rs. 2,210, under Grant-in-Aid from Govt. in respect of excise duty, etc., for spirituous articles Rs. 10,074, under Receipts from T. N. M. College, Rs. 1,117, N. H. D. College Rs. 197 Grant-in-Aid from Government, for T. N. M. College Rs. 4,326, and interest realised on the donation from the Estt. of Blood Bank at K. E. M. Hospital Rs. 2.
7.—Street Cleansing and Conservancy, Road Watering, etc. ... ..		70,173	Main decreases under Halalkhore Tax on rateable value Rs. 1,62,688 due to non-finalisation of assessment, under tax for special service Rs. 1,285 and under sale of Rights Rs. 19,946 counterbalanced by increases under Miscellaneous Receipts Rs. 65,709, under Miscellaneous fees Rs. 21,655 and under Rent of Buildings and Lands Rs. 26,382.
8.—Roads, S. W. Drains & Public Lighting—			
A.—Wheel Tax ... ..		43,898	Decrease of Rs. 56,390 under wheel tax on public conveyances due to reduction in the number of vehicles counter-balanced by increased of Rs. 12,492 under tax on private conveyances.
C.—Other Receipts—			
(h) Miscellaneous ... ..		54,696	Mainly under Miscellaneous Receipts Rs. 26,119 and under Miscellaneous fees Rs. 41,527 counterbalanced by increase of Rs. 12,950 under Rent of Buildings and Lands.
9.—Mechanical ... ..	95,967	...	Due to recovery of the old arrears and increased demand for gas.
10.—Buildings, Land Acquisition and Management. ...	4,13,195	...	Increase is made up of Rs. 2,78,822 under Sale proceeds of surplus land; Rs. 9,595 under Rent of Buildings; Rs. 45,410 under Ground Rent; Rs. 92,149 under Miscellaneous Fees counterbalanced by decrease of Rs. 12,781 under Miscellaneous Receipts.

Budget Head.	Amount of Increase.	Amount of Decrease.	REMARKS.
	Rs.	Rs.	
11.—Fire Brigade	...	77,321	Main decrease made up of Rs. 16,653 under Fire Tax from Govt. Rs. 40,917; from B.P.T. 4,797; from Impts. Properties Rs. 98,937 from Mills; Rs. 22,977 from Central Railway due to non-finalisation of assessment counterbalanced by increases under Fire Tax from Public Rs. 80,518; from Western Railway Rs. 21,200; and from Miscellaneous Receipts Rs. 5,242.
12.—Licensing, Removal of Encroachments on Public Streets, etc.	4,65,212	...	Increase made up of Rs. 1,70,223 under Licences for dangerous and offensive trades owing to increase in the number of Licences; Rs. 48,486 under licences for squatters and Hawkers and fees for removal of encroachments due to speedy recovery and recovery of arrears and enhanced stallage charges; Rs. 37,481 under Grant-in-Aid from Govt. for the Administration of Shops and Establishment Act, 1948; Rs. 3,909 under Registration etc., fees; Rs. 2,552 under Miscellaneous Receipts; Rs. 83,201 under fees for Advertisements; Rs. 1,19,360 under Receipts from Theatre tax due to increase in the number of stray programmes and the reclassification of theatres.
13.—Gardens and Open Spaces	89,232	...	Increase due to arrears for last three years having been paid by the Royal Western India Turf Club.
14.—Markets and Slaughter Houses	3,23,526	...	Mainly under Stallage charges Rs. 22,551; under Squatters fees Rs. 71,267; under fair ground and feeding fees Rs. 64,931; under Miscellaneous Receipts Rs. 1,85,093 and under Cold Storage fees Rs. 2,441 counterbalanced by decreases under Slaughter fees Rs. 3,687; under Rent of Buildings and Lands Rs. 12,642; and under Licence fees from private market owners Rs. 6,428.
15.—Contribution from Capital Funds to Revenue on account of Loan Works Staff.	18,043	...	Due to more expenditure on Capital Works.
16.—Extra ordinary Receipts	78,321	...	Due to larger amounts being available for investments in securities and higher rate of interest earned.
18.—Transfer from B. E. S. & T. Fund	11,874	...	Due to more receipts than anticipated under Section 460 LL (1D) of the Bombay Municipal Corporation Act.

## Summary of Increases and Decreases in Income compared with the Budget Estimates.

(000 Omitted)

		Increases	Decreases
	Rs.	Rs.	Rs.
<b>General Tax—</b>			
From Government	... — 3,77		
From Port Trust	... — 9,69		
From Improvements Schemes Properties	... — 1,02		
From Mills	... — 22,36		
From Central Railway	... — 5,21		
	— 42,05		
From Public	... + 15,93		
From Western Railway	... + 4,81		
	+ 20,74		
Town Duties	...	4,56	21,31
Grant-in-aid of the fees for Land Conveyance etc.	...	1	...
Grant-in-aid in respect of fines for offences against the law	...	...	3,50
Interest and Profit on investments of surplus loans and other balances	...	15,94	...
Interest on Plant and Machinery Depreciation Fund	...	2	...
Miscellaneous	...	2,53	...
Municipal Journal	...	...	84
Water Works	...	6,66	...
Public Health	...	...	8
Medical Relief and Education	...	43	...
Street Cleansing and Conservancy	...	...	70
Roads S. W. Drains and Public Lighting	...	...	1,02
Mechanical	...	96	...
Building Land Acquisition and Management	...	4,13	...
Fire Brigade	...	...	77
Licensing and Removal of Encroachments	...	4,65	...
Gardens and Open Spaces	...	89	...
Markets and Slaughter Houses	...	3,24	...
Contribution from Capital Funds to Revenue on account of Loan Works Staff	...	18	...
Extra-ordinary Receipts	...	78	...
Rebate from Government on on account of Collection of Urban Immovable Property Tax.	...	2	...
Transfer from B. E. S. & T. Fund	...	12	...
<b>Total</b>	...	<b>45,12</b>	<b>28,22</b>
<b>Gross Increases</b>	...	<b>45,12</b>	...
<b>Gross Decreases</b>	...	...	<b>28,22</b>
<b>Net Increase</b>	...	<b>16,90</b>	...



Statement 'B' showing the analysis of amounts to be renewed for expenditure in 1955-56 and amounts of savings out of the grants for 1954-55 after allowing for renewal under different Service Heads.

(000 Omitted)

Budget Head.	Establishment, Supervisory and Labour.	Stores and Materials.	New Works, 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 11 B 179	...	64 23	4 15	...	*198 *68	†277 ...	... †285	
II.—Water Works	... A 13 B 61	...	486 80	356 793	...	103 95	958 ...	... 10,29	
III.—Contribution to Education Fund under Section 126(c) of the Bombay Municipal Corporation Act.	... B		(See under XV.—Contribution 'C')						
IV.—Education, Secondary	... A ... B 7	...	24 ...	... ...	...	... 6	24 ...	... 13	
V.—Public Health Department	A 18 B 258	90 49	53 11	39 28	...	465 172	665 ...	... 518	
VI.—Medical Relief & Education	A 46 B 149	206 75	279 119	9 116	...	12,06 338	17,46 ...	... 797	
VII.—Street Cleansing and Conservancy, etc.	A 153 B 450	113 64	32,36 165	41 334	...	12,56 177	47,99 ...	... 11,90	
VIII.—Roads, S. W. Drains and Public Lighting	A 1 B 98	...	842 342	50 200	...	32 32	925 ...	... 672	
IX.—Mechanical ...	... A 1 B 14	... 1	74 3	... 24	...	7 7	82 ...	... 49	
X.—Buildings, Land Acquisition and Management.	A 9 B 147	...	16 4	21 39	...	8 Cr. 58	54 ...	... 132	
XI.—Fire Brigade	... A 4 B 15	15 1	51 9	4 21	...	13 5	87 ...	... 51	
XII.—Licensing, Removal of Encroachment, etc.	A 4 B 45	...	5 1	... 7	...	4 26	13 ...	... 79	
XIII.—Gardens and Open Spaces.	A 3 B 3	...	122 21	... 1	...	15 2	140 ...	... 27	
XIV.—Markets and Slaughter Houses.	A 2 B 52	49 67	170 21	4 24	...	58 19	283 ...	... 183	
XV.—Contributions to—	...								
(a) Budget 'B'	... A ... B ...	...	...	...	144	...	...	144	
(b) Budget 'D'	... A ... B ...	...	...	...	...	...	...	...	
(c) Budget 'E'	... A ... B ...	...	...	...	359	...	...	359	
XVI.—Miscellaneous—									
A.—Provident Fund, etc. including P. F. etc., under II, VIII, XI, XIV.	A ... B ...	...	...	...	35 141	...	35 ...	... 141	
B.—U. I. P. Tax, etc.	... A ... B ...	...	...	...	68 68	...	68 ...	... 68	
C.—Dearness Allowance including D. A. under II, VIII, XI & XIV.	A ... B ...	...	...	...	85 833	...	85 ...	... 833	
D.—Grants-in-aid to Public Institutions.	A ... B ...	...	...	...	500 15	...	500 ...	... 15	
E.—Rent of Buildings	... A ... B ...	...	...	...	80 94	...	80 ...	... 94	
Total A	...	265	473	54,22	528	768	33,65	1,08,21	...
Total B	...	14,78	257	799	16,02	16,54	889	...	66,79
Grand Total	...	17,43	730	62,21	21,30	24,22	42,54	...	1,75,00

\* Proportion chargeable to Improvement Schemes Account has been deducted from this.

A—Renewals.  
B—Savings.

† Inclusive of proportion chargeable to II.—Water Works, XI. Fire Brigade and XIV Markets and Slaughter Houses.

## APPENDICES

## MUNICIPAL ACCOUNT.

- No. 1.—General Financial Statistics.  
 No. 2.—Statement of Surplus Revenue Fund for 1954-55.  
 No. 3.—Statement showing the Income realised during 1954-55 as compared with estimates for the year as also with the actuals for the preceding year.  
 No. 4.—Statement showing the expenditure during 1954-55 as compared with the Final sanctioned grants.  
 No. 4A.—Statement showing details of Expenditure incurred on New Works during the year ending 31st March 1955.  
 No. 5.—Balance Sheet (Revenue) as at 31st March 1955.  
 No. 6.—Statement of Special Funds for 1954-55.  
 No. 7.—Balance Sheet (Capital Funds) as at 31st March 1955.  
 No. 8.—Block Account, showing details of Capital Expenditure upto 31st March 1955.  
 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 1955.  
 No. 10.—Statement showing the actual investment on account of the Sinking Fund of different Municipal Loans upto 31st March 1955 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 1955.  
 No. 11.—Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1954 on the different loans, the amount payable for the year 1954-55, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1955.  
 No. 12.—Water Works, Income and Expenditure Account, including statement of income realizations for 1954-55 and preceeding 5 years from Water supply through meters.  
 No. -- Supplementary to No. 12 Statement showing the quantity of water by meter supplied during 1946-47 to 1954-55.  
 No. 12A.—Water Works Assets and Liabilities.  
 No. 13.—Markets and Slaughter Houses, Income and Expenditure Account for 1954-55.  
 No. 14.—Municipal Printing Press, Income and Expenditure for the year 1954-55.  
 No. 14A.—Statement of Advance of Accounts for 1954-55.  
 No. 14B.—Statement of Advance Accounts out of Special Funds for 1954-55.  
 No. 14C.—Statement of Deposit Accounts for 1954-55.  
 No. 14D.—Statement of Reserve Stores Stock Accounts for 1954-55.  
 No. 14E.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1955.  
 No. 15.—Statement of amounts of receipts and expenditure respectively, credited and debited to the Municipal Fund during the year 1954-55 and the balance at the credit of the fund at the close of the year 1954-55 (i.e., 31st March 1955).  
 No. 16.—Comparison of Face, Purchase and Market values at 31st March 1955 of the different securities held in the Special Funds.  
 No. 16A.—Comparison of Face, Purchase and Market values at 31st March 1955 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 1955.  
 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 1955.  
 No. 17.—Statement of Town Duties collected and refunds allowed in 1954-55.  
 No. 18.—Statement of the Income of the Bombay Municipality from 1932-33 to the close of the financial year 1954-55.  
 No. 19.—Statement of the Expenditure of the Bombay Municipality from 1932-33 to the close of the financial year 1954-55.  
 No. 20.—Contracted statement of Income and Expenditure from the year 1932-33 to the financial year 1954-55.

## IMPROVEMENT SCHEMES ACCOUNT.

- No. 21.—General Financial Statistics.  
 No. 22.—General Account for the year 1954-55.  
 No. 23.—General Account for 1954-55—Details of Income.  
 No. 24.—General Account for 1954-55—Details of Expenditure.  
 No. 25.—Balance sheet (Capital Account) as at 31st March 1955.  
 No. 26.—Block Account showing Capital Expenditure upto 31st March 1955.  
 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 1955 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 1955.  
 No. 29.—Statement showing outstanding loans of the Bombay Improvement Trust due by the Municipality, the interest outstanding on 1st April 1954 on the different loans, the amount payable for the year 1954-55, the amount paid during the year and the balances outstanding on 31st March 1955.  
 No. 30.—Comparison of Face, Purchase and Market values at 31st March 1955 of the different securities held in the Sinking Fund.

## EDUCATION FUND.

- No. 31.—Revenue Account for the year ended 31st March 1955.  
 No. 32.—Statement showing Net Receipts during the year 1953-54 from all sources as contrasted with the original and Revised Budget Estimates.  
 No. 33.—Statement showing actuals as compared with the final sanctioned grants for 1954-55.  
 No. 33A.—Statement showing details of Expenditure incurred on New Works during the year ending 31st March 1955.  
 No. 34.—Revenue Account Balance Sheets at 31st March 1955.  
 No. 35.—Capital Fund Balance Sheet as at 31st March 1955.  
 No. 36.—Block Account showing details of Capital Expenditure upto 31st March 1955.  
 No. 37.—Statement showing outstanding loan due by the Municipality, the interest outstanding on 1st April 1954 on different loans, the amount payable for the year 1954-55, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1955.  
 No. 38.—Statement showing the actual investment on account of the sinking Fund of different Education Loans upto 31st March 1955 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 1955.  
 No. 39.—Statement of Advances for 1954-55.  
 No. 39A.—Statement of Deposit Accounts for 1954-55.  
 No. 39B.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1955.  
 No. 40.—Statement showing the amounts of receipts and Expenditure respectively credited and debited on the Education Fund during the year 1954-55 and the balance at the credit of the fund at the close of the year 1954-55. (i.e., 31st March 1955.)  
 No. 41.—Comparison of Face, Purchase and Market value at 31st March 1955 of the different securities held in the Sinking Funds.  
 No. 41A.—Statement showing the amount of and object for which the endowments held under the Endowment Fund were received from different parties upto 31st March 1955.

## APPENDIX No. 1

## General Financial Statistics

	1950-51	1951-52.	1952-53.	1953-54.	1954-55.
<i>General.</i>					
1. Area of the City (acres)	16,761	16,761	16,761	16,761	16,761
2. Population ...	* 23,25,945	* 23,25,945	* 23,25,945	*23,25,945	**23,29,020
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	20,35,42,407	21,00,54,130	21,99,08,994	23,43,85,349	24,98,47,735
4. Rateable value per head of population.	*Rs. 87-8-11	*Rs. 90-4-11	*Rs. 94-8-8	Rs. 100-12-3	Rs. 107-4-5
5. Properties registered in the Assessment Book	53,280	53,865	54,079	54,157	54,527
<i>Income.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
	at 14 per cent.	at 14 per cent.	at 17 per cent.	at 17 per cent.	at 17 per cent.
6. General Tax ...	2,61,90,737	2,57,58,248	3,22,51,699	3,45,17,803	3,47,17,755
7. Income from other sources ...	4,57,92,903†	5,13,92,466††	5,23,30,076	5,32,97,062	5,71,81,350
Total Income Rs.	7,19,83,640	7,71,50,714	8,45,81,775	8,78,14,865	9,18,99,105
8. Incidence of Taxation per head ...	Rs. 24-13-3	Rs. 26-6-2	Rs. 30-4-1	Rs. 31-8-10	Rs. 32-2-11
<i>Loans.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	15,17,18,690	17,38,54,303	20,08,83,204	24,13,79,455	26,29,41,628
10. Redemption and Sinking Funds in hand or invested ...	3,73,87,594	4,24,22,631	4,52,15,739	5,36,42,907	4,21,87,993
11. Net Loan Debt ...	11,43,30,696	13,14,31,672	15,56,67,465	18,77,36,548	22,07,53,635.
12. Net Debt per head of population ...	Rs. 49-2-5	Rs. 56-8-1	Rs. 66-14-9	Rs. 80-11-5	Rs. 94-12-7
<i>Expenditure.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Water Works—Maintenance ...	37,79,918	38,87,841	41,06,288	46,48,984	39,98,399
Debt Charges ...	66,57,676	79,86,078	92,42,142	1,12,96,529	1,31,24,193
14. Primary Education ...	1,02,14,754	1,13,00,121	89,59,064	92,48,465	99,05,135
15. Medical Relief ...	63,36,012	71,09,192	78,65,585	74,98,754	80,30,489
16. Other City services ...	3,94,66,563	4,07,51,554	4,22,07,879	4,36,53,457	4,48,62,181
17. Works out of P.W.R. Fund ...	10,90,324	5,04,689	2,97,972	2,520	...
18. Debt Charges—excluding Water Works...	72,87,488	77,40,450	96,06,731	96,58,134	83,48,165
Total Expenditure Rs. ...	7,48,32,735	7,92,79,925	8,22,85,661	8,60,06,843	8,82,68,562

\* As per Census 1951.

\*\* As per Census Authorities subsequently revised figure.

† 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 1955*

Particulars		Total	Particulars		Total
		Rs. a. p.			Rs. a. p.
To Revenue Expenditure as per Appendix No. 4	...	8,82,68,561-11-11	By Revenue Receipts as per Appendix No. 3	...	9,18,99,105-5-10
.. Balance being Surplus for the year	...	36,30,543-9-11			
		9,18,99,105,-5-10			9,18,99,105-5-10
To Contribution towards Improvement Schemes during 1955-56	Rs. a. p. 42,07,800-0-0		By Surplus Revenue Fund as at 1st April 1954	...	1,83,36,773-0-2
.. Revenue Expenditure to be incurred in 1955-56 and provided for as renewed grants	1,08,21,450-0-0		.. Surplus for the year	...	36,30,543-9-11
		1,50,29,250-0-0	.. Revenue of previous year renewed for payment of contribution towards Improvement Schemes during 1954-55	41,05,766 0 0	
.. Balance being Surplus Revenue Fund as at 31st March 1955 as per Appendix No. 5	...	1,71,09,891-10-1	.. Revenue of previous years reserved for the year 1954-55	60,66,059 0 0	1,01,71,825- 0-0
		3,21,39,141-10-1			3,21,39,141-10-1

**T. V. DORAISWAMY,**  
*Chief Accountant.*

**P. R. NAYAK,**  
*Municipal Commissioner.*

02  
Appendix No. 3  
INCOME

Statement showing the Net Receipts during the Financial Year 1954-55 from all sources  
as contrasted with the Original and Revised Budget Estimates

Particulars.	Budget Estimate for 1954-55.	Revised Estimate for 1954-55.	Actuals for 1954-55.	Actuals for 1953-54.	Compared with Budget Estimate.	Compared with Revised Estimate.
					+ Increase - Decrease.	+ Increase - Decrease.
1	2	3	4	5	6	7
<b>1.—General Tax, Indirect Taxation and Miscellaneous Revenue.</b>						
<b>A.—General Tax at 17 per cent.—</b>						
(1) From the Public	3,02,09,824	3,08,28,075	3,18,03,184	2,92,11,199	+ 15,93,360	+ 9,75,109
(2) From Government	6,27,811	7,29,630	2,50,368	3,07,445	- 3,77,443	- 4,79,262
(3) From Port Trust	23,29,793	13,62,635	13,60,882	13,60,882	- 9,68,916	- 1,753
(4) For Improvement Schemes Properties	5,88,055	5,91,650	4,85,878	5,05,963	- 1,02,177	- 1,05,772
(5) From Mills	24,53,058	28,04,135	2,17,243	25,32,036	- 22,35,815	- 25,86,892
(6) From Central Railway	8,63,497	3,42,720	3,42,722	3,42,722	- 5,20,775	+ 2
(7) From Western Railway	Dr. 2,23,028	2,57,480	2,57,478	2,57,556	+ 4,80,506	- 2
	3,68,49,015	3,69,16,325	3,47,17,755	3,45,17,803	- 21,31,260	- 21,98,570
<b>B.—Town Duties—</b>						
(1) Through Port Trust	30,00,000	30,00,000	33,36,829	33,56,292	+ 3,36,829	+ 3,36,829
(2) Through Central Railway	40,00,000	40,00,000	33,68,114	35,89,374	- 6,31,886	- 6,31,886
(3) Through Western Railway	15,00,000	15,00,000	15,26,013	17,10,202	+ 26,013	+ 26,013
(4) Through T.D. Deptt.	7,00,000	7,00,000	7,98,443	6,07,050	+ 98,443	+ 98,443
	92,00,000	92,00,000	a 90,29,399	92,62,918	- 1,70,601	- 1,70,601
Deduct—Refunds and Commission charges	22,00,000	23,00,000	b 15,73,373	19,66,545	- 6,26,627	- 4,26,627
	70,00,000	72,00,000	74,56,026	72,96,373	+ 4,56,026	+ 2,56,026
<b>C.—Other Receipts—</b>						
(a) Grant-in-aid of the fees for Land, Conveyance, Music etc., Licences	9,500	9,500	10,905	13,660	+ 1,405	+ 1,405
(b) Grant-in-aid in respect of fines for offences against the Law...	4,80,000	4,80,000	1,30,393	2,81,699	- 3,49,607	- 3,49,607
(c) Interest and Profit on Investments of Surplus Loan and other Balances	9,50,000	19,55,410	25,43,859	10,06,979	+ 15,93,859	+ 5,88,449
(d) Interest and Profit on Plant and Machinery Depreciation Fund	1,50,000	2,05,380	1,52,269	1,65,923	+ 2,269	- 54,111
<b>(e) Miscellaneous</b>						
(1) Contribution from Municipal servants to wards Pensions etc., Fund	17,000	17,000	16,824	16,649	- 176	- 176
(2) Miscellaneous receipts	3,03,000	2,80,000	5,29,276	2,64,127	+ 2,29,276	+ 2,49,276
(3) Miscellaneous fees	35,000	35,000	43,612	34,666	+ 8,612	+ 8,612
(4) Rent of buildings and lands	1,05,000	1,01,340	1,20,199	93,115	+ 15,199	+ 18,859
	4,57,000	4,33,340	7,09,911	4,08,557	+ 2,52,911	+ 2,76,571
<b>(f) Receipts on account of Municipal Journal</b>						
(1) Advertisement	80,000	36,000	19,683	13,208	- 60,317	- 16,317
(2) Sale of Municipal Journal	27,500	6,000	3,780	...	- 23,720	- 2,220
	1,07,500	42,000	23,463	13,208	- 84,037	- 18,537
	21,54,000	31,26,630	35,70,800	18,90,026	+ 14,16,800	+ 4,44,170
	4,60,03,015	4,72,42,955	4,57,44,581	4,37,04,202	- 2,58,434	- 14,98,374
<b>2.—Water Works.—Water Tax and other Miscellaneous Water Works Revenue—</b>						
<b>A.—Water tax—</b>						
(1) On Ratable Value at 3½ per cent	57,74,953	59,23,825	53,73,757	55,21,988	- 4,01,196	- 5,50,068
(2) By Measurement per 1,000 gallons	1,21,35,814	1,20,26,400	1,26,30,976	1,19,15,628	+ 4,94,162	+ 6,04,576
(3) Compounded Tax	5,68,155	11,97,120	10,93,159	6,27,526	+ 5,25,004	+ 1,03,961
	1,84,79,922	1,91,47,345	1,90,97,892	1,80,65,142	+ 6,17,970	- 49,453
<b>B.—Other Receipts—</b>						
(1) Rent of Water Meters	1,31,000	1,37,285	1,56,895	1,40,669	+ 25,895	+ 19,610
(2) Rent of Buildings and Lands	23,000	23,000	27,919	29,982	+ 4,919	+ 4,919
(3) Miscellaneous Receipts	1,75,000	1,60,000	2,03,031	2,56,083	+ 28,031	+ 43,031
(4) Fees for Water connections	1,20,000	1,11,000	1,09,198	1,12,000	- 10,802	- 1,802
	4,49,000	4,31,285	4,97,043	5,38,734	+ 48,043	+ 65,758
	1,89,28,922	1,95,78,630	1,95,94,935	1,86,03,876	+ 6,66,013	+ 16,305
<b>3.—Education (Primary).†</b>						
<b>4.—Education (Secondary).</b>						
<b>A.—Miscellaneous—</b>						
(1) Miscellaneous receipts	3,500	1,000	3,607	1,738	+ 107	+ 2,607
<b>5.—Public Health Department.</b>						
A.—Interest realised on Donations	75	75	75	75	...	...
<b>B.—Miscellaneous—</b>						
(1) Miscellaneous receipts	12,000	13,500	29,457	30,156	+ 17,457	+ 15,957
(2) Miscellaneous fees	1,80,000	1,91,000	1,78,271	1,85,264	- 1,729	- 12,729
(3) Rent of Buildings and Lands	1,00,000	96,650	96,740	98,632	+ 3,260	+ 90
(4) Sale of rights	1,000	1,590	1,745	1,440	+ 745	+ 155
(5) Receipts from the Mshatma Gandhi Memorial Olympic Swimming Pool	20,000	8,000	...	...	- 20,000	- 8,000
	3,13,000	3,10,740	3,06,213	3,15,492	- 6,787	- 4,527
<b>C.—Grant-in-aid from Government for the duty free supply of Spirituous Medical Preparations for the use of Hospitals and Dispensaries</b>						
	5,400	5,340	5,363	2,927	- 37	+ 23
<b>D.—Tax on Dogs</b>						
	42,000	41,530	40,501	41,180	- 1,49	- 1,029
	3,60,475	3,57,685	3,52,152	3,59,674	- 8	- 5,533
Carried forward Rs.	6,52,95,912	6,71,80,270	6,56,95,275	6,26,69,490	+ 3,99,36	- 14,84,995

(a) These are net receipts after deducting Commission charges amounting to Rs. 2,80,619.  
(b) This is exclusive of Commission charges amounting to Rs. 2,80,619.

## Appendix No. 3—(Contd.)

## INCOME

Statement showing the Net Receipts during the Financial year 1954-55 from all sources as contrasted with the Original and Revised Budget Estimates

Particulars.	Budget Estimate for 1954-55.	Revised Estimate for 1954-55.	Actuals for 1954-55.	Actuals for 1953-54.	Compared with Budget Estimate.		Compared with Revised Estimate.	
					+ Increase - Decrease	Rs.	+ Increase - Decrease	Rs.
	2	3	4	5	6	7	8	9
Brought over	Rs. 6,52,95,912	Rs. 6,71,80,270	Rs. 6,56,95,275	Rs. 6,26,69,490	+ 3,99,363	Rs.	-14,84,995	Rs.
<b>6.—Medical Relief and Education.</b>	6,500	4,300	4,290	7,124	- 2,210		10	
A.—Interest realised on donations from the Public								
B.—Miscellaneous—								
(1) Miscellaneous receipts	9,500	9,500	13,396	14,104	+ 3,896		3,896	
(2) Miscellaneous fees	9,000	8,000	11,295	7,019	+ 2,295		3,255	
(3) Rent of Buildings and Lands	3,700	3,800	2,473	3,916	- 1,227		1,327	
	22,200	21,300	27,164	25,039	+ 4,964		5,864	
C.—Receipts from Gordhandas Sunderdas Medical College	1,89,510	1,97,895	2,01,119	2,12,335	+ 12,609		3,224	
D.—Receipts from King Edward Memorial Hospital	25,660	25,940	35,374	21,052	+ 9,714		9,434	
E.—Interest realised on Hospital Fund (for Veneral Ward at King Edward Memorial Hospital)	55,000	72,420	64,431	58,616	+ 9,431		7,989	
F.—Interest on K. E. M. Hospital and G. S. Medical College Equipment Fund	6,500	8,360	8,328	7,078	+ 1,828		32	
FF.—Interest realised on the Donation from the Establishment of Blood Bank at K. E. M. Hospital	1,158	1,158	1,156	8,130	- 2		2	
G.—Grant-in-aid from Government in respect of Excise Duty etc., for spirituous articles	30,000	30,600	19,926	16,511	- 10,074		10,074	
H.—Receipts from—								
(a) The Topiwalla National Medical College	1,24,890	1,29,900	1,23,773	1,21,322	- 1,117		6,127	
(b) Nair Hospital Dental College	80,040	81,780	79,843	73,226	- 197		1,937	
(c) Bai Yamunabai L. Nair Hospital	6,510	8,650	7,510	10,314	+ 1,000		1,140	
(d) Grant-in-aid from Government for the T.N.M. College	2,06,030	2,01,700	2,01,704	2,18,378	- 4,326		4	
	4,17,470	4,22,030	4,12,830	4,23,240	- 4,640		9,200	
I.—Receipts from M. G. H. Sion	79,505	84,765	1,00,440	1,21,106	+ 20,935		15,675	
	8,32,503	8,68,168	8,75,058	9,00,231	+ 42,555		6,890	
<b>7.—Street Cleansing and Conservancy, Road Watering and Halalkhore service.</b>								
A.—Halalkhore Tax—at 3 per cent.								
(1) On Ratable Value	62,63,990	64,17,405	61,01,302	59,10,664	- 1,62,688		3,16,103	
(2) For Special Service	3,56,200	3,80,425	3,54,915	3,64,610	- 1,285		25,510	
	66,20,190	67,97,830	64,56,217	62,75,274	- 1,63,973		3,41,613	
B.—Other Receipt								
(1) Sale of Rights	80,000	75,000	60,054	70,408	- 19,946		14,946	
(2) Miscellaneous receipts	40,000	50,000	1,05,709	79,886	+ 65,709		55,709	
(3) Miscellaneous fees	50,000	80,000	71,655	94,169	+ 21,655		8,345	
(4) Rent of Buildings and Lands	12,000	30,000	38,382	31,520	+ 26,382		8,382	
	1,82,000	2,35,000	2,75,800	2,75,983	+ 93,800		40,800	
	68,02,190	70,32,830	67,32,017	65,51,257	- 70,173		3,00,813	
<b>8.—Roads, S. W. Drains and Public Lighting.</b>								
A.—Wheel Tax								
(1) Private conveyances	39,00,000	39,93,065	39,12,492	38,54,262	+ 12,492		80,573	
(2) Public conveyances	2,08,000	1,49,000	1,51,610	2,58,725	- 56,390		2,610	
	41,08,000	41,42,065	40,64,102	41,12,987	- 43,898		77,963	
B.—Contribution from Government in lieu of Tolls	25,000	25,000	25,000	25,000	...		...	
C.—Other Receipts.								
(a)—Ground Rent—								
(1) From Private Parties	34,190	36,000	30,526	33,373	- 3,664		5,474	
(b)—Miscellaneous—								
(1) Miscellaneous receipts	3,30,000	2,80,000	3,03,881	2,68,145	- 26,119		23,881	
(2) Miscellaneous fees	1,20,000	1,00,000	78,473	96,287	- 41,527		21,527	
(3) Rent of Buildings and Lands	1,06,310	1,10,000	1,19,260	1,17,425	+ 12,950		9,260	
	5,56,310	4,90,000	5,01,614	4,81,857	- 54,696		11,614	
(c)—Interest realised on donations	2,000	1,922	1,917	1,902	- 83		5	
	47,25,500	46,94,987	46,23,159	46,55,119	- 1,02,341		71,828	
<b>9.—Mechanical.</b>								
A.—Miscellaneous—								
(1) Miscellaneous receipts	1,41,050	1,72,050	2,37,017	2,87,453	+ 95,967		64,967	
<b>10.—Buildings, Land Acquisition and Management.</b>								
A.—Sale proceeds of Surplus Land	1,50,000	2,00,000	4,28,822	2,58,481	+ 2,78,822		2,28,822	
B.—Other Receipts—								
(a)—Rent of Buildings	42,460	43,160	52,055	40,410	+ 9,575		8,895	
(b)—Ground Rent	2,67,130	3,05,380	3,12,540	2,48,029	+ 45,410		7,160	
(c)—Miscellaneous—								
(1) Miscellaneous Receipts	30,000	12,000	17,219	11,364	- 12,781		5,219	
(2) Miscellaneous Fees	5,00,000	4,50,000	5,92,149	5,18,544	+ 92,149		1,42,149	
	5,30,000	4,62,000	6,09,368	5,29,908	+ 79,368		1,47,368	
	9,89,590	10,10,540	14,02,785	10,76,828	+ 4,13,195		3,92,245	
Carried forward Rs.	7,87,86,745	8,09,58,845	7,95,65,311	7,61,40,378	+ 7,78,566		-13,93,534	

## Appendix No. 3—(Concl'd.)

## INCOME

Statement showing the Net Receipts during the financial year 1954-55 from all sources as contrasted with the Original and Revised Budget Estimates

Particulars.	Budget Estimate for 1954-55.	Revised Estimate for 1954-55.	Actuals for 1954-55.	Actuals for 1953-54.	Compared with Budget Estimate		Compared with revised Estimates	
					+ Increase - Decrease	+ Increase - Decrease	+ Increase - Decrease	+ Increase - Decrease
1	2	3	4	5	6	7	8	9
Brought over	Rs. 7,87,86,745	Rs. 8,09,58,845	Rs. 7,95,65,311	Rs. 7,61,40,378	+ 7,78,566	- 13,93,534		
<b>11.—Fire Brigade.</b>								
A.—Fire Tax at $\frac{3}{4}$ per cent.—								
(1) From the Public	13,32,876	13,60,145	14,13,394	13,10,294	+ 80,518	+ 53,249		
(2) From Government	27,699	32,190	11,046	13,564	- 16,653	- 21,144		
(3) From Port Trust	1,02,792	60,120	61,875	61,875	- 40,917	+ 1,755		
(4) For Improvement Schemes Properties	25,945	26,105	21,148	21,289	- 4,797	- 4,957		
(5) From Mills	1,08,230	1,23,700	9,293	1,11,693	- 98,937	- 1,14,407		
(6) From Central Railway	38,098	15,120	15,121	15,121	- 22,977	+ 1		
(7) From Western Railway	Dr. 9,840	11,360	11,360	11,363	+ 21,200	...		
	16,25,800	16,28,740	15,43,237	15,45,199	- 82,563	- 85,503		
B.—Other Receipts	25,000	25,000	30,242	15,093	+ 5,242	+ 5,242		
(1) Miscellaneous receipts	16,50,800	16,53,740	15,73,479	15,60,292	- 77,321	- 80,261		
<b>12.—Licensing, Removal of Encroachments on Public Streets, administration of Shops &amp; Est. Act 1948 and Theatre Tax</b>								
A.—Licence for Dangerous and Offensive Trades	9,00,000	8,34,000	10,70,223	10,77,005	+ 1,70,223	+ 2,36,223		
B.—Removal of encroachment on Public Streets—								
(a) Licences for Squatters and Hawkers and fees for Removal of Encroachments	5,60,000	5,52,100	6,08,486	5,72,872	+ 48,486	+ 56,386		
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	90,000	1,27,480	1,27,481	86,170	+ 37,481	+ 1		
(b) Registration etc., fees	10,000	12,000	13,909	13,501	+ 3,909	+ 1,909		
(c) Miscellaneous Receipts.	1,000	1,200	1,764	1,554	+ 764	+ 564		
	1,01,000	1,40,680	1,43,154	1,01,225	+ 42,154	+ 2,474		
D.—Miscellaneous—								
(1) Miscellaneous receipts	1,000	1,480	2,788	2,658	+ 1,788	+ 1,308		
(2) Fees for Advertisements	2,60,000	3,00,000	3,43,201	5,00,070	+ 83,201	+ 43,20		
	2,61,000	3,01,480	3,45,989	5,02,728	+ 84,989	+ 44,509		
E.—Receipts from the Theatre Tax	4,20,000	4,80,000	5,39,360	4,90,899	+ 1,19,360	+ 59,360		
	22,42,000	23,08,260	27,07,212	27,44,729	+ 4,65,212	+ 3,98,952		
<b>13.—Gardens and Open Spaces.</b>								
A.—Miscellaneous—								
(1) Miscellaneous receipts	7,500	7,370	6,127	8,466	- 1,373	- 1,243		
(2) Rent of Buildings and Lands	1,17,000	2,04,750	2,07,605	61,838	+ 90,605	+ 2,855		
	1,24,500	2,12,120	2,13,732	70,304	+ 89,232	+ 1,612		
<b>14.—Markets and Slaughter Houses.</b>								
A.—Miscellaneous—								
(1) Stallage charges	10,50,000	10,50,000	10,72,551	10,76,947	+ 22,551	+ 22,551		
(2) Squatters, fees	8,04,000	8,08,000	8,75,267	8,59,581	+ 71,267	+ 67,267		
(3) Fair ground and feeding fees	3,15,000	3,15,000	3,79,931	3,37,632	+ 64,931	+ 64,931		
(4) Slaughter fees	5,70,000	5,70,000	5,66,313	6,04,182	- 3,687	- 3,687		
(5) Miscellaneous receipts	4,85,000	5,40,000	6,70,093	5,75,191	+ 1,85,093	+ 1,30,093		
(6) Rent of Buildings and Lands	45,000	30,000	32,358	35,035	- 12,642	+ 2,358		
(7) Cold Storage fees	52,000	52,000	54,441	52,250	+ 2,441	+ 2,441		
(8) License fees from Private Markets Owners	83,400	86,400	76,972	90,785	- 6,428	- 9,428		
	34,04,400	34,51,400	37,27,926	36,31,603	+ 3,23,526	+ 2,76,526		
<b>15.—Contribution from Capital Funds to Revenue on account of Loan Works Staff...</b>	2,20,000	3,00,000	2,38,043	1,96,636	+ 18,043	- 61,957		
<b>16.—Extraordinary Receipts.</b>								
(a) Interest on Net Premia Fund and Excess Interest on Sinking Fund	1,60,000	2,27,000	2,38,321	1,84,777	+ 78,321	+ 11,321		
<b>17.—Rebate from Government on account of Collection of the Urban Immovable Property Tax in the City</b>	1,92,782	1,92,180	1,95,257	1,75,232	+ 2,475	+ 3,077		
<b>18.—Transfers from the B. E. S. &amp; T. Fund.</b>								
(a) Under section 460 K.K. (2) (b) of the Municipal Act	34,00,000	34,00,000	34,00,000	31,00,000	...	...		
(b) Under section 460 L.L. (1) (d) of the Municipal Act	27,950	39,824	39,824	10,914	+ 11,874	...		
	34,27,950	34,39,824	34,39,824	31,10,914	+ 11,874	...		
<b>Total Income</b>	9,02,09,177	9,27,43,369	9,18,99,105	8,78,14,865	+ 16,89,928	- 8,44,264		

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 1954-55.*

Particulars.  1	Final grants sanctioned for expenditure during 1954-55.  2	Actuals for 1954-55.  3	FINAL GRANTS COMPARED WITH THE ACTUALS		Actual for 1953-54.  6
			Amount required to be renewed in 1955-56  4	Savings.  5	
<b>I.—General Supervision, Collection of Revenue, etc.</b>	Rs.	Rs.	Rs.	Rs.	Rs.
A.—General Superintendence					
(a) Corporation and Standing Committee	3,78,172	3,50,297	20,812	7,063	3,89,138
(b) Chief Auditor's Establishment	1,47,566	1,38,676	250	8,640	1,40,142
(c) Municipal Commissioner's Personal and General Office	3,64,656	3,19,878	29,057	15,721	3,11,749
(d) Audit and Accounts Estt.	6,48,553	6,15,061	5,988	27,504	6,09,943
(e) Labour Officer's Establishment	24,219	20,811	1,160	2,248	21,862
(f) Ward Officer's Establishment	30,759	27,536	6	3,217	28,945
(g) Municipal Journal	1,03,830	61,591	14,577	27,662	17,790
	16,97,755	15,33,850	71,850	92,055	15,19,569
B.—Collection of Revenue—					
(a) Property and Wheel Tax Establishment	11,40,173	10,49,957	27,239	62,977	10,03,687
(b) Town Duty Establishment	3,14,319	2,75,490	10,773	28,056	2,91,749
	14,54,492	13,25,447	38,012	91,033	12,95,436
C.—Upkeep of Municipal Head Office	1,37,846	88,006	25,609	24,231	74,870
D.—General Stores	1,84,443	1,61,900	16,312	6,231	1,53,685
E.—Miscellaneous Charges	3,83,589	2,65,312	98,678	19,599	3,19,562
F.—Election Expenses	85,451	27,169	13,464	44,818	7,513
G.—New Works	17,725	217	17,508	...	21,095
H.—Debt Charges	1,49,832	1,31,034	3,850	14,948	1,38,814
	41,11,133	35,32,935	2,85,283	2,92,915	35,30,544
Deduct—Proportion of General Superintendence chargeable to Water Works, Fire Brigade, Markets and Improvement Schemes Account and Education Fund Account	9,83,057	8,71,361	51,968	59,728	9,14,200
	31,28,076	26,61,574	2,33,315	2,33,187	26,16,344
<b>II.—Water Works.</b>					
A.—Maintenance	30,19,883	23,04,047	5,53,538	1,62,298	26,77,264
B.—Income Tax on income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction	60,000	Cr. 12,326	...	77,326	1,83,039
C.—Provident Fund and Pensions etc., charges	2,56,500	2,19,702	500	36,298	2,23,158
D.—Proportion of General Supervision and Collection of Revenue etc.	6,00,441	5,17,134	35,439	47,868	5,51,271
E.—Dearness Allowance	9,30,673	9,12,493	3,324	14,856	9,50,031
F.—New Works	1,07,626	57,349	48,238	2,039	64,221
G.—Debt Charges	1,42,72,616	1,31,24,193	3,55,763	7,92,660	1,12,96,529
	1,92,47,739	1,71,22,592	9,96,802	11,28,345	1,59,45,513
<b>III.—Education (Primary).</b>		Shown	under	XV(c).	
<b>IV.—Education (Secondary).</b>					
A.—Victoria and Albert Museum	51,743	29,165	19,821	2,756	2,9272
B.—Municipal Free Reading Rooms and Libraries	64,049	49,852	4,500	9,697	46,537
C.—Debt Charges	1,179	1,176	...	3	1,175
	1,16,971	80,194	24,321	12,456	76,984
<b>V.—Public Health Department.</b>					
A.—General Superintendence—					
(a) General Supervision	10,23,216	8,86,951	25,590	1,10,675	9,33,226
(b) Epidemics	2,76,684	1,79,431	2,385	94,868	3,24,882
(c) Vaccination	2,89,031	2,10,119	59,372	19,540	1,47,631
(d) Malaria	6,05,444	4,67,036	29,237	1,09,171	2,73,898
(e) Miscellaneous	3,78,362	2,23,704	94,520	60,138	2,99,301
(f) Propaganda for Public Health	88,084	65,369	11,799	10,916	68,815
(g) Licensing of Dogs	39,572	31,303	2,160	6,109	29,376
	27,00,393	20,63,913	2,25,063	4,11,417	20,77,129
B.—Supply of Milk to undernourished needy Children attending Municipal Schools	13,48,937	8,86,989	3,89,243	72,705	7,23,576
C.—New Works	25,324	12,222	11,502	1,600	5,190
D.—Debt Charges	6,47,300	5,81,053	38,822	27,425	7,98,412
—Expenditure other than Establishment in connection with Re-organisation Scheme	35,231	35,231	...	...	...
—Census of 1951	5,000	...	...	5,000	1,870
	47,62,185	35,79,408	6,64,630	5,18,147	36,06,177
Carried over Rs.	2,72,54,971	2,34,43,768	19,19,068	18,92,135	2,22,45,018



## Appendix No. 4—(Contd.)

## EXPENDITURE

Particulars.	Final grants sanctioned for expenditure during 1954-55.	Actuals for 1954-55.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1953-54.
			Amount required to be renewed in 1955-56.	Savings.	
1	2	3	4	5	6
Brought forward Rs. ...	Rs. 2,72,54,971	Rs. 2,34,43,768	Rs. 19,19,068	Rs. 18,92,135	Rs. 2,22,45,018
<b>VI.—Medical Relief and Education.</b>					
<b>A.—Hospitals and Maternity Homes—</b>					
(a) King Edward Memorial Hospital	25,47,208	22,51,325	1,64,382	1,31,501	22,15,439
(b) Municipal General Hospital, Sion	17,65,602	15,11,167	1,99,321	55,114	12,00,997
(c) B.Y.L. Nair Charitable Hospital	13,03,557	10,73,546	1,42,207	87,804	10,49,293
(d) Infectious Diseases Hospitals	23,36,062	19,57,864	1,66,644	2,11,554	18,22,198
(e) Maternity Homes	3,33,981	2,86,245	22,050	25,686	2,87,996
(f) Maternity & Children Welfare Service	65,792	47,448	10,079	8,265	28,348
	83,52,202	71,27,595	7,04,683	5,19,924	66,04,271
<b>B.—Dispensaries—</b>					
(a) Dispensaries for out-patients	3,00,746	2,34,829	21,241	44,676	2,47,384
(b) Dispensary for combating Venereal Diseases	88,629	80,342	4,550	3,737	79,007
(c) Mobile Dispensaries in the City	19,954	19,862	54	38	19,789
	4,09,329	3,35,033	25,845	48,451	3,46,180
<b>C.—Medical and Nursing Assistance to Poor People in their Homes</b>					
	1,325	1,143	90	92	1,062
<b>D.—Family Planning Clinics</b>					
	33,671	22,505	6,100	5,066	24,870
<b>E.—Medical Education—</b>					
(a) Gordhandas Sunderdas Medical College	5,56,115	4,25,006	94,070	37,039	4,39,399
(b) Topiwalla National Medical College	4,79,840	3,48,373	1,14,922	16,545	3,73,528
(c) Nair Hospital dental College	2,94,415	2,00,009	62,184	32,222	1,64,669
	13,30,370	9,73,388	2,71,176	85,806	9,77,596
<b>F.—Statutory Contribution to Government Medical Institutions</b>					
	4,14,500	4,14,500	...	...	4,14,500
<b>G.—Clinic for treatment of Leprosy Cases</b>					
	82,329	61,660	18,430	2,239	71,430
<b>H.—New Works</b>					
	1,97,997	69,053	1,10,305	19,639	36,441
<b>I.—Debt Charges</b>					
	7,27,617	6,02,340	9,069	1,16,208	6,15,967
<b>J.—Providing a convalescent home of 120 beds with equipment and Staff quarters at Parel</b>					
	6,00,000	...	6,00,000	...	...
<b>—Works to be carried out from the amount transferred out of the P.W.R. Fund.</b>					
	...	...	...	...	2,520
	1,21,49,340	96,06,217	17,45,638	7,97,425	90,94,837
<b>VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service.</b>					
<b>A.—Street Cleansing and Conservancy—</b>					
(a) Superintendence and Inspection	5,75,464	5,02,990	22,055	50,419	4,94,225
(b) Veterinary	51,357	41,877	5,490	3,970	45,389
(c) Gully Flushing	2,21,735	1,88,657	20,350	12,728	2,26,110
	8,48,556	7,33,524	47,895	67,137	7,65,724
<b>B.—Collection, Loading, Removal and Disposal of Town Refuse—</b>					
<b>(i) Collection of Town Refuse—</b>					
(a) Scavenging	26,85,056	24,96,192	1,31,185	57,679	25,20,844
(b) Road Scraping and Road watering	1,87,240	1,64,823	14,250	8,167	1,72,947
<b>(ii) Removal of Town Refuse to Mahalaxmi Siding—</b>					
(a) Bullock Traction	3,30,354	2,23,554	49,339	57,411	3,51,497
(b) Motor Traction	8,18,413	7,05,352	68,066	44,995	7,10,699
<b>(iii) Loading of Refuse at Mahalaxmi Siding for Transport to Deonar</b>					
	21,96,686	16,26,247	5,37,217	33,222	13,23,436
<b>(iv) Disposal of Town Refuse—</b>					
(a) Incineration	...	...	...	...	235
(b) Transport of Refuse from Mahalaxmi Siding to Deonar by Train	11,16,388	4,19,474	6,54,040	42,874	7,24,827
	73,34,137	56,35,642	14,54,147	2,44,348	58,04,485
<b>C.—Road Watering</b>					
	4,700	1,518	1,500	1,682	2,656
<b>D.—Halalkhore Service—</b>					
(a) Cleansing and Sanitation	11,58,647	8,82,407	1,95,946	80,294	8,52,826
<b>(b) Transport—</b>					
(1) Bullock Traction	64,485	37,436	14,725	12,324	73,170
(2) Motor Traction	77,160	56,803	15,030	5,327	67,910
<b>(c) Pumping Compressor Stations, Purification Works and Flood Gates</b>					
(a) Inspection and Supervision	45,071	39,309	556	5,206	43,581
(b) Pumping Stations	6,60,764	4,67,381	1,23,183	70,200	4,37,991
(c) Compressor Stations and Flood Gates	3,51,992	2,20,730	87,718	43,544	2,36,462
(d) Purification Works	3,75,111	2,77,163	79,282	18,666	2,68,363
(d) Cleansing of Sewers, Street Connections and House Drains	14,81,405	10,15,440	2,17,835	2,48,130	9,55,044
(e) Provident Fund, Pensions etc., charges	2,82,816	2,75,449	200	7,167	1,63,581
(f) Dearness Allowance.	17,47,808	15,35,535	21,544	1,90,729	15,33,309
(g) Proportionate cost on account of Collection charges of Halalkhore Tax, Supervision charges on Halalkhore Service & Cost of Water used for flushing Gullies, Privies etc.	2,42,933	1,93,242	860	48,831	1,78,183
	64,88,192	50,00,895	7,56,879	7,30,418	48,10,420
<b>E.—New Works—</b>					
	25,55,124	25,362	25,18,627	11,135	1,06,844
<b>F.—Debt Charges</b>					
	30,04,808	26,29,872	41,382	3,33,554	22,49,329
	2,02,35,517	1,40,26,813	48,20,430	13,88,274	1,37,39,458
Carried over Rs. ...	5,96,39,828	4,70,76,798	84,85,196	40,77,834	4,50,79,313

## Appendix No. 4—(Contd.)

## EXPENDITURE

Particulars.	Final grants sanctioned for expenditure during 1954-55.	Actuals for 1954-55.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1953-54.
			Amount required to be renewed 1955-56.	Savings.	
1	2	3	4	5	6
Brought forward	Rs. 5,96,39,828	Rs. 4,70,76,798	Rs. 84,85,196	Rs. 40,77,834	Rs. 4,50,79,313
<b>VIII.—Roads, S. W. Drains and Public Lighting.</b>					
A.—General	3,27,510	2,59,644	12,142	55,724	2,58,491
B.—Maintenance of Roads	33,27,531	24,82,884	5,55,971	2,88,676	15,63,165
C.—Public Lighting	26,01,634	22,16,792	2,75,419	1,09,423	23,02,955
D.—Maintenance of S. W. Drains	50,564	44,658	3,342	2,564	45,816
E.—Rebate on account of the compounded Wheel Tax	25,409	18,976	...	6,433	25,600
F.—New Works	59,268	21,550	28,671	9,047	19,460
G.—Debt Charges	32,20,239	29,70,800	49,327	2,00,112	30,41,013
	96,12,155	80,15,304	9,24,872	6,71,979	72,56,500
<b>IX.—Mechanical.</b>					
A.—Mechanical Engineer's Office Establishment—					
(a) M. E.'s Office Establishment	2,97,681	2,02,276	75,571	19,834	2,65,990
(b) Transport	58,192	51,627	3,414	3,151	44,093
	3,55,873	2,53,903	78,935	22,985	3,10,083
B.—Supervision of Factories, Workshops and Work places	9,146	6,694	160	2,292	6,492
C.—New Works	8,383	5,679	2,704	...	123
D.—Debt Charges	2,16,311	1,91,444	574	24,293	2,06,232
	5,89,713	4,57,720	82,423	49,570	5,22,930
<b>X.—Buildings, Land Acquisition and Management.</b>					
A.—City Engineer's Central Office Establishment	1,85,001	1,55,207	6,509	23,285	1,55,190
B.—Inspection and Supervision of Private Buildings	5,57,318	4,56,356	6,142	94,820	4,45,092
C.—Removal of Stall-boards in the City	4,311	3,369	877	65	3,204
D.—Architectural	1,78,662	1,45,729	1,125	31,808	1,38,400
E.—Land Acquisition and Management	3,01,307	2,70,425	16,424	14,458	2,26,940
	12,26,599	10,31,086	31,077	1,64,436	9,68,826
Deduct—Proportionate share of cost of Establishment, and Supervision chargeable to Improvement Schemes Account	1,21,792	50,148	...	71,644	63,575
	11,04,807	9,80,938	31,077	92,792	9,05,251
New Works	2,851	626	2,225	...	567
F.—Debt Charges	7,57,367	6,97,487	20,882	38,998	20,18,405
	18,65,025	16,79,051	54,184	1,31,790	29,24,223
<b>XI.—Fire Brigade.</b>					
A.—Maintenance	9,05,709	8,11,587	65,276	28,846	8,75,242
B.—Provident Fund and Pensions, etc., charges	1,82,885	1,45,989	23,000	13,896	1,55,888
C.—Proportion of General Supervision and Collection of Revenue	49,137	42,287	2,863	3,987	45,106
D.—Dearness Allowance	2,40,041	2,24,737	100	15,204	2,32,641
E.—New Works	31,982	13,469	17,823	690	38,415
F.—Debt Charges	2,08,209	1,82,892	4,211	21,106	2,14,335
	16,17,963	14,20,961	1,13,273	83,729	15,61,627
<b>XII.—Licensing, Removal of Encroachments on Public Streets and Administration of Shops and Estt. Act 1948 and Theatre Tax</b>					
A.—Licensing Establishment	2,31,757	2,04,976	4,307	22,474	2,10,172
B.—Removal of Encroachments on Public Streets	1,87,253	1,43,935	6,209	37,109	1,62,773
C.—Administration of Shops and Establishment Act 1948	1,52,183	1,40,468	955	10,760	1,48,090
D.—Administration of Theatre Tax	13,347	12,647	...	700	11,339
E.—New Works	1,743	143	1,600	...	6,970
F.—Debt Charges	9,591	1,752	...	7,839	3,355
	5,95,874	5,03,921	13,071	78,882	5,42,749
Carried over Rs.	7,39,20,558	5,91,53,755	96,73,019	50,93,784	5,78,87,342

## Appendix No. 4—(Concl.)

## EXPENDITURE

Particulars.	Final grants sanctioned for expenditure during 1954-55.	Actuals for 1954-55.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1953-54.
			Amount required to be renewed in 1955-56.	Savings.	
	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Rs. ...	7,39,20,558	5,91,53,755	96,73,019	50,93,784	5,78,87,342
<b>XIII.—Gardens and Open Spaces.</b>					
A.—Gardens—					
(a) Victoria Gardens ...	3,79,571	3,20,381	47,725	11,465	3,32,854
(b) Miscellaneous Gardens, Open Spaces, Band Stands, etc. ...	1,73,156	1,55,413	14,440	3,343	1,63,200
	5,52,767	4,75,794	62,165	14,803	4,96,054
B.—New Gardens, Recreation Grounds, etc. ...	31,517	12,947	17,225	1,345	16,178
C.—Roadside Trees & Benches ...	52,283	36,793	15,070	420	37,868
D.—New Works ...	85,818	31,267	44,903	9,648	40,331
E.—Debt Charges ...	1,36,306	1,35,074	448	784	1,68,172
	8,58,691	6,91,875	1,39,811	27,005	7,58,603
<b>XIV.—Markets and Slaughter Houses.</b>					
A.—Markets and Slaughter Houses—					
(a) Central Office ...	78,009	70,127	84	7,798	67,952
(b) Municipal Markets ...	5,85,024	4,31,962	1,03,792	49,270	4,52,239
(c) Slaughter Houses ...	6,02,720	3,94,958	1,17,854	89,908	4,68,217
(d) Private Markets ...	35,670	32,048	300	3,322	30,905
(e) Refrigerator at A. C. Market ...	31,751	19,581	3,528	8,642	19,365
	13,33,174	9,48,676	2,25,558	1,58,940	10,38,678
B.—Provident Fund and Pensions, etc., charges ...	65,500	60,716	500	5,284	67,100
C.—Proportion of General Supervision ...	54,108	48,414	5,472	222	50,005
D.—Dearness Allowance ...	3,40,135	3,19,696	700	19,739	3,31,939
E.—New Works ...	75,280	21,165	53,921	194	18,900
F.—Debt Charges ...	2,50,488	2,23,241	3,639	23,608	2,02,925
	21,19,685	16,21,908	2,89,790	2,07,987	17,09,547
<b>XV.—Contribution to—</b>					
(a)—Budget 'B' under Sec. 125 (2)(d) of the B.M.C. Act. ...	41,05,766	39,62,054	...	1,43,712	36,99,386
(b)—Budget 'D' under Sec. 123 (B) (2) of the B.M.C. Act. ...	13,71,095	13,71,095	...	...	13,14,471
(c)—Budget 'E' under Sec. 126 (C)(c) of the B.M.C. Act. ...	1,02,64,415	99,05,135	...	3,59,280	92,48,465
	1,57,41,276	1,52,38,284	...	5,02,992	1,42,62,322
<b>XVI.—Miscellaneous</b>					
A.—Provident Fund, Pensions, Gratuities and Compassionate Allowances					
(a)—Provident Fund ...	15,90,462	15,76,412	...	14,050	13,74,119
(b)—Pensions, Gratuities, etc. ...	5,46,100	4,70,728	10,800	64,572	5,02,939
	21,35,562	20,47,140	10,800	78,622	18,77,058
B.—Urban Immovable Property Tax on Municipal Properties in the City ...	1,42,714	6,711	68,289	67,714	8,780
C.—Dearness Allowances ...	92,56,577	86,04,407	59,588	5,92,582	84,99,621
D.—Grants-in-aid to Public Institutions—					
(a) Obligatory ...	9,31,927	6,70,066	2,48,674	13,187	6,05,668
(b) Discretionary ...	4,88,180	2,35,469	2,51,479	1,232	2,71,993
	14,20,107	9,05,535	5,00,153	14,419	8,77,661
E.—Rent of Buildings requisitioned for housing Municipal employees of essential services since derequisitioned by Government owing to close of Civil Defence measures ...	1,73,130	cr. 1,053	80,000	94,183	50,594
Damage caused by the Cyclone of 1948 ...	...	...	...	...	75,315
	1,31,29,090	1,15,62,740	7,18,830	8,47,520	1,13,89,029
Total ...	10,57,69,300	8,82,68,562	1,08,21,450	66,79,288	8,60,06,843

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 1953-54 and 1954-55.

	Expenditure upto 31-3-1954	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
	Rs.	Rs.	Rs.
<b>I.—General Supervision, Collection of Revenue, etc.</b>			
Works completed (as per Report for 1953-54) ... ..	77,145	...	77,145
Providing Electric lighting arrangement at Town Duty Chowky at Jogeshwari ... ..	147	217	364
Total, I.—General, etc. ... ..	77,292	217	77,509
<b>II.—Water Works</b>			
Works completed (as per Report for 1953-54) ... ..	1,63,194	...	1,63,194
Providing dirt boxes on distributory water mains in the 'F' Ward ... ..	4,187	4,041	8,228
Garage for motor lorries of Loan Works Branch ... ..	3,098	284	3,382
Providing 30" Sluice valves with spurgear arrangement at Marine Drive ... ..	4,894	397	5,291
Construction of an Office and Store room for Inspectors, A, B and C Wards of Maintenance Branch at Babula Tank ... ..	5,879	1,505	7,384
Providing Children's Park at Vehar Lake ... ..	11,239	54	11,293
Providing an additional storey above Carpentry Section at Maintenance Workshop ... ..	8,090	48	8,138
Providing a garage and driver's quarters at F Ward ... ..	2,383	736	3,119
Replacing the existing powerline at Maintenance Workshop ... ..	1,168	1,614	2,782
Purchase of indicators showing rate of flow and loss of head for Rapid filters at Tulsi Lake... ..	2,364	160	2,524
Renovating the tin shed at G ward office compound ... ..	7,885	16	7,901
Construction of two ammonia sulphate tanks at Tulsi chlorination Plant ... ..	...	653	653
Providing electric lights and plugs in the extension of the new control room at M. H. R. ... ..	...	536	536
Providing Screens at syphon head chawkies along the duct line ... ..	...	1,134	1,134
Construction of the welfare centre Hall at Ghatkopar cross connection ... ..	...	3,128	3,128
Providing new 24" cross connection immediately upstream off Bandra Anchor Block between 57" East and West Tansa Mains ... ..	...	667	667
Providing and erecting a travelling crane for B. H. R. ... ..	...	306	306
Laying a 3" main from 24" Tulsi main to the Vehar Garden ... ..	...	1	1
Purchase and replacement of 275 H.P. Booster pumps at Bhandarwada Hill Reservoir ... ..	...	42,069	42,069
Total II.—Water Works ... ..	2,14,381	57,349	2,71,730
<b>V.—Public Health Department</b>			
Works completed (as per Report for 1953-54) ... ..	53,805	...	53,805
Addition and alterations in the head office Municipal building on the ground floor for expansion of Municipal Laboratory as under (3) Providing gas fitting ... ..	...	439	439
Providing a C. I. sheet screen wall to the east of the burning shed at the Hindu cemetery No. 45 Mahim ... ..	...	601	601
Providing electric lights in the Dogs kennels at Mahalaxmi siding ... ..	...	321	321
Providing electric lights at Mahomedan cemetery Vicotia Road, Narielwadi ... ..	...	101	101
Providing one Red light at the entrance and two lights on the burial ground at Sion Hindu Cemetery ... ..	...	1,505	1,505
Installation of mercury lamps in the Cemetery No. 45 Cadell Road ... ..	...	7,447	7,447
Construction of a dark room for photographic work on the Terrace of bullock Hospital Building at 10th Kamathipura Street ... ..	...	853	853
Providing a wooden staircase in the Improvements Trust buildings extension in place of spiral iron stair case ... ..	...	855	855
Providing urinal stall in existing water closet on the ground floor of the central vaccination ... ..	...	100	100
Total V.—Public Health Deptt. ... ..	53,805	12,222	66,027
Total—Carried forward ... ..	3,45,478	69,788	4,15,266

## APPENDIX No. 4A—(contd.)

	Expenditure upto 31-3-1954	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
	Rs.	Rs.	Rs.
Total—Brought over ...	3,45,478	69,788	4,15,266
<b>VI—Medical, Relief and Education.</b>			
Works completed (as per Report for 1953-54) ...	2,35,227	...	2,35,227
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 ...	4,651	169	4,820
Providing additional water closets on the two upper floors of the Nurses' Home at K. E. M. Hospital ...	122	7,166	7,288
Construction of a room on the terrace of the Hostel buildings for Gymnasium with necessary appliances at B. Y. L. N. Charitable Hospital ...	4,158	106	4,264
Installation of water pump on the well in the compound of R. P. T. B. Hospital ...	1,215	1,065	2,280
Providing windows, plastering walls and construction of a parapet wall on the terrace of A.R. P. Shelter at A. R. Hospital ...	787	150	937
Providing storage tank of about 200 gallons capacity for drinking water for students and staff in the college mess room at G. S. M. College ...	162	24	186
Providing and fixing 2 R.C.C. storage tanks over the Dean's quarters as the old W. I. Tanks are deteriorating, at the G. S. M. College ...	47	617	664
Providing R. C. C. storage tanks 4 Nos. in place of the worn out W. I. tanks over the Nurses' Home each of about 800 gallons capacity at K. E. M. Hospital ...	...	3,031	3,031
Providing one R. C. C. storage tank 600 gallons capacity over the Registration Hall (O.P. D. section) in place of worn out W. I. tank (No. 102) at K. E. M. Hospital ...	...	379	379
Providing 2 R. C. C. storage tanks (600 gallons capacity each) over the Assistant Dean's quarters (Tank No. 10&11) in place of worn out W. I. Tanks at K. E. M. Hospital ...	...	806	806
Constructing a room of temporary nature for a canteen for the labour staff at B. Y. L. N. Ch. Hospital ...	...	524	524
Providing an additional storage tank of 800 gallons capacity at the 100 beds building at the B. Y. L. N. Charitable Hospital ...	...	892	892
Providing wash basins in front of W. C. and fixing white glazed tiles to the wall and floor of the bath room & W.C. at Junior R.M.O's. quarters at A. R. Hospital ...	...	151	151
Providing additional electric lights with plugs at the A. R. Hospital ...	...	495	495
Providing 2 wash basins in the vegetarian and non-vegetarian kitchens at the A. R. Hospital ...	...	194	194
Providing a dark room for the X-ray apparatus at the T. B. Clinic, Princess Street ...	...	1,418	1,418
Shifting the service point of B. E. S. T. undertaking from existing place to the M. G. H. (Sion) Compound ...	...	4,200	4,200
Providing 1" booster pump on 1½" branch feeding the over head tank from the north side of the Nurses Home and to inter connect the Sets of Domestic and flushing tanks at K. E. M. Hospital... ..	...	5,062	5,062
Providing a stand by plant for the Refrigeration unit for the maternity cabinet at M. G.H.(Sion) ...	...	3,818	3,818
Providing and fixing name board for M. G. H. (Sion) ...	...	79	79
Installation of power line at M. G. H. (Sion) ...	...	4,248	4,248
Provision of wash basins with taps at the Municipal dispensaries ...	...	260	260
Providing steel casement window shutters to the 5 gaps of the side verandah in the west side of the Dean's office at G. S. M. College ...	...	1,575	1,575
Improving the water supply of T. N. M. College ...	...	678	678
Construction of a room over the existing welfare centre with separate R. C. C. Staircase at B. Y. L. N. Charitable Hospital ...	...	3,921	3,921
Providing an overhead storage tank for W. C.s' in the Building No. 46/E., at B. Y. L. N. Ch. Hospital ...	...	653	653
Construction of a semi-permanent structure between wards Nos. 4 and 3 for Maternity wards at M. G. H. (Sion) ...	...	11,947	11,947
Manufacturing and erecting a 45' high chimney to the disinfectant boiler of A. R. Hospital ...	...	1,052	1,052
Providing extension shed to the existing O. T. school at K. E. M. Hospital ...	...	4,266	4,266
Providing necessary fire precautionary measures at T. N. M. College ...	...	786	786
Constructing of Dhobi Ghat with 4 washing Bhatties at south west corner of M. G. H. (Sion) ...	...	6,330	6,330
Raising the chimney of Nurses' kitchen at M. G. H. (Sion) ...	...	629	629
Total—VI. Medical etc. Carried over ...	2,46,369	66,691	3,13,060
Carried over ...	3,45,478	69,788	4,15,266

## APPENDIX No. 4A—(contd.)

	Expenditure upto 31-3-1954	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
	Rs. 3,45,478	Rs. 69,788	Rs.
Brought over ...	2,46,369	66,691	3,13,060
Providing and fixing three exhaust fans to X-Ray department at M. G. H. (Sion) ...	...	80	80
Providing cold water supply arrangement for the College students and staff at G. S. M. College...	...	4	4
Providing cold water supply arrangement for developing photographic work etc. G. S. M. College	...	4	4
Providing additional overhead storage tanks over the new proposed R.C.C. trestle in servants quarters at the A.R. Hospital	...	1,274	1,274
<b>Total, VI.—Medical Relief and Education</b>	<b>2,46,369</b>	<b>68,053</b>	<b>3,14,422</b>
<b>VII.—Street Cleansing and Conservancy, etc.</b>			
Works completed (as per Report for 1953-54) ...	1,89,306	...	1,89,306
Experiment of compost preparation at D.P. Works on a moderate scale so as to gain the necessary experience ...	6,231	44	6,275
Providing Electric lights in the rooms occupied by Labour staff in charge of Conservancy branch of the Health Department ...	66,147	2,550	68,697
Providing approach roads to low lying land to the west of old site of drainage channel between Fergusson Road and Haines Road...	3,471	15,382	18,853
Installation of an additional storage tank of 400 gallons capacity to N.S. depot at Celiba Military area, Pilot Bunder ...	601	74	675
Providing 5 light points in Public Convenience at Banganga ...	7	500	507
Providing two pump houses and two pumping sets at 42-64 Cell Road, North ...	7,652	1,188	8,840
Repairing the existing pump and providing a new 1.5 H.P. A/c motor to the same at Bhatia Baug P. Sanitary Convenience ...	274	63	337
Providing electric lights at Sweepers chawl in charge of Conservancy Branch H.D. Kasarwad Chawis ...	Cr. 53	928	875
Providing overhead cross beams to facilitate hauling of pump parts from slump pits at different Pumping Stations ...	876	98	974
Providing a weather shed to the verandah of chawl No. 6 at Tank pakhadi H. D. Chawl ...	...	89	89
Providing gas lamps at the public convenience at the junction of Sussex Road and Cannought Road	...	313	313
Providing W. C. block and a washing place for Babula Tank Drainage yard ...	...	6,354	6,354
Purchase of steel wood composite wagon ...	...	Cr. 1,671	Cr. 1,671
Providing 8 flushing Tanks to the Public convenience at Shri Road ...	...	572	572
Construction of 420 tenements Replacements of Patra sheds at Tardeo flats ...	...	Cr. 1,471	Cr. 1,471
Preparing 20' wide passage at Hornby Veliard Road ...	...	349	349
<b>Total, VII.—Street, Cleansing, etc.</b>	<b>2,74,512</b>	<b>25,362</b>	<b>2,99,874</b>
<b>VIII.—Roads, S.W. Drains and Public Lighting.</b>			
Works completed (as per Report 1953-54) ...	1,05,444	...	1,05,444
Reserve for petty Drainage Works ...	1,04,557	14,027	1,18,584
Providing Permanent wire glass weather sheds to A. E. M.'s Office at Sankli street ...	...	641	641
Widening the Carriage way at the side of the discarded culvert Sion Causeway ...	...	4,316	4,316
Improving the junction of Ferguson Road and Delisle Road over bridge ...	...	2,566	2,566
<b>Total, VIII.—Roads, Drains and Sewers</b>	<b>2,10,001</b>	<b>21,550</b>	<b>2,31,551</b>
<b>IX.—Mechanical.</b>			
Works completed (as per Report for 1953-54) ...	68,869	...	68,869
Providing fluorescent fittings in the office of M. E. ...	...	2,426	2,426
Providing wooden ceiling on the 1st floor of M. E.'s office ...	...	3,253	3,253
<b>Total, IX.—Mechanical</b>	<b>68,869</b>	<b>5,679</b>	<b>74,548</b>
<b>Total—Carried forward</b>	<b>11,45,229</b>	<b>1,90,432</b>	<b>13,35,661</b>

## APPENDIX No. 4-A—(contd.)

	Expenditure upto 31-3-1954	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
	Rs.	Rs.	Rs.
Total—Brought over ...	11,45,229	1,90,432	13,35,661
<b>X.—Buildings, Land Acquisition, etc.</b>			
Works Completed (as per Report for 1953-54) ...	13,463	...	13,463
Provision of payment on account of installation of automatic internal telephones for Special Engineer ...	576	626	1,202
Total, X.—Buildings, Land Acquisition, etc. ...	14,039	626	14,665
<b>XI.—Fire Brigade.</b>			
Works completed (as per Report 1953-54) ...	85,206	...	85,206
Providing brick masonry wall in place of C.I. Sheet fencing for Drill Compound at Byculla Fire Station ...	5,386	2,258	7,644
Providing a store room in Station Officer's quarters at Byculla Fire Station ...	800	101	901
Construction of 2 additional rooms on first floor for the staff at Sewri Fire Station ...	6,961	81	7,042
Providing quarters to Sub-Officers etc., at Dadar Fire Brigade Station ...	2,510	108	2,618
Improving water supply at Fort Fire Brigade Station and fixing of a pumping set ...	277	123	400
Constructing a roof over the c. c. slab used for the repairs to the fire appliances adjoining the fire Brigade workshop at Byculla Fire Brigade Station ...	...	7,685	7,685
Providing a W. C. block, washing place and tiffin room for the office staff at Fire Brigade Head quarters, Byculla ...	...	2,618	2,618
Providing a Sliding Pole at Colaba Fire Brigade Station ...	...	185	185
Providing a new overhead storage tank in place of old one at Mandvi Fire Station ...	...	310	310
Total, XI.—Fire Brigade ...	1,01,140	13,469	1,14,609
<b>XII.—Licensing, Removal of Encroachments, etc.</b>			
Works completed (as per Report for 1953-54) ...	17,714	...	17,714
Extension of F and G Ward office at Elphinston Road, Parel ...	...	143	143
Total, XII.—Licensing, etc. ...	17,714	143	17,857
<b>XIII.—Gardens and Open Spaces.</b>			
Works completed (as per Report for 1953-54) ...	1,78,231	...	1,78,231
Providing C. I. Sheet shed along the south infirmary wall into the Victoria Gardens ...	4,838	300	5,138
Shifting of existing turnstiles to some suitable place in King's Circle Gardens ...	505	9	514
Providing mercury lights in the Victoria Gardens ...	3,320	649	3,969
Development of Nardulla Tank Maidan ...	1,034	1,299	2,333
Providing railing round the deve-cage in the Victoria Gardens ...	...	2,800	2,800
Providing a recreation ground in C. S. No. 885 at the junction of Tulsi pipe line Road and Fitwala Road ...	...	1,457	1,457
Providing a small carnivores House in the Victoria Gardens ...	...	6	6
Providing R. C. C. chawky for keeping gardening implements and for watchmen at Kamgar Maidan (Gokhale Park) ...	...	1,459	1,459
Converting the plot at Dr. Vigas street into a children's playground ...	...	185	185
Providing railing around the Myna cage in the Victoria Gardens ...	...	2,602	2,602
Planting trees on the side of foot paths ...	...	2,335	2,335
Providing fly room cartrivances to the rat house in Victoria Gardens ...	...	3	3
Carried over ...	1,87,928	13,104	2,01,032
Total—Carried forward ...	12,78,122	2,04,670	14,82,792

## APPENDIX No. 4-A—(concl'd.)

	Expenditure upto 31-3-1954	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
	Rs.	Rs.	Rs.
Total—Brought over ...	12,78,122	2,04,670	14,82,792
	1,87,928	13,104	2,01,032
Providing gymnasium apparatus in different Municipal Gardens ...	...	1,728	1,728
Construction of a Band-stand at North Brook Gardens ...	...	5,203	5,203
Providing sanitary blocks to the quarters of Mali at Nowrojee Hill playground ...	...	3,120	3,120
Electric installation at the building used as cafe in the Victoria Gardens ...	...	341	341
Provision of a sanitary block at the playground in front of Y. M. C. A. ...	...	4,761	4,761
Providing a pole Fencing around at the open plot at Dr. Vigas Street ...	...	2,718	2,718
Construction of Band stand and providing electric lights at North brook Gardens ...	...	232	232
Construction of a bird's cage in Victoria Gardens ...	...	60	60
Total XIII.—Gardens etc. ...	1,87,928	31,267	2,19,195
<b>XIV.—Markets and Slaughter Houses.</b>			
Works completed (as per report for 1953-54) ...	1,20,066	...	1,20,066
Providing 3 Offices for inspectors at A. C. Markets ...	3,047	809	3,856
Providing two new W. I. entrance gates in place of old wooden gates at Delisle Road sheep Market ...	...	890	890
Demolishing the existing wall in the washing place and providing a new one at G. M. C. Market ...	...	642	642
Providing open channel drain with C. I. graftings in the vegetable squatters area of the south side of the main market building at Worli ...	...	459	459
Providing three collapsible gates in the new vegetable section at Kamathipura Market ...	...	1,441	1,441
Widening the road at Bandra Slaughter House ...	...	6	6
Converting thirty existing wooden stalls (82 to 96) and (97 to 111) into R.C.C. Stalls in the old Erskine Road Market ...	...	8,494	8,494
Construction of R.C.C. Stalls (6-0 by 6-0) near Mutton Section of A. C. Market ...	...	2,121	2,121
Providing electric lights in the newly constructed chowkies at scale shed at A. C. Market ...	...	337	337
Improving lighting arrangements at G. M. C. Market ...	...	4,731	4,731
Providing lighting arrangements at G.M.C. Market ...	...	241	241
Providing temporary roof, leveling and concreting the plot and providing washing place with drainage arrangements etc., at squatters area at Parel area ...	...	32	32
Providing two iron gates one between vegetable stall No. 212 and 213 and the other gate between Stall No. 421 and 422 at A. C. Market ...	...	962	962
Total, XIV.—Markets, etc. ...	1,23,113	21,165	1,44,278
Total—New Works ...	15,83,163	2,57,102	18,46,265

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.



## Appendix No. 5

## Revenue Account Balance Sheet as at 31st March 1955.

LIABILITIES.	Rs.	a.	p.	ASSETS.	Rs.	a.	p.
<b>Debts—</b>				Cash at Bank	36,67,427	5	9
Due on Cash Bills Outstanding Account	35,855	10	10	Cash in Office	28,87,292	2	5
" Cheques payable	33,84,842	2	7	Municipal Loans—Interest warrants Payable Account	65,275	14	2
" Stores purchased, Outstanding Accounts	9,32,633	5	4	B. I. Trust Loans—Interest warrants Payable Account	22,310	10	4
" Outstanding Charges for 1954-55 and previous years	1,08,21,450	0	0	Interest on B. I. Trust Loans Payable Account	25,658	15	4
" Outstanding Charges on account of Interest accrued but not paid ( <i>Vide</i> details shown in Appendix No. 14-E)	9,80,943	5	4		65,68,965	0	0
<b>Improvement Schemes—</b>				<b>Debts—</b>			
Contribution falling due in 1955-56	42,07,800	0	0	Due for Stores sold	Cr. 23,12,781	14	4
<b>Deposits in Cash and Public Securities from Contractors and private parties (<i>Vide</i> details shown in Appendix No. 14-C)...</b>	2,73,00,958	13	11	<b>Stock—(<i>Vide</i> Appendix No. 14-D)</b>			
	4,76,64,485	6	0	Stock (Reserve Stores)	21,41,754	7	1
<b>Public Monuments Maintenance Fund (<i>vide</i> details shown in Appendix No. 16-B)</b>	1,74,338	7	0	Line Suspense Account	84,255	9	10
<b>Endowments Fund (<i>vide</i> details shown in Appendix No. 16-C)</b>	9,86,414	2	1		22,26,010	0	11
	11,60,752	9	1	<b>Capital Stores—</b>			
<b>Stock Account—</b>				Stock	6,42,321	0	4
Capital Purchases Account, etc.	Dr. 5,03,158	7	10		28,68,331	1	3
Stock Adjustment Account	122	8	9	Plant and Machinery	25,01,835	14	4
	Dr. 5,03,035	15	1	<b>Advances, Recoverable—(<i>Vide</i> Appendix No. 14-A)</b>			
<b>Special Funds as at 31st March 1955—</b>				Departmental Works	30,65,417	6	9
Municipal Fire and Accident Insurance Fund	18,35,447	0	0	Private Works	10,97,704	7	4
Net Premia Fund	52,45,237	9	4	Asphalt Plant Crushers, etc.	12,55,517	7	10
Provident Fund	5,54,98,125	2	4	Municipal Officers	1,63,535	11	0
Fines Fund	2,77,028	0	8	Sundries—Miscellaneous—Advances	24,72,581	13	10
Plant and Machinery Depreciation Fund	31,01,684	3	4	Municipal Tenderers, Contractors, etc.	Cr. 2,890	9	7
Renewal of Road Surfaces Fund	26,74,677	5	3	Purchase of Coal	460	7	8
Garden Fund (a) Victoria Gardens	3,00,445	10	10	Purchase of Petrol	1,85,725	2	4
Garden Fund (b) Other Gardens	87,897	5	0		82,39,051	15	2
Hospital Fund	15,81,929	12	9	<b>Advances out of Special Funds—(<i>Vide</i> Appendix No. 14-B)</b>			
Slum Service Fund	2,23,046	5	3	Advances from Plant and Machinery Depreciation Fund for Purchase of Plant and Machinery	1,264	14	0
K. E. M. Hospital and G. S. M. College Equipment Fund	2,21,412	2	7	Levelling, Metalling etc., Private Streets	3,87,023	14	10
G. S. M. College and K. E. M. Hospital Research Fund	3,29,035	0	0	Advances to lowpaid Municipal employees out of Fines Fund	24	12	0
Precast Concrete Slab Pavements Renewal Fund	1,09,599	5	6	Amount advanced from Net Premia Fund for the purchase of Plant and Machinery for the Municipal Printing Press	1,14,043	4	0
Fidelity Guarantee Insurance Fund	8,00,000	0	0	Amount advanced from Net Preima fund to repay 5% 28 lakhs loan	2,07,378	0	0
Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund	49,092	11	6	Advances for meeting Capital Expenditure from:—			
Victoria & Albert Museum Fund	3,20,835	1	0	Municipal Fire and Accident Insurance Fund	11,63,231	11	1
Welfare Fund	7,28,94,151	10	7	Plant and Machinery Depreciation Fund	14,92,763	3	0
				Renewal of Road Surfaces Fund	11,18,259	13	6
<b>Suspense Account—</b>				Net Premia Fund	37,27,268	4	1
Balance of Proceeds of Rs. 2 Crores Loan for Capital works of the B. E. S. & T. Undertaking	10,618	6	3	Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund	4,53,866	10	0
	† 10,618	6	3	K. E. M. Hospital & G.S.M. College Research Fund...	28,854	14	0
				Equipment Fund	81,566	3	6
<b>Carried Forward</b>	12,12,26,972	0	10	Slum Service Fund	1,38,415	10	0
				Hospital Fund	7,66,578	9	3
				Precast Concrete Slabs Pavement Renewal Fund	1,39,921	2	0
				Gardens Fund—(a) Victoria Gardens	98,355	9	0
					99,17,816	6	3
				<b>Deposits in Public Securities—</b>			
				With the Imperial Bank of India	53,27,280	0	0
				In Office	6,22,350	0	0
					59,49,630	0	0
				<b>Carried Forward</b>	3,38,32,848	6	8

† Amount being the Cash in respect of B. E. S. &amp; T. Committee.

## Appendix No. 5.—(Concl'd.)

LIABILITIES.	Rs. a. p.	ASSETS.		Rs. a. p.
Brought forward ...	12,12,26,972 0 10	Brought forward ...		3,38,32,848 6 8
Surplus Revenue Fund as per Appendix No. 2 ...	1,71,09,891 10 1	Investments— Special Funds.*	In securities.	Deposits in Cash, Call & Current a/c.
			Rs. a. p.	Rs. a. p.
		Municipal Fire and Accident Insurance Fund ...	6,71,932 4 0	283 0 11
		Net Premia, etc., on different Municipal Loans ...	11,96,360 0 0	188 1 3
		Provident Fund ...	5,54,97,846 10 0	278 8 4
		Fines Fund ...	2,76,763 6 0	239 14 8
		Plant and Machinery Depreciation Fund ...	12,21,521 2 0	111 1 6
		Renewal of Road Surfaces Fund ...	15,56,181 4 0	236 3 9
		Garden Fund (a) Victoria Gardens ...	2,01,895 2 0	194 15 10
		(b) Other Gardens ...	87,700 0 0	197 5 0
		Hospital Fund ...	8,15,191 12 0	159 7 6
		Slum Service Fund ...	1,00,000 0 0	243 5 3
		K.E.M. Hospital and G.S.M. College Equipment Fund ...	1,42,295 0 0	185 1 9
		G.S.M. College and K.E.M. Hospital Research Fund ...	1,92,493 0 0	64 4 7
		Precast Concrete Slab Pavements Renewal Fund ...	1,83,900 0 0	213 14 0
		Fidelity Guarantee Insurance Fund ...	1,09,400 0 0	199 5 6
		Depreciation Fund for replacement of Plant and Mach. purchased out of Loan Fund.	2,82,100 0 0	64,033 6 0
		Victoria & Albert Museum Fund ...	48,900 0 0	192 11 6
		Welfare Fund ...	3,20,500 0 0	335 1 0
			6,29,08,979 8 0	67,355 12 4
		Investment of Surplus moneys in Public Securities.		
		3% Conversion Loan 1946† ...	34,773 14 2	34,773 14 2
		Public Monuments Maintenance Fund. (Vide Appendix No. 16-B) ...	1,74,246 7 0	92 0 0
		Endowments Fund. (Vide Appendix No. 16-C) ...	9,86,290 6 6	123 11 7
		Surplus Fund.	Face value.	Cost.
		4% Govt. Loan 1960-70 ...	4,80,500 0 0	4,35,496 10 0
		4% B.I.T. Debentures ...	16,900 0 0	15,740 12 0
		3% Municipal Debentures ...	67,20,000 0 0	67,20,000 0 0
		3½% Municipal Debentures ...	28,400 0 0	28,400 0 0
		3½% Municipal Debentures ...	17,96,000 0 0	16,89,494 0 0
		4% Municipal Debentures ...	74,29,900 0 0	74,29,900 0 0
		3% Conversion Loan 1946 ...	1,00,200 0 0	1,00,200 0 0
		6% B. I. T. Debentures ...	64,600 0 0	64,600 0 0
		4½% B. I. T. Debentures ...	800 0 0	800 0 0
			1,66,37,300 0 0	1,64,84,631 6 0
		In cash, fixed, call and current a/c. Deposits ...		2,38,47,522 2 8
				4,03,32,153 8 8
Total ...	13,83,36,863 10 11	Total ...	6,41,04,290 3 8	2,39,15,093 10 7
				13,83,36,863 10 11

\* 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 leasees.

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## APPENDIX No. 6

### Statement of Special Funds for 1954-55.

#### 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.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		17,62,875 0 0
Contributions for the year		7,153 8 0
Interest realised during the year		65,894 8 0
Expenditure incurred during the year	476 0 0	
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5—		
Amount advanced for financing Capital Expenditure	11,63,231 11 1	
Amount held in Securities and Cash	6,72,215 4 11	
	18,35,447 0 0	
<b>Total</b>	<b>18,35,923 0 0</b>	<b>18,35,923 0 0</b>

\* Accumulations in the fund are allowed to Rs. 25 lakhs under C. R. No. 1458 of 1-3-1954.

#### 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.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		52,47,052 4 4
Sale of water-marked paper		131 2 0
Expenditure incurred during the year	1,945 13 0	
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5—		
Amount advanced for financing Capital Expenditure	37,27,268 4 1	
Amount advanced to repay 5 percent 28 Lakh Loan	2,07,378 0 0	
Amount advanced for purchase of Plant and Machinery for Municipal Printing Press pending adjustment against the provisions for depreciation in subsequent years	1,14,043 4 0	
Amount held in Securities and Cash	11,96,548 1 3	
	52,45,237 9 4	
<b>Total</b>	<b>52,47,183 6 4</b>	<b>52,47,183 6 4</b>

\* Out of this, Rs. 31,48,387 belong to Water Works Account.

#### Fines Fund.

(Corporation Resolution No. 1217 of 12th May 1919).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		3,40,946 1 2
Interest realised during the year		17,159 11 0
Net Recoveries of fines during the year		20,585 15 0
Expenditure during the year	96,663 10 6	
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5—		
Advances to Municipal Employees as sanctioned under C.R. No. 15 of 9-4-42	24 12 0	
Amount held in Securities and Cash	2,77,003 4 8	
	2,77,028 0 8	
<b>Total Rs</b>	<b>3,73,691 11 2</b>	<b>3,73,691 11 2</b>

#### Plant and Machinery Depreciation Fund.

(Corporation Resolution No. 5533 of 1st September 1924).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		31,03,554 13 10
Amount of depreciation on plant and machinery credited to Fund account during the year		70,687 7 6
Expenditure on purchase of Plant and Machinery for replacement	72,558 2 0	
Additional contribution to the Fund		
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5—		
Amount advanced for financing Capital Expenditure	14,92,763 3 0	
Amount advanced for purchase of Plant and Machinery pending adjustment against provisions for depreciation in subsequent years—		
Balance on 1-4-1954	3,129 14 0	
Less Depreciation adjusted during the year	1,865 0 0	
	1,264 14 0	
Amount advanced for meeting expenditure on levelling, metalling, etc., Private Streets	3,87,023 14 10	
Amount held in Securities and Cash	12,20,632 3 6	
	31,01,684 3 4	
<b>Total</b>	<b>31,74,242 5 4</b>	<b>31,74,242 5 4</b>

#### Depreciation Fund for replacement of Plant & Machinery purchased out Loan Funds.

(Corporation Resolution No. 1644 of 14th March 1949).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		8,00,000 0 0
Balance on 31st March 1955 as per balance sheet Appendix No. 5.		
Amount advanced for financing Capital Expenditure	4,53,866 10 0	
Amount held in Call Deposits, Cash and Securities	3,46,133 6 0	
	8,00,000 0 0	
<b>Total</b>	<b>8,00,000 0 0</b>	<b>8,00,000 0 0</b>

#### Renewal of Road Surfaces Fund.

(Corporation Resolution No. 774 of 27th April 1925).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		25,93,269 9 3
Interest realised during the year		1,01,909 0 0
Contribution from Revenue during the year.		5,861 0 0
Expenditure incurred during the year.	31,422 4 0	
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5—		
Advance for financing Capital Expenditure	11,18,259 13 6	
Amount held in Securities and Cash	15,56,417 7 9	
	26,74,677 5 3	
<b>Total Rs.</b>	<b>27,06,099 9 3</b>	<b>27,06,099 9 3</b>

#### Garden Fund (a) Victoria Garden.

(Corporation Resolution No. 912, of 1st May 1930).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on April 1st 1954		2,67,030 1 7
Recoveries during the year		37,766 10 6
Interest realised during the year		10,203 1 0
Expenditure during the year	14,554 2 3	
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5		
Advance for financing Capital Expenditure	98,355 9 0	
Amount held in Securities and Cash	2,02,090 1 10	
	3,00,445 10 10	
<b>Total Rs.</b>	<b>3,14,999 13 1</b>	<b>3,14,999 13 1</b>

#### Garden Fund (b) Other Gardens.

(Corporation Resolution No. 140 of 5th May 1947).

	Dr.	Cr.
	Rs. a. p.	Rs. a. p.
Balance on 1st April 1954		68,010 3 0
Interest realised during the year		2,285 15 0
Recoveries during the year		17,601 3 0
Balance on 31st March 1955 as per balance Sheet, Appendix 5		
	87,897 5 0	
<b>Total</b>	<b>87,897 5 0</b>	<b>87,897 5 0</b>

**APPENDIX No. 6—(Contd.)**  
**Statement of Special Funds 1954-55.**

**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 1954	3,69,108	13 10		
Expenditure during the year	28,207	0 0		
Recoveries on account of expenditure during the year			27,603	0 0
Interest charges during the year	17,405	12 0	94	11 0
Advance from Plant and Machinery Depreciation Fund as at 31st March 1955			3,87,023	14 10
<b>Total Rs.</b>	<b>4,14,721</b>	<b>9 10</b>	<b>4,14,721</b>	<b>9 10</b>

**Public Monuments Maintenance Fund.**

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			1,74,338	7 0
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5	1,74,338	7 0		
<b>Total Rs.</b>	<b>1,74,338</b>	<b>7 0</b>	<b>1,74,338</b>	<b>7 0</b>

**Endowments Fund.**

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			9,68,619	5 9
Interest, Bonus, etc., invested during the year and donations received			17,794	12 4
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5	9,86,414	2 1		
<b>Total Rs.</b>	<b>9,86,414</b>	<b>2 1</b>	<b>9,86,414</b>	<b>2 1</b>

**Hospital Fund.**

(Corporation Resolution No. 497 of 15th November 1934).

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			18,12,520	13 9
Donations received during the year			80,201	14 0
Expenditure during the year	3,10,792	15 0		
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5				
Amount advanced for financing Capital Expenditure	7,66,578	9 3		
Amount held in securities and cash	8,15,351	3 6	15,81,929	12 9
<b>Total</b>	<b>18,92,722</b>	<b>11 9</b>	<b>18,92,722</b>	<b>11 9</b>

**Slum Service Fund.**

(Corporation Resolution No. 930 of 27th February 1936).

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			2,30,620	1 3
Interest realized during the year			8,038	14 0
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5				
Amount advanced for financing Capital Expenditure	1,38,415	10 0		
Amount held in securities and cash	1,00,243	5 3	2,38,658	15 3
<b>Total</b>	<b>2,38,658</b>	<b>15 3</b>	<b>2,38,658</b>	<b>15 3</b>

**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 1954			2,34,560	9 3
Contribution from Revenue for the year			13,328	8 0
Expenditure during the year	25,242	12 0		
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5				
Amount advanced for financing Capital Expenditure	80,566	3 6		
Amount held in Securities and cash	1,42,480	1 9	2,23,046	5 3
<b>Total</b>	<b>2,48,289</b>	<b>1 3</b>	<b>2,48,289</b>	<b>1 3</b>

**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 1954			2,10,894	13 1
Subsidy received from the Government during the year			7,000	0 0
Received from Vulkart Bros. for research			6,600	0 0
Received from Govt. of India for research			10,000	0 0
Received from Burmah Shell oil storage and distribution for research in Ricket			200	0 0
Interest realized during the year			7,650	13 0
Expenditure during the year	20,923	7 6		
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5				
Amount advanced for financing Capital Expenditure	28,854	14 0		
Amount held in securities and cash	1,92,557	4 7	2,21,412	2 7
<b>Total</b>	<b>2,42,335</b>	<b>10 1</b>	<b>2,42,335</b>	<b>10 1</b>

**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 1954			2,88,166	0 0
Contribution from Revenue during the year			40,869	0 0
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5				
Amount advanced for financing Capital Expenditure	1,39,921	2 0		
Amount held in securities and cash	1,89,113	14 0	3,29,035	0 0
<b>Total</b>	<b>3,29,035</b>	<b>0 0</b>	<b>3,29,035</b>	<b>0 0</b>

**Fidelity Guarantee Insurance Fund.**

(Corporation Resolution No. 1283 of 10th March 1941).

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			96,756	9 6
Net Recoveries during the year			9,724	3 0
Interest realized during the year			3,118	9 0
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5	1,09,599	5 6		
<b>Total</b>	<b>1,09,599</b>	<b>5 6</b>	<b>1,09,599</b>	<b>5 6</b>

**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 1954			38,945	8 6
Net recoveries during the year			8,825	10 0
Interest realized during the year			1,321	9 0
Balance on 31st March 1955 as per Balance Sheet, Appendix No. 5	49,092	11 6		
<b>Total</b>	<b>49,092</b>	<b>11 6</b>	<b>49,092</b>	<b>11 6</b>

**Welfare Fund.**

(Constituted under Section 120A of the Bombay Municipal Corporation Act.)

	Dr.		Cr.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1954			3,09,499	14 0
Contribution during the year			66,373	0 0
Interest during the year			10,748	11 0
Net recoveries during the year			349	0 0
Expenditure during the year	66,135	8 0		
Amount held in securities and cash	3,20,835	1 0		
<b>Total Rs.</b>	<b>3,86,970</b>	<b>9 0</b>	<b>3,86,970</b>	<b>9 0</b>

## APPENDIX No. 6—(Concluded.)

## Statement of Special Funds 1954-55.

Provident Fund.				Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
(Corporation Resolution No. 5598, dated the 7th September 1920)											
Balance on 1st April 1954	...	...	...	3,26,01,546	8 6						
Add—Transferred from Trust	...	...	...	28,531	8 0						
Amount of Subscriber's Accounts—											
(1) Other than Trust and Education Committee's employees	...	...	...	3,26,30,078	0 6	3,26,30,078	0 6				
(2) Trust employees	...	...	...	29,15,851	7 10						
Less—Transferred to Municipal	...	...	...	28,531	8 0	28,87,319	15 10	28,87,319	15 10		
(3) Education Committee's Employees	...	...	...			1,47,39,840	10 8				
(4) Excess Interest, Profit on sale of Securities, etc.	...	...	...			5,19,609	9 5				
Receipts on account of Subscriptions and contribution during 1954-55 in respect of employees other than Trust and Education Committee's Employees	...	...	...	54,32,816	12 0					5,07,76,848	4 5
Deduct—Payments during the year	...	...	...	48,13,573	3 0			6,19,243	9 0		
Interest allowed on Provident Fund accounts of employees other than Trust and Education Committee's employees	...	...	...	12,75,882	1 0						
Deduct—Payments during the year	...	...	...	46,805	12 0			12,29,076	5 0		
Net closing balance transferred to Education fund	...	...	...							18,48,319	14 0
Recoveries on account of Subscriptions and Contributions during 1954-55 in respect of Provident Fund Accounts of Trust Employees	...	...	...	4,41,946	10 0						
Deduct—Payments during the year	...	...	...	5,03,404	8 8	Dr. 61,457	14 8				
Interest allowed on Provident Fund Accounts of Trust employees	...	...	...	1,14,734	0 0						
Deduct—Payments during the year	...	...	...	8,011	11 0			1,06,722	5 0		
Receipts on account of Subscriptions and Contributions during 1954-55, in respect of Provident Fund Accounts of Education Committee's Employees	...	...	...	16,43,163	13 0					45,264	6 4
Deduct—Payments during the year	...	...	...	12,46,132	14 0			3,97,030	15 0		
Interest allowed on Provident Fund Accounts of Education Committee's Employees.	...	...	...	5,81,271	10 0						
Deduct—Payments during the year	...	...	...					5,81,271	10 0		
* Balance on 1st April 1954	...	...	...	17,57,669	8 10			17,57,669	8 10	9,78,302	9 0
Receipts on account of Subscription and Contribution during 1954-55 in respect of Provident Fund Accounts of Suburban Employees	...	...	...	6,04,249	13 0						
Deduct—Payments during the year.	...	...	...	4,73,619	7 3			1,30,630	5 9		
Interest allowed on Provident Fund Accounts of Suburban Employees	...	...	...	69,086	13 0						
Deduct—Payments during the year	...	...	...	2,659	6 0			66,427	7 0	19,54,727	5 7
Net Interest on Provident Fund Investments realized during the year	...	...	...					19,35,536	3 0		
Deduct—Interest allowed at 4 per cent. per annum on Provident Fund Accounts	...	...	...								
(1) Employees other than Trust and Education Committee's Employees	...	...	...	12,75,882	1 0						
(2) Trust Employees	...	...	...	1,14,734	0 0						
(3) Education Committee's Employees	...	...	...	5,81,271	10 0						
(4) Suburban Employees	...	...	...	69,086	13 0	20,40,974	8 0			Dr. 1,05,438	5 0
Profit on account of conversion of Securities	...	...	...							101	0 0
Balance on 31st March 1955 as per Balance Sheet Appendix No. 5	...	...	...					5,54,98,125	2 4		
								5,54,98,125	2 4	5,54,98,125	2 4

\* Provident fund of the suburban employees is merged from 1-4-53.

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## APPENDIX No. 7.

## Capital Fund Balance Sheet as at 31st March 1955.

LIABILITIES.	Rs.	ASSETS.	Rs.
<b>Loans Outstanding :—</b>		<b>Block Account :—</b>	
Due to Government (Vide details as shown in Appendix No. (11) ...	4,16,01,168 13 0	<b>Loan Funds—</b>	
Due to Public— (Vide details as shown in Appendix No. (11) ...	21,19,25,000 0 0	Property and Assets at original cost as per Appendix No. 8. Ra. 47,08,70,986 7 3	
Advances from Special Funds— (Vide details as shown in Appendix No. (11) ...	94,15,459 9 5	Deduct—Subventions granted for the conversion of privies into water closets, shown below	17,79,549 13 0
	26,29,41,628 6 5		46,90,91,436 10 3
<b>Trust Fund Account—</b>		Add—Subventions granted for the conversion of privies into water-closets Ra. 22,97,055 0 0	
Donation from Mr. D. M. Bahadurji. Rs. 3 11 0		Deduct—Expenditure written off Ra. 5,17,505 3 0	Ra. 17,79,549 13 0
Donation from Sheth Shantilal M. Parikh for the establishment of a Blood Bank ... Rs. 15,219 6 0			47,08,70,986 7 3
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		<b>Trust Fund—</b>	
Donation from The Chairman of Trustees of the Lotus Trust for the construction of electric crematorium at Chandanwadi Rs. 71 10 0		Expenditure as per Appendix No. 8 ...	53,25,125 3 1
Donation from Reserve Bank of India for construction of a ward 38/40 beds for accommodating their Sick employees in K. E. M. Hospital ... Rs. 59,523 8 0	67,512 11 0	<b>Worn-out Water Mains Renewal Fund—</b>	
	67,512 11 0	Expenditure as per Appendix No. 8 ...	9,64,525 14 6
<b>Surplus—</b>		<b>Municipal Land and Buildings Fund—</b>	
<b>CAPITAL ASSETS AT ORIGINAL COST OVER LIABILITIES :—</b>		Land purchased and Buildings erected as per Appendix No. 8	43,03,043 6 8
Sinking Fund on Loans ...	4,21,87,993 6 9	Temporary advance to Development Fund ...	31,77,390 6 0
Loans Redemption Fund ...	20,89,15,039 8 3	<b>Investments—</b>	
Premia on Loans ...	3,20,848 11 11	<b>Sinking Fund—</b>	
Contributions from Special Funds ...	8,03,171 0 3	As per Appendix No. 10 ...	(a) 4,21,87,993 6 9
Do. Revenue for Loan Works Establishment ...	17,869 15 8	<b>Loan and Trust Funds—</b>	
Do. G. I. P. Railway ...	3,74,000 0 0	Amount reserved for capital stores—	87,71,312 15 8
Do. Port Trust ...	1,56,500 0 0	Face Value Rate Book Value	
Do. Government for Schools ...	5,00,000 0 0	Ra. Ra. Ra.	
Do. Government for widening the Love Grove Bridge ...	91,234 0 0	3% Conversion Loan 1946 ... 48,200 101% 48,682 0 0	
Do. Worn-out Water Mains Renewal Fund ...	9,64,525 14 6	4% Municipal Debentures ... 23,89,000 par 20,89,000 0 0	
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 ...	53,25,125 3 1	In Cash	326 5 9
Do. Trustees Gokuldas Tejpal Charities ...	18,123 10 3		* 21,38,008 5 9
Grant in aid from Government for widening the road in Colaba division	12,975 14 0		
	28,12,99,906 9 0		
Deduct— Assets written off—			
Amount as on 31st March 1954 Rs. 47,31,307 8 9			
Additions during the year ... .. 18,39,364 0 0	65,70,671 8 9		
	27,47,29,235 0 3		
<b>Grand Total</b> ...	<b>53,77,38,386 1 8</b>		<b>53,77,38,386 1 8</b>

(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 and Loan fund.

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## APPENDIX No. 8.

## SUMMARY

	Total Capital Expenditure upto 31st March 1954.	Expenditure During 1954-55.	Capital Expenditure upto 31st March 1955.
		Out of Loan Funds.	
	Rs.	Rs.	Rs.
<b>(1) Loan Funds</b>			
I.—General supervision, Collec- tion of Revenue, etc. ...	25,94,962	2,20,772	28,15,734
II.—Water Works ...	22,15,10,239	3,16,79,948	25,31,90,187
III.—Education, Primary ...	27,98,012	...	27,98,012
IV.—Education, Secondary ...	20,704	...	20,704
V.—Public Health Department ...	64,79,187	23,39,758	88,18,945
VI.—Medical Relief and Education.	1,02,52,437	15,75,547	1,18,27,984
VII.—Street, Cleansing and Conser- vancy Road Watering and Halalkhore Service ...	2,47,16,377	21,99,929	2,69,16,306
VIII.—Roads, Drains and Sewers ...	8,72,05,996	9,02,249	8,81,08,425
IX.—Mechanical ...	35,67,959	22,832	35,90,791
X.—Buildings, Land Acquisition and Management ...	4,38,49,489	15,81,358	4,54,30,847
XI.—Fire Brigade ...	16,13,458	7,19,465	23,32,923
XIII.—Gardens and Open Spaces ...	37,82,040	31,997	38,14,037
XIV.—Markets and Slaughter Houses	92,00,423	3,84,336	95,84,759
XV.—Slum Service ...	11,16,988	83,535	12,00,523
XVI.—Measures for Civil Defence...	1,87,149	...	1,87,149
XVII.—Greater Bombay ...	2,25,228	36,055	2,61,283
Discount and other charges on Loans	41,04,792	5,19,402	46,24,194
Plant and Machinery ...	63,34,776	Cr. 9,86,592	53,48,184
<b>(1) Loan Funds—Total.</b>	<b>42,95,60,216</b>	<b>4,13,10,771</b>	<b>47,08,70,987</b>
<b>(2) Trust Fund</b>			
Works executed ...	53,08,468	16,658	53,25,126
<b>(3) Worn out Water Mains Renewal Fund</b>			
Works executed ...	9,64,526	...	9,64,526
<b>(4) Land and Buildings Fund</b>			
Lands purchased and buildings erected ...	43,03,044	...	43,03,044
<b>Grand Total.</b>	<b>44,01,36,254</b>	<b>4,13,27,429</b>	<b>48,14,63,683</b>

## APPENDIX—No. 8

Block Account showing details of Capital Expenditure upto 31st March 1955.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
<b>I.—GENERAL SUPERVISION, COLLECTION OF REVENUE, ETC.</b>			
Works completed (as per Report for 1953-54) ...	20,85,164	...	20,85,164
Works in progress—			
Construction of a timber shed in the Central Stores at DeLisle Road ...	19,078	4,448	23,526
Conversion of crusher Godown Building at Carnac Bridge for accommodating Municipal Printing Press ...	4,89,677	4,144	4,93,821
Extension of the Municipal Head Office Building ...	1,043	1,91,847	1,92,890
Remodelling of Municipal Central Stores ...	...	20,333	20,333
Total Works in progress ...	5,09,798	2,20,772	7,30,570
I.—General Supervision, etc., Total ...	25,94,962	2,20,772	28,15,734
<b>II.—WATER WORKS, ORDINARY.</b>			
Works completed (as per Report for 1953-54) ...	5,41,52,125	...	5,41,52,125
Works completed—			
Providing additional hydrants on 24" Tulse main from Mori Road to Haines Road ...	22,245	...	22,245
Enlarging 6" water main to 12" in Suparibaug Road East (F Ward) ...	1,27,861	...	1,27,861
Enlarging and extending 6" > 4" mains in Queens Road and New Queens Road ...	53,446	...	53,446
Improving the water supply in Stable Street Kamathipura, (E Ward) ...	11,119	...	11,119
Providing 6" water main in Tawa Lane ...	6,008	...	6,008
Taking over Plot of land occupied by Ladies Gymkhana together with the structures standing thereon ...	7,09,719	...	7,09,719
II.—Water Works completed Works Total ...	5,50,82,523	...	5,50,82,523
Works in progress—			
Providing new water mains in Mahim District ...	1,94,253	670	1,94,923
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 ...	1,18,450	...	1,18,450
Treating further portion of the 57" Steel mains in Sleater Road from Nana's Chowk to Falkland Road with reinforced gunite ...	3,94,778	1,007	3,95,785
Constructing 1½ million gallons capacity reinforced gunite elevated tank at Bhandarwada ...	2,14,612	...	2,14,612
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
Diverting and regrading the existing Tulse Trolley Track ...	3,64,381	...	3,64,381
Housing accommodation for emergency gangs for the labour staff in the outside City Division ...	2,45,411	237	2,45,648
Enlarging the existing 6" main in Pochkhanawalla Road (Eas) 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) ...	59,497	...	59,497
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
II.—Water Works—Works in Progress—Carried over ...	18,77,860	1914	18,79,774
II.—Water Works—Works completed—Carried over ...	5,50,82,523	...	5,50,82,523



## APPENDIX No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
II—Water Works—Works Completed Brought over ...	5,50,82,523	—	5,50,82,523
II—Water Works—Works in Progress—Brought forward	18,77,860	1914	18,79,774
Providing a 6" main in New Tank Bunder Road (E Ward) ...	15,598	...	15,598
Improving the water supply in localities in B Ward—laying water mains in Masjid Bunder Road Sandhurst Road, etc.	1,94,427	Cr. 10	1,94,417
Providing concrete blocks under steel mains outside City at places where they are badly corroded ...	9,98,474	1,14,061	11,12,535
Providing hydrants in roads where there are no hydrants or where additional hydrants are necessary ...	43,602	27,923	71,525
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
Measures for preventing frequent bursts on trunk mains inside the City ...	1,00,956	...	1,00,956
Cuminting 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
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 Tokerasi 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 ...	1,56,345	1,713	1,58,058
Additional floor over Chawkidar's quarters at G Ward at Delisle Road ...	7,345	...	7,345
Enlarging the 5" main in Falkland Road Low level to meet 9" main in Sleater Road ...	Cr. 147	...	Cr. 147
Providing auxiliary Sluice Valves on daily operated cross connections Valves, etc. ...	40,408	...	40,408
Repairing leaks along the Tansa Duct Line ...	15,98,140	314	15,98,454
Enlarging the existing 4" main in Pitamber wadi to 9" (G Ward). ...	40,508	Cr. 34	40,474
Providing 24" cross connections between inlets and outlet mains of Malabar Hill Reservoir at Harvey Road ...	80,814	8,680	89,494
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 ...	24,941	879	25,840
Laying water main in Sion-Matunga Scheme No. 6 ...	1,88,905	38,257	2,27,162
Removing the dead end of 5" main in Koliwada by connecting it to 5" main in Khattar Ali 2nd Lane ...	4,340	Cr. 119	4,221
Providing a 9" water main in Yadavji Patil Road and Palkhiwadi (G Ward) ...	40,363	315	40,678
Laying 24" > 18" for 12" water meter from 48" Tansa main near Kol-wada Station for Antop Hill Wadala Area ...	99,084	204	99,288
Providing a 6" C. I. main with 3" C. I. branches from 9" main in Maulana Abdul Gaffarkhan Road up to dead end of the existing 6" main in Worli Koliwada (G Ward) ...	42,859	7,052	49,911
Providing a 6" > 3" > 6" water main in Bhendi Gully off Harischandra Goregaonkar Road ...	4,586	...	4,586
Extension of Dispensary at Ghatkopar ...	13,915	...	13,915
Enlarging all the 3"-4" water main in A Ward to Suitable sizes	84,638	39,414	1,24,052
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 ...	25,391	...	25,391
Measures to prevent frequent bursts on the 24" Vehar Main at Kurla ...	12,175	Cr. 4,349	7,826
Protective measures to the trunk mains and the slopes on the Eastern Side of Malabar Hill ...	62,568	...	62,568
Constructing a cattle pound near the Tansa Lake ...	5,116	309	5,425
Conversion gradually of an adequate number of underground hydrants out of the existing underground hydrants into stand post hydrants to prevent pollution of the water supply in the city	1,06,142	14,860	1,21,002
Providing water mains with hydrants etc., in the layout of Road 5 in Scheme No. 57 Sewri Wadala ...	1,96,699	58,600	2,55,299
Providing a 12" water main in Dada Kumbharwala Lane ...	28,849	149	28,998
Enlarging the existing 3" main in Wellington Street and extending it to Lohar Street Cross Lane ...	17,827	...	17,827
Protection of 57" Tansa Steel mains in the City ...	3,66,115	5,15,562	8,81,677
II—Water Works—Works in progress—Carried forward	66,97,024	8,25,714	75,22,738
II—Water Works—Carried forward ...	5,50,82,523	...	5,50,82,523

## APPENDIX—No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954.	Expenditure during 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
II—Water Works—Carried forward ...	5,50,82,523	...	5,50,82,523
II—Water Works—Works in Progress—Brought over ...	66,97,024	8,25,714	75,22,738
Grouting the remaining portion at Tansa Dam ...	7,28,414	...	7,28,414
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 ...	5,31,792	24,723	5,56,515
Laying water mains in the roads of the proposed layout for the Worli Neighbourhood unit at work ...	54,788	457	55,245
Enlarging the existing 6" main in Parel Tank Road to 9" ...	1,02,565	14,758	1,17,323
Renovating the 6 Units chawl at Babulla Tank ...	15,844	1,694	17,538
Providing storage tank with electric Pumping Unit for the meter testing shop at DeLisle Road ...	18,310	...	18,310
Enlarging the 3" water main at Khara Tank Street to 12" ...	29,520	4,404	33,924
Enlarging the existing 4" main in Mahew Road to 9" from French Bridge upto New Queen's Road ...	38,382	Cr. 230	38,152
Enlarging the existing 6" water main in Khetwadi Back Road to 12" ...	1,38,636	Cr. 3,599	1,35,037
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 ...	14,86,792	4,750	14,91,542
Providing summer houses at M.H.R. and B.H.R. Gardens ...	18,614	272	18,886
Enlarging the existing 2" water main to 6" in Madhavpura Street (E Ward) ...	2,309	Cr. 154	2,155
Laying out a garden at the Bishop's Lodge site at Malabar Hill. Strengthening the electric cables at Bhandarwada Hill Reservoir Control Room ...	1,404	29,860	31,264
Providing Park for visitors on hill tops adjoining Vehar Garden ...	34,022	905	34,927
Extending and remodelling of a Store house at Ghatkopar ...	20,563	2,446	23,009
Strengthening of Tansa Dam ...	27,277	980	28,257
Providing a 6" water main in Mogul Lane (G Ward) ...	32,77,803	22,80,694	55,58,497
Filling up with earth the Municipal land east of 48" old Tansa main at Ghatkopar ...	17,367	632	17,999
Enlarging the existing 6" main in Khetwadi Main Road to 12" ...	1,162	434	1,596
Laying a 9" main in Ripon Road from Bellasis Road to Morland Road ...	68,513	38,315	1,06,828
Enlarging the 6" water main in western footpaths of Clare Road and extending it to join the 36" main ...	48,584	32,356	80,940
Replacing the portion of syphon No. 6 between Kapurwadi and Pokhran ...	52,880	26,010	78,890
Laying a 12" main in Shankarao Pupala Road (E Ward) ...	55,725	8,510	64,235
Re-modelling the workshop and yard at Ghatkopar ...	30,402	34,230	64,632
Construction of a Pavilion at Tansa ...	12,694	8,486	21,180
Conversion of N. P. Hydrants into S. P. Hydrants at Bhandarwada Hill Reservoir and Malabar Hill Reservoir ...	816	8,434	9,250
Construction of a 7 unit quarter for sluiceman at Malabar Hill Reservoir ...	536	1,059	1,595
Laying 6" water main in the portion of Gymkhana Road at Telarg Road, Matunga ...	1,134	21,285	22,419
Providing water mains for Antop Village Housing Scheme for non-schedule staff of B.P.T. ...	55	...	55
Laying 9" hydrant main in Scottish Orphanage Lane and Bhandar Gully ...	15,552	20,733	36,285
Extending the 6" main in Anantwadi connecting the 9" main in Fanaswadi through Jagananath Jigraj compound ...	21,649	1,277	22,926
Laying 6" main in Nawab Tank Road ...	3,244	421	3,665
Laying a 3" hydrant main in Chaubal Lane off Vithalbbai Patel Road ...	7,873	794	8,667
Laying a 3" hydrant main in the lane opposite Soman Building off Girgaum Road ...	2,573	239	2,812
Laying a 3" hydrant main in Duarts wadi off Vithalbbai Patel Road ...	1,613	881	2,494
Laying 24" main in Mint Road and Frere Road from Elphinstone Circle to Fort Street ...	2,602	68	2,670
Laying a 24" main in Charni Road from Khetwadi to Sidhurst Road ...	1,793	Cr. 27,855	Cr. 26,062
Extension of Tulse Trolley Track ...	943	54,992	55,935
Provision of sanitary conveniences for the Labour Staff working in Outside City Division ...	35,665	8,225	43,890
Converting the approach road to Hanging Gardens from Baulnath Road to Gibbs Road ...	132	354	486
Laying the 12" W. M. with 10 hydrants in Lady Hardinge Road. Laying 6" W. M. in Proctor Road Cross Lane ...	7,037	9,442	16,479
Shifting of daily operated S. V. in roads under heavy traffic ...	395	...	395
Extension of 6" main in Telwadi through Satta Gully ...	6,118	588	6,706
Conversion of a daily operated sluice valve of hycos over 12" into electrically operated ones ...	7,351	21,221	28,572
	1,155	8,412	9,567
	Cr. 16	...	Cr. 16
II—Water Works—Works in Progress Brought Over ...	1,36,34,586	34,67,217	1,71,01,803
II—Water Works—Carried forward ...	5,50,82,523	...	5,50,82,523

## APPENDIX No. 8—(Contd.).

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
II—Water Works Carried forward ...	5,50,82,523	...	5,50,82,523
II—Water Works—Works in Progress Carried forward ...	1,36,34,586	34,67,217	1,71,01,803
Resurfacing the pathways at Malbar Hill Reservoir and Bhandarwada Hill Reservoir Gardens with soil cement ...	...	357 2	357 2
Adding first floor to Mali's Quarters at Siri Roads ...	...	4,885	4,885
Providing a 4" water main for gardening purposes at Malbar Hill Enlarging the existing 6" main in Shaiekh Memon Street to 12" between Kalbadevi and Princess Street ...	...	69	69
Providing an additional bay and a floor over the mechanic's shop in the Maintenance Workshop at DeLisle Road ...	...	6,255	6,255
Extending the 5" main in Mangalwadi (D Wards) ...	...	3,902	3,902
Enlarging 18" water main in Veer Nariman Road (Churchgate Street) to 24" from Flora Fountain to Elphinstone Circle ...	...	1	1
Laying 3" hydrants mains in Sonapur Cross Lane ...	...	2,729	2,729
Laying 3" hydrant main in Sorabji Santoke Lane ...	...	1,808	1,808
Extending 6" main with hydrants on tin Road No. 50 of Scheme No. 57 (Sewri Wadala) ...	...	4,975	4,975
Proposed public garden at Powai ...	...	28,177	28,177
Providing 5" water mains with hydrants in Cavell Street Cross Lanes (Nos. 2, 4, 5 and 9) ...	...	21,947	21,947
Laying 5" main in Ripon Road Cross Lane to be connects to the 6" main in Ripon Road ...	...	2,289	2,289
Laying 6" water mains in Falkland Road 5th, 7th and 8th Cross Lanes ...	...	5,313	5,313
Laying 6" water main in public passage off Durga Street ...	...	1,668	1,668
Laying a 6" water main in road leading to Kala Killa off Dharavi Road ...	...	7,433	7,433
Construction of a BEST Sub. Station for Malbar Hill Reservoir...	...	2	2
Laying 6" main in East Footpath of Queen's Roads from Veer Nariman Road to 1st Marine Street ...	...	19,323	19,323
Combined structure for storage of Steel Cement, hoses and cateen in the maintenance yard ...	...	11,504	11,504
Laying 6" main in Dabholkar Wadi off Parel Tank Road ...	...	7,273	7,273
Laying 3" hydrant main in Nabiulla Road ...	...	2,254	2,254
Laying 3" hydrant main in Jambulwadi ...	...	2,897	2,897
Laying 6" main in Lad Wadi ...	...	2,784	2,784
Laying 6" water main in Kolbhat 1st Cross Lane ...	...	5,160	5,160
Laying 5" water main in Gavli Wadi ...	...	2,815	5,815
Providing an 18" electrically operated S. V. on 32" main in Grant Road ...	...	10,410	10,410
Enlarging the existing 6" main to 12"-18" in Kandawadi Lane and connecting it to 24" main in Girgaon Road and 18" main in C. P. Tank Road ...	...	3	3
II.—W. W. Works in progress—Carried forward...	1,36,34,586	36,23,452	1,72,58,038
II.—Water Works—Carried forward ...	5,50,82,523	...	5,50,82,523

## APPENDIX No. 8.—Contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
II—Water Works—Carried forward ...	5,50,82,523	...	5,50,82,523
II—Water Works in progress—Brought over ...	1,36,34,586	36,23,452	1,72,58,038
<b>AUGMENTATION OF THE CITY'S WATER SUPPLY— VAITARNA-cum-TANSA SCHEME—</b>			
I.—Survey ...	93,591	...	93,591
II.—Preliminary Works ...	20,69,815	Cr. 6,568	20,63,247
III.—Land Acquisition ...	8,07,700	1,59,504	9,67,204
IV.—Dam and appertenant Works ...	4,25,96,260	1,30,16,686	5,56,12,946
V.—Tunnels and Appertenant Works ...	1,54,71,069	7,06,174	1,61,77,243
VI.—(1) 96" diam. pipe line (from Tansa to Powai) (2) 96" diam. pipe line (from Tunnel fan No. 6 to Tansa) ...	2,20,45,583	93,96,478	3,14,42,061
VII.—Quarters, Store houses, Offices ...	7,07,185	1,745	7,08,930
VIII.—Miscellaneous ...	31,56,049	1,40,257	32,96,286
IX.—Supervision Charges ...	40,45,965	7,88,985	48,34,950
<b>IMPROVING THE DISTRIBUTION SYSTEM IN THE CITY— INLETS TO SERVICE RESERVOIR (FOR M. H. R. AND B. H. R.)—</b>			
(a) A 72" main between Nana's Chawk and M. H. R. with its cross connection ...	18,34,157	57,183	18,91,340
(b) A 48" main from Sion Sluice House to B. H. R. with its cross connections ...	18,662	70	18,732
(c) 96" main from Powai to Mahim ...	72,32,179	24,05,428	96,37,607
(d) Laying a 48" new outlet from M.H.R. for Serving Kalbadevi area with its distributories ...	27,66,624	12,49,020	40,15,644
(e) Laying a 48" new outlet from Malbar Hill Reservoir upto Flora Fountainn sevre the Fort Area. ...	...	82,709	84,709
(f) 57" main from Mahim to Worli Naka ...	2,000	58,845	58,845
(g) 57" main from Mahim to Futka Tank ...	...	...	...
Total works in progress ...	11,64,81,425	3,16,79,948	14,81,61,373
Grand Total ...	17,15,63,948	3,16,79,948	20,32,43,896
Tansa Triplication works completed (as per report 1948-49) ...	4,99,46,291	...	4,99,46,291
II.—Water Works Total ...	22,15,10,239	3,16,79,948	25,31,90,187
<b>III.—EDUCATION—PRIMARY.</b>			
<b>SCHOOL BUILDINGS—</b>			
Works completed (as per Report for 1953-54) ...	27,98,112	...	27,98,112
<b>Works in progress:—</b>			
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
<b>IV.—EDUCATION—SECONDARY.</b>			
<b>Works in progress—</b>			
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
<b>V.—PUBLIC HEALTH.</b>			
<b>Works completed (as per Report 1953-54)</b>			
Work completed—	17,27,191	...	17,27,191
Providing a cemenetry for Sinhalese Buddist at Sewri Scehme No. 57.	25,309	...	25,309
Total—Work Completed ...	17,52,500	...	17,52,500
<b>Works in Progress—</b>			
Constructing of an underground S.W. Drain and provding C. C. Passage at Tank Bunder Cemetery ...	30,006	1,308	31,314
Construction of a Swimming Pool at Shivaji Park ...	11,32,139	11,216	11,43,355
Extension of Hindu Cemetery No. 74 at Worli ...	463	1,02,959	1,03,422
Acquisition of land occupied by Milch CattleStables in the City of Bombay ...	33,14,424	22,18,843	55,33,267
Construction of a Building for an electrically operated crematorium at Chandanwadi ...	2,49,655	5,432	2,55,087
Total—Works in Progress ...	47,26,687	23,39,758	70,66,445
V.—Public Health—Total ...	64,79,187	23,39,758	88,18,945

‡ Inclusive of Government Share of contribution of Rs. 5 lakhs.

## APPENDIX No. 8—contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
VI.—MEDICAL RELIEF AND EDUCATION.	Rs.	Rs.	Rs.
Works completed (as per Report for 1953-54) ...	83,12,633	...	† 83,12,633
<b>Works in progress—</b>			
Extension of Nurses Quarters kitchen in the Nurses Quarters and fencing over the compound wall at Arthur Road Hospital ...	48,014	384	48,398
Additions and alterations to V. D. Clinic Building at Bellasis Road ...	44,911	1,058	45,969
Provision of a Blood Bank at K. E. M. Hospital ...	87,628	134	87,762
Construction of a Badminton Court and one Canteen for the students of the G. S. Medical College ...	60,327	...	60,327
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 ...	4,43,939	6,352	4,50,291
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 ...	3,43,078	481	3,43,559
Converting the existing Casualty 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 accommodation to 60 beds ...	46,739	20,244	66,983
Provision of wooden counters with gas and water fittings in the laboratory of the Physiological Pathology Dept. of Topiwala National Medical College ...	178	3,833	4,011
Providing an overhead storage tank with a sluice pump at Bellasis Road Maternity Home ...	17,308	...	17,308
Works at R. P. T. B. Hospital—			
(i) Construction of a drying shed ...	16,258	...	16,258
(ii) Additions and alterations to the existing mortuary ...	...	262	16,520
(iii) Additions and alterations to the existing R.M.O.'s Quarter ...	...	...	...
(iv) Additions and alterations to the existing Nursery Quarters ...	164	104	268
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. 1,23,084	3,94,991	2,71,907
(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 Municipal 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 accommodate 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
Purchase of furniture for N. H. Dental College ...	65,932	...	65,932
Purchase of equipment for N. H. Dental College ...	1,36,800	1,59,775	2,96,575
Improvement in Water Supply at K. E. M. Hospital ...	17,965	...	17,965
Additions and alterations on the ground floor and addition of 1st floor to the X-Ray Therapy Department at the K. E. M. Hospital ...	65,005	2,138	67,143
Construction of permanent buildings at M.G.H. Sion ...			
(1) Construction of building No. 1 comprising of basement and ground floor ...	...	116	116
(2) Cost of land for outright payment ...	...	5,76,900	5,76,900
(3) Construction of Building No. 2 ...	...	...	...
Acquisition of land in C.S. No. 1598 of Byculla Division for the extension of Bai Yamunabai L. Nair Charitable Hospital and T. N. M. College ...	...	3,68,235	3,68,235
Providing 2 additional floors over the existing R.P.T.B. Hospital Building at Sewri ...	...	40,502	40,502
Acquisition of C.S. No. 1597 part of Byculla Division for the extension of Bai Yamunabai L. Charitable Nair Hospital and Topiwala National Medical College ...	...	38	38
<b>Total Works in Progress</b> ...	<b>19,39,804</b>	<b>15,75,547</b>	<b>35,15,351</b>
<b>Total VI Medical Relief</b> ...	<b>1,02,52,437</b>	<b>15,75,547</b>	<b>1,18,27,984</b>

† 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.

\* Expenditure amounting to Rs. 1,10,000 is booked under Trust Fund.

## APPENDIX No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
<b>VII.—STREET CLEANSING CONSERVANCY ROAD WATERING AND HALALKHORE SERVICE</b>			
Works completed (as per Report for 1953-54)	71,60,525	.....	71,60,525
Works in progress—			
Conversion of insanitary basket-privies into water-closets by subsidising 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 ...	1,09,492	Cr. 32,054	77,438
Construction of Public conveniences in different parts of the City	1,37,664	3,514	1,41,178
Construction of chawls at Chinchpokli for the Labour Staff of the Conservancy Branch of the Health Department ...	4,27,358	716	4,28,074
Providing water connection for the supply of water to the labourers of the unloading contractors at Chembur and for domestic purposes ...	15,538	.....	15,538
Construction of Additional Sanitary Conveniences at the Mangarudi Camp near the Matunga Labour Camp ...	1,24,632	.....	1,24,632
Renewing the old air and sealed sewage mains in the City ...	3,03,333	37,930	3,41,263
Constructing an additional Pumping Station at Love Grove ...	21,42,780	6,61,474	28,04,254
Providing a pumping station in place of Ejector Station at Chinchpokli ...	1,39,948	81	1,40,029
Acquisition of land to the south of Dadar Purification Work ...	6,59,975	77,786	7,37,761
Constructing an additional floor slab to the transformer house Love Grove Pumping Station ...	54,562	623	55,185
Works in connection with the scheme for the sewage at Wadala, Gowari Parts of Sewri Sion and Dharavi ...	2,08,647	.....	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 ...	14,948	.....	14,948
(ii) Constructing a sump well and supply and erection of a Pumping Station ...	83,075	.....	83,075
(iii) Construction of 42" and 48" 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 Fergusson and DeLisle Road ...	4,35,442	.....	4,35,442
Laying 54" Hume Pipe Sewer from the junction of the proposed 36" sewer and 48" Hume Pipe sewer to the head manhole of 57" existing sewer along the new open channel ...	40,537	.....	40,537
(2) Doing away with the surcharged condition of sewers draining to Arthur Road Ejector ...			
(i) 33" Sewer in Kalachowki Road ...	1,82,660	4,961	1,87,621
(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 ...	20,787	.....	20,787
Laying 36" hume pipe sewer from T. P. Line Road to proposed 100' Road through R. C. Cemetery at Haines Road ...	82,524	1,325	83,849
30" in T. P. Line ...	268	.....	268
Construction of a pump House and Sump Well ...	11,004	6	11,010
Providing and installing Pumping Sets ...	1,692	.....	1,692
Purchasing land for Pump House ...	630	16,695	17,325
Construction of a compound wall around the new pumping station at T. P. line Road & Fergusson Rd. ...	3,798	186	3,984
Laying Rising main 30" dia in Tulsei Pipe Line Road from Pumping Station to Gravitation Sewer ...	5,511	Cr. 293	5,213
Additional Works at Dadar Purification Works ...	59,802	57	59,859
Extension of Purification Plant at Dadar ...	30,41,922	12,236	30,54,158
Laying sewers in certain roads in the City where no sewers exist...	1,69,261	25,056	1,94,317
Sewerage Scheme of Dharavi ...	22,42,126	1,50,728	23,92,854
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. ...	93,916	.....	93,916
Extension of a Pumping Station at Matunga and connecting the same to the existing ovoid sewer ...	1,88,889	7,373	1,96,262
Improving the existing sewerage system in the City ...	35,35,083	1,71,568	37,06,651
Diverting the discharge from the 16" s.s. main at the Carrol Road Ejector to 2"-2 S. W. drain along Fitwala's Road ...	8,770	2,917	11,687
Acquisition of certain plots in connection with the extension of the Labour Camp at Chembur ...	1,29,115	24	1,29,139
Works in Progress—Carried forward ...	1,67,77,356	11,42,904	1,79,20,260
<b>VII.—Street Cleansing Total—Carried forward ...</b>	<b>71,60,525</b>	<b>.....</b>	<b>71,60,525</b>

## APPENDIX No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
VII.—Street Cleansing—Carried forward ...	71,60,525	...	71,60,525
Works in Progress—Carried forward ...	1,67,77,356	11,42,904	1,79,20,260
Reconstructing and renovating the Municipal chawls at Colaba occupied by the Conservancy Staff of the P. H. D. ...	2,39,190	2,68,491	5,07,681
Reconstruction of the damaged sea wall of the biological Installation at Banganga together with staff quarters, etc. ...	71,524	7,768	79,292
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 ...	3,75,875	99,170	4,75,045
Sewer connections to buildings in different parts of the City ...	52,760	37,731	90,491
Construction of 244 additional tenements for conservancy staff of the Health Department at Bapty Road Yard ...	2,649	5,47,277	5,49,926
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	9	79
Diverting the discharge from the existing sealed sewage main of Wadala Pumping Station into a new sewer proposed to be laid in Katrak Road ...	1,153	...	1,153
Replacing the existing 6" pipe sewer in Tadwadi off Girgaum Road by 9" pipe sewer ...	16,378	6,255	22,633
Laying a 33" dia pipe sewer in Dadar, Road etc. ...	963	73,756	74,719
Replacing the floating roof over the digesion Tank at D. P. Works by a M. S. Sheetare ...	181	...	181
Diverting the existing 15" seal as sewage main of Chinchpokli Ejector Stationer ...	2,931	2,319	5,250
Constructing a structure for repairs workshop at D. P. Works ...	14,822	2,783	17,605
Construction of a sanitary block at Nare Park ...	...	11,466	11,466
Works in Progress—Total ...	1,75,55,852	21,99,929	1,97,55,781
VII Street cleansing—Total ...	2,47,16,377	21,99,929	2,69,16,306
VIII.—ROADS, DRAINS AND SEWERS			
ROADS AND OVERBRIDGES—			
ROADS—			
Works completed (as per Report for 1953-54) ...	*1,08,34,109	...	* 1,08,34,109
Works in Progress—			
Remaking Roads in accordance with demands of heavy traffic... ..	66,33,340	...	66,33,340
Permanent construction of existing Kutchra footpaths ...	12,83,648	1,428	12,85,076
Constructing a pucca retaining wall at the toe of Walkeshwar Road to support the Embankment ...	94,810	...	94,810
Widening 1st Marine Street ...	3,03,439	...	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 ...	2,70,233	544	2,70,777
Renewal of surfaces of roads for which no renewal fund exists. Providing traffic amenities such as (a) Subways and over-bridges (b) Traffic Islands (c) Pedestrian crossings ...	12,47,247	1,23,480	13,70,727
Filling in certain low lying lands* ...	2,02,177	5,115	2,07,292
Widening the bottleneck at Dharavi Road near the Municipal Sluice House ...	62,154	511	62,665
Construction of footpaths where no footpaths exist ...	61,638	...	61,638
Renewal of Surfaces of Roads taken over from Ex-Trust—Victoria Gardens Road, etc. ...	2,73,207	6,746	2,79,953
Widening the existing Kalewadi Lane to 20' and extending it to meet Queen's Road just in front of Charni Road Railway Station ...	3,22,816	...	3,22,816
Construction of half-width carriage way with a katchra footpath on the east-side of Tulsi Pipe Line between Dadar Main Road and Dadar Purification Works ...	39,705	26	39,731
Acquisition of properties in connection with the construction of new 72' Road connecting Girgaum Road to Charni Road ...	73,831	...	73,831
Paving footpath at Mahim Causeway from Mori Road to the bridge ...	4,13,191	...	4,13,191
Widening Chowpatty Sea Face between French Road and Harve Road ...	40,646	...	40,646
...	77,287	...	77,287
Works in progress—Total Carried forward ...	1,14,32,100	1,37,850	1,15,69,950
Total Roads Carried forward ...	1,08,34,109	...	1,08,34,109

\* 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 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
Total—Roads Brought forward ...	1,08,34,109	...	1,08,34,109
Total—Works in progress Brought forward ...	1,14,32,100	1,37,850	1,15,69,950
Construction of $\frac{1}{2}$ width Tulsi Pipe Line Road from Dādar to Mahim ...	1,73,613	...	1,73,613
Widening Chowpatty Road ...	2,76,726	...	2,76,726
Paving footpath at Mahatma Gandhi Road from Dhobi Talao to Churchgate Street (Cement concrete pavement in situ) ...	93,804	40	93,844
Constructing Tejpal Road West of Gowalia Tank Maidan ...	36,278	...	36,278
Widening the South Approach of Bandra Causeway ...	1,08,810	...	1,08,810
Extending Chowpatty Bunder ...	1,365	28,740	30,105
Widening of Globe Mill Passage ...	Cr. 5,631	...	Cr. 5,631
Reconstructing a portion of a compound wall of the old Maratha Hospital premises ...	...	3,251	3,251
Total—Works in progress ...	1,21,17,065	1,69,881	1,22,86,946
Total Roads ...	2,29,51,174	1,69,881	2,31,21,055
OVERBRIDGES—			
Works completed (as per Report for 1953-54) ...	† 54,36,316	...	54,36,316
Construction of an overbridge across the Harbour Branch Line of G. I. P. Railway South of Kurla Station ...	6,300	...	6,300
Overbridges—Total ...	54,42,616	...	54,42,616
STREET IMPROVEMENTS—			
Street Improvements in different places—Set-backs ...	1,81,74,362	4,98,205	1,86,72,567
Adding set-backs to roads ...	6,02,230	20,209	6,22,439
Special Street Improvements ...	** 19,000	...	19,000
Street Improvements—Total ...	1,87,95,592	5,18,414	1,93,14,006
DRAINS AND SEWERS—			
Works completed (as per Reports for 1953-54)	3,73,56,240	...	3,73,56,240
Drainage connections in different parts of the City ...	7,83,840	...	7,83,840
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—	2,40,584	1,481	2,42,065
Providing underground S. W. Drains in lieu of the existing open side drains in the City (1) D'Lima Street; (2) Matharpakhadi; (3) Bhoiwada ...	2,55,713	422	2,56,135
Providing Storm Water Drains in certain roads in the City where no W. Drains exist ...	2,49,786	7,023	2,55,809
Additional floor over Chowkidar's quarters at (G Ward) Office * at DeLisle Road ...	7,346	...	7,346
Construction of a shed at Babulla Tank Drainages 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 ...	13,607	1,775	15,382
Measures for relieving flooding in the City ...	1,11,585	37,780	1,49,165
Doing away with the open side drain on the east side of Warden Road ...	19,643	...	19,643
Acquisition of land for shifting cemeteries at Hains Road in connection with the proposed Love Grove out fall work ...	3,55,898	68,364	4,24,262
Providing storm water outlets at Chowpatty foreshore ...	1,22,864	355	1,23,219
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 ...	1,93,294	507	1,93,801
Diversion of Storm Water drains passing across the Grant Road Railway Station ...	25,723	10,804	36,527
Providing carriage entrances in front of completed buildings ...	24,153	2,102	26,255
Permanent construction of Sleater Road between Grant Road Railway Station and Nana Chowk including drainage and lighting ...	53,576	Cr. 2	53,574
S. W. drainage connections to the buildings in different parts of the City ...	25,405	9,199	34,604
Providing baths and washing places for the workers at Worli Crushers and Asphalt Plant ...	10,756	80	10,836
Strengthening the north wing wall at cleave Land Bunder out fall and extending the same to prevent the blocking of the out fall channel ...	7,636	Cr. 534	7,102
Raising Sea-wall at Hornby Vellard and providing kerb line and drainage arrangement ...	...	74,778	74,778
Total—Works in progress ...	26,60,374	2,14,134	28,74,508
Drains & Sewers ...	4,00,16,614	2,14,134	4,02,30,748
VIII—Roads Drains & Sewers ...	8,72,05,996	9,02,429	8,81,08,425†

† 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

† This includes Rs. 15,995-1-0 met out of premia on Loans.



## APPENDIX No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954.	EXPENDITURE DURING 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
<b>IX.—MECHANICAL</b>			
Works completed (as per Report for 1953-54.) ...	31,47,785	...	31,47,785
Works completed during the year ...	...	...	...
Providing additional transformer at Love Grove Pumping Station ...	1,41,215	...	1,41,215
Total—Works completed ...	32,89,000	...	32,89,000
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 ...	1,46,366	—	1,46,366
Renewing 15" Sealed Sewage main of the DeLisle Rd. Ejector ...	43,989	...	43,989
Purchasing and erecting of a modern types slow speed air compressor at Warden Road air compressor station ...	34,220	...	34,220
Installation of a Foundary at the Municipal Work shop ...	41,561	5,455	47,016
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
Converting a portion at the damaged at 'C' Ward Stables at North Brook Gardens in to motor garages ...	...	14,126	14,126
Reconstructing a portion of a compound wall of the Maratha Hospital premises ...	...	3,251	4,251
Works in progress—Total ...	2,78,959	22,832	3,01,791
IX.—Mechanical—Total	35,67,959	22,832	35,90,791
<b>X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT</b>			
COMPLETED WORKS TRANSFERRED FROM—			
XII.—Building Regulations and other measures for Public Safety—(As per Report for 1953-54) ...	17,292	...	17,292
Works completed—			
Mahalaxmi Overbridge ...	13,75,263	...	13,75,263
Golanji 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 ...	61,73,956	...	61,73,956
Plant and Machinery ...	20,673	...	20,673
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 northward 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
Acquisition of C.S. No. 2/521 of Malhar Hill Division at Nana Chowk for set Back, School and Office Building etc. ...	...	13,94,033	13,94,033
Town planning Scheme for the area near Masjid Station devastated by the explosion—Preliminary expenses, cost of Survey and acquisition ...	4,35,600	79,010	5,14,610
Development of the Interior portion of the Northern part of the Island at Mahim ...	4,02,190	1,08,077	5,10,267
Acquisition of land bearing C.S. No. 654 at Tardeo Malhar Hill Division for construction of a School building Municipal offices and quarters for essential service personnel ...	...	238	238
Mahim Development—Total ...	87,64,740	15,81,358	1,03,46,098
Interest on Capital ...	70,10,837	...	70,10,837
X.—Buildings, Land Acquisition and Management Total...	4,38,49,489	15,81,358	4,54,30,847
<b>XI.—FIRE BRIGADE</b>			
Works completed (as per Report for 1953-54) ...	13,56,156	...	13,56,156
Works in Progress—			
Construction of a part of the proposed Fire Brigade Station at Worli ...	2,57,232	8,465	2,65,697
Acquisition of land bearing C.S. No. 313/69 (Part), 124 and 3/63 (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	7,11,000	7,11,070
XI.—Fire Brigade—Total ...	16,13,458	7,19,465	23,32,923

## APPENDIX No. 8—Contd.

	Total Capital Expenditure upto 31st March 1954	EXPENDITURE DURING 1954-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
<b>XIII.—GARDENS AND OPEN SPACES</b>			
Works completed (as per Report for 1953-54) ...	36,76,874	...	36,76,874
Reconstructing a portion of a compound wall of the old Marathe Hospital premises ...	19,210	650	19,860
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
Filling in plot 'C' at Bhulabhai Desai Road with incidental works and laying out a children's playground thereat ...	22,867	12,124	34,991
Proposed Nursery Stores Shed at Victoria Gardens...	13,936	10,146	24,142
Additions and alterations to the conservancy at Victoria Gardens.	20,291	9,077	29,368
<b>XIII—Gardens—Total ...</b>	<b>37,82,040</b>	<b>31,997</b>	<b>38,14,037</b>
<b>XIV.—MARKETS AND SLAUGHTER HOUSES</b>			
Works completed (as per Report for 1953-54) ...	82,73,269	...	82,73,269
Works completed— Acquisition of Government land bearing C.S. No. 1/408 (Part) of Parel Source Division for a proposed market ...	3,180	...	3,180
<b>Total—Works completed</b>	<b>82,76,449</b>	<b>...</b>	<b>82,76,449</b>
Works in progress— Constructing a building for a new and up to date Refrigerator plant at A. C. Market ...	1,68,738	...	1,68,738
Extension of fish section at Arthur Crawford Market ...	6,77,916	593	6,78,509
Construction of a temporary Market at Gopi Tank ...	54,721	1,092	55,813
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	2,62,683	2,62,760
Proposed covered Market at Dr. Meishri Road.	126	1,19,968	1,20,094
<b>Works in progress Total</b>	<b>9,23,974</b>	<b>3,84,336</b>	<b>13,08,310</b>
<b>XIV.—Markets and slaughter Houses—Total ...</b>	<b>92,00,423</b>	<b>3,84,336</b>	<b>95,84,759</b>
<b>XV.—SLUM SERVICE.</b>			
Works completed (as per Annual Report for 1953-54) ...	3,72,012	...	3,72,012
Works in progress— Construction of Drains and filling in storm water channel from Fergusson Road to Haines Road ...	2,89,144	7,027	2,96,171
Realigning and regrading open storm water channel from Dadar Pumping Plant upto Century Mill ...	4,55,832	38,355	4,94,187
Covering open drain behind Arthur Road Prison ...	...	38,153	38,153
<b>XV—Works in Progress—Total ...</b>	<b>7,44,976</b>	<b>83,535</b>	<b>8,28,511</b>
<b>XV.—Slum Service—Total ...</b>	<b>11,16,988</b>	<b>83,535</b>	<b>12,00,523</b>
<b>XVI.—MEASURES FOR CIVIL DEFENCE.</b>			
Purchase of Stores Equipment ...	1,87,149	...	1,87,149
<b>XVII.—GREATER BOMBAY.</b>			
Preliminary expenses in connection with the preparation of the Master Plan for Greater Bombay (Municipal Share) ...	2,25,228	36,055	2,61,283
<b>DISCOUNT AND OTHER CHARGES ON THE LOANS</b>			
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	56,875	11,60,733
do. Rs. 245 do. 1953-54 ...	4,60,671	40	4,60,711
do. Rs. 450 do. 1954-55 ...	...	4,62,487	4,62,487
<b>Discount and other charges—Total</b>	<b>41,04,792</b>	<b>5,19,402</b>	<b>46,24,194</b>

\* Out of this, a sum of Rs. 11,034-15-0 was met out of premia on loans.

## APPENDIX No. 8.

	Total Capital Expenditure upto 31st March 1954	Expenditure during 1945-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
<b>PLANT AND MACHINERY</b>			
Completed Items—			
Plant and Machinery purchased (as per Reprpt for 1953-54) ...	20,95,395	...	20,95,395
<b>PLANT AND MACHINERY TO BE PURCHASED OUT OF NET PREMIA FUND</b>			
<b>II.—WATER WORKS</b>			
Replacing the pumps of portable chlorinating unit and providing it on chassis ...	1,891	4,091	5,982
Replacement of 75 H.P. Booster Pumps (2 Nos.) at Bhandarwada Hill Reservoir ...	7,648	4,658	12,306
Purchase of a light van or station wagon for fire service ...	12,417	—	12,417
Providing a travelling crane for motor repair shop at DeLisle Road ...	3,534	—	3,534
Purchase of 15 H.P. Motor for Maintenance Workshop ...	1,995	—	1,995
Replacement of lighting set at Tansa ...	23,527	—	23,527
Purchase of new meters ...	31,068	—	31,068
Purchase of 2,842 new meters for replacement of old ones ...	3,48,805	—	3,48,805
Purchase of new meters ...	1,48,335	—	1,48,335
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 ...	20,562	...	20,562
Purchase of spare spindles for electrically operated sluice valves ...	990	...	990
<b>V.—PUBLIC HEALTH DEPARTMENT</b>			
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 chassis 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
Purchase of 1½ ton to 2 ton stude Baker Truck for I. O.'s Office ...	...	1,050	1,050
<b>VI.—MEDICAL RELIEF AND EDUCATION</b>			
Extension of Mortuary Cabinet at the Arthur Road Hospital ...	7,862	...	7,862
<b>VII.—STREET CLEANSING AND CONSERVANCY, Etc.</b>			
Purchase of Equipment for improving the methods of collection and transport of refuse in the City ...	3,65,075	45	3,65,120
<b>VIII.—ROADS, DRAINS AND SEWERS</b>			
Purchase of a portable asphalt mixer—required in connection with the work of renewing Street Asphalt Surfaces of Roads ...	31,752	...	31,752
Heavy 3 Wheels Road Rollers (No. 5) ...	2,03,213	511	2,03,724
Purchase of 8 Road Rollers ...	1,33,685	...	1,33,685
Purchase of one Industrial Wheel tractor 4 of 25 drawbars H.P. ...	87	...	87
Supply and erection etc., of 80 B.H.P. motor at Worli ...	13,126	...	13,126
Light Road Rollers (No 8) ...	1,35,779	...	1,35,779
Electric Motor 80 H.P. Stand Bye For Crushers ...	12,000	...	12,000
Vibrators for Road Concrete ...	4,079	...	4,079
Gas Welding Plant ...	975	...	975
One Electric Air Compressor of 10 at capacity ...	1,584	...	1,584
<b>MUNICIPAL PRINTING PRESS</b>			
25 Steel Chasis of different Sizes ...	...	698	698
250 Galley ...	...	1,460	1,460
Plant Machinery to be purchase out of Net Premia Fund Total ...	15,51,331	12,513	15,63,844
<i>Plant and Machinery to be purchased out of Fire Accident Insurance Fund.</i>			
<b>II.—WATER WORKS</b>			
Purchase of a radial Drilling Machine for the outside City Division ...	11,925	5,158	17,083
Purchase of Pumps for maintenance Branch ...	...	1,625	1,625
Replacement of Jonson Sea Horse out board boat Engine for Tansa ...	...	1,777	1,777
Purchase of new meters ...	2,34,724	...	2,34,724
Purchase of one enclosed van for Fire Service for the distribution Branch ...	12,702	...	12,702
Purchase of Power Turn Cock for Hydraulic Engineers' Department ...	17,306	...	17,306
Purchase of 2,842 New Meters for replacement of old ones ...	31,860	...	31,860
<b>V.—PUBLIC HEALTH DEPARTMENT</b>			
Purchase of one Hearse (in replacement of BMY 5680) ...	...	14,378	14,378
<b>VI.—MEDICAL RELIEF AND EDUCATION</b>			
Disinfecter boiler vertical type at K. E. M. Hospital ...	10,193	492	10,685
Purchase of short wave diathermy Machine for B. Y. L. Nair Charitable Hospital ...	...	3,386	3,386
Purchase of Mobile Infant Unit for B. Y. L. Nair Hospital ...	...	2,251	2,251
Refrigerator (in replacement of old one) for B. Y. L. Nair Hospital ...	...	1,725	1,725
Fire and Accident Insurance Fund—Total Carried forward ...	3,18,710	30,792	3,49,502

## APPENDIX No. 8.—(contd.)

	Total Capital Expenditure upto 31st March 1954	Expenditure during 1954-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
Fire and Accident Insurance Fund Total Brought forward ...	3,18,710	30,792	3,49,502
<b>VII.—STREET, CLEANSING AND CONSERVANCY</b>			
Construction of 50 steel wood composite Refuse Wagons ...	27,543	22,995	50,538
Installation of two additional pumping sets with necessary equipments at Mahim Pumping Station ...	60,548	194	60,742
Replacing pumps at D. P. Works by pumps of larger capacity ...	1,00,870	21,849	1,22,719
Supply and erection of two electrically driven vertical spindle pumps for Matunga Pumping Station ...	55,489	1,646	57,135
Supply and installation of four electrically driven pumping sets for the proposed Pumping Station at T. P. Line Road ...	1,04,617	33,405	1,38,022
Purchase of equipment for improving the methods of collection and transport of refuse in the City ...	31,196	...	31,196
Purchase of spare motors for sulzeg vichar Gill Pumps at Love Grove Pumping Station ...	47,770	...	47,770
<b>IX.—MECHANICAL</b>			
Purchase of one portable electric welding set for the use of Municipal Workshop ...	1,361	...	1,361
<b>XIV.—MARKETS AND SLAUGHTER HOUSES</b>			
Providing a new and upto date Refrigerator Plant at Arthur Crawford Market ...	1,27,253	...	1,27,253
Purchase of 2 vehicles for meat carriage ...	24,795	...	24,795
<b>MUNICIPAL PRINTING PRESS</b>			
Purchase of High Speed Centurian two revolution Press ...	4,705	548	5,253
Plant Machinery to be purchase out of Fire and Accident Insurance Fund Total ...	9,04,857	1,11,429	10,16,286
<i>Plant and Machinery to be purchased out of K. E. M. Hospital Research Fund.</i>			
<b>II.—WATER WORKS</b>			
Purchase of one Radial Drilling Machine for Workshop ...	11,064	...	11,064
Replacement of Pressure Recorders (No. 10) ...	4,455	...	4,455
<b>V.—PUBLIC HEALTH DEPARTMENT</b>			
Purchase of 1½ ton to 2 ton Stude Baker Truck for I. Os' Office ...	...	39	39
Purchase of a new Van for fittings in a 35 M.M. sound equipment in replacement of the present Van ...	21,414	...	21,414
<b>VI.—MEDICAL, RELIEF AND EDUCATION</b>			
Refrigerator Domestic Type No. 756697 (G.E.) at G. S. M. College ...	1,132	...	1,132
<b>VII.—STREET, CLEANSING AND CONSERVANCY, ETC.</b>			
Purchase of one vehicle for offal ...	2,510	...	2,510
Plant and Machinery to be purchased out of K. E. M. Hospital Research Fund—Total ...	40,575	39	40,614
<i>Plant and Machinery to be purchased out of Precast Concrete Slab Pavement Renewal Fund.</i>			
<b>I.—GENERAL SUPERVISION</b>			
Provision of a suitable water cooler with water connections to each floor at the Municipal Head Office to meet the need of the Staff ...	...	158	158
Replacement of Municipal Commissioner's Car ...	17,392	...	17,392
<b>VI.—MEDICAL, RELIEF AND EDUCATION</b>			
Lift for the K. E. M. Hospital ...	...	28,528	28,528
<b>VII.—STREET, CLEANSING AND CONSERVANCY, ETC.</b>			
Purchase of machinery required for a repair workshop at D. P. Workshop ...	17,278	...	17,278
Purchase of the following Laboratory equipment at the D. P. Workshop—			
(A) Orsat Gas Apparatus 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
<b>IX.—MECHANICAL</b>			
Conversion of two milk vans into Ambulances ...	2,960	6,890	9,850
<b>XI.—FIRE BRIGADE</b>			
Purchase of one Turn table Ladder with Pump ...	5,000	...	5,000
<b>XII.—LICENSING, Etc.</b>			
Purchase of one weighing machine in replacement of the existing one ...	1,369	...	1,369
<b>XIV.—MARKETS AND SLAUGHTER HOUSES</b>			
Purchase of two vehicles for meat carriage ...	64,164	...	64,164
Plant and Machinery to be purchased out of Pre cast Concrete Slab Pavement Renewal Fund—Total ...	1,14,262	35,576	1,49,838

## APPENDIX No. 8—(contd.)

	Total Capital Expenditure upto 31st March 1954	Expenditure during 1954-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
<i>Plant and Machinery to be purchased out of Slum Service Fund.</i>			
Purchase of 1½ ton to 2 ton Stude Baker Truck for I. Os' Office ...	...	194	194
VII.—STREET, CLEANSING AND CONSERVANCY, Etc.			
Purchase of 2 vehicles for cesspool ...	7,638	...	7,638
VIII.—ROADS, DRAINS AND SEWERS			
Purchase of 6 Flexible Sewer rods (India) ...	13,430	10,307	23,737
Purchase of 2 Tandem Rollers (8-10 tons) ...	...	87,560	87,560
Electric Motor 80 H. P. Stand Bye for Crushers ...	2,961	...	2,961
Plant and Machinery to be purchased out of Slum Service Fund—Total ...	24,029	98,061	1,22,090
<i>Plant Machinery to be purchased out of Renewal of Road Surfaces Fund.</i>			
VI.—MEDICAL, RELIEF AND EDUCATION			
Refrigerating plant for the cold room at K. E. M. Hospital ...	4,388	...	4,388
VII.—STREET, CLEANSING AND CONSERVANCY, Etc.			
Construction of 50 steelwood composite Refuse Wagons ...	9,566	1,39,005	1,48,571
Purchase of equipment for improving the methods of collection and transport of refuse in the City ...	6,78,408	...	6,78,408
VIII.—ROADS, DRAINS AND SEWERS			
Purchase of one silt Lorry ...	21,417	145	21,562
Purchase of road equipment ...	12,504	...	12,504
Heavy 3 Road Rollers (No. 5) ...	37,476	...	37,476
114" W.B. two ton Truck for construction Chowky at Wadala ...	17,278	...	17,278
IX.—MECHANICAL			
Pulley Blocks ...	2,549	...	2,549
High Speed Sensine drilling Machine ...	...	3,667	3,667
Emery Grinder double ended one No. of 30-35 cwt. capacity ton portable garage Crane ...	...	942	942
Purchase of Meat Vans (2 Nos.) ...	512	2,306	2,306
Spare Centrifugal Pump for the Overhead Storage tank ...	1,263	82,598	83,110
...	...	...	1,263
XI.—FIRE BRIGADE			
Purchase of one motor pump Fire Engine with extension ladder ...	...	7,758	7,758
Taking over 3 Milk Vans from M. E. and converting them into Ambulance for Fire Brigade Department ...	5,291	6,599	11,890
Purchase of a new Fire tender with extension ladders ...	22,194	...	22,194
XII.—LICENSING			
Purchase of 2 vehicles for removal of Encroachments from Public Street ...	37,116	...	37,116
Plant and Machinery to be purchased out of Renewal of Road Surfaces Fund—Total ...	8,49,962	2,43,020	10,92,982
<i>Plant and Machinery to be purchased out of Hospital Fund.</i>			
VI.—MEDICAL, RELIEF AND EDUCATION			
Purchase of X-Ray apparatus for use of the K. E. M. Hospital ...	3,63,252	487	3,63,739
Standby pumping unit complete and placing in position at K. E. M. Hospital ...	...	14	14
Equipment for Neuro-Surgical Unit at K. E. M. Hospital ...	838	3,883	4,721
Purchase of a rotating anode Tube for X-Ray Unit at M. G. M. Sion ...	...	6,783	6,783
Purchase of one short wave Dathermy machine ...	3,949	...	3,949
Purchase of one Verticle Reontgenoscope for B. Y. L. Nair Chatiable Hospital ...	8,615	...	8,615
Purchase of Horizontal High Pressure Sterilizer ...	9,451	...	9,451
Disinfecter boiler vertical Type at the K. E. M. Hospital ...	8,169	...	8,169
Deep X-Ray therapy machine including the cost of constructing a radiation Road Booten ...	76,259	...	76,259
VII.—STREET CLEANSING AND CONSERVANCY			
Taking over trolley tracks and lifting wagons for the purification plans and Dharavi from Vaitarna Works ...	...	10,420	10,420
Purchase of equipment for improving the methods of collection and transport of refuse in the City ...	12,16,890	...	12,16,890
Plant and Machinery to be purchased out of Hospital Fund—Total ...	16,87,423	21,587	17,09,010

## APPENDIX No. 8.—(contd.)

	Total Capital Expenditure upto 31st March 1954	Expenditure during 1954-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
<i>Plant and Machinery to be purchased out of K. E. M. Hospital Equipment Fund.</i>			
VI.—MEDICAL, RELIEF AND EDUCATION, Etc.			
Refrigeration plant for the Cold room at the K. E. M. Hospital ...	23,000	...	23,000
VII.—STREET, CLEANSING AND CONSERVANCY, 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 high speed centurian two Revolution Press ...	43,795	...	43,795
Plant and Machinery to be purchased out of K. E. M. Hospital Equipment Fund —Total ...	84,609	...	84,609
<i>Plant and Machinery to be purchased out of Depreciation Fund for replacement of Plant and Machinery.</i>			
I.—GENERAL, SUPERVISION, AND COLLECTION OF REVENUE, Etc.			
Air conditioning the Western verandah of the M.C.'s Room ...	14,847	...	14,847
II.—WATER WORKS			
Providing level indicating and recording instrument at tower Bungalow at Malabar Hill Reservoir. ...	2,933	...	2,933
V.—PUBLIC HEALTH DEPARTMENT			
Purchase of 1½ Ton to 2 Ton Stude Baker Truck for I. O. S. Office ...	...	16,332	16,332
VII.—STREET, CLEANSING AND CONSERVANCY, Etc.			
Additional capacitors or condensers at D. P. Works Extensions Plant to improve the power factor. ...	11,725	343	12,068
Digestion Tank Agitation Motor ...	...	2,133	2,133
Two numbers of high pressure washing plant ...	...	3,057	3,057
Three Nos. of 30-35 cwt. capacity garage crane ...	...	6,916	6,916
Purchase and installation of one compressor for inflating tyres at Mahalaxmi Sirlings. ...	...	3,401	3,401
O. K. Champion Sewer Cleaners ...	...	39,232	39,232
Provision of capacitors at Colaba A. C. Station to improve the Power factor ...	10,847	507	11,354
Purchase of one silt Lorry No. BMT 4145 ...	...	37,258	37,258
Purchase of a Centrifugal pump with motor for the L. G. P. Station No. 2 ...	457	...	457
Purchase of 3 Karrier Bantam Vehicles ...	54,084	...	54,084
Purchase of 12 Nos. Diesel Drain Chassis and 12 Nos. D. D. Units ...	5,88,492	...	5,88,492
Purchase of two vehicles for cesspool ...	83,370	...	83,370
Purchase of Equipment for improving the methods of collection and transport of refuse in the City ...	11,508	...	11,508
Purchase of vehicles for removal of silt ...	1,12,960	...	1,12,960
Purchase of one vehicle for offal ...	2,000	...	2,000
Purchase of welding plant for the Arthur Road Garage ...	2,641	...	2,641
Portable Air Compressor Unit ...	2,564	...	2,564
VIII.—ROADS, DRAINS AND SEWERS			
Lather Machine (6 ft. size) ...	...	6,477	6,477
XI.—FIRE BRIGADE			
Replacement of one motor ambulance ...	8,574	...	8,574
XIV.—MARKETS AND SLAUGHTER HOUSES			
Purchase of 2 vehicles for meat carriage ...	20,088	...	20,088
Depreciation Fund for Replacement of Plant and Machinery—Total ...	9,27,090	1,15,656	10,42,746
<i>Plant and Machinery to be purchased out of Plant and Machinery Depreciation Fund.</i>			
I.—GENERAL SUPERVISION,			
Conversion of a Milk Van into a semi station wagon for the C.S. Department ...	1,436	3,515	4,951
Purchase of a truck for A. & C.'s Department in replacement of B.M.S. 1201 ...	...	11,387	11,387
VI.—MEDICAL RELIEF AND EDUCATION			
Purchase of encephalogram for B. Y. L. Nair Charitable Hospital ...	22,200	5,083	27,283
Disinfecter boiler vertical type at the K. E. M. Hospital ...	1,898	...	1,898
Purchase of Rotating Anode Tube for B. Y. L. Nair Hospital ...	9,637	...	9,637
Plant Machinery Depreciation Fund Total Brought over ...	35,171	19,985	55,156

## APPENDIX No. 8.—(concl.)

	Total Capital Expenditure upto 31st March 1954	Expenditure during 1954-55	Total Capital Expenditure upto 31st March 1955
	Rs.	Rs.	Rs.
Plant & Machinery Depreciation Fund Total Brought forward ...	35,171	19,985	55,156
<b>VII.—STREET CLEANSING AND CONSERVANCY, ETC.</b>			
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 ...	5,29,271	...	5,29,271
<b>VIII.—ROADS, DRAINS AND SEWERS</b>			
Purchase of road equipment ...	4,33,962	...	4,33,962
<b>XI.—FIRE BRIGADE</b>			
Purchase of one Motor Car ...	17,387	...	17,387
Purchase of one Turn Table ladder with Pump ...	1,82,440	16,144	1,98,584
Purchase of a Motor Pump with extension ladder ...	...	57,695	57,695
Purchase of two fire Tenders with extension ladder ...	...	46,548	46,548
Purchase of two trailer Pumps ...	25,870	147	26,017
Purchase of two Trailer Pumps in replacement of old ones ...	...	21,776	21,776
<b>MUNICIPAL PRINTING PRESS</b>			
Purchase of Delivery Van ...	9,061	...	9,061
Plant and Machinery to be purchased out of Plant and Machinery Depreciation Fund—Total ...	18,14,273	1,62,295	19,76,568
<i>Plant and Machinery to be purchased out of Garden Fund.</i>			
<b>VII.—STREET CLEANSING AND CONSERVANCY, ETC.</b>			
Purchase of one vehicle for offal ...	29,590	...	29,590
Replacing pumps at D. P. Works by pumps of larger capacity ...	20,271	18,542	38,813
Supply and installation of four electrically driven pumping sets for the pro- posed pumping station at T. P. Line Road ...	3,000	...	3,000
<b>X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT</b>			
Purchase of a Car for Special Engineer (in replacement of the B.M.Y. 3777) ...	16,689	...	16,689
Plant and Machinery to be purchased out of Garden Fund—Total ...	69,550	18,542	88,092
Total—Plant and Machinery, Works in progress ...	80,67,961	8,18,718	88,86,679
Total—Plant and Machinery ...	1,01,63,356	8,18,718	1,09,82,074
Assets written off ...	Cr. 38,28,580	Cr. 18,05,310	Cr. 56,33,890
Plant and Machinery—Total ...	63,34,776	Cr. 9,86,592	53,48,184
<i>Trust Fund</i>			
Works completed (as per Report for 1953-54) ...	44,18,338	...	44,18,338
<i>Works in progress—</i>			
Purchase of equipment instruments, etc., for the Blood Bank at K. E. M. Hospital ...	14,781	...	14,781
Construction of an additional floor over Ward Pavilion No. 2 at K. E. M. Hospital ...	2,17,818	16,658	2,34,476
Government Share of the cost of preliminary expenses in connection with the preparation (part expenditure booked under Loan Funds) of Master Plant of Greater Bombay ...	2,10,300	...	2,10,300
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 ...	2,99,997	...	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 ...	99,929	...	99,929
Works in Progress—Total ...	8,90,130	16,658	9,06,788
Trust Fund—Total ...	53,08,468	16,658	53,25,126
<i>Worn-out Water Mains Renewal Fund.</i>			
Works completed (as per Report for 1953-54) ...	9,64,526	...	9,64,526
Worn-out Water Mains Renewal Fund—Total ...	9,64,526	...	9,64,526
<i>Land and Buildings Fund</i>			
Lands purchased and buildings erected out of the Municipal Land and Buildings Fund— Works completed (as per Report 1953-54) ...	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 1955.

	Amount raised.	Amounts repaid out of cash balances.	Net Amount available for expenditure.	I.—General Superintendence, Collection of Revenue.	II.—Water Works.	III.—Education, Primary.	IV.—Education Secondary.	V.—Public Health.	VI.—Medical Education.	VII.—Street Cleaning, Conservancy, Road Watering and Halalkhore Service.	VIII.—Roads, Drains and Sewers.	IX.—Mechanical.	X.—Buildings, Land Acquisition and Management.	XI.—Fire Brigade.	XII.—Gardens and Open Spaces.	XIII.—Markets and Slaughter Houses.	XIV.—Sham Service.	XV.—Measure for Civil Defence.	XVI.—Greater Bombay.	Discount and Other Charges on Loans.	Plant and Machinery.	Total amount Expended on Works upto 31st March 1955.	Balance unexpended on 1st April 1955.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total of different Municipal Loans raised (as per Annual Account 1953-54)	Rs. a. p. 44,28,68,344 9 7	Rs. a. p. 1,50,74,227 4 0																					
Less— Loans Repaid—	Rs. 2,07,378																						
Deduct— Repaid out of Sinking Fund Accumulation & Net Premia Fund		2,07,378 0 0																					
	44,28,68,344 9 7	1,62,81,605 4 0	42,65,86,739 5 7																				
Rs. 4.50 Core Loan for 1954-55	2,00,00,000 0 0		2,00,00,000 0 0																				
Rs. 200 lakhs from Govt.	1,92,49,000 0 0		1,92,49,000 0 0																				
Rs. 180 Lakhs Loan	70,00,000 0 0		70,00,000 0 0																				
Rs. 70 lakhs loan																							
Amount raised during 54.55 for repayment of 28 lakhs loan of 1929.	2,07,378 0 0		2,07,378 0 0																				
Renewal of Road Surfaces for which no Renewal Fund exists and roads taken over from P. Trust	1,23,479 11 9		1,23,479 11 9																				
Purchase of Plant and Machinery for Capital Works—																							
Net Premia Fund	Rs. a. p. 12,513 8 6																						
Municipal Fire & Accident Insurance Fund	1,11,429 0 1																						
K.E.M. Hospital Research Fund	39 0 0																						
Pre-paid concrete slabs Pavement (Renewal Fund)	35,575 9 0																						
Sham Service Fund	98,061 8 0																						
Renewal of Road Surfaces Fund	2,43,019 13 0																						
Hospital Fund	21,586 12 3																						
Depreciation Fund for replacement of Plant and Machinery	1,15,656 4 0																						
Plant and Machinery Depreciation Fund	1,62,294 13 0																						
Garden Fund	18,541 9 6																						
	8,18,717 13 4		8,18,717 13 4																				
Grand Total Rs.	49,02,66,920 2 8	1,62,81,605 4 0	47,39,85,314 14 8	21,63,713 15 2	25,24,35,537 9 11	22,98,012 6 11	20,703 7 0	1,08,22,857 12 6	1,11,27,985 5 2	2,71,31,584 12 1	8,93,37,223 2 1	35,90,790 5 10	3,24,41,735 2 5	23,32,922 5 9	37,96,166 4 1	95,71,408 6 1	12,00,524 4 11	1,87,147 8 0	2,61,284 13 4	46,13,190 4 10	1,11,10,718 6 2	46,31,43,506 4 3	20,70,495 10 9
Works executed out of Special Fund and Contributions—																							
(1) Out of Contributions from—																							
G. I. P. Railway for removing and relaying 32 <sup>nd</sup> Vihar Main, South of Kurli					3,74,000 0 0																		
Port Trust for Wadi Bandar Road											1,56,500 0 0												
Government for Construction of Primary School Buildings						5,00,000 0 0																	
(2) Out of Premia on Loans																							
(3) Out of Special Funds—																							
Invested Fund				7,34,326 8 3																			
Nashik Road Invested Fund																							
Road Improvement Fund																							
Loan Works Establishment																							
Development Fund Receipts					1,40,647 12 7																		
Contribution from Revenue towards Bai Jerbel 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																							
Contribution from Trustees Gokuldas Tejpal Charities for construction of Tejpal Road																							
Grant-in-Aid from Government for widening the Road in Colaba Division																							
	28,98,040 7 5		25,31,90,185 6 6		27,98,012 6 11		20,703 7 0	1,08,22,857 12 6	1,18,27,985 5 2	2,74,33,901 15 9	8,84,00,896 3 4	35,90,790 5 10	454,30,845 9 10	23,32,922 5 9	38,14,036 3 9	96,25,257 2 0	12,00,524 4 11	1,87,147 8 0	2,61,284 13 4	46,24,195 3 10	1,11,10,718 6 2		
Deduct— Flagio Expenditure								20,00,000 0 0															
Amounts written off on account of properties not existing					82,305 14 10			3,912 13 0		5,17,594 3 0	2,92,469 15 0					40,499 14 11							
								20,03,912 13 0															
Expenditure on account of Municipal Printing Press Machinery transferred vide Corporation Resolution No. 856, dated the 11th December 1940																							
Total Rs.	28,15,734 8 7		25,31,90,185 6 6		27,98,012 6 11		20,703 7 0	88,18,944 15 6	1,18,27,985 5 2	2,69,16,307 12 9	8,81,08,426 4 4	35,90,790 5 10	4,54,30,845 9 10	23,32,922 5 9	38,14,036 3 9	95,84,757 3 1	12,00,524 4 11	1,87,147 8 0	2,61,284 13 4	46,24,195 3 10	53,48,182 10 2		

‡ 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 1955, 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 1955.*

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 1955 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			† Rs.		Rs.
<b>6 per cent. Municipal Loans (4 per cent. basis).</b>						
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	...	1st December 1925	8,14,500
<b>5 and 6 per cent. Municipal Loans (3½ per cent. basis).</b>						
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.	...	1st January 1893	(b) 36,000
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	3,31,355
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	21,37,716
37 Lakhs Loan (1929-30)	26,21,500	From 19th July 1929 to 1st August 1929.	1st August 1959	50,782	1st August 1930	20,24,056
31.43 Lakhs Loan for the repayment of 40 Lakhs Loan due 19th December 1929	26,14,000	Do.	1st August, 1949.	...	...	43,500
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.	...	Do.	23,000
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	23,500
<b>4 per cent. Municipal Loans (3½ per cent. basis).</b>						
25 Lakhs Loan for Sewerage, Water, etc. Works.	25,00,000	17th and 18th July 1899.	1st November 1939	...	...	7,000
						46,20,127
					Carried forward	54,34,627

(a)	Rs.	Repayable on	Less— Repaid—	Rs.	(b) Balance.
			From 1-1-1928		Rs.
	2,00,000	1-1-1928:	...	2,00,000	...
	52,91,500	1-1-1933.	1-1-1933 to 31-3-1940	52,91,500	...
	22,08,500	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 31-3-1954	10,00,000	...
	43,00,000	1-1-1953.	1-1-1953 to 31-3-1955	42,69,000	31,000
	<u>Rs. 1,47,00,000</u>			<u>1,46,64,000</u>	<u>36,000</u>

\* 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.

100  
Appendix No. 10—(concl'd.)

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 up to 31st March 1955 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			Rs.		Rs.
4 per cent. Municipal Loans (3 per cent. basis)					Brought over	54,34,627
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 Over-bridges 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. .. 20,60,000 on 1st June 1974.	12,634	1st June 1915	9,84,886
20 Lakhs Loan for Street Improvements.	20,00,000	9th September 1913 and 24th September 1915.	Rs. 70,00,000 1st May 1955	26,524	1st May 1916	19,68,605
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	4,75,840
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	17,28,163
25 Lakhs Loan (1941-42)	25,00,000	Between 1st September 1942 and 15th February 1943.	1st March 1972	52,548	1st March 1943	8,22,728
20 Lakhs Loan (1943-44)	20,00,000	Between March 1944 and November 1944.	1st March 1974	42,039	1st March 1945	5,39,771
22 Lakhs Loan (1944-45)	22,00,000	Between March 1945 and March 1946.	1st March 1975	46,243	1st March 1946	5,31,454
25 Lakhs Loan (1945-46)	25,00,000	Between 27th March 1946 and 6th Nov. 1946	1st March 1976	52,548	1st March 1947	5,35,170
3 per cent. Municipal Loans (3 per cent. basis).						
24½ Lakhs Loan (1936-37)	18,50,000	1st November 1936 ...	1st February 1967	51,498	1st February 1938	12,11,815
30 Lakhs Loan (1937-38)	6,00,000	1st June 1937 ...	14th March 1968	63,058	14th March 1939	13,74,268
30 Lakhs Loan (1938-39)	30,00,000	1st April 1938 ...	1st March 1969	63,058	1st March 1940	12,74,216
64 Lakhs Loan (1939-40)	64,00,000	Between 16th January 1939 and 1st June 1939.	1st March 1970	1,34,523	1st March 1941	25,08,231
54 Lakhs Loan (1946-47)	54,00,000	Between 1st December 1939 and 1st September 1940.	1st March 1977	1,13,505	1st March 1948	10,11,851
61 Lakhs Loan (1948-49)	61,00,000	Between 4th March 1947 and 13th December 1948	1st March 1979	1,28,218	1st March 1950	8,31,443
17.97 Lakhs Loan (1950-51)	17,97,000	Between 23rd March 1949 to 19th August 1949	1st December 1960	1,56,754	1st December 1951	6,62,361
3½ 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	12,32,109
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	9,99,637
2 Crores Loan (1950-51)	2,00,00,000	21st August 1950	16th August 1965	10,75,332	16th August 1951	45,83,143
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	7,15,798
10 Lakhs Loan (1950-51)	10,00,000	1st March 1951	16th August 1965	53,767	16th August 1951	2,29,158
3½ 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	29,57,172
33 Lakhs Loan (1951-52)	33,00,000	16th Feb. 1952	3rd October 1966	1,77,432	3rd October 1952	5,56,560
60 Lakhs Loan (1951-52)	60,00,000	16th Feb. 1952	16th August 1966	3,22,602	16th August 1952	10,15,828
4 per cent. Municipal Loans (3½ per cent. basis)						2,87,84,707
2,44,14,500 Loan (1952-53)	2,44,14,500	3rd September 1952	1st September 1964	16,48,280	1st September 1953	34,31,835
69 Lakhs Loan (1952-53)	69,00,000	26 November 1952	1st September 1967	3,51,045	1st September 1953	7,30,900
35 Lakhs Loan (1952-53)	35,00,000	28th March 1953	1st September 1964	2,36,293	1st September 1953	4,91,979
110 Lakhs Loan (1953-54)	1,10,00,000	3rd September 1953	1st September 1963	3,75,084	1st September 1954	3,87,377
50 Lakhs Loan (1953-54)	50,00,000	12th November 1953	1st September 1973	1,72,311	1st September 1954	1,76,080
85 Lakhs Loan (1953-54)	85,00,000	11th September 1953	1st September 1973	2,92,928	1st September 1954	2,99,336
						55,17,507
					Total	3,97,35,841

NAME OF LOAN.	Amount actually invested upto 31st March 1955.				Amount of Interest accrued upto 31st March 1955 collected and invested in 1955-56.		Total of Columns 5 and 6
	Amount of Sinking Fund invested upto 31st March 1954.	Sinking Fund Instalments paid in 1954-55.	Interest, etc., accumulations invested in 1954-55.	Total.	Rs.	a. p.	
1	2	3	4	5	6	7	
	Rs.	Rs.	Rs.	Rs.	Rs.	a. p.	Rs.
Sinking Funds	5,36,42,906	76,99,155	16,95,553	6,30,37,615		69	
Deduct—Withdrawn for repayment of Loans				2,08,49,622		00	
Total Sinking Funds				4,21,87,993		69	

*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 1954.	Amount raised in 1954-55.	Total.	Amount re-paid in 1954-55
1	2	3	4	5	6	7
			Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
<b>Loans raised from Government.</b>						
1	2 Crores Loan for major Development Works	5 per cent.	7,88,961 7 0	A 7,88,961 7 0	7,88,961 7 0	7,88,961 7 0
		5 per cent.	1,43,972 4 0	B 1,43,972 4 0	1,43,972 4 0	1,43,972 4 0
		5½ per cent.	6,24,288 13 0	A 6,24,288 13 0	6,24,288 13 0	3,04,150 13 0
		5½ per cent.	4,99,415 13 0	A 4,99,415 13 0	4,99,415 13 0	2,43,322 11 0
2	150 Lakhs Loan (1925-26)	5 per cent.	5,31,469 14 0	A 5,31,469 14 0	5,31,469 14 0	1,68,580 8 0
		5 per cent.	7,08,590 10 0	A 7,08,590 10 0	7,08,590 10 0	2,24,776 8 0
		3½ per cent.	8,41,401 10 0	A 8,41,401 10 0	8,41,401 10 0	1,98,877 7 0
3	100 Lacs Loan (1953-54)	4½ per cent.	1,00,00,000 0 0	E 1,00,00,000 0 0	1,00,00,000 0 0	2,32,145 0 0
4	100 Lacs Loan (1953-54)	4½ per cent.	1,00,00,000 0 0	E 1,00,00,000 0 0	1,00,00,000 0 0	2,32,145 0 0
5	100 Lacs Loan (1954-55)	4½ per cent.		E 1,00,00,000 0 0	1,00,00,000 0 0	...
6	100 Lacs Loan (1954-55)	4½ per cent.		E 1,00,00,000 0 0	1,00,00,000 0 0	...
Total Loans raised from Government Rs.			2,41,38,100 7 0	2,00,00,000 0 0	4,41,38,100 7 0	25,36,931 10 0
<b>Loans raised from the Public.</b>						
1	The Tansa Water Works Loan (Rs. 147 Lakhs) ...	5 per cent.	1,25,000 0 0 } 5,000 0 0 }		1,25,000 0 0 } 5,000 0 0 }	(a) 94,000 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 24½ Lakhs Loan for certain Sewerage Works	4 per cent.				(a)
4	The 15 Lakhs Loan for Street Improvements ...	4 per cent.	4,000 0 0		4,000 0 0	(a)
5	The 30 Lakhs 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) 49,31,500 0 0
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) 64,77,000 0 0
Loans from Public Carried over Rs. ...			1,69,42,500 0 0	...	1,69,42,500 0 0	1,15,02,500 0 0
Loans from Govt. Carried over Rs. ...			2,41,38,100 7 0	2,00,00,000 0 0	4,41,38,100 7 0	25,36,931 10 0

A—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.

B—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.

E—These loans are repayable in twenty-five annual equated instalments of principal and interest, the first instalment being payable on the first anniversary date of the drawal of the loan.

No 11.

April 1954 on the different Loans, the amount payable for the year 1954-55 the amount paid by the and the balances outstanding on 31st March 1955.

Balance due on 31st March 1955.	Interest outstanding on 1st April 1954.	Interest payable in 1954-55	Total interest due	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding balance on 31st March 1955
8	9	10	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
...	...	39,448 1 0	39,448 1 0	39,448 1 0	...
...	...	7,198 10 0	7,198 10 0	7,198 10 0	...
3,20,138 0 0	...	32,775 3 0	32,775 3 0	32,775 3 0	...
2,56,093 2 0	...	26,219 5 0	26,219 5 0	26,219 5 0	...
3,62,889 6 0	...	26,573 8 0	26,573 8 0	26,573 8 0	...
4,83,814 2 0	...	35,429 8 0	35,429 8 0	35,429 8 0	...
6,42,524 3 0	...	31,552 9 0	31,552 9 0	31,552 9 0	...
97,67,855 0 0	...	4,25,000 0 0	4,25,000 0 0	4,25,000 0 0	...
97,67,855 0 0	...	4,25,000 0 0	4,25,000 0 0	4,25,000 0 0	...
1,00,00,000 0 0	...	2,00,000 0 0	2,00,000 0 0	...	*2,00,000 0 0
1,00,00,000 0 0	...	2,00,000 0 0	2,00,000 0 0	...	*2,00,000 0 0
4,16,01,168 13 0	...	14,49,196 12 0	14,49,196 12 0	10,49,196 12 0	*4,00,000 0 0
D 31,000 0 0 } 5,000 0 0 }	16,144 12 0	...	16,144 12 0	9,174 1 0	6,970 11 0
D 1,000 0 0	380 0 0	...	380 0 0	...	380 0 0
...	420 0 0	...	420 0 0	...	420 0 0
C 4,000 0 0	132 0 0	...	132 0 0	...	132 0 0
C 30,500 0 0	24,039 1 0	...	24,039 1 0	...	24,039 1 0
20,68,500 0 0	7,394 6 2	1,15,334 0 0	1,22,728 6 2	1,19,346 11 4	3,381 10 10
20,00,000 0 0	1,338 2 0	80,000 0 0	81,338 2 0	79,810 0 0	1,528 2 0
10,00,000 0 0	...	50,000 0 0	50,000 0 0	50,000 0 0	...
3,00,000 0 0	33,812 12 0	2,71,080 0 0	3,04,892 12 0	2,68,845 1 0	{ 25,630 3 0 *10,417 8 0
54,40,000 0 0	83,661 1 2	5,16,414 0 0	6,00,075 1 2	5,27,175 13 4	62,481 11 10 } *10,417 8 0 }
4,16,01,168 13 0	...	14,49,196 12 0	14,49,196 12 0	10,49,196 12 0	*4,00,000 0 0

C—Debentures in respect of these loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1955. 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.

D—Stoppage is recorded against these Debentures.

\* To be treated as savings.

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1954.			Amount raised in 1954-55.			Total.			Amount re-paid in 1954-55.		
			Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	Loans from Govt. Brought forward ...		2,41,38,100	7	0	2,00,00,000	0	0	4,41,38,100	7	0	25,36,931	10	0
	Loans from Public Brought forward ...		1,69,42,500	0	0				1,69,42,500	0	0	1,15,02,500	0	0
	<b>Loans raised from the Public—contd.</b>													
10	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) 87,08,500	0	0
11	Rs. 25 Lakhs Loan (1927-28)	5 per cent.	25,00,000	0	0				25,00,000	0	0	(a)		
12	Rs. 37 Lakhs Loan (1929-30)	5 per cent.	26,21,500	0	0				26,21,500	0	0	(a)		
13	Rs. 31.43 Lakhs Loan for the repayment of Rs. 40 Lakhs Loan due 19th December 1929	5 per cent.	63,500	0	0				63,500	0	0	(a) 20,000	0	0
14	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) 8,22,500	0	0
15	Rs. 40 Lakhs Loan (1930-31)	6 per cent.	27,000	0	0				27,000	0	0	(a) 3,500	0	0
16	Rs. 9 Lakhs Loan (1935-36)	3½ per cent.	9,00,000	0	0				9,00,000	0	0	(a)		
17	Rs. 24½ Lakhs Loan (1936-37)	3 per cent.	24,50,000	0	0				24,50,000	0	0	(a)		
18	Rs. 30 Lakhs Loan (1937-38)	3 per cent.	30,00,000	0	0				30,00,000	0	0	(a)		
19	Rs. 30 Lakhs Loan (1938-39)	3 per cent.	30,00,000	0	0				30,00,000	0	0	(a)		
20	Rs. 64 Lakhs Loan (1939-40)	3 per cent.	64,00,000	0	0				64,00,000	0	0	(a)		
21	Rs. 48 Lakhs Loan (1940-41)	3½ per cent.	48,00,000	0	0				48,00,000	0	0	(a)		
22	Rs. 25 Lakhs Loan (1941-42)	3½ per cent.	25,00,000	0	0				25,00,000	0	0	(a)		
23	Rs. 20 Lakhs Loan (1943-44)	3½ per cent.	20,00,000	0	0				20,00,000	0	0	(a)		
24	Rs. 22 Lakhs Loan (1944-45)	3½ per cent.	22,00,000	0	0				22,00,000	0	0	(a)		
25	Rs. 25 Lakhs Loan (1945-46)	3½ per cent.	25,00,000	0	0				25,00,000	0	0	(a)		
26	Rs. 54 Lakhs Loan (1946-47)	3 per cent.	54,00,000	0	0				54,00,000	0	0	(a)		
27	Rs. 75 Lakhs Loan (1947-48)	3½ per cent.	75,00,000	0	0				75,00,000	0	0	(a)		
28	Rs. 61 Lakhs Loan (1948-49)	3 per cent.	61,00,000	0	0				61,00,000	0	0	(a)		
29	Rs. 1.25 Crores Loan of 1949	3½ per cent.	88,14,500	0	0				88,14,500	0	0	(a)		
30	Rs. 2 Crores Loan (1950-51)	3½ per cent.	2,00,00,000	0	0				2,00,00,000	0	0	(a)		
31	Second instalment of Rs. 10 Lakhs Loan out of Rs. 3 Crores Loan of 1949-50	3½ per cent.	10,00,000	0	0				10,00,000	0	0	(a)		
32	Rs. 80 Lakhs Loan (1950-51)	3½ per cent.	80,00,000	0	0				80,00,000	0	0	(a)		
33	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	(a)		
34	Rs. 1.75 Crores Loan 1951-52, out of Rs. 420 Lakhs Loan	3½ per cent.	1,75,34,000	0	0				1,75,34,000	0	0	(a)		
35	Rs. 33 Lakhs Loan 1951-52 out of Rs. 420 Lakhs Loan	3½ per cent.	33,00,000	0	0				33,00,000	0	0	(a)		
36	Rs. 60 Lakhs Loan 1951-52	3½ per cent.	60,00,000	0	0				60,00,000	0	0	(a)		
37	Rs. 2,44,14,500 Loan 1952-53 out of Rs. 419 Lacs. Loan	4 per cent.	2,44,14,500	0	0				2,44,14,500	0	0	(a)		
38	Rs. 69 Lacs. Loan 1952-53 out of Rs. 419 Lacs. Loan	4 per cent.	69,00,000	0	0				69,00,000	0	0	(a)		
39	Rs. 35 Lacs. Loan 1952-53 out of Rs. 419 Lacs. Loan	4 per cent.	35,00,000	0	0				35,00,000	0	0	(a)		
40	The 2nd Rs. 24½ Lacs. Loan	4 per cent.	1,10,00,000	0	0				1,10,00,000	0	0	(a)		
41	Rs. 110 Lacs Loan 1953-54	4 per cent.	85,00,000	0	0				85,00,000	0	0	(a)		
42	Rs. 85 do. 1953-54	4 per cent.	50,00,000	0	0				50,00,000	0	0	(a)		
43	Rs. 50 do. 1953-54	4 per cent.	...						...			(a)		
44**	Rs. 5 do. 1953-54	4 per cent.	...						...			(a)		
45	Rs. 23½ do.	per cent.	...						...			(a)		
46	Rs. 180 do. 1954-55	4 per cent.	...			1,92,49,000	0	0	1,92,49,000	0	0	(a)		
47	Rs. 70 do. 1954-55	4 per cent.	...			70,00,000	0	0	70,00,000	0	0	(a)		
	<b>Total Loans raised from the public...</b>	<b>Total ...</b>	<b>20,67,33,000</b>	<b>0</b>	<b>0</b>	<b>2,62,49,000</b>	<b>0</b>	<b>0</b>	<b>23,29,82,000</b>	<b>0</b>	<b>0</b>	<b>2,10,57,000</b>	<b>0</b>	<b>0</b>
	<b>Advances from Special Funds for Capital Works.</b>													
1	Rs. 8½ lakhs Advance from Plant and Machinery Depreciation Fund (1931-32)	5 per cent.	3,45,890	7	0				3,45,890	7	0	36,222	8	0
2	Rs. 13 lakhs Advance from Special Fund (1932-33)													
3	Rs. 8 lakhs from Renewal of Road Surfaces Fund	4½ per cent.	3,51,375	9	0				3,51,375	9	0	32,528	1	0
4	Rs. 1½ lakhs from Plant and Machinery Depreciation Fund	4½ per cent.	65,873	14	0				65,873	14	0	6,099	11	0
5	Rs. 3½ lakhs from Plant and Machinery Depreciation Fund	4½ per cent.	1,70,022	1	0				1,70,022	1	0	13,836	0	0
6	Rs. 11 lakhs Advance from Special Funds (1933-34)													
7	Rs. 5 lakhs from Municipal Fire and Accident Insurance Fund	4 per cent.	2,34,528	7	0				2,34,528	7	0	19,533	14	0
8	Rs. 3 lakhs from Renewal of Road Surfaces Fund	4 per cent.	1,51,986	11	0				1,51,986	11	0	11,269	8	0
9	Advance from Net Premia fund for repayment of an advance from Fines Fund	4 per cent.	1,40,717	3	0				1,40,717	3	0	11,720	5	0
10	Rs. 8.69 lakhs Advance from Special Funds	4 per cent.	2,53,311	0	0				2,53,311	0	0	18,782	9	0
11	Rs. 5 lakhs from Net Premia Fund	4 per cent.	2,00,279	0	0				2,00,279	0	0	13,327	13	0
12	Rs. 3.69 lakhs from Net Premia Fund	4 per cent.	...						...			(a)		
13	Advances from Land Sales Reserve Fund													
14	Rs. 8 lakhs from Net Premia Fund	3 per cent.	5,08,045	9	0				5,08,045	9	0	78,543	10	0
15	Rs. 3,81,662 from Fire and Accident Insurance Fund	3 per cent.	2,42,375	15	0				2,42,375	15	0	37,471	12	0
16	Advance from Net Premia fund for repayment of Rs. 28 Lacs Loan due on 1-8-1954	4 per cent.	...			2,07,378	0	0	2,07,378	0	0	...		
	<b>Total Advances ...</b>		<b>26,64,405</b>	<b>12</b>	<b>0</b>	<b>2,07,378</b>	<b>0</b>	<b>0</b>	<b>28,71,783</b>	<b>12</b>	<b>0</b>	<b>2,79,335</b>	<b>11</b>	<b>0</b>
	<b>Total carried over ...</b>		<b>23,35,35,506</b>	<b>3</b>	<b>0</b>	<b>4,64,56,378</b>	<b>0</b>	<b>0</b>	<b>27,99,91,884</b>	<b>3</b>	<b>0</b>	<b>2,38,73,267</b>	<b>5</b>	<b>0</b>

(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.

\*\* This Loan was not raised during 1953-54.

No. 11—continued.

Balance due on 31st March 1955.	Interest outstanding on 1st April 1954	Interest payable in 1954-55.	Total Interest due.	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding Balance on 31st March 1955
8	9	10.	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
4,16,01,168 13 0	...	14,49,196 12 0	14,49,196 12 0	10,49,196 12 0	*4,00,000 0 0
54,40,000 0 0	83,661 1 2	5,16,414 0 0	6,00,075 1 2	5,27,175 13 4	62,481 11 10 *10,417 8 0 40,439 13 0 *17,285 0 0
5,14,500 0 0	70,013 5 0	3,68,920 0 0	4,38,933 5 0	3,81,208 8 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	8,795 12 0	1,31,075 0 0	1,39,870 12 0	1,29,428 12 0	10,442 0 0
43,500 0 0	7,077 5 0	...	7,077 5 0	2,500 0 0	4,577 5 0
23,000 0 0	7,027 14 0	42,275 0 0	49,302 14 0	20,106 13 0	1,012 9 0 *28,183 8 0 12,043 12 0
23,500 0 0	12,568 12 0	...	12,568 12 0	525 0 0	...
9,00,000 0 0	15,750 0 0	31,500 0 0	47,250 0 0	47,250 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	1,362 0 0	2,43,750 0 0	2,45,112 0 0	2,35,112 0 0	10,000 0 0
61,00,000 0 0	...	1,83,000 0 0	1,83,000 0 0	1,83,000 0 0	...
88,14,500 0 0	50,460 10 0	2,86,472 0 0	3,36,932 10 0	2,74,099 15 0	*0 12 0 62,831 15 0 27,508 10 0
2,00,00,000 0 0	18,480 15 0	6,50,000 0 0	6,68,480 15 0	6,40,972 5 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	8,742 2 0	6,57,525 0 0	6,66,267 2 0	6,54,692 9 0	11,574 9 0
33,00,000 0 0	...	1,23,750 0 0	1,23,750 0 0	1,22,962 8 0	787 8 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	66,850 6 0	9,76,580 0 0	10,43,430 6 0	9,66,458 10 0	76,971 12 0
69,00,000 0 0	...	2,76,000 0 0	2,76,000 0 0	2,76,000 0 0	...
35,00,000 0 0	...	1,40,000 0 0	1,40,000 0 0	1,31,780 0 0	8,220 0 0
1,10,00,000 0 0	47,064 6 0	4,40,000 0 0	4,87,064 6 0	3,91,357 8 0	95,706 14 0
85,00,000 0 0	...	3,40,000 0 0	3,40,000 0 0	3,40,000 0 0	...
50,00,000 0 0	6,056 0 0	2,00,000 0 0	2,06,056 0 0	2,06,055 9 0	0 7 0 20,000 0 0
...	...	20,000 0 0	20,000 0 0	...	...
1,92,49,000 0 0	...	230 0 0	230 0 0	230 0 0	1,03,016 14 0 *3,11,115 0 0
70,00,000 0 0	...	6,00,000 0 0	6,00,000 0 0	1,85,868 2 0	...
21,19,25,000 0 0	4,03,910 8 2	80,21,401 0 0	84,25,311 8 2	75,10,694 0 4	5,27,615 4 10 *3,87,002 3 0
3,09,667 15 0	...	17,294 8 0	17,294 8 0	17,294 8 0	...
3,18,847 8 0	...	15,811 15 0	15,811 15 0	15,811 15 0	...
59,774 3 0	...	2,964 5 0	2,964 5 0	2,964 5 0	...
1,56,186 1 0	...	7,651 0 0	7,651 0 0	7,651 0 0	...
2,14,994 9 0	...	9,381 2 0	9,381 2 0	9,381 2 0	...
1,40,717 3 0	...	6,079 8 0	6,079 8 0	6,079 8 0	...
1,28,996 14 0	...	5,628 11 0	5,628 11 0	5,628 11 0	...
2,34,528 7 0	...	10,132 7 0	10,132 7 0	10,132 7 0	...
1,86,951 3 0	...	8,011 3 0	8,011 3 0	8,011 3 0	...
4,29,501 15 0	...	15,241 6 0	15,241 6 0	15,241 6 0	...
2,04,904 3 0	...	7,271 4 0	7,271 4 0	7,271 4 0	...
2,07,378 0 0	...	...	...	...	...
25,92,448 1 0	...	1,05,467 5 0	1,05,467 5 0	1,05,467 5 0	...
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 *7,87,002 3 0

\* To be treated as Savings.

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1954.	Amount raised in 1954-55.	Total.	Amount repaid in 1954-55.
1	2	3	4	5	6	7
			Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward ...		23,35,35,506 3 0	4,64,56,378 0 0	27,99,91,884 3 0	2,38,73,267 5 0
	<b>Advances from different Funds for purchase of Plant and Machinery</b>					
13	Advance of Rs. 2,16,600 taken from Net Premia fund in 1938-39 ...	3 per cent	23,978 14 0		23,978 14 0	11,808 10 0
14	Advance of Rs. 1,71,400 taken from Net Premia fund in 1939-40 ...	3 per cent.	13,865 7 0		13,865 7 0	6,828 1 0
15	Advance of Rs. 40,100 taken from Net Premia fund in 1940-41 ...	3 per cent.				
16	Advance of Rs. 43,200 taken from Net Premia fund in 1941-42 ...	3 per cent.	15,028 13 0		15,028 13 0	2,830 2 0
17	Advance of Rs. 27,100 taken from Net Premia fund in 1942-43 ...	3 per cent.				
18	Advance of Rs. 73,566 taken from Net Premia fund in 1943-44 ...	3 per cent.	14,137 1 0		14,137 1 0	6,966 14 0
19	Advance of Rs. 89,537-4-6 taken from Net Premia fund in 1944-45 ...	3 per cent.	25,444 12 6		25,444 12 6	8,231 10 0
20	Advance of Rs. 55,216-4-0 taken from Net Premia fund in 1945-46 ...	3 per cent.	16,868 0 0		16,868 0 0	5,463 0 0
21	Advance of Rs. 1,08,567-5-0 taken from Net Premia fund in 1946-47 ...	3 per cent.	68,569 7 0		68,569 7 0	6,419 15 0
22	Advance of Rs. 97,972-4-0 taken from Net Premia fund in 1947-48 ...	3 per cent.	48,490 1 0		48,490 1 0	9,134 5 0
23	Advance of Rs. 93,034-13-6 taken from Net Premia fund in 1948-49 ...	3 per cent.	61,403 3 6		61,403 3 6	6,906 15 0
24	Advance of Rs. 1,23,619-2-6 taken from Net Premia fund in 1949-50 ...	3 per cent.	90,503 14 6		90,503 14 6	8,908 14 0
25	Advance of Rs. 53,323-11-0 taken from Fire & Accident Insurance fund in 1949-50 ...	3 per cent.	41,328 1 0		41,328 1 0	3,227 2 0
26	Advances of Rs. 78,196-14-0 taken from Net Premia fund in 1949-50 ...	3½ per cent.	16,654 3 0		16,654 3 0	16,654 3 0
27	Advance of Rs. 1,00,561-2-0 taken from Fire & Accident Insurance fund in 1949-50 ...	3½ per cent.	21,418 10 0		21,418 10 0	21,418 10 0
28	Advance of Rs. 1,83,600 taken from Plant & Machinery Dep. fund in 1949-50 ...	3½ per cent.	39,103 8 0		39,103 8 0	39,103 8 0
29	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.	3½ per cent.	72,693 3 0		72,693 3 0	72,693 3 0
30	Advance of Rs. 2,98,378-9-0 taken from Depreciation Fund in 1950-51 for replacement of Plant and Machinery ...	3½ per cent.	1,25,102 1 0		1,25,102 1 0	61,553 3 0
31	Advance of Rs. 51,035-12-0 taken from Precast Concrete Slabs Pavement Renewal Fund in 1950-51 ...	3½ per cent.	21,396 15 0		21,396 15 0	10,528 10 0
32	Advance of Rs. 3,52,159-11-0 taken from Renewal of Road Surfaces Fund in 1950-51 ...	3½ per cent.	1,47,652 8 0		1,47,652 8 0	72,647 5 0
33	Advance of Rs. 1,924-13-0 taken from Slum Service Fund in 1950-51 ...	3½ per cent.	804 14 0		804 14 0	397 13 0
34	Advance of Rs. 43,215-8-0 taken from K. E. M. Hospital and G. S. M. College Research Fund in 1950-51 ...	3½ per cent.	18,118 11 0		18,118 11 0	8,915 2 0
35	Advance of Rs. 8,54,301-8-0 taken from Hospital Fund in 1950-51 ...	3½ per cent.	3,58,191 0 0		3,58,191 0 0	1,76,233 13 0
36	Advance of Rs. 80,908-13-0 taken from Municipal Fire and Accident Insurance Fund in 1950-51 ...	3½ per cent.	33,920 13 0		33,920 13 0	16,691 9 0
37	Advance of Rs. 24,178-13-0 taken from Net Premia Fund in 1950-51 ...	3½ per cent.	10,135 9 0		10,135 9 0	4,988 9 0
38	Advance of Rs. 56,520-11-0 taken from K. E. M. Hospital and G. S. M. College Equipment Fund in 1950-51 ...	3½ per cent.	23,697 8 0		23,697 8 0	11,659 13 0
39	Advance of Rs. 7,18,457-10-0 taken from Plant and Machinery Depreciation Fund in 1950-51 ...	3½ per cent.	3,01,233 9 0		3,01,233 9 0	1,48,210 14 0
40	Advance of Rs. 395,820-3-6 taken from Net Premia Fund in 1951-52 ...	3½ per cent.	2,46,174 8 6		2,46,174 8 6	79,057 8 0
41	Advance of Rs. 2,499-8-0 taken from Fire and Accident Insurance Fund in 1951-52 ...	3½ per cent.	1,553 9 0		1,553 9 0	499 12 0
42	Advance of Rs. 36,349-2-0 taken from K. E. M. Hospital and G. S. M. College Research Fund in 1951-52 ...	3½ per cent.	22,606 6 0		22,606 6 0	7,260 4 0
43	Advance of Rs. 94,121-13-0 taken from Hospital Fund in 1951-52 ...	3½ per cent.	58,536 0 0		58,536 0 0	18,799 14 0
44	Advance of Rs. 64,531-2-0 taken from Slum Service fund in 1951-52 ...	3½ per cent.	40,133 15 0		40,133 15 0	12,889 0 0
45	Advance of Rs. 40,399-0-0 taken from Garden Fund ...	3½ per cent.	25,123 12 0		25,123 12 0	8,069 13 0
	Total Carried over ...		20,03,868 13 0		20,03,868 13 0	8,64,997 14 0
	Total Carried over ...		23,35,35,506 3 0	4,64,56,378 0 0	27,99,91,884 3 0	2,38,73,267 5 0

No. 11—contd.

Balance due on 31st March 1955.	Interest outstanding on 1st April 1954	Interest payable in 1954-55	Total Interest due.	Deduct-Interest paid by the Imperial Bank of India and in Office.	Outstanding Balance on 31st March 1955
8	9	10	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 * 7,87,002 3 0
12,170 4 0	...	719 6 0	719 6 0	719 6 0	...
7,037 6 0	...	415 15 0	415 15 0	415 15 0	...
...	...	...	...	...	...
12,198 11 0	...	450 14 0	450 14 0	450 14 0	...
...	...	13 6 0	13 6 0	13 6 0	...
7,170 3 0	...	424 2 0	424 2 0	424 2 0	...
17,213 2 6	...	763 6 0	763 6 0	763 6 0	...
11,405 0 0	...	506 0 0	506 0 0	506 0 0	...
62,149 8 0	...	2,057 1 0	2,057 1 0	2,057 1 0	...
39,355 12 0	...	1,454 11 0	1,454 11 0	1,454 11 0	...
54,496 4 6	...	1,842 1 0	1,842 1 0	1,842 1 0	...
81,595 0 6	...	2,715 2 0	2,715 2 0	2,715 2 0	...
38,100 15 0	...	1,239 14 0	1,239 14 0	1,239 14 0	...
...	...	541 4 0	541 4 0	541 4 0	...
...	...	696 2 0	696 2 0	696 2 0	...
...	...	1,270 14 0	1,270 14 0	1,270 14 0	...
...	...	2,362 8 0	2,362 8 0	2,362 8 0	...
63,548 14 0	...	4,065 13 0	4,065 13 0	4,065 13 0	...
10,868 5 0	...	695 6 0	695 6 0	695 6 0	...
75,005 3 0	...	4,798 11 0	4,798 11 0	4,798 11 0	...
407 1 0	...	26 3 0	26 3 0	26 3 0	...
9,203 9 0	...	588 14 0	588 14 0	588 14 0	...
1,81,957 3 0	...	11,641 3 0	11,641 3 0	11,641 3 0	...
17,229 4 0	...	1,102 7 0	1,102 7 0	1,102 7 0	...
5,147 0 0	...	329 7 0	329 7 0	329 7 0	...
12,037 11 0	...	770 3 0	770 3 0	770 3 0	...
1,53,022 11 0	...	9,790 2 0	9,790 2 0	9,790 2 0	...
1,67,117 0 6	...	9,231 8 0	9,231 8 0	9,231 8 0	...
1,053 13 0	...	58 4 0	58 4 0	58 4 0	...
15,346 2 0	...	847 12 0	847 12 0	847 12 0	...
39,736 2 0	...	2,195 2 0	2,195 2 0	2,195 2 0	...
27,244 15 0	...	1,505 0 0	1,505 0 0	1,505 0 0	...
17,053 15 0	...	942 3 0	942 3 0	942 3 0	...
11,38,870 15 0	...	66,060 12 0	66,060 12 0	66,060 12 0	...
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 * 7,87,002 3 0

\* To be treated as savings.



No.	Particulars of Loans	Rate of Interest	Balance due on 1st April 1954.	Amount raised in 1954-55.	Total.	Amount repaid in 1954-55.
1	2	3	4	5	6	7
			Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward ...		23,35,35,506 3 0	4,64,56,378 0 0	27,99,91,884 3 0	2,38,73,267 5 0
	Advances brought forward ...		20,03,868 13 0		20,03,868 13 0	8,64,997 14 0
46	Advance of Rs. 67,685-11-0 taken from Depreciation Fund 1951-52 for replacement of Plant and Machinery purchased out of Loan Funds ...	3½ per cent.	42,095 3 0		42,095 3 0	13,519 7 0
47	Advance of Rs. 2,30,146-12-0 taken from Plant and Machinery Depreciation Fund in 1951-52 ...	3½ per cent.	1,43,142 6 0		1,43,142 6 0	45,964 2 0
48	Advance of Rs. 43,583-8-0 taken from Precast Concrete slab Pavement Renewal Fund in 1951-52 ...	3½ per cent.	27,105 0 0		27,105 0 0	8,705 9 0
49	Advance of Rs. 16,214-9-6 taken from K. E. M. Hospital and G. S. M. College Equipment Fund in 1951-52 ...	3½ per cent.	10,081 13 6		10,081 13 6	3,232 15 0
50	Advance of Rs. 2,36,158-11-0 taken from Renewal of Road Surfaces Fund in 1951-52 ...	3½ per cent.	1,46,875 6 0		1,46,875 6 0	47,168 3 0
51	Advance of Rs. 8,08,361-3-7 taken from Net Premia Fund in 1952-53 ...	4 per cent.	6,59,115 10 7		6,59,115 10 7	1,55,215 6 0
52	Advance of Rs. 3,52,682-11-3 taken from Municipal Fire and Accident Insurance Fund in 1952-53 ...	4 per cent.	2,87,567 0 3		2,87,567 0 3	67,720 6 0
53	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.	345 8 0		345 8 0	82 2 0
54	Advance of Rs. 4,12,789-3-0 taken from Hospital Fund in 1952-53 ...	4 per cent.	3,36,576 12 0		3,36,576 12 0	79,260 15 0
55	Advance of Rs. 16,505-14-0 taken from Slum Service Fund in 1952-53 ...	4 per cent.	13,458 2 0		13,458 2 0	3,169 11 0
56	Advance of Rs. 43,220-15-0 taken from Garden Fund in 1952-53 ...	4 per cent.	35,240 12 0		35,240 12 0	8,299 6 0
57	Advance of Rs. 81,088-8-0 taken from Depreciation Fund for replacement of Plant and Machinery in 1952-53 ...	4 per cent.	66,117 1 0		66,117 1 0	15,570 5 0
58	Advance of Rs. 5,42,539-14-0 taken from Plant and Machinery Depreciation Fund in 1952-53 ...	4 per cent.	4,42,371 8 0		4,42,371 8 0	1,04,175 2 0
59	Advance of Rs. 26,504-4-0 taken from Precast Concrete Slabs Pavement Renewal Fund in 1952-53 ...	4 per cent.	21,610 7 0		21,610 7 0	5,089 9 0
60	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.	56,158 4 0		56,158 4 0	13,224 10 0
61	Advance of Rs. 1,90,955-1-6 taken from Renewal of Road Surfaces Fund in 1952-53 ...	4 per cent.	1,55,699 4 6		1,55,699 4 6	36,666 0 0
62	Advance of Rs. 3,04,224-12-9 taken from Net Premia Fund in 1953-54 ...	4 per cent.	3,04,224 12 9		3,04,224 12 9	56,169 0 0
63	Advance of Rs. 4,36,209-13-9 taken from Fire and Accident Insurance Fund in 1953-54 ...	4 per cent.	4,36,209 13 9		4,36,209 13 9	80,536 9 0
64	Advance of Rs. 23,000 taken from K. E. M. Hospital and G. S. M. College Equipment Fund in 1953-54 ...	4 per cent.	23,000 0 0		23,000 0 0	4,247 0 0
65	Advance of Rs. 3,26,210-4-0 taken from Hospital Fund in 1953-54 ...	4 per cent.	3,26,210 4 0		3,26,210 4 0	60,227 9 0
66	Advance of Rs. 2,961-4-0 taken from Slum Service Fund in 1953-54 ...	4 per cent.	2,961 4 0		2,961 4 0	547 9 0
67	Advance of Rs. 43,929-7-6 taken from Garden Fund in 1953-54 ...	4 per cent.	43,929 7 6		43,929 7 6	8,110 13 0
68	Advance of Rs. 2,39,815-6-0 taken from Depreciation Fund for replacement of Plant and Machinery in 1953-54 ...	4 per cent.	2,39,815 6 0		2,39,815 6 0	44,276 6 0
69	Advance of Rs. 2,65,452-12-0 taken from Plant and Machinery Depreciation Fund in 1953-54 ...	4 per cent.	2,65,452 12 0		2,65,452 12 0	49,009 14 0
70	Advance of Rs. 71,817-4-0 taken from Pre-cast Concrete Slab Pavement Renewal Fund in 1953-54 ...	4 per cent.	71,817 4 0		71,817 4 0	13,260 5 0
71	Advance of Rs. 4,909-7-0 taken from G.S.M. College and K.E.M. Hospital Research Fund in 1953-54 ...	4 per cent.	4,909 7 0		4,909 7 0	906 10 0
72	Advance of Rs. 1,49,539-2-0 taken from Renewal of Road Surface Fund in 1953-54 ...	4 per cent.	1,49,539 2 0		1,49,539 2 0	27,609 7 0
			63,15,498 7 10	...	63,15,498 7 10	18,16,969 12 0
	Total ...		23,35,35,506 3 0	4,64,56,378 0 0	27,99,91,884 3 0	2,38,73,267 5 0

## No. 11—(Contd.)

Balance due on 31st March 1955.	Interest outstanding on 1st April 1954.	Interest payable in 1954-55.	Total Interest due.	Deduct Interest paid by the Imperial Bank of India and in Office.	Outstanding Balance on 31st March 1955.
8	9	10	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 *7,87,002 3 0
11,38,870 15 0		66,060 12 0	66,060 12 0	66,060 12 0	
28,575 12 0		1,578 9 0	1,578 9 0	1,578 9 0	
97,178 4 0		5,367 14 0	5,367 14 0	5,367 14 0	
18,399 7 0		1,016 7 0	1,016 7 0	1,016 7 0	
6,841 14 6		378 1 0	378 1 0	378 1 0	
99,707 3 0		5,507 13 0	5,507 13 0	5,507 13 0	
5,03,900 4 7		26,364 10 0	26,364 10 0	26,364 10 0	
2,19,846 10 3		11,502 10 0	11,502 10 0	11,502 10 0	
263 6 0		13 14 0	13 14 0	13 14 0	
2,57,315 13 0		13,463 1 0	13,463 1 0	13,463 1 0	
10,288 7 0		538 5 0	538 5 0	538 5 0	
26,941 6 0		1,409 10 0	1,409 10 0	1,409 10 0	
50,546 12 0		2,644 11 0	2,644 11 0	2,644 11 0	
3,38,196 6 0		17,694 14 0	17,694 14 0	17,694 14 0	
16,520 14 0		864 7 0	864 7 0	864 7 0	
42,933 10 0		2,246 6 0	2,246 6 0	2,246 6 0	
4,19,033 4 6		6,228 0 0	6,228 0 0	6,228 0 0	
2,48,055 12 9		12,169 0 0	12,169 0 0	12,169 0 0	
3,55,673 4 9		17,448 7 0	17,448 7 0	17,448 7 0	
18,753 0 0		920 0 0	920 0 0	920 0 0	
2,65,982 11 0		13,048 7 0	13,048 7 0	13,048 7 0	
2,413 11 0		118 7 0	118 7 0	118 7 0	
35,818 10 6		1,757 9 0	1,757 3 0	1,757 3 0	
1,95,539 0 0		9,592 10 0	9,592 10 0	9,592 10 0	
2,16,442 14 0		10,618 2 0	10,618 2 0	10,618 2 0	
58,556 15 0		2,872 11 0	2,872 11 0	2,872 11 0	
4,002 13 0		196 6 0	196 6 0	196 6 0	
1,21,929 11 0		5,981 9 0	5,981 9 0	5,981 9 0	
44,98,528 11 10		2,37,602 14 0	2,37,602 14 0	2,37,602 14 0	
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 *7,87,002 3 9

\* To be treated as savings.

No.	Particulars of Loans	Rate of Interest	Balance due on 1st April 1954	Amount raised in 1954-55	Total	Amount repaid in 1954-55
1	2	3	4	5	6	7
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Total brought forward ...		23,35,35,506 3 0	4,64,56,378 0 0	27,99,91,884 3 0	2,38,73,267 5 0
	Advances brought forward ...		63,15,498 7 10	...	63,15,498 7 10	18,16,969 12 0
73	Advance of Rs. 12,513-8-6 from the Net Premia Fund ...	4 per cent.	...	12,513 8 6	12,513 8 6	...
74	Advance of Rs. 1,11,429-0-1 from Municipal Fire & Accident Insurance Fund ...	4 per cent.	...	1,11,429 0 1	1,11,429 0 1	...
75	Advance of Rs. 21,586-12-3 from Hospital Fund ...	4 per cent.	...	21,586 12 3	21,586 12 3	...
76	Advance of Rs. 98,061-8-0 from Slum Service Fund ...	4 per cent.	...	98,061 8 0	98,061 8 0	...
77	Advance of Rs. 18,541-9-6 from Garden Fund ...	4 per cent.	...	18,541 9 6	18,541 9 6	...
78	Advance of Rs. 1,15,656-4-0 from Depreciation Fund for replacement of Plant and Machinery Purchased out of Loan Funds ...	4 per cent.	...	1,15,656 4 0	1,15,656 4 0	...
79	Advance of Rs. 1,62,294-13-0 from Plant and Machinery Depreciation Fund ...	4 per cent.	...	1,62,294 13 0	1,62,294 13 0	...
80	Advance of Rs. 35,575-9-0 from Precast Concrete Slab Pavement Renewal Fund ...	4 per cent.	...	35,575 9 0	35,575 9 0	...
81	Advance of Rs. 39-0-0 from G. S. M. College and K. E. M. Hospital Reserach Fund ...	4 per cent.	...	39 0 0	39 0 0	...
82	Advance of Rs. 2,43,019-13-0 from Renewal of Road Surfaces Fund ...	4 per cent.	...	2,43,019 13 0	2,43,019 13 0	...
	Total ...		63,15,498 7 10	8,18,717 13 4	71,34,216 5 2	18,16,969 12 0
	<b>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—</b>					
83	Advance of Rs. 31,200 taken in 1940-41 ...	3 per cent.	4,993 5 0	...	4,993 5 0	2,464 3 0
84	Advance of Rs. 33,800 taken in 1941-42 ...	3 per cent.	8,013 1 0	...	8,013 1 0	2,590 9 0
85	Advance of Rs. 26,072-10-0 taken in 1943-44 ...	3 per cent.	10,002 4 0	...	10,002 4 0	1,883 15 0
86	Advance of Rs. 38,571-7-0 taken in 1944-45 ...	3 per cent.	17,502 14 0	...	17,502 14 0	2,705 15 0
87	Advance of Rs. 94,206-7-0 taken in 1945-46 ...	3 per cent.	49,150 10 0	...	49,150 10 0	6,418 8 0
88	Advance of Rs. 41,427-6-0 taken in 1946-47 ...	3 per cent.	33,878 7 0	...	33,878 7 0	1,211 10 0
89	Advance of Rs. 2,10,967-8-0 taken in 1947-48 ...	3 per cent.	1,37,596 7 0	...	1,37,596 7 0	13,544 2 0
90	Advance of Rs. 6962-3-0 taken in 1948-49 ...	3 per cent.	4,970 10 0	...	4,970 10 0	434 14 0
91	Advance of Rs. 69-4-0 taken in 1949-50 ...	3 per cent.	52 12 0	...	52 12 0	4 7 0
92	Advance of Rs. 5,83,395-13-0 taken in 1950-51 ...	3½ per cent.	4,87,967 9 0	...	4,87,967 9 0	33,899 0 0
93	Advances of Rs. 2,04,259-8-0 taken in 1951-52 ...	3½ per cent.	1,83,085 4 0	...	1,83,085 4 0	11,186 5 0
94	Advance of Rs. 1,24,962-3-0 taken in 1952-53 ...	4 per cent.	1,18,720 11 0	...	1,18,720 11 0	6,491 2 0
95	Advance of Rs. 1,74,169-8-0 taken in 1953-54 ...	4 per cent.	1,74,169 8 0	...	1,74,169 8 0	8,698 3 0
96	Advance of Rs. 1,23,479-11-9 taken in 1954-55 ...	4 per cent.	...	1,23,479 11 9	1,23,479 11 9	...
	Total ...		12,30,103 6 0	1,23,479 11 9	13,53,583 1 9	91,532 13 0
	<b>Advances from Net Premia Fund for the purchase of Indian Military Hospital at Dharavi</b>					
97	Advance of Rs. 1,99,448-12 taken in 1947-48 ...	3 per cent.	86,908 1 0	...	86,908 1 0	20,774 12 0
98	Advance of Rs. 1,11,105-4 taken in 1948-49 ...	3 per cent.	59,546 15 0	...	59,546 15 0	11,238 9 0
99	Advance of Rs. 1,85,903-15-6 taken in 1949-50 ...	3 per cent.	1,18,058 9 6	...	1,18,058 9 6	18,252 4 0
100	Advance of Rs. 45,012-3-0 taken in 1950-51 ...	3½ per cent.	32,983 4 0	...	32,983 4 0	4,273 1 0
101	Advance of Rs. 1028-11-0 taken in 1951-52 ...	3½ per cent.	850 8 0	...	850 8 0	94 1 0
	Total ...		2,98,347 5 6	...	2,98,347 5 6	54,632 11 0
	Total Advances from Special Funds ...		78,43,949 3 4	9,42,197 9 1	87,86,146 12 5	19,63,135 4 0
	Grand Total ...		24,13,79,455 6 4	4,73,98,575 9 1	28,87,78,030 15 5	2,58,36,402 9 0

T. V. DORAISWAMY,  
Chief Accountant.

## No. 11—(Concl.)

Balance due on 31st March 1955	Interest outstanding on 1st April 1954	Interest payable in 1954-55	Total Interest due	Deduct-Interest paid by the Imperial Bank of India and in Office	Outstanding Balance on 31st March 1955
8	9	10	11	12.	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
25,61,18,616 14 0	4,03,910 8 2	95,76,065 1 0	99,79,975 9 2	86,65,358 1 4	5,27,615 4 10 } *7,87,002 3 0 }
44,98,528 11 10	...	2,37,602 14 0	2,37,602 14 0	2,37,602 14 0	...
12,513 8 6	...	...	...	...	...
1,11,429 0 1	...	...	...	...	...
21,586 12 3	...	...	...	...	...
98,061 8 0	...	...	...	...	...
18,541 9 6	...	...	...	...	...
1,15,656 4 0	...	...	...	...	...
1,62,294 13 0	...	...	...	...	...
35,575 9 0	...	...	...	...	...
39 0 0	...	...	...	...	...
2,43,019 13 0	...	...	...	...	...
53,17,246 9 2	...	2,37,602 14 0	2,37,602 14 0	2,37,602 14 0	...
2,529 2 0	...	149 13 0	149 13 0	149 13 0	...
5,422 8 0	...	240 7 0	240 7 0	240 7 0	...
8,118 5 0	...	300 1 0	300 1 0	300 1 0	...
14,796 15 0	...	525 1 0	525 1 0	525 1 0	...
42,732 2 0	...	1,474 8 0	1,474 8 0	1,474 8 0	...
32,666 13 0	...	1,016 6 0	1,016 6 0	1,016 6 0	...
1,24,052 5 0	...	4,127 14 0	4,127 14 0	4,127 14 0	...
4,535 12 0	...	149 2 0	149 2 0	149 2 0	...
48 5 0	...	1 9 0	1 9 0	1 9 0	...
4,54,068 9 0	...	15,859 0 0	15,859 0 0	15,859 0 0	...
1,71,898 15 0	...	6,865 11 0	6,865 11 0	6,865 11 0	...
1,12,229 9 0	...	4,748 14 0	4,748 14 0	4,748 14 0	...
1,65,471 5 0	...	6,966 13 0	6,966 13 0	6,966 13 0	...
1,23,479 11 9	...	...	...	...	...
12,62,050 4 9	...	42,425 3 0	42,425 3 0	42,425 3 0	...
66,133 5 0	...	2,607 4 0	2,607 4 0	2,607 4 0	...
48,308 6 0	...	1,786 7 0	1,786 7 0	1,786 7 0	...
99,806 5 6	...	3,541 12 0	3,541 12 0	3,541 12 0	...
28,710 3 0	...	1,071 15 0	1,071 15 0	1,071 15 0	...
756 7 0	...	31 15 0	31 15 0	31 15 0	...
2,43,714 10 6	...	9,039 5 0	9,039 5 0	9,039 5 0	...
68,23,011 8 5	...	2,89,067 6 0	2,89,067 6 0	2,89,067 6 0	...
26,29,41,628 6 5	4,03,910 8 2	98,65,132 7 0	1,02,69,042 15 2	89,54,425 7 4	5,27,615 4 10 } *7,87,002 3 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 1955*

INCOME.	Rs.	EXPENDITURE.	Rs.
Water Tax and other Miscellaneous Water Works Revenue— <i>Vide</i> details in Appendix—No. 3) ... This includes Rs. 1,26,30,976 being the amount of Water Tax by measurement, realised during 1954-55 as shown in the following statement:—	1,95,94,935	Maintenance ( <i>vide</i> appendix No. 4) ... ..	23,04,047
		Proportionate share of General Superintendence (1/4th Proportion of) ... ..	2,42,072
		Assessment and Collection Charges (3/10th Proportion of) ... ..	2,75,062
		Provident Fund and Pension, etc., charges ... ..	2,19,702
		Dearness Allowance ... ..	9,12,493
		New Works ... ..	57,349
		Income Tax on Income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction ... ..	Cr. 12,326
		Total, Expenditure ... ..	39,98,399
		Surplus Carried down ... ..	1,55,96,536
Total Rs. ...	1,95,94,935	Total Rs. ...	1,95,94,935

**Net Revenue Account for the year ended 31st March 1955**

Surplus brought down ...	Rs.	Interest on Water Works Loans (Debt)	Rs.
	1,55,96,536	<i>Due to Government—</i>	
		Rs. 2 Crores Loan for Major Development Works ... ..	49,726
		Rs. 150 Lakhs Loan 1925-26 ... ..	87,915
		Rs. 100 Lakhs Loan from Government for V.C.T. Scheme on 17-11-1953 ... ..	4,25,000
		Rs. 100 Lakhs Loan from Government for V.C.T. Scheme on 4-3-1954 ... ..	4,25,000
		9,87,641	
		<i>Due to the Public—</i>	
		Rs. 147 Lakhs Tansa Water Works Loan ... ..	9,174
		Rs. 25 Lakhs Sewerage, etc., Works Loan ... ..	1,253
		Rs. 70 Lakhs for Reduplication of the Tansa Main & other Auxiliary Works ... ..	1,18,972
		Rs. 160 Lakhs for Improvement of water supply in Bombay ... ..	6,50,054
		Rs. 31.43 Lakhs Loan ... ..	625
		Rs. 37 Lakhs Loan ... ..	2,043
		Rs. 40 Lakhs Loan ... ..	17
		Rs. 9 Lakhs Loan ... ..	7,378
		Rs. 24 1/2 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) ... ..	11,446
		Rs. 75 Lakhs Loan (1947-48) ... ..	70,726
		Rs. 1.25 Crores Loan (1949-50) ... ..	2,74,100
		Rs. 2 Crores Loan (1950-51) ... ..	5,70,948
		Rs. 175,34,000 Loan (1951-52) ... ..	6,34,693
		Rs. 33 Lakhs Loan (1951-52) ... ..	1,22,963
		Rs. 60 Lakhs Loan (1951-52) ... ..	76,388
		Rs. 2,44,14,500 Loan (1952-53) ... ..	8,76,498
		Rs. 69 Lakhs Loan (1952-53) ... ..	1,08,410
		Rs. 35 Lakhs Loan (1952-53) ... ..	95,684
		Rs. 110 Lakhs Loan (1953-54) ... ..	16,523
		Rs. 85 Lakhs Loan (1953-54) ... ..	1,64,984
		Rs. 50 Lakhs Loan (1953-54) ... ..	2,01,694
		Rs. 180 Lakhs Loan (1954-55) ... ..	1,14,683
		46,82,672	
		<i>Advances from Special Funds—</i>	
		Rs. 8 1/2 Lakhs Advance from Plant and Machinery Depreciation Fund ... ..	180
		Rs. 3 Lakhs Advance from Renewal of Road Surfaces Fund ... ..	628
		Rs. 3,69 Lakhs Advance from Net Premia Fund ... ..	769
		Rs. 8 Lakhs Advance from Net Premia Fund ... ..	3,810
		Rs. 3,81,662 Advance from Municipal Fire and Accident Insurance Fund ... ..	1,818
		Rs. 2,16,600 Advance from Net Premia Fund ... ..	100
		Rs. 1,71,400 Do. do. ... ..	59
		Rs. 43,200 Do. do. ... ..	68
		Rs. 27,100 Do. do. ... ..	13
		Rs. 73,566 Do. do. ... ..	198
		Rs. 89,537.4.6 Do. do. ... ..	414
		Rs. 55,216.4.0 Do. do. ... ..	284
		Rs. 1,08,567.5.0 Do. do. ... ..	1,747
		Rs. 97,972.4.0 Do. do. ... ..	1,034
		Rs. 93,034.13.6 Do. do. ... ..	1,267
		Rs. 1,23,619.2.6 Do. do. ... ..	2,714
		Rs. 2,98,378.9.0 Advance from Depreciation Fund for replacement of Plant & Machinery purchased out of Loan Funds ... ..	48
		Rs. 43,215.8.0 Advance from K.E.M. Hospital & G.S.M. College Research Fund ... ..	413
		Rs. 24,178.13.0 Advance from Net Premia Fund ... ..	321
		Rs. 3,95,820.3.6 Advance from Net Premia Fund ... ..	3,385
		Rs. 36,349.2.0 Advance from K. E. M. Hospital and G. S. M. College Research Fund ... ..	649
		Rs. 8,08,361.3.7 Advance from Net Premia Fund ... ..	12,457
		Rs. 3,52,682.11.3 Advance from Municipal Fire and Accident Insurance Fund ... ..	1,946
		Rs. 81,088.8.0 Advance from Depreciation Fund for replacement of Plant & Machinery purchased out of Loan Funds ... ..	96
		Rs. 3,04,224.12.9 Advance from Net Premia Fund ... ..	646
		Rs. 4,36,209.13.9 Advance from Municipal Fire and Accident Insurance Fund ... ..	9,633
		Rs. 4,909.7.0 Advance from K. E. M. Hospital Research Fund ... ..	12
		Rs. 2,39,815.6.0 Advance from Depreciation Fund for replacement of Plant and Machinery Fund purchased out of Loan Fund ... ..	12
		44,721	
Carried forward ...	1,55,96,536	Carried forward ...	57,15,034

**Appendix No. 12—Concluded**  
**WATER WORKS ACCOUNT**

*Net Revenue Account for the year ended 31st March 1955—concluded*

INCOME— <i>Concl'd.</i>	Rs.	EXPENDITURE— <i>concl'd.</i>	Rs.
Surplus Brought forward Rs....	1,55,96,536	Brought forward ...	57,15,034
		<b>Interest Accrued But Not Paid (on water works Debt).</b>	
		Accrued Interest on Rs. 85 Lacs. Loan (1953-54) ...	14,131
		Do. Rs. 50 Lacs. Loan (1953-54) ...	16,314
		Do. Rs. 33 " " (1951-52) ...	15,469
		Do. Rs. 35 Lacs. Loan (1952-53) ...	1,130
			<b>47,044</b>
		Commission to the Imperial Bank of India for payment of Interest on the Water Works portion of the different Loans ...	19,134
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ...	19,964
			<b>39,098</b>
		<b>Reduction of debt or investment of Sinking Fund of the following Water Works Loans:—</b>	
		Rs. 100 Lakhs Loan from Government for financing V.C.T. Scheme, on 17-11-1953	2,32,145
		Rs. 100 Lakhs Loan Do. do. 4-3-1954 ...	2,32,145
		70 Lakhs Loan for Reduplication of the Tansa Main and other Auxiliary Works ...	78,045
		2 Crores Loan for Major Development Works ...	6,43,169
		160 Lakhs Loan for improvement of the water supply in Bombay ...	2,85,280
		150 Lakhs Loan 1925-26 ...	6,34,730
		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) ...	9,44,579
		Rs. 33 Lakhs Loan (1951-52) ...	1,77,432
		Rs. 60 Lakhs Loan (1951-52) ...	1,10,469
		Rs. 2,44,14,500 Loan (1953-54) ...	15,46,663
		Rs. 69 Lakhs Loan (1952-53) ...	1,37,887
		Rs. 35 Lakhs Loan (1952-53) ...	1,71,569
		Rs. 85 Lakhs Loan 1953-54 ...	1,41,006
		Rs. 50 Lakhs Loan 1953-54 ...	1,68,664
		8½ Lakhs Advance from Plant and Machinery Depreciation Fund...	378
		3 Lakhs Advance from Renewal of Road Surfaces Fund ...	1,163
		3.69 Lakhs Advance from Net Premia Fund ...	1,276
		Rs. 8 Lakhs Advance from Net Premia Fund ...	19,636
		Rs. 3,81,662 Advance from Municipal Fire and Accident Insurance Fund ...	9,368
		Rs. 2,16,600 Advance from Net Premia Fund ...	1,638
		Rs. 1,71,400 " " " " ...	971
		Rs. 43,200 " " " " ...	428
		Rs. 73,566 " " " " ...	3,255
		Rs. 89,537-4-6 " " " " ...	4,466
		Rs. 55,216-4-0 " " " " ...	3,075
		Rs. 1,08,567-5-0 " " " " ...	5,450
		Rs. 97,972-4-0 " " " " ...	6,492
		Rs. 93,034-13-6 " " " " ...	4,751
		Rs. 1,23,619-2-6 " " " " ...	8,904
		Rs. 2,93,378-9-0 Advance from Depreciation Fund for replacement of Plant and Machinery Purchased out of Loan Funds ...	730
		Rs. 43,215-8-0 Advance from K.E.M. Hospital and G.S.M. College Research Fund ...	6,254
		Rs. 24,178-13-0 Advance from Net Premia Fund ...	4,862
		Rs. 3,95,820-3-6 Advance from Net Premia Fund ...	28,993
		Rs. 36,349-2-0 Advance from K. E. M. Hospital and G. S. M. College Fund ...	5,560
		Rs. 8,08,361-3-6 Advance from Net Premia Fund ...	73,338
		Rs. 3,52,682-11-3 Advance from Municipal Fire & Accident Insurance Fund ...	11,456
		Rs. 81,089-8-0 Advance from Depreciation Fund for Replacement of Plant and Machinery purchased out of Loan Fund ...	563
		Rs. 3,04,224-12-9 Advance from Net Premia Fund ...	2,981
		Rs. 4,36,209-13-9 Advance from Municipal Fire and Accident Insurance Fund ...	44,461
		Rs. 4,909-7-0 Advance from K. E. M. Hospital Research Fund ...	53
		Rs. 2,39,815-6-0 Advance from Depreciation Fund for replacement of Plant and Machinery Purchased out at Loan Fund ...	56
			<b>73,23,017</b>
		<b>Total Debt Charges</b> ...	<b>1,31,24,193</b>
		Surplus—Excess of Income over Expenditure... ..	24,72,343
<b>Total Rs.</b> ...	1,55,96,536	<b>Total Rs.</b> ...	1,55,96,536

(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.	1949-50.		1950-51.		1951-52		1952-53		1953-54.		1954-55.	
	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.
1 Hotels	16,18,47,730	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	16,67,35,422	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	20,78,16,871	Rs. 1 2 0 Rs. 1 1 0 Rs. 1 4 0	21,78,65,180	Rs. 1 2 0 Rs. 1 4 0 Rs. 1 4 0	18,12,36,809	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 4 0	20,38,24,913	Rs. 1 2 0 Rs. 1 5 4 Rs. 1 6 0
2 Cotton Factories	3,15,36,48,462	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	2,54,77,63,886	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	3,42,60,57,747	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	3,18,39,53,901	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	3,37,70,46,621	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	3,36,51,53,121	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
3 Flour Mills	29,04,000	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	29,08,300	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	2,90,180	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	6,62,370	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	4,68,690	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	26,87,480	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
4 Other Factories	76,56,10,149	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	92,01,22,266	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	1,01,93,07,851	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	99,38,23,309	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	1,17,80,59,569	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	97,73,67,685	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
5 Milch Cattle Stables	19,21,72,208	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	15,42,43,667	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	9,42,08,200	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	5,68,04,970	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	5,42,62,470	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	3,75,78,186	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
6 Government Properties (a)	1,22,40,24,500	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	1,27,81,78,250	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	1,25,53,13,260	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	1,09,55,06,910	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	92,44,02,995	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	1,82,12,19,510	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
7 Railways	73,78,14,900	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	79,06,59,600	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	74,33,70,000	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	1,03,42,45,560	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	87,93,39,700	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	1,05,09,97,350	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
8 Port Trust	93,11,49,170	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	86,95,13,910	Rs. 1 0 0 Rs. 1 0 0 Rs. 1 0 0	80,74,43,950	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	93,32,46,490	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	58,94,62,800	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0	99,65,78,305	Rs. 1 2 0 Rs. 1 2 0 Rs. 1 2 0
9 Suburbs (b)	1,79,57,98,330	At different rates. Rs. 9,09,925 0 0	33,21,76,000	At different rates. Rs. 1,95,158 8 0	1,61,52,28,490	At different rates. Rs. 8,55,293 9 0	37,22,87,160	At different rates. Rs. 2,70,296 6 0	30,23,73,520	At different rates. Rs. 1,91,265 5 0	11,03,75,100	At different rates. Rs. 80,361 9 0
10 Miscellaneous(c)	1,07,87,84,229	At different rates. Rs. 8,66,876 11 0	1,10,44,53,202	At different rates. Rs. 9,98,063 14 0	1,23,75,69,476	At different rates. Rs. 11,38,079 13 0	1,93,94,26,883	At different rates. Rs. 16,07,321 5 0	2,50,01,91,885	At different rates. Rs. 21,25,153 13 0	2,11,56,47,979	At different rates. Rs. 18,37,533 7 0
11 Merged area	...	...	...	...	80,00,00,067	Rs. 3,00,000 0 0	3,03,48,10,000	Rs. 13,18,895 1 0	2,72,84,59,977	Rs. 10,23,172 8 0	3,21,10,01,800	Rs. 12,04,125 11 0
<b>Total</b>	<b>10,04,37,53,678</b>	<b>Rs. 92,16,589 8 0</b>	<b>8,16,67,54,503</b>	<b>Rs. 80,97,403 6 0</b>	<b>11,20,66,06,092</b>	<b>Rs. 1,02,73,353 15 6</b>	<b>12,86,26,32,733</b>	<b>Rs. 1,17,45,434 2 0</b>	<b>12,71,53,05,036</b>	<b>Rs. 1,19,15,628 1 9</b>	<b>13,89,24,31,429</b>	<b>Rs. 1,26,30,975 13 4</b>

(a) The rates charged are in accordance with the Water Rules for the respective years.  
 (b) The rates charged vary from Annas 10 to Rs. 1-4-0 per 1,000 gallons.  
 (c) The rates charged vary from Annas 12 to Rs. 2-6-0 per 1,000 gallons.

## Appendix No. 12-A.

## WATER WORKS ACCOUNT.

Schedule of Liabilities and Assets at 31st March 1955.

LIABILITIES.	Rs.	ASSETS.	Rs.
<b>I.—DEBT PRINCIPAL—</b>		<b>I.—PROPERTIES—</b>	
<i>Due to Government—</i>			
2 Crores Loan for Major Development Works	3,20,138	Water Works executed out of Loan, Surplus and Reserve Funds ( <i>vide</i> Appendix No. 8)	
150 Lakhs Loan (1925-26)	10,98,606		
Rs. 1 Crore Loan from Govt. for V. C. T. Scheme on 17-11-53	97,67,855		
Rs. 1 Crore Loan from Govt. for V. C. T. Scheme on 4-3-54	97,67,855		
Rs. 1 Crore Loan from Govt. for V. C. T. Scheme on 29-6-54	1,00,00,000		
Rs. 1 Crore Loan from Govt. for V. C. T. Scheme on 29-10-54	1,00,00,000		
Total	4,09,54,454		
<i>Due to the Public—</i>			
Tansa Water Works Loan of 147 Lakhs	36,000	Out of Loan Reserve Funds—	
Water Works portion of the 25 Lakhs Loan for Sewerage, Roads and other Works	93	Ordinary Works	20,32,43,894
70 Lakhs Loan for the Reduplication of the Tansa Main and other Auxiliary Works	20,59,237	Tansa Completion Works	4,99,46,291
160 Lakhs Loan for the improvement of the water-supply in Bombay	8,14,500	Works executed out of Worn-out Water Mains Renewal Fund	9,64,526
Water Works portion of the 25 Lakhs Loan (1927-28)	25,060	Plant and Machinery Ra. 15,26,478	
Water Works portion of 37 Lakhs Loan	38,620	Less—Written off ...	7,23,955
Water Works portion of 40 Lakhs Loan (1928-29)	722		8,02,523
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	<b>II.—INVESTMENTS—</b>	
Water Works portion of 30 Lakhs Loan (1938-39)	9,18,028	1. Imperial Bank of India—Municipal Loans Sinking Fund Deposit Account—(Water Works portion) ...	
Water Works portion of 64 Lakhs Loan (1939-40)	7,39,529	2,53,22,807	
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. 2,44,14,500 Loan (1952-53)	2,20,33,462		
Water Works portion of 69 Lakhs Loan (1952-53)	26,69,481		
Water Works portion of 35 Lakhs Loan (1952-53)	25,00,000		
Water Works portion of 110 Lakhs Loan (1953-54)	1,07,42,192		
Water Works portion of 85 Lakhs Loan (1953-54)	24,86,030		
Water Works portion of 50 Lakhs Loan (1953-54)	46,65,185		
Water Works portion of Rs. 1,92,49,000 Lakhs Loan (1954-55)	1,16,79,948		
Total	12,72,05,287		
Carried over	16,81,59,741	Carried over	28,02,80,041



## Appendix No. 12-A.

## WATER WORKS ACCOUNT—Contd.

## Schedule of Liabilities and Assets at 31st March 1955.

LIABILITIES.	Rs.	ASSETS.	Rs.
Brought over ...	16,81,59,741	Brought over ...	28,02,80,041
<i>Advances from Special Funds—</i>			
Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ...	3,221		
Rs. 3 Lakhs Advance from Renewal of Road Surfaces Fund ...	14,531		
Rs. 3.69 Lakhs Advance from Net Premia Fund ...	17,936		
Rs. 8 Lakhs Advance from Net Premia Fund ...	1,07,377		
Rs. 3,81,662 Lakhs Advance from Municipal Fire and Accident Insurance Fund ...	51,225		
	1,94,290		
Rs. 2,16,600 Advance from Net Premia Fund for purchase of Plant and Machinery ...	1,707		
Rs. 1,71,400 Advance from Net Premia Fund for purchase of Plant and Machinery ...	996		
Rs. 43,200 Advance from Net Premia Fund for purchase of Plant and Machinery in 1941-42...	1,850		
Rs. 73,566 Advance from Net Premia Fund for purchase of Plant and Machinery in 1943-44 ...	3,355		
Rs. 89,537-4-5 Advance from Net Premia Fund for purchase of Plant and Machinery in 1944-45 ...	9,340		
Rs. 55,216-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1945-46 ...	6,404		
Rs. 1,08,567-5-0 advance from Net premia Fund for purchase of Plant and Machinery in 1946-47 ...	52,769		
Rs. 97,972-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1947-48 ...	27,963		
Rs. 93,034-13-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1948-49 ...	37,482		
Rs. 1,23,619-2-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1949-50 ...	81,551		
Rs. 24,178-13-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1950-51 ...	5,016		
Rs. 43,215-8-0 Advance for K.E.M. Hospital and G.S.M. College Research Fund for purchase of Plant and Machinery in 1950-51 ...	6,458		
Rs. 2,98,378-9-0 Advance from Depreciation Fund for replacement of Plant and Machinery in 1950-51 ...	759		
Rs. 3,93,820-3-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1951-52...	61,288		
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 ...	11,750		
Rs. 8,08,361-3-7 Advance from Net Premia Fund for purchase of Plant and Machinery in 1952-53 ...	2,38,090		
Rs. 3,52,682-11-3 Advance from Municipal Fire and Accident Insurance Fund for purchase of Plant and Machinery in 1952-53 ...	37,190		
Rs. 81,038-8-0 Advance from Depreciation Fund for replacement of Plant and Machinery in 1952-53 ...	1,828		
Rs. 3,04,224-12-9 Advance from Net Premia Fund ...	15,613		
Rs. 4,35,209-15-9 Advance from Municipal Fire & Accident Insurance Fund ...	2,02,909		
Rs. 4,909-7-0 Advance from G. S. M. College and K. E. M. Hospital Research Fund ...	1,033		
Rs. 12,513 8-6 Advance from Net Premia Fund ...	8,749		
Rs. 1,11,429 0-1 Advance from Municipal Accident & Insurance Fund.	8,560		
	8,22,660		
II.—SINKING FUNDS ON MUNICIPAL LOANS (invested as per contra) ...	2,53,22,807		
III.—SPECIAL FUNDS—			
Net Premia Fund (invested as per contra) ...	31,48,387		
IV.—CAPITAL ACCOUNT—			
General Reserve being Assets in excess of Liabilities ...	8,65,04,498		
Less—Assets Written off ...	7,23,955		
	8,57,80,543		
Total ...	28,34,28,428	Total ...	28,34,28,428

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 1955*

INCOME.	Rs.	EXPENDITURE.	Rs.
Income for the year—vide details in Appendix No. 3 ...	37,27,926	Maintenance Charges of—including Refrigerator charges vide Appendix No. 4—	9,48,676
		Provident Fund and Pension etc., charges ...	60,716
		Proportion of General Supervision ...	48,414
		Dearness Allowance ...	3,19,696
		New Works out of Current Revenue ...	21,165
		<b>Total Expenditure</b> ...	<b>13,98,667</b>
		Surplus carried down ...	23,29,259
	37,27,926	<b>Total Rs.</b> ...	<b>37,27,926</b>

**Net Revenue Account for the year ended 31st March 1955**

INCOME.	Rs.	EXPENDITURE.	Rs.
Surplus brought down ...	23,29,259	<b>Interest on Loans</b>	
		<b>Due to Government—</b>	
		Rs. 2 Crores Loan ...	2,934
			2,934
		<b>Due to public—</b>	
		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) ...	3,823
		Rs. 80 Lakhs Loan (1950-51) ...	15,562
		Rs. 60 Lakhs Loan (1951-52) ...	9,300
		Rs. 2,44,14,500 Loan (1952-53) ...	497
		Rs. 69 Lakhs Loan 1952-53 ...	2,126
		Rs. 110 Lakhs Loan (1953-54) ...	13,560
		Rs. 189 Lakhs Loan 1954-55 ...	1,404
			64,423
		<b>Advance from Special Funds—</b>	
		Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ...	937
		Rs. 93,034-13-6 Advance from Net Premia Fund for purchase of Plant & Machinery ...	373
		Rs. 53,323-11-0 Advance from Municipal Fire and Accident Insu. Fund ...	1,240
		Rs. 80,908-13-0 Advance do. ...	482
		Rs. 3,52,682-11-3 do. do. ...	587
		Rs. 26,504-4-0 Advance from Precast concrete Slab Pavement Renewal Fund ...	10
		Rs. 4,36,209-13-9 Advance from Municipal Fire and Accident Insurance Fund ...	672
		Rs. 2,961-4-0 Advance from Slum Service Fund ...	16
		Rs. 2,65,452-12-0 Advance from Plant and Machinery Depreciation Fund ...	1,326
		Rs. 71,817-4-0 Advance from Precast Concrete Slab Pavement Renewal Fund ...	1,165
		Rs. 2,39,815-6-0 Advance from Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Fund ...	445
			7,253
		<b>Interest Accrued but not Paid</b>	
		Accrued Interest on Rs. 110 Loan of 1953-54 ...	1,346
			1,346
		Commission to the Imperial Bank of India for the payment of Interest on the portions of the different Loans ...	105
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ...	12
			117
		<b>Reduction of Debt or Investment of Sinking Fund</b>	
		Rs. 24½ Lakhs Loan ...	593
		Rs. 30 Lakhs Loan (1937-38) ...	1,631
		Rs. 2 Crores Loan ...	58,685
		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. 60 Lakhs Loan (1951-52) ...	13,335
		Rs. 69 Lacs Loan 1952-53 ...	2,704
		Rs. 110 Lakhs Loan 1953-54 ...	13,911
		Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ...	1,971
		Rs. 53,323-11-0 Advance from Municipal Fire and Accident Insurance Fund ...	3,227
		Rs. 93,034-13-6 Advance from Net Premia Fund for purchase of Plant and Machinery ...	1,400
		Rs. 80,908-13-0 Advance from Municipal Fire and Accident Insurance Fund ...	7,293
		Rs. 3,52,682-11-3 Advance from Municipal Fire and Accident Insurance Fund ...	3,453
		Rs. 26,504-4-0 Advance from Precast Concrete Slab Pavement Renewal Fund ...	59
		Rs. 4,36,209-13-9 Advance from Municipal Fire and Accident Insurance Fund ...	3,099
		Rs. 2,961-4-0 Advance from Slum Service Fund ...	76
		Rs. 2,65,452-12-0 Advance from Plant and Machinery Depreciation Fund ...	6,117
		Rs. 71,817-4-0 Advance from Precast Concrete Slab Pavement Renewal Fund ...	5,380
		Rs. 2,39,815-6-0 Advance from Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Fund ...	2,057
			1,47,168
		<b>Total Debt Charges</b> ...	<b>2,23,241</b>
		Surplus—Excess of Income over Expenditure ...	21,06,018
	23,29,259	<b>Total Rs.</b> ...	<b>23,29,259</b>

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**Appendix No. 14**  
**MUNICIPAL PRINTING PRESS**  
*Income and Expenditure for the year 1954-55*

Expenditure.	Details.	Amount.	Income.	Details.	Amount.
	Rs. a. p.	Rs. a. p.		Rs.	Rs.
Materials on hand and works in progress on 1st April 1954 } Including amounts with the Reserve Bank of India }	Ra. ...	5,67,304 10 1			
<b>Expenditure during the year—</b>					
<b>Establishment—</b>					
(a) Permanent	51,298 9 0				
(b) Allowances	18,579 7 5	69,878 0 5			
Labour	...	2,77,950 1 9			
Materials	...	2,43,399 2 7			
Work through outside Agencies	...	3,348 11 10			
Electric Power	...	3,430 13 10			
<b>Contingencies—</b>					
Printing	2,391 3 4		Amount chargeable to the departments for work done		7,28,455 13 0
Stationery	174 13 9				
Books and Dead Stock	1,280 1 0				
Lighting	2,521 13 0				
Miscellaneous	7,519 9 0	13,887 8 1			
Repairs to Machinery	...	7,484 12 9			
Rent	...	3,578 7 10	Amount chargeable to the private parties for work done		1,10,433 8 0
Provident Fund	...	21,735 3 0			
<b>Debt charges—</b>					
(1) Interest	33,910 1 0		Amount of sale of waste paper & Metal ash		Dr. 6,352 5 2
(2) Repayment of capital	33,539 10 0	67,449 11 0			
Maintenance of delivery van	...	1,109 2 5			
Expenditure other than Establishment in connection with the reorganisation Scheme	...	2,560 7 6	<b>Stock at close—</b>		
<b>Private Works—</b>					
Labour	...	58,425 15 0	Works in progress	1,23,025 8 0	
Materials	...	48,257 13 0	Materials on hand	4,22,696 11 7	5,45,722 3 7
Overhead	...	703 15 0	Deposit with Reserve Bank of India		15,648 10 0
		*1,07,387 11 0			
Difference representing surplus (1) Rs. 357-8-4 on departmental works and (2) Rs. 3,045-13-0 on private works transferred to revenue.		3,403 5 4			
		13,93,907 13 5			13,93,907 13 5

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\* Out of this an amount of Rs. 25,000 is met out of Sundry advances—miscellaneous advances provisionally for want of sufficient balance under Advance—Private Works.

**T. V. DORAISWAMY,**  
*Chief Accountant.*

**P. R. NAYAK,**  
*Municipal Commissioner.*

## Appendix No. 14—A

## Statement of Advance for 1954-55

Name of Account.	Opening Balance on 1st April 1954.	Debits during 1954-55.	Total.	Credits during 1954-55.	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>Departmental Works—</b>					
Water Works	1,82,515	1,25,364	3,07,879	34,393	2,73,486
Printing Press	7,60,630	7,15,812	14,76,442	7,12,127	7,64,315(a)
Workshops	7,07,264	3,84,428	10,91,692	4,27,886	6,63,806
Architectural Branch	2,67,128	Cr. 3,411	2,63,717	54,935	2,08,782
Roads, Buildings and Drainage	14,71,319	12,23,170	26,94,489	15,94,237	11,00,252
Health Department	13,894	12,206	26,100	12,904	13,196
Total	34,02,750	24,57,569	58,60,319	28,36,482	30,23,837
<b>Private Works—</b>					
Workshops	2,683	4,320	7,003	4,618	2,385
Water Works	3,54,550	1,21,654	4,76,204	1,65,549	3,10,655
Roads, Buildings and Drainage	4,67,299	6,33,906	11,01,205	3,89,118	7,12,087
Architectural Branch	6,662	562	7,224	560	6,664
Health Department	2,452	13	2,465	...	2,465
Printing Press	68,413	82,388	1,50,801	97,314	53,487
House Numbering	5,943	5,827	11,770	1,808	9,962
Total	9,08,002	8,48,670	17,56,672	6,58,967	10,97,705
<b>Asphalt Plant, Crushers, etc.—</b>					
Asphalt Plant	6,02,192	8,00,066	14,02,258	8,26,514	5,75,744(b)
Sewri Crushers	1,66,250	2,02,899	3,69,149	1,72,214	1,96,935(c)
Mechanical Transport	1,76,822	2,34,374	4,11,196	2,28,095	1,83,101(d)
Worli Crushers	2,17,173	2,40,141	4,57,314	1,92,957	2,64,357(e)
Pre-cast Concrete Slabs	25,819	8,083	33,902	4,339	29,563(f)
Manufacture of concrete covers	Cr. 819	12,899	12,080	6,263	5,817(h)
Municipal Foundry	...	56,916	56,916	14,336	42,580(i)
Total	11,87,437	15,55,378	27,42,815	14,44,718	12,98,097
<b>Municipal Officers—</b>					
Dishonoured cheques	...	19,55,820	19,55,820	19,55,820	...
Standing advance for Contingent Expenses	84,195	2,825	87,020	980	86,040
Motor cars and motor cycles to officers	97,043	39,193	1,36,236	59,519	76,717
Cycle advances to Subordinates	1,029	420	1,449	670	779
Total	1,82,267	19,98,258	21,80,525	20,16,989	1,63,536
<b>Sundry Advances</b>					
Advance for demolition of unauthorized structures and for removal of unsafe building in the City.	17,12,007	15,20,058	32,32,065	7,59,483	24,72,582
Total	1,272	3,010	4,282	872	3,410
Total	17,13,279	15,23,068	32,36,347	7,60,355	24,75,992
<b>Municipal Contractors</b>					
Municipal Tenderers	Cr. 7,485	7,657	172	6,473	Cr. 6,301
Purchase of Coal	401	10,644	11,045	11,044	1
Purchase of Petrol	636	...	636	176	460
Total	1,30,855	6,17,123	7,47,978	5,62,253	1,85,725(g)
Total	1,24,407	6,35,424	7,59,831	5,79,946	1,79,885
Grand Total	75,18,142	90,18,367	1,65,36,509	82,97,457	82,39,052

	Rs.
(a) Works in progress	1,23,025
Materials on hand	4,22,697
Outstanding Bills	2,02,944
Deposit with Reserve Bank of India	15,649
Total	7,64,315

Rs.		Rs.		Rs.		Rs.	
(b) Stock on hand	1,05,544	(c) Stock on hand	65,501	(d) Outstanding bills	1,36,938	(e) Stock on hand	67,467
Outstanding bills	3,05,783	Outstanding Bills	45,110	Unadjusted Loss	46,163	Outstanding bills	89,344
Unadjusted Loss	1,64,417	Unadjusted Loss	86,324			Unadjusted Loss	1,07,546
Total	5,75,744	Total	1,96,935	Total	1,83,101	Total	2,64,357
						Rs.	
		Rs.		Rs.		Rs.	
		1,63,439		588		588	
		21,680		5,229		5,229	
		1,388		5,817		5,817	
Less—Stock to be paid in 1955-56		1,86,507		782		unadjusted Profit—20,080	
		782				42,580	
		Total		1,85,725			

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## Appendix No. 14-B

## Statement showing Advances out of Special Funds during 1954-55.

Name of Account.	Opening Balance on 1st April 1954.	Debits during 1954-55.	Total.	Credits during 1954-55.	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
Charges to be met out of—					
Municipal Fire and Accident Insurance Fund ... ..	...	476	476	476	...
Net Premia Fund ... ..	...	1,946	1,946	1,946	...
Fines Fund ... ..	141	96,664	96,805	96,780	25
Garden Fund (a) Victoria Gardens ... ..	...	14,554	14,554	14,554	...
G. S. M. College and K. E. M. Hospital Research Fund ... ..	...	20,923	20,923	20,923	...
Renewal of Road Surfaces Fund ... ..	...	31,422	31,422	31,422	...
K.E. M. Hospital & G. S. M. College Equipment Fund ... ..	...	25,243	25,243	25,243	...
Welfare Fund ... ..	...	66,136	66,136	66,136	...
Hospital Fund ... ..	...	3,10,793	3,10,793	3,10,793	...
Advance from Plant and Machinery Depreciation Fund for—					
Purchases of Machinery, etc., pending adjustment against the provisions for depreciation in subsequent years ... ..	3,130	72,558	75,688	74,423	1,265
Advance from Plant and Machinery Depreciation Fund for Levelling Metalling etc., Private Streets ... ..	3,69,109	45,613	4,14,722	27,698	3,87,024
Advance from Net Premia Fund for purchase of Machinery for the Municipal Printing Press ... ..	1,23,624	...	1,23,624	9,581	1,14,043
Advance from Net Premia Fund for Keday 5% 28 lakhs loan ... ..	...	2,07,378	2,07,378	...	2,07,378
Advances for Capital Works from—					
Municipal Fire and Accident Insurance Fund ... ..	12,98,902	1,11,429	14,10,331	2,47,099	11,63,232
Plant and Machinery Depreciation Fund ... ..	17,73,091	1,62,294	19,35,385	4,42,622	14,92,763
Renewal of Road Surfaces Fund ... ..	11,03,128	2,43,020	13,46,148	2,27,889	11,18,259
Net Premia Fund ... ..	42,45,398	1,35,993	43,81,391	6,54,123	37,27,268
Depreciation Fund for replacement of Plant & Machinery purchased out of Loan Fund ... ..	5,45,823	1,15,656	6,61,479	2,07,613	4,53,866
K. E. M. Hospital and G. S. M. College Research Fund ... ..	45,980	39	46,019	17,164	28,855
Advance from Net Premia Fund for Purchase of Indian Military Hospital at Dharavi ... ..	3,35,000	...	3,35,000	3,35,000	...
Advance from K. E. M. Hospital and G. S. M. College equipment Fund for purchase of Machinery for Municipal Printing Press ... ..	1,12,938	...	1,12,938	32,371	80,567
Slum Service Fund ... ..	57,358	98,062	1,55,420	17,004	1,38,416
Hospital Fund ... ..	10,79,514	21,587	11,01,101	3,34,522	7,66,579
Precast Concrete Slab Pavement Renewal Fund ... ..	1,41,930	35,576	1,77,506	37,584	1,39,922
Gardens Fund (a) Victoria Gardens ... ..	1,04,294	18,542	1,22,836	24,480	98,356
<b>Total Rs. ...</b>	<b>1,13,39,360</b>	<b>18,35,904</b>	<b>1,31,75,264</b>	<b>32,57,446</b>	<b>99,17,818</b>

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**Appendix No. 14-C**  
**Statement of Deposit Accounts for 1954-55**

Name of Account.	Opening Balance on 1st April 1954.	Credits during 1954-55.	Total.	Debits during 1954-55.	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>A.—Cash Deposits from Contractors, etc.—</b>					
(1) From Contractors ... ..	16,22,947	11,44,375	27,67,322	12,80,232	14,87,090
(2) From Tenderers ... ..	7,97,170	17,59,541	25,56,711	18,56,016	7,00,695
(4) Tenderers on approved list ... ..	2,06,120	30,000	2,36,120	16,000	2,20,120
<b>B.—Cash Deposits from private parties received through Departmental Offices—</b>	26,26,237	29,33,916	55,60,153	31,52,248	24,07,905
(1) City Engineer ... ..	25,53,811	7,71,429	33,25,240	6,45,893	26,79,347
(2) Hydraulic Engineer ... ..	14,07,725	4,99,431	19,07,156	4,54,783	14,52,373
(3) Assessor and Collector ... ..	16,87,364	181,65,607	1,98,52,971	1,77,25,473	21,27,498
(4) Executive Health Officer ... ..	5,04,859	1,31,783	6,36,642	76,544	5,60,098
(5) Estate Agent and Land Manager—					
(i) Improvement Schemes ... ..	20,69,402	5,73,257	26,42,659	4,16,303	22,26,356
(ii) Municipal Properties ... ..	8,14,667	1,92,048	10,06,715	1,34,174	8,72,541
(6) Dean, (i) K. E. M. Hospital ... ..	1,51,180	22,239	1,73,419	20,973	1,52,446
Dean, (ii) G. S. M. College ... ..	26,165	65,500	91,665	76,155	15,510
Dean (iii) Municipal Group of Hospitals Sion ... ..	1,08,393	1,03,129	2,11,522	1,00,155	1,11,367
(7) Superintendent of Licences ... ..	4,24,644	5,03,943	9,28,587	4,32,539	4,96,048
(8) Superintendent of Markets ... ..	1,55,009	1,47,912	3,02,921	2,31,228	71,693
(9) Controller of Stores ... ..	1,92,204	3,50,641	5,42,845	1,91,757	3,51,088
(10) Election and Town Duty Officer ... ..	4,095	10,839	14,934	11,430	3,504
(11) Municipal Commissioner ... ..	2,324	189	2,513	2,310	203
(13) M. S. ... ..	1	16	17	16	1
(14) Curator Museum ... ..	5,133	2,615	7,748	2,215	5,533
(15) Legal Assistant ... ..	40	...	40	...	40
(16) Chief Officer, Fire Brigade ... ..	869	6,510	7,379	5,696	1,683
(17) Superintendent of Gardens ... ..	10,996	54,790	65,786	54,813	10,973
(18) Mechanical Engineer ... ..	11,303	18,730	30,033	10,612	19,421
(19) Dean T.N.M. College B.Y.L. Nair & Nair Hosp. Dental College ... ..	1,11,550	60,025	1,71,575	89,232	82,343
(20) Chief Inspector, Shops Esstt. ... ..	5,315	15,318	20,633	17,668	2,965
(21) Editor Bombay Civic Journal ... ..	...	4,045	4,045	...	4,045
	1,02,47,049	2,16,59,996	3,19,47,045	2,06,99,969	1,12,47,076
<b>C.—Other Cash Deposits ... ..</b>	38,63,434	2,62,90,542	3,01,53,976	2,58,13,811	43,40,165
<b>D.—Cash Deposits from Lessees ... ..</b>	29,95,474	1,44,391	31,39,865	2,98,146	28,41,719
<b>E.—Paper Deposits (Kept in Office)—</b>					
(1) From Contractors, etc. ... ..	2,67,000	23,08,650	25,75,650	23,93,550	1,82,100
(2) From Tenderers ... ..	1,95,700	4,41,250	6,36,950	2,75,600	3,61,350
(4) Securities held under objection ... ..	1,17,500	1,63,500	2,81,000	2,02,100	78,900
	5,80,200	29,13,400	34,93,600	28,71,250	6,22,350
<b>F.—Paper Deposits from Municipal employees and contractors lodged with the Imperial Bank of India ... ..</b>	41,38,500	9,76,250	51,14,750	19,73,000	31,41,750
<b>G.—Paper Deposits from lessees, etc., lodged with the Imperial Bank of India ... ..</b>	22,86,430	2,28,300	25,14,730	3,29,200	21,85,530
<b>I.—Deposit from A. G. in connection with the work of setting of Tulse pipe line etc. ... ..</b>	14,239	10,669	24,908	Cr 5,280	30,188
<b>J.—Citizens Special Emergency Relief Fund ... ..</b>	1,190	...	1,190	...	1,190
<b>K.—Mayor's Special Emergency Relief Fund ... ..</b>	1,434	...	1,434	...	1,434
<b>L.—Cash Deposits from Accountant General Bombay in respect of Municipal claims arising from Bombay Explosions ... ..</b>	1,78,103	...	1,78,103	...	1,78,103
<b>M.—Deposits from Accountant General Bombay for construction of rooms for Explosions Victims ... ..</b>	21,166	...	21,166	21,166	...
<b>N.—Deposit from Citizens Emergency Relief Committee ... ..</b>	77,224	...	77,224	7,844	69,380
<b>O.—Rent in respect of 300 Rooms at Arthur Road ... ..</b>	1,47,072	76,446	2,23,518	1,31,879	91,639
<b>P.—Rent in respect of 100 Rooms at Wadala Road ... ..</b>	30,129	...	30,129	...	30,129
<b>Q.—Deposit received from the Govt. on account of capitalized value of the pension for the Fire Brigade staff ... ..</b>	56,375	...	56,375	5,638	50,737
<b>R.—Sales Tax ... 1 Sales Tax ... ..</b>	6,423	6,123	12,546	9,029	3,517
<b>... 2 General Tax ... ..</b>	...	2,289	2,289	23	2,266
<b>S.—Deposit from C.E.R. Committee for construction of 100 rooms at Ferguson Road &amp; 150 at Wadala ... ..</b>	64,049	...	64,049	64,049	...
<b>T.—Cash Deposit from C.E.R. Committee for the construction of 30 Tenements at Shantinagar ... ..</b>	...	1,00,214	1,00,214	44,532	55,682
<b>V.—Purchase Tax ... ..</b>	...	199	199	...	199
<b>TOTAL ... ..</b>	2,73,34,728	5,53,82,735	8,27,17,463	5,54,16,504	2,73,00,959

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**Appendix No. 14-D**  
**Statement of Reserve stock for 1954-55**

Name of Account.	Opening Balance on 1st April 1954.	Debits during 1954-55.	Total.	Credits during 1954-55.	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
General Stores Account ... ..	24,07,966	16,88,829	40,96,795	19,55,041	21,41,754
Capital Stores Account ... ..	†17,40,218	47,92,777	65,32,995	58,90,674*	6,42,321
Line Suspense Account ... ..	66,064	18,447	84,511	255	84,256
Total ...	42,14,248	65,00,053	1,07,14,301	78,45,970	28,68,331

\* Out of this credit of Rs. 17,40,218 is due to transfer of Capital Stock Account from Revenue Account to Loan Works Account.

† In addition to this an amount of Rs. 70,31,095 is shown under 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 1955.

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. 20 Lakhs Loan ... ..	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
1923-24	" 70 " " Portion Rs. 20,60,000 ... ..	27,466	10	8	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
1953-54	" 244,14,500 " of 1952-53 ... ..	81,381	11	0	1-9-1964
1953-54	" 60 Lakhs " of 1951-52 ... ..	28,125	0	0	16-8-1966
1953-54	" 69 " " of 1952-53 ... ..	23,000	0	0	1-9-1967
1953-54	" 10 " " of 1950-51 ... ..	361	0	0	16-8-1965
1953-54	" 1.75 Crores " of 1951-52 ... ..	622	0	0	3-10-1966
1954-55	" 33 Lakhs " of 1951-52 ... ..	15,468	12	0	3-10-1966
1954-55	" 35 " " of 1952-53 ... ..	1,555	9	0	1-9-1964
1954-55	" 110 " " of 1953-54 ... ..	36,666	11	0	1-9-1963
1954-55	" 85 " " of 1953-54 ... ..	28,333	5	0	1-9-1973
1954-55	" 50 " " of 1953-54 ... ..	16,666	11	0	1-9-1973
	Total Rs. ...	9,80,943	5	4	

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.



**Appendix**

*Statement showing the amounts of the Receipts and Expenditure respectively credited to the credit of the Fund at the close of the*

		Details.			Total.		
		Rs.	a.	p.	Rs.	a.	p.
<b>RECEIPTS—A.—REVENUE ACCOUNT.</b>							
	A.—General Tax	3,47,17,755	0	10			
	B.—Town Duties	74,56,026	1	0			
	C.—Other Receipts						
1. General Tax, Indirect Taxation and Miscellaneous Revenue.	(a) Grant-in-aid of the fees for Land Conveyance, Music etc., Licences	10,905	0	0			
	(b) Grant-in-aid in respect of fines for offences against the Law	1,30,393	1	0			
	(c) Interest and Profit on Investment of Surplus Loan and other balances	25,43,858	10	9			
	(d) Interest on Plant and Machinery Depreciation Fund	1,52,269	2	0			
	(e) Miscellaneous	7,09,911	5	1			
	(f) Receipts on account of Municipal Journal	23,462	15	0			
2. Water Works—Water Tax and other Miscellaneous Water Works Revenue					4,57,44,581	3	8
	A.—Water Tax	1,90,97,892	6	0			
	B.—Other Receipts	4,97,042	10	10			
3. Education—Primary					1,95,94,935	0	10
4. Education—Secondary					3,606	7	6
5. Public Health Department					3,52,152	6	4
6. Medical Relief and Education					8,75,057	13	1
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service—							
	A.—Halalkhore Tax	64,56,216	15	4			
	B.—Other Receipts	2,75,799	9	8			
8. Roads, S. W. Drains and public Lighting—					67,32,016	9	0
	A.—Wheel Tax	40,64,101	10	8			
	B.—Government Contribution in lieu of Tolls	25,000	0	0			
	C.—Other Receipts						
	(a) Ground Rent	30,525	12	0			
	(b) Miscellaneous	5,01,613	11	8			
	(c) Interest realised on Donations	1,917	13	0			
9. Mechanical					46,23,158	15	4
10. Buildings, Land Acquisition and Management—					2,37,017	1	2
	A.—Sale Proceeds of Surplus Land	4,28,821	13	0			
	B.—Other Receipts						
	(a) Rent of Buildings	52,054	5	0			
	(b) Ground Rent	3,12,540	4	4			
	(c) Miscellaneous	6,09,368	4	11			
11. Fire Brigade—					14,02,784	11	3
	A.—Fire Tax	15,43,237	2	0			
	B.—Other Receipts	30,242	2	9			
12. Licensing, Removal of Encroachments on Public Streets, Administration of Shops & Establishment Act, 1948 and Theatre Tax					15,73,479	4	9
	A.—Licences for Dangerous and Offensive Trades	10,70,223	2	0			
	B.—Removal of Encroachments on Public Streets	6,08,486	5	0			
	C.—Receipts from administration of Shops & Establishment Act.	1,43,153	12	6			
	D.—Miscellaneous	3,45,988	8	6			
	E.—Receipts from Theatre Tax	5,39,359	13	0			
13. Gardens and Open Spaces					27,07,211	9	0
14. Markets and Slaughter Houses					2,13,732	4	7
15. Contribution from Capital Funds to Revenue on account of Loan Works Staff					37,27,925	15	3
16. Extraordinary Receipts					2,38,042	15	0
17. Rebate from Government on account of collection of the Urban Immovable Property Tax in the City					2,38,321	9	0
18. Transfers from the B. E. S. & T. Fund					1,95,257	13	6
					34,39,823	10	7
<b>Total Revenue Receipts Rs.</b>					9,18,99,105	5	10

No. 15.

and debited to the Municipal Fund during the year 1954-55 and the balance year 1954-55 (i. e. 31st March 1955).

	Details		Total	
	Rs.	a. p.	Rs.	a. p.
<b>RECEIPTS—B.—CAPITAL ACCOUNT—</b>				
<b>Loan Funds—</b>				
Debt—Principal—				
Rs. 180 Lakhs Loan of 1954-55	1,92,49,000	0 0		
4% Rs. 70 Lakhs Loan of 1954-55	70,00,000	0 0		
Rs. 2 Crores Loan from Government for V.C.T. Scheme	2,00,00,000	0 0		
Advances from Special Funds for purchase of Plant and Machinery—				
Net Premia Fund	12,313	8 6		
Municipal Fire and Accident Insurance Fund	1,11,429	0 1		
K.E.M. Hospital Research Fund	39	0 0		
Pre-cast Concrete Slab Pavements renewal Fund	35,575	9 0		
Garden Fund (a) Victoria Gardens	18,541	9 6		
Slum Service Fund	98,061	8 0		
Hospital Fund	21,586	12 3		
Renewal of Road Surfaces Fund	2,43,019	13 0		
Plant and Machinery Depreciation Fund	1,62,294	13 0		
Depreciation Fund for replacement of Plant and Machinery purchased out of Loan Funds	1,15,656	4 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	1,23,479	11 9		
Advance from Net premia fund for Repayment of Rs. 28 lakhs Loan of 1929	2,07,378	0 0		
			4,73,98,575	9 1
<b>Trust Fund—</b>				
Donations	35,000	0 0		
Interest on investments	...	...		35,000 0 0
Total Capital Account Receipts Rs.				4,74,33,575 9 1
<b>RECEIPTS—C.—SUSPENSE ACCOUNT—</b>				
<b>I.—Sinking and Special Fund Accounts—</b>				
Sinking Fund account—Municipal	95,18,409	8 0		
Special Fund Accounts	66,75,290	15 1		
Improvement Schemes Fund Account—				
(a) Sinking Fund Account	31,13,196	7 8		
(b) Investment Reserve Fund Account	1,95,809	12 0		
<b>II.—Paper and Cash Accounts—</b>				
(1) Sinking Fund	2,14,36,511	9 0		
(2) Special Funds	60,38,043	10 9		
(3) Surplus Fund	239,68,139	2 7		
(4) Loan Fund	1,19,67,798	5 3		
(5) Improvement Schemes Funds—				
(a) Sinking Fund	2,37,393	3 0		
(b) Capital Fund	30,25,849	4 0		
(c) Investment Reserve Fund	79,280	7 0		
State Bank of India and other Local Banks on account of Sundry deposits	10,01,38,913	13 0		
<b>III.—Suspense Accounts—</b>				
Deposit Account	5,53,82,735	3 11		
Reserve Stores Account	56,21,875	5 5		
Capital Stores Accounts	1,02,26,884	9 2		
Purchase of Petrol and Diesel Oil	5,62,252	7 5		
Purchase of Coal	175	8 4		
Advances Departmental Works	16,96,469	9 11		
Advances Municipal Workshops	4,27,885	12 4		
Municipal Foundry	14,335	13 0		
Worli Crushers	1,92,956	7 0		
Sewri Crushers	1,72,213	8 0		
Mechanical Transport	2,28,095	2 0		
Asphalt Plant	8,26,514	3 0		
Pre-Cast Concrete Slabs	4,338	13 3		
Municipal Printing Press	7,12,126	15 6		
Advances Private Works	6,58,966	13 11		
Advances Special Funds	32,57,445	15 3		
Municipal Contractors	6,473	5 0		
Municipal Tenderers	11,043	12 0		
Sundry Advances	7,59,483	6 5		
Advances for demolition of unauthorised structures and for removal of unsafe Buildings in the City	872	0 0		
Advances to Municipal Officers—				
Interest Accrued but not paid	61,169	1 0		
Provident Fund	98,691	0 0		
Welfare Fund	94,10,773	14 5		
Fines Fund	349	0 0		
Gardens Fund	20,591	2 0		
Victoria and Albert Museum Fund	55,652	13 6		
Fidelity Guarantee Insurance Fund	8,825	10 0		
Bombay Municipal Corporation Loans Interest Warrants payable Account	9,915	3 0		
City of Bombay Improvement Trust Loans Interest Warrants Payable Account	52,50,202	4 2		
Cash Bills outstanding Account	17,87,633	15 4		
Dishonoured Cheques	65,175	5 9		
Cheques payable	19,55,819	10 10		
Wages Deposit Account	23,01,78,055	7 0		
Advance from S. C. B. for financing expenditure on Capital Works pending raising of a new Loan	67,44,426	14 0		
Loan Redemption Fund—Municipal	2,64,78,023	7 0		
Loan Redemption Fund—Improvement Schemes	2,58,36,402	9 0		
Manufacture of concrete covers—Recoveries	7,33,564	8 0		
Interest on B. I. T. Loans payable Account	6,262	13 0		
	1,100	0 0		
Total Receipts—C.—Suspense Accounts			57,58,60,415	6

	Details.			Total.		
	Rs.	a.	p.	Rs.	a.	p.
<b>RECEIPTS—D.—IMPROVEMENT SCHEMES ACCOUNT—</b>						
<b>General Account Revenue—</b>						
I.—Rents and other proceeds of Properties	71,82,834	7	7			
II.—Contribution from the Municipal Corporation under section 125 (2)(d) of the Municipal Act.	39,62,054	3	0			
III.—Grant-in-aid out of Tobacco Duty receipts	10,00,000	0	0			
IV.—Interest and Profit on Investments	5,06,823	9	8			
V.—Miscellaneous Receipts	83,303	0	8			
VI.—Appropriation from Capital Account to meet deficit in the General Account						
<b>Total Rs.</b>					1,27,35,015	4 11
<b>Capital Account—</b>						
I.—Sale proceeds of Lands, Buildings, etc.	14,83,942	9	0			
II.—Grant in aid from Govt. of Bombay	5,00,000	0	0			
III.—Transfer of Revenue Surplus to Capital Account	3,61,347	5	7			
<b>Total—Capital Account Receipts Rs.</b>					23,45,289	14 7
<b>Total—D.—Improvement Schemes</b>					1,50,80,305	3 6
<b>EXPENDITURE A.—REVENUE ACCOUNT.</b>						
<b>I.—General Supervision, Collection of Revenue, etc.—</b>						
A.—General Superintendence	15,33,849	10	6			
B.—Collection of Revenue	13,25,446	8	0			
C.—Upkeep and guarding of Municipal Head Office	88,006	7	1			
D.—General Stores	1,61,900	1	6			
E.—Miscellaneous Charges	2,65,312	4	0			
F.—Election Expenses	27,169	0	9			
G.—New Works	216	15	0			
H.—Debt Charges	1,31,034	1	6			
Deduct—Proportion of General Superintendence chargeable to Water Works, Fire Brigade Markets, and Improvement Schemes Account and Education Fund account	8,71,361	6	7			
					26,61,573	9 9
<b>II.—Water Works—</b>						
A.—Maintenance	23,04,046	9	6			
B.—Income Tax on income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction	Cr. 12,325	10	0			
C.—Provident Fund and Pensions, etc., Charges	2,19,701	12	0			
D.—Proportion of General Supervision and Collection of Revenue, etc.	5,17,134	6	9			
E.—Dearness Allowance	9,12,493	0	0			
F.—New Works	57,348	14	1			
G.—Debt Charges	1,31,24,192	11	4			
					1,71,22,591	11 8
<b>III.—Education—Primary</b>						
<b>IV.—Education—Secondary</b>						
A.—Victoria & Albert Museum	29,166	8	6			
B.—Municipal Free Reading rooms & Libraries	49,852	5	0			
C.—Debt charges	1,175	10	0			
					80,194	7 6
<b>V.—Public Health Department</b>						
A.—General Superintendence	20,63,912	10	9			
B.—Supply of milk to the undernourished needy children attending Municipal Schools	8,86,989	4	6			
C.—New Works	12,221	15	0			
D.—Debt Charges	5,81,053	6	6			
Expenditure other than Estt. in connection with reorganisation scheme	35,230	11	0			
					35,79,407	15 9
<b>VI.—Medical Relief and Education—</b>						
A.—Hospitals and Maternity Homes	71,27,595	4	5			
B.—Dispensaries	3,35,033	5	4			
C.—Medical and Nursing Assistance to poor people in their houses	1,143	3	6			
D.—Family planning clinics	22,504	6	0			
E.—Medical Education	9,73,387	10	9			
F.—Statutory Contribution to Government Medical Institutions	4,14,500	0	0			
G.—Clinic for treatment of Leprosy cases	61,660	0	0			
H.—New Works	68,053	6	0			
I.—Debt Charges	6,02,339	11	9			
					96,06,216	15 9
<b>VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—</b>						
A.—Street Cleansing and Conservancy	7,33,523	15	0			
B.—Collection, Loading Removal and disposal of Town Refuse	56,35,641	10	9			
C.—Road Watering	1,518	5	0			
D.—Halalkhore Service	50,00,895	1	0			
E.—New Works	25,362	3	0			
F.—Debt Charges	26,29,871	11	9			
					1,40,26,812	14 6
<b>VIII.—Roads S. W. Drains and Public Lighting—</b>						
A.—General	2,59,644	4	8			
B.—Maintenance of Roads	24,82,884	1	11			
C.—Public Lighting	22,16,792	3	5			
D.—Maintenance of S. W. Drains	44,657	13	0			
E.—Rebate on Account of the compounded wheel-tax,	18,976	0	0			
F.—New Works	21,549	14	0			
G.—Debt Charges	29,70,799	8	11			
					80,15,303	13 11
<b>IX.—Mechanical—</b>						
A.—Mechanical Engineer's Office Estt.	2,53,903	4	7			
B.—Supervision of Factories, Workshops and Work-places	6,693	9	0			
C.—New Works	5,678	14	0			
D.—Debt Charges	1,91,444	7	1			
					4,57,720	2 8
<b>Expenditure—A—Rev. account Carried forward</b>					5,55,49,821	11 6

## No. 15—Continued.

		Details.			Total.		
		Rs.	a.	p.	Rs.	a.	p.
<b>EXPENDITURE—A.—REVENUE ACCOUNT—Concluded</b>					5,55,49,821	11	6
	Brought over						
X.—Buildings, Land Acquisition and Management—							
A.—City Engineer's Central Office Establishment	...	1,55,207	3	3			
B.—Inspection and Supervision of Private Buildings	...	4,56,355	14	11			
C.—Removal of stall-boards in the City	...	3,369	0	0			
D.—Architectural	...	1,45,729	0	0			
E.—Land Acquisition and Management	...	2,70,424	12	5			
F.—Debt Charges	...	6,97,486	15	6			
—New Works	...	625	15	0			
Deduct—Supervision Chargeable to Improvement Schemes Account	...	50,148	6	0			
					16,79,050	7	1
XI.—Fire Brigade—							
A.—Maintenance	...	8,11,586	12	0			
B.—Provident Fund, Pensions, etc., Charges...	...	1,45,989	5	0			
C.—Proportion of General Supervision and Collection of Revenue	...	42,287	9	9			
D.—Dearness Allowance	...	2,24,736	14	0			
E.—New Works	...	13,468	15	0			
F.—Debt Charges	...	1,82,891	14	4			
					14,20,961	6	1
XII.—Licensing, Removal of Encroachment on Public Streets and Administration of Shops and Establishment Act, 1948 and Theatre Tax—							
A.—Licensing Establishment	...	2,04,975	11	10			
B.—Removal of encroachments on Public Streets	...	1,43,935	2	8			
C.—Administration of Shops and Establishment Act, 1948	...	1,40,468	7	0			
D.—Administration of Theatre Tax	...	12,646	14	0			
E.—New Works	...	142	10	0			
F.—Debt Charges	...	1,751	10	0			
					5,03,920	7	6
XIII.—Gardens and Open Spaces—							
A.—Gardens	...	4,75,794	1	0			
B.—New Gardens, Recreation Ground etc.	...	12,946	14	6			
C.—Road side Trees	...	36,793	3	7			
D.—New Works	...	31,267	4	0			
E.—Debt Charges	...	1,35,073	10	4			
					6,91,875	1	5
XIV.—Markets and Slaughter Houses—							
A.—Markets and Slaughter Houses & Refrigerator at A. C. Market	...	9,48,676	2	1			
B.—Provident Fund and Pension, etc., charges	...	60,715	8	0			
C.—Proportion of General Supervision	...	48,414	6	6			
D.—Dearness Allowance	...	3,19,695	14	0			
E.—New Works	...	21,165	3	0			
F.—Debt Charges	...	2,23,240	8	9			
					16,21,907	10	4
XV.—Contribution to—							
(a) Budget 'B' under Section 125(2)(d) of the Bombay Municipal Corporation Act	...	39,62,054	3	0			
(b) Budget 'D' under Section 123(B)(2) of the Bombay Municipal Corporation Act	...	13,71,055	0	0			
(c) Budget 'E' under Section 126C(c) of the Bombay Municipal Corporation Act	...	99,05,135	0	0			
					1,52,38,284	3	0
XVI.—Miscellaneous							
A.—Provident Fund, Pensions Gratuities and Compassionate Allowances	...	20,47,140	3	5			
B.—Urban Immovable Property Tax on Municipal Properties in the City	...	6,710	14	0			
C.—Dearness Allowance	...	86,04,407	7	5			
D.—Grants-in-aid to Public Institutions	...	9,05,534	13	8			
E.—Rent of Buildings Requisitioned for Housing Municipal Employees of Essential Services etc.	...	Cr. 1,052	9	6			
					1,15,62,740	13	0
<b>Total Expenditure—A—Revenue account Rs.</b>					8,82,68,561	11	11
<b>EXPENDITURE B—CAPITAL ACCOUNT</b>							
I.—General Supervision, Collection of Revenue, etc.	...	2,20,772	7	0			
II.—Water Works, ordinary	...	36,23,452	0	1			
II.—Augmenting City Water Supply...	...	2,80,56,495	8	10			
V.—Public Health Department	...	23,39,757	15	0			
VI.—Medical Relief and Education	...	15,75,547	1	0			
VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service	...	21,99,928	12	11			
VIII.—Roads, S. W. Drains and Public Lighting	...	9,02,429	0	8			
IX.—Mechanical	...	22,832	0	0			
X.—Buildings, Land Acquisition and Management	...	15,81,357	15	3			
XI.—Fire Brigade	...	7,19,464	13	0			
XIII.—Gardens and open spaces	...	31,996	12	0			
XIV.—Markets and Slaughter Houses	...	3,84,336	0	0			
XV.—Slum Service	...	83,535	7	0			
XVI.—Completion of Sewerage works under taken in connection with M.C.D.	...	...					
XVII.—Greater Bombay	...	36,054	11	3			
Discount and other charges on the new Loans	...	5,19,402	8	0			
Plant and Machinery to be purchased out of Net Premia Fund	...	Cr. 3,73,069	7	6			
Plant and Machinery to be purchased out of Municipal Fire and Accident Ins. Fund	...	Cr. 78,664	15	11			
Plant and Machinery to be purchased out of K.E.M. Hospital Equipment Fund	...	Cr. 20,711	9	0			
Plant and Machinery to be purchased out of K. E. M. Hospital Research Fund	...	Cr. 17,125	2	0			
Plant and Machinery to be purchased out of Depreciation Fund for Replacement of Plant and Machinery	...	Cr. 91,956	4	0			
Plant and Machinery to be purchased out of Pre-cast Concrete Slabs Pavement Renewal Fund	...	Cr. 2,008	8	0			
Plant and Machinery to be purchased out of Plant and Machinery Depreciation Fund	...	Cr. 2,24,168	11	0			
Plant and Machinery to be purchased out of Renewal of Road Surfaces Fund	...	58,928	14	0			
Plant and Machinery to be purchased out of Garden Fund (a) Victoria Gardens	...	Cr. 5,938	6	6			
Plant and Machinery to be purchased out of Hospital Fund	...	Cr. 3,12,935	6	9			
Plant and Machinery to be purchased out of Slum Service Fund	...	81,057	7	0			
Assets written off...	...	18,39,364	0	0			
Repayment of Advance taken out of S. C. B. for financing expenditure on Capital Works pending raising of a new Loan & Capital Stores during 1953-54	...	19,70,567	0	0			
Repayment of Rs. 28 Lakhs Loan 1929	...	2,07,378	0	0			
					4,53,28,079	14	4
Trust Fund—							
Expenditure	...				16,657	13	0
<b>Total B—Capital Expenditure Rs.</b>					4,53,44,737	11	4

	Details.	Total.
	Rs. a. p.	Rs. a. p.
<b>EXPENDITURE—C.—SUSPENSE ACCOUNTS—</b>		
<b>I.—Sinking and Special Fund Accounts—</b>		
(1) Sinking Fund Accounts—Municipal	2,09,73,322 10 0	
(2) Special Fund Accounts	37,07,954 11 11	
(3) Improvement Schemes Fund Accounts—		
(a) Sinking Fund Account	1,94,442 13 0	
(b) Investment Reserve Fund Account	947 9 0	
<b>II.—Paper and Cash Accounts—</b>		
(1) Sinking Fund	99,81,598 7 0	
(2) Special Funds	1,10,33,922 13 10	
(3) Surplus Fund	3,47,82,041 15 5	
(4) Loan Fund	1,40,56,636 3 0	
(5) Improvement Schemes Funds—		
(a) Sinking Fund	31,56,146 13 8	
(b) Capital Fund	29,90,598 6 0	
(c) Investment Reserve Fund	2,74,142 10 0	
(6) State Bank of India and other Local Banks on account of Sundry Deposits	9,42,84,700 14 0	
<b>III.—Suspense Accounts—</b>		
Deposit Account	5,54,16,503 14 4	
Reserve Stores Accounts	57,81,926 14 8	
Capital Stores Accounts	93,93,756 2 0	
Purchase of Petrol, and Diesel Oil	6,17,122 13 0	
Purchase of Coal	...	
Advances Departmental Works	13,57,329 10 4	
Advances Municipal Workshop	3,84,427 9 2	
Municipal foundry	56,915 10 0	
Worli Crushers	2,40,140 6 9	
Sewri Crushers	2,02,898 7 0	
Mechanical Transport	2,34,374 3 6	
Asphalt Plant	8,00,065 13 6	
Pre-Cast Concrete Slabs	8,083 5 0	
Municipal Printing Press	7,15,812 3 0	
Advances Private Works	8,48,669 12 9	
Advances Special Funds	18,35,902 15 4	
Municipal Contractors	7,656 15 6	
Municipal Tenderers	10,643 10 0	
Sundry Advances	15,20,057 12 3	
Advance for demolition of unauthorised Structures and for Removal of unsafe Building in the City	3,010 0 0	
Repayment of Loans Municipal	2,58,36,402 9 0	
Do. (Impts. Schemes)	7,33,564 8 0	
Advances to Municipal Officers	42,438 7 0	
Provident Fund	94,10,773 14 5	
Welfare fund	349 0 0	
Fines Fund	20,591 2 0	
Gardens Fund	55,652 13 6	
Victoria and Albert Museum Fund	8,825 10 0	
Fidelity Guarantee Insurance Fund	9,915 3 0	
Bombay Municipal Corporation Loans Interest Warrants payable Account	52,82,112 2 2	
City of Bombay Improvement Trust Loans Interest Warrants Payable Account	17,83,569 6 4	
Dishonoured Cheques	19,55,819 10 10	
Cash Bills outstanding Account	68,541 14 5	
Cheques payable	22,93,83,594 3 2	
Wages Deposit Account	67,44,426 14 0	
Advance from S. C. B. for financing expenditure on Capital Works pending raising of a new Loan	2,62,47,674 6 8	
Interest on B.I.T. Loans payable account	11,970 0 0	
Interest accrued but not paid	3,92,912 10 8	
Proceeds of 7½ Crores Loan for B. E. S. & T. Co. Ltd.	2 8 0	
Proceeds of 2 Crores Loan for B. E. S. T. Undertaking	5,997 8 0	
Advance for manufacture of concrete Covers Rs.	12,898 13 0	
Interest on investments of the value of lost Municipal Debentures in the Post Office Savings Bank	313 10 0	
<b>Total Expenditure—Suspense Accounts</b>		<b>58,28,80,100 15 1</b>

## SUMMARY.

Receipts.		Disbursements.
Rs. a. p.		Rs. a. p.
85,12,624 7 5	Balance on 1st April 1954	
9,18,99,105 5 10	A.—Revenue Account	8,82,68,561 11 11
4,74,33,575 9 1	B.—Capital Account	4,53,44,737 11 4
57,58,60,415 6 2	C.—Suspense Account	58,28,80,100 15 1
1,50,80,305 3 6	D.—Improvement Schemes Account	1,51,15,556 1 6
73,02,73,401 8 7		Total Rs. 73,16,08,956 7 10
		* Balance on 31st March 1955 71,77,069 8 2
73,87,86,026 0 0	Total.	Total Rs. 73,87,86,026 0 0

T. V. DORAISWAMY,

Chief Accountant.

No. 15—Concluded.

	Details.		Total.	
	Rs.	a. p.	Rs.	a. p.
<b>EXPENDITURE—D.—IMPROVEMENT SCHEMES ACCOUNT</b>				
<b>General Account Expenditure—</b>				
A.—Maintenance of Properties and Streets	48,12,396	1 9		
B.—Cost of Management and Establishment	20,30,079	8 0		
C.—Proportionate charges on account of Municipal Supervision	2,58,203	0 7		
	71,00,678	10 4		
<b>Deduct—</b>				
Proportionate share of cost of Management and Establishment chargeable to	Rs.	a. p.		
(a) General Account	20,74,975	8 7		
(b) Capital Account	2,46,920	15 0		
	23,21,896	7 7	47,78,782	2 9
D.—Debt Charges			75,94,885	12 7
E.—Transfer of Revenue Surplus to Capital Account			3,61,347	5 7
			1,27,35,015	4 11
<b>Capital Account—</b>				
Improvement and Street Schemes, etc.			21,33,619	13 7
Proportionate share of cost of Management and Establishment chargeable to General account			2,46,920	15 0
			23,80,540	12 7
<b>Total—General and Capital Account Expenditure</b>			<b>1,51,15,556</b>	<b>1 6</b>
<b>Bank's reconciliation —</b>				
* Balance as per Bank's Pass Book			45,08,750	3 6
<b>Add—</b>				
Revenue sent to the Bank on 31st March 1955 but acknowledged on 1st April 1955			9,82,094	6 6
			54,90,844	10 0
<b>Less—</b>				
Uncashed Cheques			18,23,417	4 3
Balance in Bank as per Day Book (Column No. 10)			36,67,427	5 9
Balance in Office in Government Promissory Notes, etc.	6,22,350	0 0		
Balance in Office in Cash	28,87,292	2 5	35,09,642	2 5
			71,77,069	8 2

P. R. NAYAK,  
Municipal Commissioner.

## Appendix No. 16.

Comparison of Face, Purchase and Market Values as on 31st March 1955 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. Bombay Improvement Trust Debentures	46,600	Rs. a. p.	Rs. a. p.	} 99 12 0	1,37,655 8 0
	Do. do. ...	10,000	89 0 0	46,600 0 0		
	Do. do. ...	7,200	88 0 0	8,900 0 0		
	Do. do. ...	23,500	84 8 0	6,336 0 0		
	Do. do. ...	9,700	84 4 0	19,857 8 0		
	Do. do. ...	41,000	92 12 0	8,172 4 0		
	4½ per cent. Do. do. ...	400	Par.	38,027 8 0		
	3 per cent. Bombay Municipal Debentures	3,49,600	Par.	400 0 0		
	3½ per cent. Do. do. ...	7,000	Par.	3,49,600 0 0		
	3½ per cent. Do. do. ...	22,600	Par.	7,000 0 0		
	3½ per cent. Do. do. ...	53,400	Par.	22,600 0 0		
	3 per cent. Conversion Loan 1946	6,000	Par.	53,400 0 0		
	Do. Do. ...	1,02,400	101 0 0	6,000 0 0		
	Do. Do. ...	1,600	100 15 0	1,03,424 0 0		
	Total Rs. ...	6,81,000		6,71,932 4 0		6,59,342 8 0
Net Premia Fund ...	3 per cent. Government Promissory Notes	900	48 0 0	432 0 0	80 4 0	722 4 0
	3 per cent. Bombay Municipal Debentures	10,40,900	Par.	10,40,900 0 0	Par.	10,40,900 0 0
	3 per cent. Conversion Loan 1946	700	Par.	700 0 0	Par.	22,600 0 0
	Do. do. ...	1,52,800	101 0 0	1,54,328 0 0	80 10 0	53,400 0 0
	Total Rs. ...	11,95,300		11,96,360 0 0		11,65,381 10 0
Provident Fund ...	4 per cent. Government Loan 1960-70	1,23,300	94 4 0	1,16,210 4 0	} 101 14 0	37,54,093 12 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. ...	12,01,200	88 0 0	10,57,056 0 0		
	Do. do. ...	3,36,000	87 10 0	2,94,420 0 0		
	Do. do. ...	1,31,500	Par.	1,31,500 0 0		
	3 per cent. Government Loan 1963-65	12,90,800	98 0 0	12,64,984 0 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		
	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		
	5 per cent. Bombay Improvement Trust Debentures	6,18,500	Different rates	5,65,335 0 0		
	6 per cent. Bombay Improvement Trust Debentures	1,91,000	Do.	1,92,531 4 0		
	Do. do. ...	59,300	Par.	59,300 0 0		
	3 per cent. Bombay Municipal Debentures	9,90,100	Par.	9,90,100 0 0		
	3½ per cent. Bombay Municipal Debentures	1,08,48,500	Par.	1,08,48,500 0 0		
	3½ per cent. Bombay Municipal Debentures	22,54,700	par	22,54,700 0 0		
	3½ Do. do. ...	25,12,100	Par.	25,12,100 0 0		
	3 per cent. Conversion Loan 1946	29,51,200	100 15 0	29,78,867 8 0		
	Do. do. ...	26,15,800	Par.	26,15,800 0 0		
	Do. do. ...	5,60,700	101 0 0	5,66,307 0 0		
	Do. do. ...	21,000	99 12 0	20,947 8 0		
	3½ per cent. Bombay Municipal Debentures	32,85,500	99 8 0	32,69,072 8 0		
	3½ per cent. United Provinces EE Loan	4,48,500	99 0 0	4,44,015 0 0		
	4 per cent. Bombay Municipal Debentures	1,70,55,600	Par.	1,70,55,600 0 0		
	4½ per cent. Bombay Provincial Co-op. Land Mortgage Bank Debentures	10,50,000	97 12 0	10,26,375 0 0		
	4½ Per cent. Bombay Provincial Co-Operative Land Mortgage Bank Debentures	3,00,000	100 4 0	3,00,750 0 0		
	4 per cent. Loan 1964	25,00,000	100 7 0	25,10,937 8 0		
4½ per cent. Madras Corp. Land Mortgage Bank Debentures	7,00,000	99 10 0	6,97,375 0 0			
4½ per cent. Ahmedbad Municipal Debentures...	5,25,000	100 4 0	5,26,312 8 0			
	Total Rs. ...	5,60,86,700		5,54,97,846 10 0		5,44,16,890 14 0
Fines Fund—	4 per cent. Government Loan 1960-70	20,000	88 0 0	17,600 0 0	} 101 14 0	21,393 12 0
	Do. do. ...	500	92 8 0	462 8 0		
	Do. do. ...	500	Par.	500 0 0		
	4½ per cent. Government Loan 1955-60	2,800	82 6 0	2,306 8 0		
	4 per cent. Bombay Port Trust Debentures	3,000	70 0 0	2,100 0 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		
	Do. do. ...	15,100	92 12 0	14,005 4 0		
	4½ Do. do. ...	300	Par.	300 0 0		
	3 per cent. Bombay Municipal Debentures	25,800	Par.	25,800 0 0		
	3 per cent. Government Loan 1963-65	900	98 0 0	882 0 0		
	3 per cent. Conversion Loan	93,400	101 0 0	94,334 0 0		
	Do. do. ...	59,700	Par.	59,700 0 0		
	Do. do. ...	600	100 15 0	605 10 0		
	Total Rs. ...	2,82,500		2,76,763 6 0		2,52,902 8 0
Plant and Machinery Depreciation Fund.	4 per cent. Government Loan 1960-70	32,600	92 8 0	30,155 0 0	} 101 14 0	46,556 14 0
	Do. do. ...	13,100	87 10 0	11,478 14 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		
	Do. do. ...	1,300	92 12 0	1,205 12 0		
	3 per cent. Bombay Municipal Debentures	7,31,400	Par.	7,31,400 0 0		
	3½ Do. do. ...	1,14,600	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		
	4 per cent. Bombay Municipal Debentures	72,700	Par	72,700 0 0		
		Total Rs. ...	12,24,400			
	Carried forward Rs. ...	5,94,69,900		5,88,63,423 6 0		5,76,80,090 4 0

## Appendix 16—(Contd.).

Comparison of Face, Purchase and Market Values as on 31st March 1955 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. ....	5,94,69,900		5,88,63,423 6 0		5,76,80,090 4 0
Renewal of Road Surfaces Fund.	4 per cent. Government Loan 1960-70	1,34,200	92 8 0	1,24,135 0 0	101 14 0	4,19,725 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		
	Do. do. ....	17,200	94 4 0	16,211 0 0		
	Do. do. ....	8,100	Par	8,100 0 0	99 12 0	2,70,621 12 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	80 10 0	886 14 0
	Do. do. ....	1,100	84 8 0	929 8 0		
	3 per cent. Bombay Municipal Debentures	5,15,300	Par	5,15,300 0 0	Par	5,15,300 0 0
	3½ per cent. Do. do. ....	13,400	Par	13,400 0 0	Par	13,400 0 0
	3½ Do. do. ....	59,700	Par	59,700 0 0	Par	59,700 0 0
	3 per cent. Conversion Loan 1946	700	Par	700 0 0	80 10 0	886 14 0
Do. do. ....	400	100 15 0	403 12 0			
4 per cent. Bombay Municipal Debentures	3,64,800	Par	3,64,800 0 0	Par	3,64,800 0 0	
	Total Rs. ....	16,37,630		15,56,181 4 0		16,44,433 10 0
Garden Fund (a) Victoria Gardens.	4 per cent. Government Loan 1960-70	1,300	Par	1,300 0 0	101 14 0	25,978 2 0
	Do. do. ....	1,800	87 10 0	1,577 4 0		
	Do. do. ....	2,300	92 8 0	2,127 8 0		
	Do. do. ....	900	94 4 0	848 4 0		
	Do. do. ....	19,200	88 0 0	16,896 0 0	99 12 0	15,461 4 0
	4 per cent. Bombay Improvement Trust Debentures	5,600	Par	5,600 0 0		
	Do. do. ....	5,030	84 4 0	4,212 8 0		
	Do. do. ....	4,900	92 12 0	4,544 12 0	Par	59,100 0 0
	3 per cent. Bombay Municipal Debentures	59,100	Par	59,100 0 0		
	3½ Do. do. ....	18,400	Par	18,400 0 0	Par	18,400 0 0
	3½ Do. do. ....	38,500	Par	38,500 0 0	Par	38,500 0 0
	3 per cent. Conversion Loan 1946	29,000	Par	29,000 0 0	80 10 0	38,619 6 0
	Do. do. ....	18,700	101 0 0	18,837 0 0		
Do. do. ....	200	100 15 0	201 14 0	Par	700 0 0	
4 per cent. Bombay Municipal Debentures	700	Par	700 0 0			
	Total Rs. ....	2,05,600		2,01,895 2 0		1,96,758 12 0
(b) Other Gardens	3 per cent. Bombay Municipal Debentures	66,600	Par	66,600 0 0	Par	66,600 0 0
	3 per cent. Conversion Loan 1946	6,400	Par	6,400 0 0	80 10 0	5,160 0 0
	3½ " Bombay Municipal Debentures	1,800	Par	1,800 0 0	Par	1,800 0 0
	3½ Do. do. ....	8,800	Par	8,800 0 0	Par	8,800 0 0
	4 per cent. Do. do. ....	4,100	Par	4,100 0 0	Par	4,100 0 0
	Total Rs. ....	87,700		87,700 0 0		86,460 0 0
Hospital Fund	4 per cent. Government Loan 1960-70	42,400	106 14 6	45,328 4 0	101 14 0	44,111 14 0
	Do. do. ....	900	92 8 0	832 8 0		
	3 per cent. Bombay Municipal Debentures	1,11,700	Par	1,11,700 0 0	Par	1,11,700 0 0
	3 per cent. Conversion Loan 1946	1,81,700	Par	1,81,700 0 0	80 10 0	3,42,495 0 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
	3½ per cent. Do. do. ....	2,06,100	Par	2,06,100 0 0	Par	2,06,100 0 0
	Total Rs. ....	8,09,900		8,15,191 12 0		7,28,406 14 0
Slum Service Fund.	3 per cent. Conversion Loan 1946	2,800	Par	2,800 0 0	80 10 0	2,257 8 0
	3 per cent. Bombay Municipal Debentures	88,100	Par	88,100 0 0	Par	88,100 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
	3½ per cent. Do. do. ....	400	Par	400 0 0	Par	400 0 0
	Total Rs. ....	1,00,000		1,00,000 0 0		99,457 8 0
K.E.M. Hospital and G. S. M. College Equipment Fund.	3 per cent. Bombay Municipal Debentures	90,200	Par	90,200 0 0	Par	90,200 0 0
	3 per cent. Conversion Loan 1946	19,500	101	19,695 0 0	80 10 0	15,721 14 0
	3½ per cent. Bombay Municipal Debentures	20,400	Par	20,400 0 0	Par	20,400 0 0
	3½ per cent. Do. do. ....	10,600	Par	10,600 0 0	Par	10,600 0 0
	4 per cent. Do. do. ....	1,400	Par	1,400 0 0	Par	1,400 0 0
	Total Rs. ....	1,42,100		1,42,295 0 0		1,38,321 14 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	101 14 0	16,911 4 0
	Do. do. ....	7,800	88 0 0	6,864 0 0		
	Do. do. ....	400	Par	400 0 0		
	3 per cent. Bombay Municipal Debentures	59,700	Par	59,700 0 0	Par	59,700 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		
	3 per cent. Conversion Loan 1946	57,400	Par	57,400 0 0	80 10 0	56,115 0 0
	Do. do. ....	12,200	101	12,322 0 0		
	3½ per cent. Bombay Municipal Debentures	11,100	Par	11,100 0 0	Par	11,100 0 0
	3½ per cent. Do. do. ....	16,600	Par	16,600 0 0	Par	16,600 0 0
	4 per cent. Do. do. ....	17,500	Par	17,500 0 0	Par	17,500 0 0
	Total Rs. ....	1,94,000		1,92,493 0 0		1,80,825 4 0
Precast Concrete Slab Pavements Renewal Fund.	3 per cent. Bombay Municipal Debentures	1,36,300	Par	1,36,300 0 0	Par	1,36,300 0 0
	3½ Do. do. ....	26,100	Par	26,100 0 0	Par	26,100 0 0
	3½ per cent. Do. do. ....	26,500	Par	26,500 0 0	Par	26,500 0 0
		1,88,900		1,88,900 0 0		1,88,900 0 0
	Carried forward Rs. ....	6,28,35,700		6,21,48,079 8 0		6,09,43,654 2 0



## Appendix No. 16—(Concluded).

Comparison of Face, Purchase and Market Values as on 31st March 1955 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. & p.	Rs. a. p.	Rs. a. p.	Rs. & p.
	Brought over ...	6,28,35,700		6,21,48,079 8 0		6,09,43,654 2 0
<b>Fidelity Guarantee Insurance Fund.</b>	3½ per cent. Bombay Municipal Debentures ...	6,700	Par	6,700 0 0	Par	6,700 0 0
	3 per cent. Do. do. ...	79,600	Par	79,600 0 0	Par	79,600 0 0
	3 per cent. Conversion Loan 1946 ...	9,600	Par	9,600 0 0	80 10 0	7,740 0 0
	3½ per cent. Bombay Municipal Debentures ...	7,900	Par	7,900 0 0	Par	7,900 0 0
	4 per cent. Do. do. ...	5,600	Par	5,600 0 0	Par	5,600 0 0
	Total ...	1,09,400		1,09,400 0 0		1,07,540 0 0
<b>Victoria &amp; Albert Museum Fund.</b>	3 per cent. Bombay Municipal Debentures ...	31,400	Par	31,400 0 0	Par	31,400 0 0
	3½ per cent. Bombay Municipal Debentures ...	1,200	Par	1,200 0 0	Par	1,200 0 0
	3½ per cent. Do. do. ...	13,100	Par	13,100 0 0	Par	13,100 0 0
	4 per cent. Do. do. ...	2,400	Par	2,400 0 0	Par	2,400 0 0
	3 per cent. Conversion Loan 1946 ...	800	Par	800 0 0	80 10 0	645 0 0
	Total ...	48,900		48,900 0 0		48,745 0 0
<b>Welfare Fund.</b>	3 per cent. Bombay Municipal Debentures ...	1,58,600	Par	1,58,600 0 0	Par	1,58,600 0 0
	3½ per cent. Do. do. ...	1,26,500	Par	1,26,500 0 0	Par	1,26,500 0 0
	4 per cent. Do. do. ...	34,500	Par	34,500 0 0	Par	34,500 0 0
	3½ per cent. Do. do. ...	900	Par	900 0 0	Par	900 0 0
	Total ...	3,20,500		3,20,500 0 0		3,20,500 0 0
<b>Depreciation Fund for replacement of plant and Machinery.</b>	3½ per cent. Bombay Municipal Debentures ...	97,500	Par	97,500 0 0	Par	97,500 0 0
	3 per cent. Do. do. ...	1,84,600	Par	1,84,600 0 0	Par	1,84,600 0 0
(Budget 'B')	Total ...	2,82,100		2,82,100 0 0		2,82,100 0 0
<b>Investment Reserve Fund.</b>	3 per cent. Loan 1963-65 ...	4,02,300	98 0 0	3,94,254 0 0	93 10 0	3,76,653 6 0
	3 per cent. Conversion Loan 1946 ...	4,52,300	101 0 0	4,56,823 0 0	80 10 0	8,59,310 10 0
	Do. do. ...	5,63,200	Par	5,63,200 0 0		
	Do. do. ...	37,100	100 15 0	37,447 13 0		
	Do. do. ...	20,700	99 12 0	20,648 4 0		
	3 per cent. Bombay Municipal Debentures ...	21,85,700	Par	21,85,700 0 0	Par	21,85,700 0 0
	3½ Do. do. ...	57,300	Par	57,300 0 0	Par	57,300 0 0
	3½ Do. do. ...	2,00,000	85 14 0	1,71,750 0 0	Per	2,00,000 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	101 14 0	7,51,837 8 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		
	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		
	Do. do. ...	14,500	Par	14,500 0 0		
	3½ Per cent. Bombay Municipal Debentures ...	31,300	Par	31,300 0 0	Par	31,300 0 0
	4 per cent. Do. do. ...	2,42,400	Par	2,42,400 0 0	Par	2,42,400 0 0
	Total Rs. ...	59,70,100		58,39,894 4 0		57,41,702 0 0
	GRAND TOTAL ...	6,95,66,700		6,87,48,873 12 0		6,74,44,241 2 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 1955 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.	a. p.		Rs.	a. p.	
4 per cent. Municipal Debentures ...	13,94,300	Par	13,94,300	0 0	} Par	13,94,300	0 0	
4 Do. do. ...	15,700	84½	13,227	4 0		15,700	0 0	
5 Do. do. ...	35,00,000	Par	35,00,000	0 0		35,00,000	0 0	
3 Do. do. ...	1,23,12,500	Par	1,23,12,500	0 0		1,23,12,500	0 0	
3½ Do. do. ...	25,86,800	Par	25,86,800	0 0		25,86,800	0 0	
3½ Do. do. ...	1,24,900	94	1,17,406	0 0		1,24,900	0 0	
3½ Do. do. ...	51,98,100	Par	51,98,100	0 0		51,98,100	0 0	
3½ Do. do. ...	25,13,600	Par	25,13,600	0 0		25,13,600	0 0	
4 per cent. Bombay Improvement Trust Debentures ...	15,00,700	84½	12,64,339	12 0		} Par	25,31,600	0 0
4 Do. do. ...	1,32,200	84½	1,11,709	0 0				
4 Do. do. ...	5,06,700	92½	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			
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	84½	1,03,964	8 0				
4 per cent. Loan 1960-70 ...	23,300	Par	23,300	0 0	} 101 14 0	2,02,120	0 0	
4 Do. do. ...	1,75,100	92-8	1,61,967	8 0				
3 per cent. Loan 1963-65 ...	1,93,800	98	1,89,924	0 0	93 10 0	1,81,445	4 0	
3 per cent. Conversion Loan 1946 ...	56,88,500	Par	56,88,500	0 0	} 80 10 0	76,17,611	4 0	
	33,000	15 100— 16	33,309	6 0				
	37,26,700	101	37,63,967	0 0				
2½ Per cent Loan 1962 ...	7,61,000	Par	7,61,000	0 0	92 9 0	7,04,400	10 0	
4 per cent. Bombay Improvement Trust Sterling Debentures. ...	5,25,000	£ 80 at 1s. 6d.	2,66,666	10 8	Par at 1s. 5½ d.	3,33,913	0 8	
3½ per cent National Plan Bond ...	10,00,000	98½	9,85,000	0 0	98 8 0	9,85,000	0 0	
Total Rs. ...	4,22,97,000 £ 25,000		4,21,87,872	4 8		4,07,20,090	2 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 1955.*

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 3 per cent. Conversion Loan of 1946	1,000 200	Do.	1,200 0
Mr. P. J. Mistri	... Donation for the maintenance of N. M. Petit Statue at Gowalia Tank Road	{ Do. do. Do. do.	2,000 1,000	Do. 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 - 4 per cent. Loan 1960-70	1,200 900	Par 88 0	1,200 0 792 0
Mr. Surajmal Hanmantrai	... Donation for the maintenance of a public fountain at Princess Street.	{ 4 per cent. Loan 1960-70 3 per cent. Conversion Loan of 1946	2,600 100	92 8 Par	2,405 0 100 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".				528 0
Carried forward Re.			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.
			Rs.	Rs. a.	Rs.
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	37,300		34,064 8
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	1,200	88 0	1,056 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. Raradas Raghawji Govindji	Balance out of the donation received for the construction of a fountain and cattle trough at Cave 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. Gaikwad	Donation for the maintenance of a drinking fountain near Round Temple Sandhurst Road	Do. Do.	700	Do.	700 0
Ramji Keshawji Fire Services Committee	Donation for fencing Fountain at King's Circle	Do. Do.	500	97 3	485 15
Parsi Federal Council	Donation for maintenance of monument erected to commemorate the services of members who lost their lives in explosion of 1944	Do. Do.	1,000	93 4	932 8
	Donation for maintenance of statue of Shri H. C. Adenwala at Vir Nariman Road.	3½ per cent. Municipal Debentures	1,000	Par	1,000 0
		Total	53,000		49,342 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 Baram	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
Bai Lingoobai, widow of Rajanna Jalooji	Do. do. do. do.	4 per cent. Bombay Improvement Trust Loan due 1972	14,500	Do.	
Colaba Free Dispensary	Donation for the maintenance of Assets of the dispensary taken over by the Municipality on its taking over the dispensary.	3 per cent. Conversion Loan 1946	10,700	Do.	10,700 0
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.	4 per cent. Government Loan 1960-70	1,200	87 10	1,051 8
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	1,000	Par	21,000 0
	Amount representing balance out of the amount set apart for the purchase of Bai Gowrabai Dispensary Building at Kamathipura.	4 per cent. Municipal Debentures	20,000	Do.	
Messrs. Little & Co.	Donation for meeting charges for repairs, etc., to Bai Gowrabai Dispensary at Kamathipura.	3 per cent. Conversion Loan 1946	5,000	Do.	10,000 0
Do.	Donation for establishing and maintaining Maternity Homes in Bombay ...	3 per cent. Conversion Loan 1946	5,000	Do.	
	Unspent balance out of the donation from the estate of the late Mr. Mahomed Haji Saboo Sidick	4 per cent. Loan 1960-70	2,900	88 0	2,552 0
		3 per cent. Municipal Debentures	5,000	Par	5,000 0
		3 per cent. Municipal Debentures	52,600	Par	52,600 0
		Total	1,22,900		1,22,403 8
*Cash held with the Imperial Bank of India					1,74,246 7
					* 92 0
		Grand Total Rs.	1,78,400		1,74,338 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 1955.*

Name of donor.	Object for which the endowment is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
	<i>Scholarships and Prizes.</i>		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
Mr. Tulsidas H. Parekh	"Bai Bachubai Thakurdas Parekh Entrance Scholarship" at G. S. M. College.	3 per cent. Conversion Loan 1946	100	Par	100 0
Mr. Lalji Naranji	"Lalji Naranji Scholarship" at G. S. M. College	4 per cent. Government Loan 1960-70	3,700	88 0	3,256 0
Mr. Chaturbhuj Gordhandas Sunderdas	"Chaturbhuj Gordhandas Sunderdas Scholarship" and "Bai Gangabai Gordhandas Sunderdas Scholarship" at G. S. M. College.	Do. do.	4,500	88 0	3,960 0
		Do. do.	9,100	88 0	8,008 0
Dr. (Mrs.) Dossibai Jehangir Rattanshaw Dadabhoi, M.D., M.R.C.P. (Lond.)	"Awabai Rattanshaw Dadabhoi 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 Dadabhoi	"Rattanshaw Dadabhoi 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
		3 per cent. Conversion Loan	2,100	93 7	1,962 3
		3 per cent. Municipal Debentures	100	Par	100 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.	4 per cent. Government Loan 1960-70	100	Par	100 0
		Do. do.	200	97 5	194 10
		3 per cent. Government Loan 1963-65	300	98 6	295 2
		Do. do.	200	98 0	196 0
H. H. the Maharana Shri Sir Doulatasingji, K.C.I.E., Thakore Saheb o Limbdi.	Donation or awarding a gold medal and a miniature replica o 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
Mr. Dhungavri Rangildas Desai	Donation for endowing two prizes of Rs. 20 each to the Nurses of the K. E. M. Hospital.	Do. do.	3,000	Par	3,000 0
		4 per cent. Municipal Debentures	2,000	Par	2,000 0
		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	Do. do.	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. do.	1,900	Par	1,900 0
		Do. do.	5,200	Par	5,200 0
		Do. do.	100	Par	100 0
Do. Do.	Dr. P. T. Patel Prize at G. S. M. College	Do. 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 or attending Medical & Scientific conferences etc.	Do. do.	9,400	Par	9,400 0
		Do. do.	1,700	Par	1,700 0
		Do. do.	2,100	Par	2,100 0
Dr. R. N. Cooper.	Jangoo Shavaksha Marzban Prize	Do. do.	9,000	Par	9,000 0
Dr. R. N. Cooper.	Bai Banoobai Nusserwanji Cooper Prize	Do. do.	1,900	Par	1,900 0
Lakdawala Sisters	Mrs. Soonamai Bapuji Cama Prizes	Do. do.	500	Par	500 0
Dr. Padshah Memorial Committee	Dr. Padshah Research Scholarship	Do. do.	34,000	Par	34,000 0
Mr. V. H. Hazrat	Miss. Manorama Hazrat Memorial Prize	Do. do.	1,900	Par	1,900 0
Dr. R. V. Phansalkar	Vasant Phansalkar Memorial Prize	Do. do.	1,600	Par	1,600 0
Dr. K. W. Dani	K. W. Dani Scholarship at G. S. M. College.	Do. 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.
			Rs.	Rs. a.	Rs. a.
		Brought forward Rs. ...	1,50,700		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. Ajinkya.	"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. Conversion Loan 1946	300	99-10	298 14
M. M. Parab	M. M. Parab Endowment Prize	4% Municipal Debentures	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 Pathology	3% development Loan 1970-75	500	Do.	500 0
Dr. Variava	Dr. Variava 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
Dr. G. P. Nair	Dr. G. P. Nair Scholarship for Embroyology	Do. do.	15,100	80-4	12,117 12
		Do. do.	600	81-2	486 12
		Do. do.	3,000	80-4	2,407 8
		Do. do.	10,000	Par	10,000 0
Smt. Shushila M. Desai	Donation for purchasing Journals on Aneathesia and of a library on Aneathesia.				
Bombay Municipal Official Association	Donation from Municipal Official Association for awarding scholarships	4 per cent Municipal Debentures	10,000	99-4	9,925 0
Dr. P. M. Mehta	Mrs. Chandangavri Punamchand Mohanlal Mehta Prize	3% Municipal Debentures	1,000	Par	1,000 0
Sheth G. S. M. College out of Silver Jubilee fund	Kesarbai Kerkar Prize	4% Loan 1960-70. Scholarship, Total Rs.	1,500	94-4	1,413 12
			4,13,100		4,01,844-13-6
		3 per cent. Conversion Loan 1946.			
		Do. do.	10,000	Par	10,000 0
		Do. do.	18,600	Par	18,600 0
		4 per cent. Government Loan 1960-70	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
		3 per cent. Loan 1963-65	2,000	76 5	1,526 4
		4 per cent. Bombay Improvement Trust Debentures	4,000	98 0	3,920 0
			100	Par	100 0
		Clothing, Total Rs.	49,500		47,392 4
		3 per cent. Conversion Loan 1946.			
President, Dharmajirao Rokade Free Reading Room & Library	Donation for the Promotion of Education among the masses		900	Par	900 0
		Education Total Rs.	900		900 0
		4 per cent. Government Loan 1960-70			
Mr. Mansukhlal Chaganlal	Donation towards the Poor Box Charity Fund at K. E. M. Hospital	4 Do. do. 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		100	88 0	88 0
Mr. Malloo Baloo	Donation in memory of Bai Rajiabai Malloo Yadao 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.	4,70,300		4,56,283-13-6

**Appendix No. 16-C—(Concluded.)**

Name of donor.	Object for which the endowment is given.	Particulars of Securities.	Face value. Rs.	Rate per cent. Rs. a.	Book value. Rs. a.
		Brought over Rs.	4,70,300		4,56,283-13-6
	<i>Convalescent Home.</i>	3 per cent. Conversion Loan 1946	6,400	92-13	5,940 0
		3 per cent. Conversion Loan 1946	1,74,500	Par	1,74,500 0
		4 Do. Government Loan 1960-70	20,400	Par	20,400 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	7,000	Do.	7,000 0
		3 Do. do. do.	39,300	Do.	39,300 0
		3½ Do. do. do.	2,200	Par	2,200 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 Debentures	72,000	Par	72,000 0
		3½% Bombay State Development Loan 1962:—	40,000	Do.	40,000 0
		4% Bombay Municipal Debentures	79,600	Par	79,600 0
		3½% Bombay Municipal Debenture	600	Par	600 0
		Convalescent Home, Total Rs.	4,92,700		4,91,406 9
		3 per cent. Conversion Loan, 1946	38,600	Par	38,600 0
		Total Amount in Securities Rs.	10,01,600		9,86,290 6-6
		Cash held with the Imperial Bank of India Rs.	...		*123 11-7
		Grand Total Rs.	...		9,86,414 2-1
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				
Shri Shantilal Mathuradas Parikh	Endowment for the maintenance of a Blood Bank (out of Rs.1 lac donated for construction and maintenance of Blood Bank.				

T. V. DORAISWAMY,  
Chief Accountant.

\* Cash Balance is in respect of Convalescent Home.

P. R. NAYAK,  
Municipal Commissioner.

Appendix No. 17

Statement showing the Quantity and Value of Several Articles upon which Town duty was Levied during 1954-55 under Sec. 192 (1) of the Bombay Municipal Corporation Act of 1888.

Main table with columns for Months and Year, various commodities (e.g., Flour, Sugar, Ghee, Timber, Firewood, Cement, Iron and Steel), and their respective quantities and values. Includes sub-sections I, II, III, and IV.

Summary table for Commission, etc. charges on General Town Duty collected by month (April to March) for R.P.T., Central Rlys., Western Rlys., and Total.

Summary table for Total collection of Town Duty for 1954-55, including details on outstanding balances, total amount of Commission, etc. charges, and net T.D. Receipts.

T. V. DORAISWAMY, Chief Accountant.

S. P. R. NAYAK, Municipal Commissioner.



## Income of the Bombay Municipal Corporation from the year

TAXATION PROPER										
Year.	Valuation.	House Rate.	General Tax.	Wheel Tax and Tolls.	Licences for Trades, Land Conveyances, Music, etc.	Town Duties.	Cotton Duty.	Liquor Licences.	Tobacco Licences.	Fire Rate.
	Ra. Gross Valuation.	Consolidated Rate.	Ra. Consolidated Rate.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	
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	@ 1%
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	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.	1,36,06,715	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				Do.
1948-49	19,38,46,730	@ 14%	2,37,30,441	25,30,685	8,67,342	62,21,527				Do.
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.
1953-54	23,43,85,349	@ 17%	3,45,17,803	41,37,987	10,90,664	72,96,373				Do.
1954-55	24,98,47,735	@ 17%	3,47,17,755	40,89,102	10,81,128	74,56,026				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.	Contribution to Budget D
	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.
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	35,06,561	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	1,24,94,111	...
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	18,43,104	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	73,42,667	1,37,804	24,36,332	1,13,69,469	71,09,191	1,57,26,528	10,00,00
1952-53	14,80,681	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	12,96,074
1953-54	15,40,664	12,95,436	9,58,763	89,88,668	1,18,91,705	1,53,685	24,86,785	1,03,01,869	74,98,754	2,09,54,663	13,14,471
1954-55	15,34,067	13,25,447	8,67,343	92,46,554	1,18,50,858	1,61,900	27,48,996	1,09,57,542*	80,30,490	2,14,72,356	13,71,095

\* This comprises of contribution to wards Education Fund Rs. 99,05,145 and Expenditure on Secondary And higher Education Rs. 10,52,407.

T. V. DORAISWAMY,  
Chief Accountant.

No. 18.

1932-33 to the close of the Financial year 1954-55.

Fire Tax.	SERVICES RENDERED.				MISCELLANEOUS.	Transfer from B.E.S.T. Fund.	Transfer from Post war reconstruction Fund	Total Income	Year.	Population by Census.	Incidence of Taxation per head of population.	Five years average annual income.
	Total Taxation Proper.	Halal-khore Tax.	Water Tax.	Total services rendered.	Returns from Property and Miscellaneous							
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	3,15,57,228
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	
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	
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	
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	55,73,898	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	
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	
14,86,108	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	
15,45,199	4,85,88,026	62,75,274	1,80,65,142	2,43,40,416	1,17,75,509	31,10,914	...	8,78,14,865	1953-54		31 8 10	
15,43,237	4,88,87,248	64,56,217	1,90,97,892	2,55,54,109	1,40,17,924	34,39,824	...	9,18,99,105	1954-55		32 2 11	

P. R. NAYAK,  
Municipal Commissioner.

No. 19.

from the year 1932-33 to the close of the financial year 1954-55.

Contribution to Improvement Schemes.	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	3,19,13,361
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	
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	
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	
24,69,485	1,67,090	11,55,548	9,72,830	62,514			5,53,473	3,64,65,448	1942-43	
26,26,997	1,95,468	3,81,622	24,45,180	99,097			6,66,424	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	
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	
79,96,319	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	
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	24,18,493	7,92,79,925	1951-52	
35,83,626	5,37,053	...	1,16,76,644	3,38,795	...	2,97,973	28,00,525	8,22,85,661	1952-53	
36,99,386	5,90,432	...	1,15,47,541	7,09,299	...	2,520	20,72,202	8,60,06,843	1953-54	
39,62,054	5,56,801	...	1,15,96,868	7,33,453	...	...	18,52,738	8,82,68,562	1954-55	

a) Include Rs. 10,94,913 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 1954-55. e

Year.	Income.	Expenditure.	DIFFERENCE	
			Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
1932-1933	3,00,02,381	3,21,69,117	...	21,66,735
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	...
1953-1954	8,78,14,865	(j) 8,60,06,843	18,08,023	...
1954-1955	9,18,99,105	8,82,68,562	36,30,543	...

† 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.

(j) " " " 2,520

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T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**Appendix No. 21**  
**IMPROVEMENT SCHEMES**  
*General Financial Statistics*

Particulars.	1950-51.	1951-52.	1952-53.	1953-54.	1954-55.
<b>GENERAL ACCOUNT.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
<i>Receipts.</i>					
1. Land Revenue ...	59,44,342	60,75,122	63,57,952	68,13,236	71,82,834
2. Municipal contribution ...	34,63,721	36,28,232	35,83,626	36,99,387	39,62,054
3. Tobacco Duty ...	10,00,000	10,00,000	7,41,617	10,00,000	10,00,000
4. Miscellaneous ...	6,26,451	6,46,306	6,06,009	5,91,940	5,90,127
	1,10,34,514	1,13,49,660	1,12,89,204	1,21,04,563	1,27,35,015
<i>Expenditure.</i>					
5. Maintenance of Properties and Streets ...	37,08,918	33,21,217	43,30,851	45,47,960	48,12,396
5A. Proportionate charges on Account of cost of management and Establishment and of Municipal Supervision to be adjusted hereafter ...	...	1,23,318	82,716	33,614	...
6. Debt Charges ...	77,37,986	76,46,742	75,88,779	76,15,355	75,94,886
7. Repayment of excess amount received on account of Contribution from Municipal Corporation ...	...	...	...	...	...
	1,14,46,904	1,10,91,277	1,20,02,346	1,21,96,929	1,24,07,282
<i>Less—</i>					
Proportionate charges on Account of management and Establishment and Municipal Supervision for the previous year adjusted during this year ...			1,23,318	82,716	33,614
			1,18,79,028	1,21,14,213	1,23,73,668
8. Surplus (+) or Deficits (—) ...	—4,12,390	+2,58,383	—5,89,824	—9,650	+3,61,347
<i>Loans.</i>					
9. Debt outstanding ...	15,47,09,175	15,40,45,705	15,33,59,648	15,26,50,235	15,19,16,670
10. Redemption and Sinking Funds in hand or invested ...	4,40,09,506	4,65,64,237	4,92,30,611	5,20,14,064	5,49,32,818
11. Net Loan Debt ...	11,06,99,669	10,74,81,468	10,41,29,037	10,06,36,171	9,69,83,852

T. V. DORAISWAMY,  
*Chief Accountant.*

P. R. NAYAK,  
*Municipal Commissioner.*

**Appendix No. 22**  
**IMPROVEMENT SCHEMES**  
*General Account for the year ending 31st March 1955*

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue expenditure as per Appendix No. 24 ...	1,23,73,668	By Revenue Receipts as per Appendix No. 23 ...	1,27,35,015
Balance being surplus (for the year Transferred to Capital Account Balance Sheet) ...	3,61,347		
<b>Total ...</b>	<b>1,27,35,015</b>	<b>Total ...</b>	<b>1,27,35,015</b>

**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 1954-55 from all sources as contrasted with the Original Budget Estimate.*

Particulars.	Budget Estimate for 1954-55.	Revised Estimate for 1954-55.	Actuals for 1954-55.	Actuals for 1953-54.	Compared with the Original Estimate	
					More.	Less
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>I.—RENTS AND OTHER PROCEEDS OF PROPERTIES—</b>						
(1) Lands comprised in Schedule W ...	5,66,782	5,68,660	6,18,293	5,71,847	51,511	...
(2) Do. do. X ...	1,33,503	1,23,170	1,22,626	1,32,485	...	10,877
(3) Do. do. Y ...	1,05,508	1,07,091	1,07,906	1,01,327	2,398	...
(4) Do. do. Z ...	204	204	204	204	...	...
(5) Other Lands and Buildings ...	60,70,346	60,70,112	63,33,805	60,07,373	2,63,459	...
	68,76,343	68,69,237	71,82,834	68,13,236	3,17,368	10,877
<b>II.—Contribution from the Municipal Corporation under Section 125(2)(d) of the Municipal Act ...</b>	41,05,766	39,82,054	39,62,054	36,99,387	...	1,43,712
<b>III.—Receipts on account of Tobacco Duty ...</b>	9,54,471	10,00,000	10,00,000	10,00,000	45,529	...
<b>IV.—Interest and Profit on Investments ...</b>	5,50,000	4,38,760	5,06,824	5,25,530	...	43,176
<b>V.—Miscellaneous Receipts ...</b>	28,000	30,000	83,303	66,410	55,303	...
<b>Total Income ...</b>	<b>1,25,14,580</b>	<b>1,23,00,051</b>	<b>1,27,35,015</b>	<b>1,21,04,563</b>	<b>4,18,200</b>	<b>1,97,765</b>

**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 1954-55.*

Particulars.	Final grants sanctioned for expenditure during 1954-55.	Actuals for 1954-55.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1953-54.
			Amount required to be renewed in 1955-56.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>A.—Maintenance of Properties and Streets.</b>					
(a) Maintenance of Properties—					
I—Lands comprised in Schedule W	2,12,398	2,10,694	660	1,044	2,15,999
II—Do. do. X	51,835	42,157	860	88,18	48,100
III—Do. do. Y	37,343	34,938	...	2,405	37,365
IV—Do. do. Z	71	66	...	5	76
V—Other Lands and Buildings—					
(1) Schemes	23,82,884	20,72,538	1,57,360	1,52,986	20,06,800
(2) Chawls Permanent	28,02,731	17,13,616	5,00,459	5,88,656	14,25,943
(3) S. P. Sheds	5,63,145	4,48,074	53,595	61,476	4,66,726
VI—Preliminary expenses in connection with the preparation of plans & Estimates for building works	1,000	...	40	960	...
VII—Preliminary expenses (trial pits) in connection with the preparation of plans and estimates for construction works other than buildings, sewers, and S. W. Drains, etc.	2,000	106	110	1,784	...
(b) Maintenance of Streets	4,88,278	2,90,207	1,10,230	87,841	3,46,242
(c) Preliminary expenses in connection with the Improvement of Slum areas	2,000	...	...	2,000	709
<b>Total A.</b>	<b>65,43,685</b>	<b>††48,12,396</b>	<b>*+ 90,458</b>	<b>-90,458</b>	<b>††45,47,960</b>
Proportionate charges on account of cost of management and Establishment to be adjusted hereafter	...	...	...	...	+33,614
<b>B.—Cost of Management and Establishment.</b>					
(a) Corporation and Standing Committee	23,685	21,835	1,400	450	24,075
(b) Deputy Municipal Commissioner's Office Establishment	42,345	40,634	337	1,374	38,973
(c) Audit and Accounts Establishment	53,964	52,320	...	1,644	52,477
(d) Estates and Land Management Department	6,29,645	4,86,308	52,159	91,178	5,18,705
(e) City Engineer's Department	3,32,739	2,83,508	1,677	47,554	2,59,631
(f) General Stores	3,024	2,870	154	...	2,799
(g) Incidental Expenses	3,27,463	2,86,163	3,731	37,569	2,85,081
(h) Dearness Allowance (Grain Compensation)	9,26,135	8,56,442	1,000	68,693	8,92,173
<b>Total B.</b>	<b>23,39,000</b>	<b>20,30,080</b>	<b>60,458</b>	<b>2,48,462</b>	<b>20,77,914</b>
<b>C.—Proportionate charge on account of Municipal Supervision</b>	<b>3,45,908</b>	<b>2,58,203</b>	<b>30,000</b>	<b>57,705</b>	<b>2,75,336</b>
<b>Total B and C</b>	<b>26,84,908</b>	<b>22,88,283</b>	<b>90,458</b>	<b>3,06,167</b>	<b>23,53,250</b>
<b>Deduct—</b>					
Charged to Capital Account	5,36,541	2,46,922	...	...	2,98,055
Charged to General Account for the current year	21,48,367	21,41,361	...	...	21,04,297
Amount to be adjusted hereafter	...	...	...	...	33,614
<b>Deduct—</b>					
Charges for the previous year adjusted during this year.	...	22,88,283	...	...	24,35,966
D.—Debt Charges.		-33,614	...	+33,614	82,716
I.—Interest on Loans	65,11,419	62,90,826	1,74,668	45,925	63,35,447
II.—Appropriation for reduction or avoidance of Debt	13,04,060	13,04,060	...	...	12,79,908
<b>Total D.</b>	<b>78,15,479</b>	<b>75,94,886</b>	<b>1,74,668</b>	<b>45,925</b>	<b>76,15,355</b>
<b>Grand Total</b>	<b>1,43,59,164</b>	<b>1,23,73,668</b>	<b>10,88,440</b>	<b>8,97,056</b>	<b>1,21,14,213</b>

\* Rs. 90,458 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. 20,35,465 and 33,614 being the share of cost of Management and Establishment chargeable to General Account for the current and previous year respectively and excludes Rs. 5,896 provisionally debited to sundry advances. (a) Misc advances.

**T. V. DORAISWAMY,**  
Chief Accountant.

**P. R. NAYAK,**  
Municipal Commissioner.

**Appendix No. 25**  
**IMPROVEMENT SCHEMES**  
*Balance Sheet—(Capital Account) as on 31st March 1955*

	Rs.		Rs.
<b>LIABILITIES</b>		<b>ASSETS</b>	
<b>LOANS OUTSTANDING—</b>		<b>BLOCK ACCOUNT—</b>	
(Vide details as shown in Appendix No. 29) ...	15,19,16,670-0-0	Property and Assets at original cost as per Appendix No. 26 ...	20,89,58,485-15-2
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
<b>SURPLUS—</b>		<b>INVESTMENT RESERVE FUND—</b>	
Extraordinary receipts—		In Securities:—	
Rs.		Face Value Rate % Actual cost.	
Investment Reserve Fund 58,40,064-5-9		3 per cent. Bombay Municipal Debentures ... 21,85,700 Par 21,85,700-0-0	
Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan 25,07,830-0-0		3½ Do. Do. ... 57,300 .. 57,300-0-0	
Special grants from the Government of India 54,00,000-0-0		3½ per cent. Bombay Municipal Debentures 2,00,000 85-14-0 1,71,750-0-0	
Premia on loan raised in 1935-36 30,000-0-0		3 per cent. Conversion Loan 1946 5,63,200 Par 5,63,200-0-0	
Grant-in-Aid from Government of Bombay for part expenditure of Acquisition of Land 5,00,000-0-0		Do. Do. 4,52,300 101-0 4,56,823-0-0	
Sale proceeds of Lands and Buildings—		Do. Do. 37,100 100-15 37,447-13-6	
Rs.		Do. Do. 20,700 99-12 20,648-4-0	
Sale proceeds up to 31st March 1954 6,67,11,140-1-4		3 per cent. Loan 1963-65 ... 4,02,300 98-0 3,94,254-0-0	
Sale proceeds during 1954-55 14,83,942-9-0		4 per cent. Bombay Improvement Trust Debentures ... 10,39,800 92-12 9,64,414-8-0	
6,81,95,082-10-4		4% Loan 1960-70 ... 3,87,600 103-0 3,99,228-0-0	
Sinking Fund on Loans 5,49,32,817-11-0		Do. Do. ... 2,12,400 88-7 1,87,841-4-0	
Loans Redemption Fund 1,19,27,319-1-0		Do. Do. ... 26,400 87-10 23,133-0-0	
6,68,60,136-12-0		Do. Do. ... 78,000 92-8 72,150-0-0	
14,93,33,113-12-1		Do. Do. ... 8,400 88-0 7,392-0-0	
<b>Deduct—</b>		Do. Do. ... 10,700 99-12 10,412-7-0	
Revenue Deficits—		Do. Do. ... 14,500 Par 14,500-0-0	
Deficits upto 31st March 1954 2,09,71,374-12-9		3½ per cent. Bombay Municipal Debentures ... 31,300 Par 31,300-0-0	
Surplus during 1954-55 3,61,347-5-7		4 per cent. Bombay Municipal Debentures 2,42,400 Par 2,42,400-0-0	
2,06,10,027-7-2		59,70,100 58,39,894-4-0	
12,87,23,086-4-11		170-1-9	58,40,064-5-9
Total Rs. ... 28,53,98,246-4-11		<b>IN CASH</b>	
		<b>SINKING FUND—</b>	
		As per Appendix No. 28	
		In Securities and Cash ...	*5,49,32,817-11-0
		<b>CAPITAL FUNDS—</b>	
		In Securities:—	
		Face Value Rate % Actual cost.	
		4½ per cent. Bombay Improvement Trust Debentures ... 18,48,000 Rs. Par 18,48,000-0-0	
		3 per cent. Bombay Municipal Debentures ... 6,53,600 .. 6,53,600-0-0	
		6 per cent. Bombay Improvement Trust Debentures ... 39,12,000 , 39,12,000-0-0	
		3 per cent. Conversion Loan 1946 1,900 .. 1,900-0-0	
		Do. Do. 3,600 100-15 3,633-12-0	
		Do. Do. 1,800 101-0 1,818-0-0	
		Do. Do. 1,800 99-12 1,795-8-0	
		2½ Per cent. Loan 1962 12,39,000 Par 12,39,000-00	
		76,61,700 76,61,747-4-0	
		In Cash fixed and call deposits 32,46,641-1-0	†1,09,08,388-5-0
Total Rs. ... 28,53,98,246-4-11		Total Rs. ... 28,53,98,246-4-11	

\* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1955, please see Appendix No. 30.

† Against this, there is a liability to the extent of Rs. 10,58,440 on account of outstanding charges for 1954-55 and previous years payable in the year 1955-56.

**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 1955.*

Particulars.	Total Capital Expenditure upto 31st March 1954.	Expenditure during 1954-55.	Total Capital Expenditure upto 31st March 1955.	Particulars.	Total Capital Expenditure upto 31st March 1954.	Expenditure during 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
<b>CAPITAL ACCOUNT.</b>				<b>Brought over</b> ...	19,41,18,625	23,80,418	19,64,99,043
<b>Improvement and Street Schemes—</b>				<b>Police Accommodation Schemes.</b>			
Schedule W Lands ...	13,45,571	...	13,45,571	Scheme No.			
Schedule X Lands ...	16,26,471	...	16,26,471	14 First Nagpada ...	84,450	...	84,450
Schedule Z Lands ...	8	...	8	16 Wodehouse Road ...	3,22,667	...	3,22,667
<b>Scheme No.</b>				17 Duncan Road ...	58,981	...	58,981
1 First Nagpada ...	29,16,099	...	29,16,099	18 Shepherd Road ...	36,223	...	36,223
2 Princess Street ...	85,08,865	...	85,08,865	19 Agripada ...	1,79,120	...	1,79,120
3 Sandhurst Road ...	1,13,79,105	33,089	1,14,12,194	23 Connaught Road ...	79,495	...	79,495
4 Gamdevi ...	22,88,002	...	22,88,002	24 Princess Street ...	2,65,953	...	2,65,953
5 Dadar-Matunga ...	1,00,49,440	...	1,00,49,440	25 Gamdevi ...	1,29,407	...	1,29,407
6 Sion-Matunga ...	1,30,05,119	1,61,916	1,31,67,035	34 Lamington Road ...	4,61,024	...	4,61,024
7 Colaba Reclamation ...	4,78,538	...	4,78,538	35 Sandhurst Road West ...	1,46,104	...	1,46,104
8 Mandvi-Koliwada ...	26,52,501	...	26,52,501	39 Sandhurst Road East ...	7,58,893	...	7,58,893
11 Agripada ...	3,127	...	3,127	40 Byculla ...	8,28,411	...	8,28,411
13 Souter Street Extension—				44 Maharbaudi ...	2,71,434	...	2,71,434
East-wards ...	68,102	...	68,102	45 Palton Road ...	5,71,492	...	5,71,492
27 Mathew Road ...	14,11,129	...	14,11,129	46 Naigaum ...	5,69,142	...	5,69,142
29 Nowroji Hill ...	85,33,018	...	85,33,018	48 Mahim ...	4,53,032	...	4,53,032
30 Souter Street Extension—				55 Chinchbunder Road ...	4,32,656	...	4,32,656
West-wards ...	1,30,512	...	1,30,512	55A Mazagaon ...	4,53,560	...	4,53,560
31 Parel ...	91,04,651	...	91,04,651	63 King's Circle (Matunga) ...	4,82,185	...	4,82,185
32 East Agripada ...	50,57,935	1,000	50,58,935	67 Naigaum (for Armed Police and Recruits) ...	24,42,031	...	24,42,031
33 Bhatwadi ...	3,28,433	...	3,28,433	70 Arthur Road ...	1,58,357	...	1,58,357
36 Lamington Road ...	2,91,191	...	2,91,191				
37 Sydenham Road ...	1,40,49,746	274	1,40,50,020	<b>Mill Company's Chawl Schemes.</b>			
41 Undria Street ...	5,72,800	...	5,72,800	Scheme No.			
43 Parel Road Central ...	38,97,348	...	38,97,348	42 Spring Mills ...	5,18,990	...	5,18,990
47 Parel Road Northern ...	52,96,220	...	52,96,220	51 Century Mills ...	1,29,980	...	1,29,980
49 Nepean Sea Road—Reclamation	3,053	...	3,053	65 David Mills ...	2,96,852	...	2,96,852
50 Mazagaon Street ...	32,89,689	...	32,89,689				
52 Worli Street ...	2,45,87,564	1,83,683	2,47,71,247	<b>Miscellaneous.</b>			
53 Foras Road ...	36,82,009	...	36,82,009	Survey of the Island of Bombay...	1,06,046	...	1,06,046
54 Kolbhatwadi ...	21,79,254	...	21,79,254	Administrative Offices, etc.—			
56 Dharavi Street ...	98,65,225	6,50,154	1,05,15,379	Building on Esplanade Road near Queen's Statue ...	3,21,562	...	3,21,562
57 Sewri-Wadala ...	2,33,43,563	4,27,950	37,71,513	Engineer's Office at Matunga ...	1,38,468	...	1,38,468
58 Worli-Extension ...	62,86,338	3,31,805	66,18,143	Central Stores at the back of Frere Fletcher School ...	15,656	...	15,656
59 Sewri-Koliwada ...	5,50,563	...	5,50,563	Store yard at Agripada, etc. ...	83,801	...	83,801
60 Naigaum Street ...	76,02,186	...	76,02,186	Workshop for Motor Lorries at Agripada ...	90,368	...	90,368
61 Fergusson Road ...	15,68,030	...	15,68,030	Tools and Plant ...	559	...	559
62 Love Lane ...	16,18,731	...	16,18,731	Refund of preliminary expenses to Government ...	38,019	...	38,019
66 Mahaluzmi ...	4,86,705	...	4,86,705	Preliminary expenses in connection with the improvement of slum areas ...	68,816	...	68,816
69 Widening of Byculla Bridge...	7,20,290	...	7,20,290	Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue ...	...	123	123
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. ...	31,754	Cr.22,991	8,763				
72 Tripartite Road ...	2,26,684	...	2,26,684				
73 Palton Road ...	6,57,833	8,025	6,65,858				
74 Sion Overbridge ...	92,077	...	92,077				
Lump Provision for Acquisition ...	6,136	...	6,136				
Lump Provision for Housing Accommodation to the Poorer Classes ...	31,05,670	3,57,209	34,62,879				
Housing of squatters on land Near Mankhurd Railway Station ...	7,20,350	46,877	7,67,227				
Housing of squatters on land near Jogeshwari ...	3,80,027	33,337	4,13,364				
76 Lohar Chawl Gully ...	82,969	33,499	1,16,468				
77 Housing Accommodation For Fishermen at Mahim causeway ...	7,640	2,047	9,687				
Housing of Squatters-Acquisition ...	...	1,32,544	1,32,544				
Carried forward ...	19,41,18,625	23,80,418	19,64,99,043	<b>Grand Total</b> ...	20,65,77,945	23,80,541	20,89,58,486

\* This figure includes Rs. 2,46,921 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.
	Sq. yds.	Rs.	Rs.
SCHEDULE "W".			
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 1955 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 1955.*

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 1955 at Compound Interest.
1	2	3	4	5	6
<b>4½ per cent. basis.</b>	Rs.			Rs.	Rs.
5 per cent. Debenture Loan	40,00,000	10th November 1919	{ 1st November 1957 1st November 1979	6,696	11,15,147
6 Do. do.	(a) 70,00,000	30th April 1920	{ 1st April 1935 1st April 1980	21,002	*15,43,087
4½ Do. do.	45,00,000	20th February 1922	20th February 1982	7,533	11,19,203
4½ Do. do.	52,00,000	2nd October 1922	2nd October 1982	8,705	12,20,188
4½ Do. do.	8,00,000	22nd January 1923	22nd January 1983	1,340	1,87,825
4½ Do. do.	82,00,000	Do.	Do.	13,727	19,24,140
4½ Do. do.	30,00,000	14th March 1923	14th March 1983	5,022	7,03,940
4½ Do. do.	40,00,000	2nd November 1923	2nd November 1983	6,696	8,84,783
4½ Do. do.	20,00,000	2nd January 1924	2nd January 1984	3,348	4,42,389
4½ Do. do.	29,00,000	5th March 1924	5th March 1984	4,855	6,41,514
4½ Do. do.	20,00,000	1st November 1924	1st November 1984	3,348	4,16,657
4½ Do. do.	60,00,000	10th November 1924	10th November 1984	10,044	12,49,979
4½ Do. do.	20,00,000	2nd January 1925	2nd January 1985	3,348	4,16,657
4½ Do. do.	20,00,000	2nd October 1925	2nd October 1985	3,348	3,92,045
4½ Do. do.	15,00,000	2nd November 1925	2nd November 1985	2,511	2,94,035
4½ Do. do.	35,00,000	2nd January 1926	2nd January 1986	5,859	6,86,080
	Rs. 5,86,00,000			1,07,382	1,32,37,669
<b>4 per cent. basis.</b>					
4 per cent. Rupee Coupon Debenture Loan	50,00,000	1st November 1899	1st November 1959	10,564	(b) 40,97,603
4 Do. Debenture Loan	30,00,000	6th September 1901	6th September 1961	6,280	22,47,819
4 Do. do.	30,00,000	15th July 1902	15th July 1962	6,280	21,48,340
4 Do. do.	60,00,000	20th August 1903	20th August 1963	12,560	41,05,434
4 Do. do.	50,00,000	7th September 1904	7th September 1964	10,493	(c) 32,67,623
4 Do. do.	30,00,000	12th September 1905	12th September 1965	6,280	18,72,489
5 Do. do.	25,00,000	17th September 1926	{ 16th September 1956 16th September 1986	5,233	5,31,451
	Rs. 2,75,00,000			57,690	1,82,70,759
<b>3½ per cent. basis.</b>					
4 per cent. Debenture Loan	Rs. 25,00,000	4th October 1927	{ 4th April 1961 4th October 1970	12,695	11,25,768
<b>3 per cent. basis.</b>					
4 per cent. Debenture Loan	20,00,000	2nd October 1906	2nd October 1966	6,148	(d) 13,01,206
Do. do.	15,00,000	24th September 1907	24th September 1967	4,610	9,38,372
Do. do.	30,00,000	8th September 1908	8th September 1968	9,219	18,03,467
4 per cent. Sterling Coupon Debenture Loan (£5,66,600)	84,99,000	1st July 1909	1st July 1969	25,654	49,19,130
4 Do. do. (£3,33,000)	49,95,000	1st July 1910	1st July 1970	15,077	27,76,693
4 per cent. Debenture Loan	25,00,000	28th August 1912	28th August 1972	7,683	12,76,705
4 Do. do.	18,00,000	26th August 1913	26th August 1973	5,532	8,81,476
4 Do. do.	50,00,000	4th August 1914	4th August 1974	15,365	23,46,407
4 Do. do.	25,00,000	3rd January 1916	3rd January 1976	7,683	11,83,830
3½ Do. do.	10,00,000	31st January 1936	14th March 1966	21,019	(e) 5,28,708
	Rs. 3,27,94,000			1,17,990	1,79,55,994
<b>Grand Total Rs.</b>	12,13,94,000			Total	† 5,05,90,190

NAME OF LOAN.	Amount actually invested upto 31st March 1955.				Amount of interest accrued upto 31st March 1955 collected and invested in 1955-56	Total of Columns 5 and 6.
	Amount of Sinking Fund invested upto 31st March 1954.	Sinking Fund Instalments paid in 1954-55	Interest, etc. accumulations invested in 1954-55	Total.		
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.		
Sinking Funds	5,20,14,064 0 4	5,70,495 0 0	23,48,258 10 8	5,49,32,817 11 0		
Less-withdrawn for repayment of Loans						
Total Sinking Fund				5,49,32,817 11 0		
In Public Securities as detailed in Appendix No. 30				5,49,32,603 0 6		
In Cash with the Imperial Bank of India.				214 10 6		
<b>Total Rs.</b>				5,49,32,817 11 0	1,16,831 14 6	5,50,49,649 9 6

(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

Half yearly interest at 4½% on the portion of Rs. 4 lakhs repaid out of S.F. accumulations

Rs. 12,002

Rs. 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 1943-14

†† The market value of the securities on 31st March 1955 is Rs. 5,50,91,138-8-11 as shown in Appendix No. 30 and after adding the Cash balance of Rs. 214-10-6 and the interest accrued on the securities upto 31st March 1955 amounting to Rs. 1,16,831-14-6 the total amount of Sinking Fund is Rs. 5,52,08,185-1-11.

**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 1954-55, the amount paid during the year and the*

No.	Particulars of Loans.	Amount raised.	Balance due on 1st April 1954.	Rate of Interest	Amount raised in 1954-55.	Total.
1	2	3	4	5	6	7
		Rs.   a.	Rs.   a.   p.		Rs.   a.	Rs.   a.   p.
<i>Loans raised from Government.</i>						
1	Consolidated Loan in respect of Conversion Loan 1937-38, Rs. 35 lakhs Loan, and Rs. 8 lakhs Loan ...	4,17,94,178 1	3,16,56,234 8 0	3.3759 per cent.		3,16,56,234 8 0
2	45 lakhs Loan 1922 ...	45,00,000 0	1,65,898 0 0	4½ Do.		1,65,898 0 0
3	52 lakhs Loan October 1922 ...	52,00,000 0	43,34,102 0 0	4½ Do.		43,34,102 0 0
4	8 lakhs Loan 22nd January 1923 ...	8,00,000 0	6,34,102 0 0	5½ Do.		6,34,102 0 0
5	82 lakhs Loan 22nd January 1923 ...	82,00,000 0	1,65,65,898 0 0	4½ Do.		1,65,65,898 0 0
6	30 lakhs Loan 14th March 1923 ...	30,00,000 0				
7	40 lakhs Loan 2nd November 1923 ...	40,00,000 0	4,00,000 0 0	5½ Do.		4,00,000 0 0
8	20 lakhs Loan 2nd January 1924 ...	20,00,000 0	85,00,000 0 0	4½ Do.		85,00,000 0 0
9	29 lakhs Loan 5th March 1924 ...	29,00,000 0				
10	20 lakhs Loan 1st November 1924 ...	20,00,000 0	5,00,000 0 0	5 Do.		5,00,000 0 0
11	60 lakhs Loan 10th November 1924 ...	60,00,000 0	95,00,000 0 0	4½ Do.		95,00,000 0 0
12	20 lakhs Loan 2nd January 1925 ...	20,00,000 0				
13	20 lakhs Loan 2nd October 1925 ...	20,00,000 0	12,00,000 0 0	5½ Do.		12,00,000 0 0
14	15 lakhs Loan 2nd November 1925 ...	15,00,000 0	58,00,000 0 0	4½ Do.		58,00,000 0 0
15	35 lakhs Loan 2nd January 1925 ...	35,00,000 0				
<b>Total loans raised from Government</b>		<b>8,93,94,178 1</b>	<b>7,92,56,234 8 0</b>			<b>7,92,56,234 8 0</b>
<i>Loans raised from the Public.</i>						
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 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
*21	20 lakhs Loan 1954-55 ...	...	...	4 Do.		...
<b>Total Loans raised from the Public</b>		<b>7,37,94,000 0</b>	<b>7,33,94,000 0 0</b>			<b>7,33,94,000 0 0</b>
<b>Grand Total</b>		<b>16,31,88,178 1</b>	<b>15,26,50,234 8 0</b>			<b>15,26,50,234 8 0</b>

\* The lone was not raised in 1954-55.

**T. V DORAISWAMY,**  
*Chief Accountant.*

No. 29.  
SCEHMES.

Municipality, the interest outstanding on 1st April 1954, on the different Loans, the amount Balances outstanding on 31st March 1955.

Amount repaid in 1954-55.	Balance due on 31st March 1955.	Interest outstanding on 1st April 1954.	Interest payable in 1954-55.	Total interest due.	Deduct interest paid during the year.	Outstanding balance on 31st March 1955.
8	9	10	11	12	13	14
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
7,33,564 8 0	3,09,22,670 0 0		10,62,543 8 0	10,62,543 8 0	10,62,543 8 0	...
...	...	(a)	7,880 2 0	7,880 2 0	7,880 2 0	...
...	45,00,000 0 0		1,95,034 14 0	1,95,034 14 0	1,95,034 10 0	* 0 4 0
...	...	(b)	34,875 10 0	34,875 10 0	34,875 10 0	...
...	1,72,00,000 0 0		7,45,466 6 0	7,45,466 6 0	7,45,465 6 0	* 1 0 0
...	...	(c)	21,000 0 0	21,000 0 0	21,000 0 0	...
...	89,00,000 0 0		3,82,500 0 0	3,82,500 0 0	3,82,500 0 0	...
...	...	(d)	25,000 0 0	25,000 0 0	25,000 0 0	...
...	1,00,00,000 0 0		4,27,500 0 0	4,27,500 0 0	4,27,500 0 0	...
...	6,00,000 0 0	(e)	63,000 0 0	63,000 0 0	63,000 0 0	...
...	64,00,000 0 0		2,61,000 0 0	2,61,000 0 0	2,61,000 0 0	...
7,33,564 8 0	7,85,22,670 0 0		32,25,800 8 0	32,25,800 8 0	32,25,799 4 0	* 1 4 0
...	50,00,000 0 0	10,968 15 4	2,00,000 0 0	2,10,968 15 4	1,88,890 0 0	22,078 15 4
...	30,00,000 0 0	3,571 6 10	1,20,000 0 0	1,23,571 6 10	1,20,197 14 0	3,373 8 10
...	30,00,000 0 0	8,066 15 6	1,20,000 0 0	1,28,066 15 6	1,20,617 6 0	7,449 9 6
...	60,00,000 0 0	31,416 3 4	2,40,000 0 0	2,71,416 3 4	2,29,747 8 0	41,668 11 4
...	50,00,000 0 0	36,306 9 8	2,00,000 0 0	2,36,306 9 8	1,95,113 10 0	41,192 15 8
...	30,00,000 0 0	4,435 3 4	1,20,000 0 0	1,24,435 3 4	1,20,784 10 0	3,650 9 4
...	20,00,000 0 0	3,299 11 0	80,000 0 0	83,299 11 0	79,939 10 0	3,360 1 0
...	15,00,000 0 0	4,738 8 0	60,000 0 0	64,738 8 0	59,741 10 0	4,996 14 0
...	30,00,000 0 0	6,317 11 0	1,20,000 0 0	1,26,317 11 0	1,19,052 6 0	7,265 5 0
...	84,99,000 0 0	3,600 0 0	3,06,442 0 0	3,10,042 0 0	3,03,812 1 11	2,500 0 0
...	49,95,000 0 0	1,220 0 0	1,80,102 0 0	1,81,322 0 0	1,77,048 13 8	3,729 14 1
...	25,00,000 0 0	3,193 8 8	1,00,000 0 0	1,03,193 8 8	1,00,740 0 0	2,080 0 0
...	18,00,000 0 0	5,981 1 0	72,000 0 0	77,981 1 0	70,843 2 0	2,193 2 4
...	50,00,000 0 0	9,556 2 0	2,00,000 0 0	2,09,556 2 0	2,02,604 10 0	2,453 8 8
...	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	3,800 0 0	2,00,000 0 0	2,03,800 0 0	2,02,162 8 0	1,637 8 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	4,892 3 0	1,25,000 0 0	1,29,892 3 0	1,26,492 3 0	3,400 0 0
...	25,00,000 0 0	12,209 0 0	1,00,000 0 0	1,12,209 0 0	98,739 0 0	13,470 0 0
...	10,00,000 0 0	17,500 0 0	35,000 0 0	52,500 0 0	52,500 0 0	...
...	...	...	40,000 0 0	40,000 0 0	...	* 40,000 0 0
...	7,33,94,000 0 0	1,71,073 2 8	31,14,544 0 0	32,85,617 2 8	30,65,027 0 7	1,74,667 1 8
7,33,564 8 0	15,19,16,670 0 0	1,71,073 2 8	63,40,344 8 0	65,11,417 10 8	62,90,826 4 7	* 45,923 0 5
						* 45,924 4 5

Amount of loan outstanding on 1st April 1954.	Amount of debentures held by Govt. on 1st April 1954.	Amount of debentures re-purchased during 1954-55.	Amount of debentures held by Govt. on 31st March 1955.	Amount of debentures held by the Corporation on 31st March 1955.	* To be treated as savings.
Rs.	Rs.	Rs.	Rs.	Rs.	
(a) 45,00,000	1,65,898	1,65,898	...	45,00,000	
(b) 1,72,00,000	6,34,102	6,34,102	...	1,72,00,000	
(c) 89,00,000	4,00,000	4,00,000	...	89,00,000	
(d) 1,00,00,000	5,00,000	5,00,000	...	1,00,00,000	
(e) 70,00,000	12,00,000	6,00,000	6,00,000	64,00,000	
Total. 4,76,00,000	29,00,000	23,00,000	6,00,000	4,70,00,000	

P. R. NAYAK,  
Municipal Commissioner.

## Appendix No 30.

## IMPROVEMENT SCHEMES.

*Comparison of Face, Purchase and Market Values as on 31st March 1955 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 14 0	3,16,603 12 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	4,51,07,500	4,51,07,500 0 0	"	4,51,07,500 0 0
5 per cent. Bombay Improvement Trust Debentures ...	9,81,500	9,05,409 10 0	"	9,81,500 0 0
6 per cent. Bombay Improvement Trust Debentures ...	23,73,100	23,89,825 0 0	"	23,73,100 0 0
3½ per cent. Bombay Municipal Debentures ...	4,54,500	4,54,500 0 0	"	4,54,500 0 0
3 per cent. Bombay Municipal Debentures ...	14,53,200	14,53,200 0 0	"	14,53,200 0 0
4 per cent. Bombay Municipal Debentures ...	30,400	30,400 0 0	"	30,400 0 0
3½ per cent. Bombay Municipal Debentures ...	43,500	43,500 0 0	"	43,500 0 0
3 per cent. Conversion Loan ...	5,22,300	5,23,746 13 0	80 10 0	4,21,104 6 0
4 per cent. B. I. Trust Sterling Debentures ...	£1,46,500	19,29,256 7 6	Par at 1/5 $\frac{31}{32}$	19,56,730 6 11
Total	Rs. 5,32,36,000 £ 1,46,500	5,49,32,603 0 6		5,50,91,138 8 11

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**APPENDIX No. 31**  
**EDUCATION FUND**  
*Revenue Account for the year ended 31st March 1955*

Particulars.	Total	Particulars	Total
	Rs.   a. p.		Rs.   a. p.
To Revenue Expenditure as per Appendix No. 33		By Revenue Receipts as per Appendix No. 32	
City Section ...	1,18,36,430 13 0	City Section ...	1,30,03,105 8 10
Suburban Section...	19,79,890 9 9	Suburban Section	19,63,590 1 3
Balance being surplus for the year	1,38,16,321 6 9		1,49,66,695 10 1
	11,50,374 3 4		
Total ...	1,49,66,695 10 1	Total ...	1,49,66,695 10 1
<hr/>			
To Revenue Expenditure to be incurred in 1955-56 and provided for as Renewed Grants	10,60,209 0 0	By Opening Balance	10,75,056 5 10
		.. Revenue of previous years reserved for the year 1954-55	9,47,817 0 0
To Balance being Surplus Revenue Fund as at 31st March 1955	21,13,038 9 2	.. Surplus for the year	11,50,374 3 4
Total ...	31,73,247 9 2	Total ...	31,73,247 9 2

**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 1954-55 from all sources as contrasted with the Original and Revised Budget Estimates.*

Particulars.	Budget Estimate for 1954-55.			Revised Estimate for 1954-55			Actuals for 1954-55.			Actuals for 1953-54.			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 ...	4,30,000	60,000	4,90,000	4,52,000	67,000	5,19,000	4,78,311	71,708	5,50,019	4,41,487	64,001	5,05,498	+ 60,019	+ 31,019
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act ...	1,02,64,415	11,89,100	1,14,53,515	99,05,135	13,40,484	1,12,45,619	99,05,135	13,40,484	1,12,45,619	92,48,465	11,45,106	1,03,93,571	- 2,07,896	-
(3) Contribution from Government under clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act.	25,09,000	5,50,000	30,59,000	25,50,000	5,50,000	31,00,000	25,09,500	5,50,000	30,59,500	26,24,166	6,33,384	32,57,550	+ 500	-40,500
(4) Interest on Endowment and Investments ...	7,200	...	7,200	7,200	...	7,200	7,105	...	7,105	7,342	...	7,342	- 95	- 95
(5) Rent and other proceeds of Properties ...	4,500	500	5,000	6,000	500	6,500	10,324	236	10,560	3,735	172	3,907	+5,560	+4,060
(6) Interest and Profit on Investments of Surplus Loan and other balances.	35,000	...	35,000	70,000	...	70,000	81,958	...	81,958	54,988	...	54,988	+ 46,958	+ 11,958
(7) Miscellaneous Receipts	25,000	4,000	29,000	25,000	4,000	29,000	10,773	1,162	11,935	15,376	4,819	20,195	-17,065	- 17,065
<b>Total ...</b>	<b>1,32,75,115</b>	<b>18,03,600</b>	<b>1,50,78,715</b>	<b>1,30,15,335</b>	<b>19,61,984</b>	<b>1,49,77,319</b>	<b>1,30,03,106</b>	<b>19,63,590</b>	<b>1,49,66,696</b>	<b>1,23,95,559</b>	<b>18,47,492</b>	<b>1,42,43,051</b>	<b>-1,12,019</b>	<b>- 10,623</b>

**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 1954-55.*

Particulars,	FINAL GRANTS SANCTIONED FOR EXPENDITURE DURING 1954-55.			ACTUALS FOR 1954-55.			FINAL GRANTS COMPARED WITH THE ACTUALS.						ACTUALS FOR 1953-54		
	City	Suburbs.	Total	City	Suburbs	Total.	Amounts to be renewed in 1955-56			Savings			City	Suburbs	Total
							City	Suburbs	Total	City	Suburbs	Total			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>-General Supervision and Administration-</b>															
(a) Corporation and Standing Committee ...	32,547	...	32,547	24,562	...	24,562	6,618	...	6,618	1,367	...	1,367	23,799	...	23,799
(b) Municipal Commissioner's Office Establishment ...	9,223	...	9,223	9,217	...	9,217	...	...	...	6	...	6	8,637	...	8,637
(c) Audit and Accounts Establishment ...	1,02,768	8,558	1,11,326	93,514	6 84	1,00,098	3,268	...	3,268	5,986	1,974	7,960	98,766	6,722	1,05,488
(d) Education Officer's Establishment ...	1,34,549	...	1,34,549	1,23,533	...	1,23,533	2,376	...	2,376	8,640	...	8,640	1,12,314	...	1,12,314
(e) Proportionate cost of Chief Auditor's Establishment...	15,000	...	15,000	13,867	...	13,867	...	...	...	1,133	...	1,133	14,014	...	14,014
(f) Miscellaneous Charges ...	2,337	...	2,337	946	...	946	...	...	...	1,391	...	1,391	80	...	80
	2,96,424	8,558	3,04,982	2,65,639	6,584	2,72,223	12,262	...	12,262	18,523	1,974	20,497	2,57,610	6,722	2,64,332
<b>-Municipal Primary Schools</b>															
(a) Supervision of Schools ...	3,40,167	58,940	3,99,107	2,98,480	49,509	3,47,989	7,029	1,806	8,835	34,658	7,625	42,283	2,91,498	56,733	3,48,231
(b) Schools ...	77,93,345	14,00,749	91,94,094	68,67,001	11,36,011	80,03,012	3,13,461	1,47,189	4,60,650	6,12,883	1,17,549	7,30,432	65,69,833	9,99,902	75,69,735
(c) Libraries ...	20,962	4,517	25,479	13,310	1,501	14,811	5,774	602	6,376	1,878	2,414	4,292	12,780	1,004	13,784
	81,54,474	14,64,206	96,18,680	71,78,791	11,87,021	83,65,812	3,26,264	1,49,597	4,75,861	6,49,419	1,27,588	7,77,007	68,74,111	10,57,639	79,31,750
<b>-Private Primary Schools</b>															
(a) Supervision of Schools ...	36,333	11,157	47,490	30,072	10,441	40,513	1,106	422	1,528	5,155	294	5,449	31,929	9,242	41,171
(b) Grant-in-aid to Schools...	3,75,657	2,26,098	6,01,755	1,803	1,14,998	1,16,801	3,69,950	1,11,100	4,81,050	3,904	...	3,904	6,98,902	1,22,125	8,21,027
	4,11,990	2,37,255	6,49,245	31,875	1,25,439	1,57,314	3,71,056	1,11,522	4,82,578	9,059	294	9,353	7,30,831	1,31,367	8,62,198



<b>D—Medical Inspection of School Children—</b>															
(a) Medical Inspection ...	93,006	12,387	1,05,393	83,329	1,219	84,548	3,896	50	3,946	5,781	11,118	16,899	77,566	1,300	78,866
(b) School Clinic at K.E.M. Hospital	16,737	...	16,737	15,560	...	15,560	100	...	100	1,077	...	1,077	15,362	...	15,362
	1,09,743	12,387	1,22,130	98,889	1,219	1,00,108	3,996	50	4,046	6,858	11,118	17,976	92,928	1,300	94,228
<b>E—Enforcement of Compulsion.</b>	42,458	5,980	48,438	16,923	174	17,097	16,538	5,800	22,338	8,997	6	9,003	25,763	3,697	29,460
<b>F—Educational Activities—</b>															
(a) R. C. Training Institute for Lady Urdu Teachers	17,557	...	17,557	13,571	...	13,571	1,523	...	1,523	2,463	...	2,463	13,848	...	13,848
(b) Byculla Education Centre	1,300	...	1,300	...	...	...	1,300	...	1,300	...	...	...	2,500	...	2,500
(c) Functions	5,722	1,200	6,922	3,558	904	4,462	1,134	95	1,229	1,030	201	1,231	3,970	918	4,888
(d) Scouting	38,236	5,867	44,103	26,401	1,874	28,275	5,987	2,772	8,759	5,848	1,221	7,069	20,978	1,112	22,090
(e) Education Research Unit	6,742	...	6,742	...	...	...	...	...	...	6,742	...	6,742	...	...	...
	69,557	7,067	76,624	43,530	2,778	46,308	9,944	2,867	12,811	16,083	1,422	17,505	41,296	2,030	43,326
<b>G—Pension and Provident Fund—</b>															
(a) Provident Fund	7,75,000	1,05,000	8,80,000	7,58,845	91,639	8,50,484	...	...	...	16,155	13,361	29,516	7,23,028	87,255	8,10,283
(b) Pension	2,88,586	...	2,88,586	2,66,593	...	2,66,593	6,793	...	6,793	15,200	...	15,200	2,73,627	...	2,73,627
	10,63,586	1,05,000	11,68,586	10,25,392	91,685	11,17,077	6,793	...	6,793	31,401	13,315	44,716	9,96,655	87,255	10,83,910
<b>H—Dearness Allowance</b>	32,33,219	6,15,683	38,48,902	29,92,085	5,50,920	35,43,005	15,988	7,440	23,428	2,25,146	57,323	2,82,469	29,23,106	5,22,030	34,45,136
<b>I—New Works</b>	41,509	8,600	50,109	8,021	...	8,021	9,439	8,600	18,039	24,049	...	24,049	...	...	...
<b>J—Debt Charges</b>	2,16,741	27,168	2,43,909	1,75,240	14,116	1,89,356	1,978	75	2,053	39,523	12,977	52,500	1,73,398	11,638	1,85,036
<b>Total</b>	1,36,39,701	24,91,904	1,61,31,605	1,18,36,431	19,79,890	1,38,16,321	7,74,258	2,85,951	10,60,209	10,29,012	-2,26,063	12,55,075	1,21,15,698	18,23,678	1,39,39,376

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**APPENDIX No. 33-A**  
**EDUCATION FUND**

*Statement showing details of Expenditure incurred on New Works during the year 1954-55.*

Particulars	Expenditure upto 31-3-54	Expenditure during the year 1954-55	Total Expenditure upto 31-3-1955
<b>City Section</b>	Rs.	Rs.	Rs.
Works completed (as per report for 1951-52) ...	15,000	...	15,000
Purchase of a Building for Mahim Causeway Marathi School.	...	7,500	7,500
Provision of an additional water-closet at Municipal Souter Street Urdu School.	...	521	521
Total ...	15,000	8,021	23,021

**T. V. DORAISWAMY,**  
*Chief Accountant.*

**P. R. NAYAK,**  
*Municipal Commissioner.*

**APPENDIX No. 34**  
**EDUCATION FUND**

*Revenue Account Balance Sheet as at 31st March 1955*

Liabilities.	Rs. a. p.	Assets	Rs. a. p.
<b>Debts.</b>		Cash at Bank 3,60,096 5 10	
Due on cheques payable ...	2,00,341 2 6	Cash in Office 13,411 4 3	
			3,73,507 10 1
Due on outstanding charges for 1954-55 and previous years ...	10,60,209 0 0	<b>Advances—Recoverable (vide Appendix No. 39)</b>	
		Municipal Officers 21,416 5 9	
		Sundries—Miscellaneous advances. 686 3 0	
			22,102 8 9
Due on outstanding charges on account of Interest accrued but not paid (details vide Appendix No. 39B)	3,333 5 4	Plant and Machinery	16,000 0 0
		Deposits in Public Securities with Imperial Bank of India	71,400 0 0
Deposits in Cash and Public Securities from Contractors and private parties (vide details shown in Appendix No. 39-A) ...	5,27,354 12 1	Municipal Contribution Receivable From Budget 'A' 1,04,442 9 7	
		From Budget 'D' 11,826 14 0	
			1,16,269 7 7
		<b>Investments—</b>	
Endowment Fund (vide details shown in Appendix No. 41-A)...	3,37,473 1 2	Endowment Fund (vide Appendix No. 41-A)	
		With Imperial Bank of India	
		In securities 3,37,149 3 6	
		In cash 323 13 8	
			3,37,473 1 2
Surplus Revenue Fund (vide Appendix No. 31) ...	21,13,038 9 2	Surplus Fund	
		In securities * 2,61,356 4 0	
		In Fixed, Call and Current Account Deposits 30,43,640 14 8	
			36,42,470 3 10
<b>Total</b> ...	<b>42,41,749 14 3</b>	<b>Total</b> ...	<b>42,41,749 14 3</b>

\* Details of Securities held in Surplus Fund—

	Face value		Cost	
	Rs.		Rs.	as. ps.
3% Conversion Loan, 1946	...	200	165	0 0
3% Govt. Loan 1970-75	...	4,400	3,836	4 0
4% Bombay Municipal Debentures 1954-	...	2,58,000	2,57,355	0 0
		<u>2,62,600</u>	<u>2,61,356</u>	<u>4 0</u>

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

**APPENDIX No. 35**  
**EDUCATION FUND**

*Capital Fund Balance Sheet as at 31st March 1955.*

Liabilities	Rs. a. p.	Assets	Rs. a. p.
<b>Loan Outstanding—</b>		<b>Block Account—</b>	
<b>Due to Public—</b>		<b>Loan Funds—</b>	
(Vide details as shown in Appendix No. 37).	25,00,000 0 0	Property and Assets at original cost as per Appendix No. 36.	16,97,139 9 8
<b>Trust Fund Account.</b>		<b>Trust Fund—</b>	
Donation for construction of a school building at Kurla.	17,666 5 0	Expenditure as per Appendix No. 36.	68,775 14 4
Interest	700 0 0	<b>Investment—</b>	
Donation from Mukti Sangh, Santa Cruz for constructing a school building in T.P.S. III Santa Cruz.	8,074 13 0	<b>Sinking Fund—</b>	
Interest ...	189 10 0	As per Appendix No. 38	1,23,220 4 0
	26,630 12 0	<b>Loan Fund—</b>	
<b>Surplus—</b>		In Securities ...	1,42,476 4 0
Sinking Fund	1,23,220 4 0	In Fixed Deposit..	6,00,000 0 0
Contribution from Trust Fund ...	68,775 14 4	In Cash ...	87,014 14 4
Grand Total ...	27,18,626 14 4		*8,29,491 2 4
		Grand Total...	27,18,626 14 4

\* Includes Rs. 26,630-12-0 being balance on account of Trust Fund.

† For Face, Purchase and Market values of Securities held in the Sinking Funds, please see Appendix No. 41.

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 1955

	Total Capital Expenditure upto 31st March 1954.	Expenditure during 1954-55.	Total Capital Expenditure upto 31st March 1955.
	Rs.	Rs.	Rs.
<b>(1) Loan Funds</b>			
<b>City Section</b>			
<i>Works in Progress—</i>			
(1) Construction of an additional floor over the existing Municipal School Building at Delisle Road.	1,32,161	279	1,32,440
(2) Construction of School Building on Plot Nos. 50, 51 and 52, Suparibaug Estate.	3,26,454	1,45,367	4,71,821
(3) Construction of an additional floor over J. R. Municipal Urdu School at Sandhurst Road.	33,020	990	34,010
(4) Construction of a ground and two upper floor Buildings for a Gujarati School at Matunga.	1,74,104	4,053	1,78,157
(5) Extension of Haji Ismail Haji Allana School building at Antop Hill.	79	20,039	20,118
(6) Construction of a school building at Sion on Plot Nos. 160B to 162A in Scheme No. 6, Sion Matunga Estate.	1,04,465	2,44,882	3,49,347
(7) Construction of an additional storey over R.C. Urdu School at Mahim.	...	70,063	70,063
(8) Construction of a school building on Plot Nos. 27-29, Scheme 60, Naigaum Estate.	...	1,01,577	1,01,577
(9) Construction of a school building on Plots Nos. 150, 151, 152 and 153 in Scheme No. 31, Suparibaug Estate.	...	89,040	89,040
(10) Purchase of Plot No. 96-98 North and 141-13 South, Dadar-Matunga Schemes 5 and 6 including structures thereon for Municipal schools.	...	56,000	56,000
<b>Total City Section ...</b>	<b>7,70,283</b>	<b>7,32,290</b>	<b>15,02,573</b>
<b>Suburban Section</b>			
(1) Construction of a school building at Dr. Ambedkar Road, Pali, Bandra.	96	49,846	49,942
(2) Construction of an additional building in the Petit School compound.	...	85	85
(3) Extension of Municipal Village Marathi School at Old Kurla.	...	30,484	30,484
(4) Extension of Municipal Marathi School at Ghatla.	...	39,576	39,576
(5) Construction of an additional floor over the Marathi School at Versova.	...	100	100
(6) Construction of an additional floor over the Municipal Manilal Sunderji School at Vile Parle (West).	...	20,002	20,002
(7) Construction of a new school building over the site of the reclaimed Juhu Tank.	...	97	97
(8) Acquisition of Plot No. 50 T. P. Scheme III Santacruz about 2,500 square yards.	...	19	19
<b>Total Suburban Section ...</b>	<b>96</b>	<b>1,40,209</b>	<b>1,40,305</b>
<b>DISCOUNT AND OTHER CHARGES ON THE LOANS—</b>			
Discount and other charges on the Loans ...	28,012	26,250	54,262
<b>Total, Loan Funds ...</b>	<b>7,98,391</b>	<b>8,98,749</b>	<b>16,97,140</b>
<b>(2) Trust Fund</b>			
(1) Construction of an additional storey over the R. C. Urdu School Building at Mahim.	64,002	4,774	68,776
<b>Total, Trust Funds ...</b>	<b>64,002</b>	<b>4,774</b>	<b>68,776</b>
<b>Grand Total ...</b>	<b>8,62,393</b>	<b>9,03,523</b>	<b>17,65,916</b>

Note.—Capital Expenditure upto 31-12-1950 is shown in Budget 'A' accounts under III.—Education Primary (Appendix No. 8).

T. V. DORAISAMY,  
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 1954 on the different Loans, the amount payable for the year 1954-55, the amount paid by the Imperial Bank of India, and in Office during that year and the balances outstanding on 31st March 1955.*

Particulars of Loans.	Rate of Interest.	Balance due on 1-4-54.	Amount raised in 1954-55.	Total.	Amount repaid in 1954-55.	Balance due on 31st March 1955.	Interest outstanding on 1-4-1954.	Interest payable in 1954-55.	Total Interest due.	Deduct Interest paid by the Imperial Bank of India and in Office.	Outstanding balance on 31st March 1955.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Rs. a. p.		Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
<b>Loans raised from the Public</b>											
(1) The 5 Lakhs Education Loan of 1952	4 per cent.	5,00,000 0 0	...	5 00,000 0 0	...	5,00,000 0 0	940 0 0	20,000 0 0	20,940 0 0	19,800 0 0	1,140 0 0
(2) The 5 L <sup>acs</sup> Education Loan of 1952-53	4 per cent.	5,00,000 0 0	...	5 00,000 0 0	...	5,00,000 0 0	...	20,000 0 0	20,000 0 0	20,000 0 0	...
(3) The 15 Lakhs Education Loan of 1954	4 per cent.	...	15,00,000	15,00,000 0 0	...	15,00,000 0 0	...	22,500 0 0	22,500 0 0	22,365 0 0	135 0 0
Loans from Public ...		10,00,000 0 0	15,00,000	25,00,000 0 0	...	25,00,000 0 0	940 0 0	62,500 0 0	63,440 0 0	62,165 0 0	1,275 0 0

**T. V. DORAISWAMY,**  
Chief Accountant.

**P. R. NAYAK,**  
Municipal Commissioner.

## APPENDIX No. 38

## EDUCATION FUND

Statement showing the Actual Investments on account of the Sinking Fund of different Municipal Loans upto 31st March 1955, 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 1955.

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 1955 compound Interest
1	2	3	4	5	6	7
	Rs.			Rs.		Rs. a. p.
<i>4 percent. Municipal Loan (3½ percent. basis).</i>						
5 lakhs Education Loan 1952 ...	5,00,000	3rd September 1952.	1st September 1964	... 33,756 2	1st September 1953 ...	70,282 4 0
5 lakhs Education Loan 1952-53 ...	5,00,000	26th November 1952.	1st September 1967	... 25,438 0	1st September 1953 ...	52,963 0 0
					Total ...	1,23,245 4 0

	Amount actually invested upto 31st March 1955				Amount of interest accrued upto 31st March 1955 collected and invested in 1955-56	Total of Columns 5 and 6
	Amount of Sinking Fund invested upto 31st March 1954	Sinking Fund Instalments paid in 1954-55	Interest etc., accumulations invested in 1954-55	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 Fund ...	60,384 2 0	59,194 2 0	3,642 0 0	1,23,220 4 0		
In Public Securities as detailed in Appendix No. 41.				1,23,165 5 0		
In Cash ...				54 15 0		
Total ...				1,23,220 4 0	416 6 0	1,23,636 10 0

The market value of the securities on 31st March 1955 is Rs. 1,24,083-5-0 as shown in Appendix No. 41 and after adding the Cash Balance of Rs. 54-15-0 the interest accrued on securities amounting to Rs. 416-6-0 the total amount of Sinking Fund is Rs. 1,24,554-10-0.

T. V. DORAISWAMY,  
Chief Accountant

P. R. NAYAK,  
Municipal Commissioner.

**APPENDIX No. 39**  
**EDUCATION FUND**

*Statement of Advances for 1954-55*

Name of Account.	Opening Balance on 1st April 1954.	Debits during 1954-55	Total.	Credits during 1954-55	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>Municipal Officers:—</b>					
Standing Advances for Contingent expenses ...	13,522	2,682	16,204	313	15,891
Motor Cars and Motor cycles to officers.	9,395	...	9,395	3,870	5,525
Dishonoured cheques ...	...	741	741	741	...
	22,917	3,423	26,340	4,924	21,416
Miscellaneous Advances Sundries ...	887	2,462	3,349	2,663	686
<b>Total.</b>	<b>23,804</b>	<b>5,885</b>	<b>29,689</b>	<b>7,587</b>	<b>22,102</b>

**T. V. DORAISWAMY,**  
*Chief Accountant.*

**P. R. NAYAK,**  
*Municipal Commissioner.*



## APPENDIX No. 39-A

## EDUCATION FUND

## Statement of Deposit Accounts for 1954-55

Name of Account.	Opening Balance on 1st April 1954	Credits during 1954-55	Total.	Debits during 1954-55	Closing Balance on 31st March 1955.
	Rs.	Rs.	Rs.	Rs.	Rs.
A.—Cash Deposits from Contractors, Tenderers and Municipal Employees ...	44,947	84,529	1,29,476	45,140	84,336
B.—Cash Deposits from private parties received through Departmental Offices ...	...	...	...	...	...
C.—Other Cash Deposits ...					
(1) Provident Fund Advances etc. ...	31,665	67,967	99,632	62,242	37,390
(2) Pensions ...	3,177	988	4,165	2,430	1,735
(3) Co-operative Societies ...	27,166	13,22,236	13,49,402	13,33,990	15,412
(4) Interest on Securities of Endowment Funds ...	15,651	7,359	23,010	14,047	8,963
(5) Interest on other Securities ...	...	312	312	312	...
(6) Income-tax on Establishments ...	1,894	5,135	7,029	6,313	716
(7) Unpaid Rent ...	32,860	54,056	86,916	44,729	42,187
(8) Court attachment and departmental dues ...	870	5,124	5,994	4,954	1,040
(9) Other Deposits ...	81,919	1,90,172	2,72,091	1,90,875	81,216
(10) Sales Tax ...	42	52	94	93	1
(11) Unclaimed Wages ...	...	2,04,707	2,04,707	1,45,276	59,431
(12) Municipal Contribution ...	...	1,34,549	1,34,549	11,021	1,23,528
D.—Paper Deposits kept in Office ...	...	2,400	2,400	2,400	...
E.—Paper Deposits from Contractors Municipal Employees etc.,	81,800	5,100	86,900	15,500	71,400
Wages Deposit Account ...	58,747	...	58,747	58,747	...
Provident Fund Recoveries and Payments ...	..	22,76,265	22,76,265	22,76,265	...
Total ...	3,80,738	43,60,951	47,41,689	42,14,334	5,27,355

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## APPENDIX No. 39B

## EDUCATION FUND

*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 1955.*

Year of Adjustment	Particulars of Loan	Amount of Interest accrued but not paid outstanding	Date of maturity of loan
		Rs. a. p.	
1953-54	Rs. 5 lakhs Education Loan of 1952-53	... 1,666 10 8	1-9-1964
1954-55	Rs. 5 lakhs Education Loan of 1952-53	... 1,666 10 8	1-9-1967
	Total ...	3,333 5 4	

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 1954-55 and the balance at the credit of the Fund at the close of the year 1954-55 (i.e., 31st March 1955).

	Rs.	a.	p.
<b>RECEIPTS—A.—REVENUE ACCOUNT</b>			
(1) Fees and Fines from Municipal Schools	5,50,018	15	0
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—			
(i) From Budget 'A'	99,05,135	0	0
(ii) From Budget 'D'	13,40,484	0	0
(3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act	30,59,500	0	0
(4) Interest on Endowment and Investments	7,105	2	0
(5) Rent and other proceeds of properties	10,560	2	0
(6) Interest and Profits on Investments of Loan and other balances	81,957	14	1
(7) Miscellaneous Receipts	11,934	9	0
<b>Total—Revenue Receipts</b>	<b>1,49,66,695</b>	<b>10</b>	<b>1</b>
<b>RECEIPTS—B.—CAPITAL ACCOUNT</b>			
(1) New Loan	15,00,000	0	0
(2) Trust Fund	889	10	0
<b>Total—Capital Receipts</b>	<b>15,00,889</b>	<b>10</b>	<b>0</b>
<b>RECEIPTS—C.—SUSPENSE ACCOUNT</b>			
<b>Advances—Municipal Officers—</b>			
(a) Standing Advances for Contingent Expenditure	312	7	3
(b) Motor Cars and Motor Cycles to Officers	3,870	0	0
(c) Dishonoured Cheques	741	8	0
<b>Sundries—Miscellaneous Advances</b>	2,662	2	1
<b>Imperial Bank of India and other Local Banks Paper and Cash Account—</b>			
Sinking Fund (Paper and Cash) Account	72,010	0	6
Endowment Fund (Paper and Cash) Account	62,527	8	0
Loan Fund (Paper and Cash) Account	46,777	8	0
Surplus Fund (Paper and Cash) Account	1,16,25,982	2	6
Sundry Deposits (Paper and Cash) Account			
<b>Deposit Account</b>	20,84,685	9	0
<b>Provident Fund Recoveries</b>	22,76,265	4	0
<b>Provident Fund Investments</b>	4,52,678	5	0
<b>Cash Bills Outstanding</b>	—		
<b>Cheques Payable</b>	1,42,76,029	15	4
<b>Wages Deposit Account</b>	...		
<b>Municipal Contribution Receivable</b>	1,16,601	8	6
<b>Municipal Contribution Payable (Refundable)</b>	...		
<b>Endowment Fund Account</b>	11,622	15	6
<b>Sinking Fund Account—Education</b>	62,836	2	0
<b>Education Loan Interest Warrant Payable Account</b>	34,196	2	0
<b>Interest Receivable A/c</b>	125	12	2
<b>Interest accrued but not paid</b>	1,666	10	8
<b>Investment of Surplus Monies in Public Securities</b>	3,07,968	12	0
<b>Advances from Surplus Monies for financing Capital Expenditure pending raising of Loan.</b>	1,09,894	7	0
<b>Total—Suspense Receipts</b>	<b>3,15,49,454</b>	<b>11</b>	<b>6</b>

## APPENDIX No. 40. (Contd.)

<b>EXPENDITURE—A.—REVENUE ACCOUNT</b>		Rs.	a.	p.
A.—General Supervision and Administration	...	2,72,223	6	7
B.—Municipal Primary Schools	...	83,65,811	11	10
C.—Private Primary Schools	...	1,57,313	9	3
D.—Medical Inspection of school children	...	1,00,108	7	6
E.—Enforcement of Compulsion	...	17,096	14	3
F.—Educational Activities	...	46,307	8	9
G.—Pension and Provident Fund	...	11,17,077	8	0
H.—Dearness Allowance	...	35,43,005	9	0
I.—New Works	...	8,020	11	0
J.—Debt Charges	...	1,89,356	0	7
<b>Total—Revenue Expenditure</b>	...	<b>1,38,16,321</b>	<b>6</b>	<b>9</b>
<b>EXPENDITURE—B.—CAPITAL ACCOUNT</b>				
(1) Loan Funds	...	8,72,499	3	8
Discount and other charges on New Loan	...	26,250	0	0
(2) Trust Fund Expenditure	...	4,773	12	4
<b>Total—Capital Expenditure</b>	...	<b>9,03,523</b>	<b>0</b>	<b>0</b>
<b>EXPENDITURE—C.—SUSPENSE ACCOUNT</b>				
Advances—Municipal Officers—				
(a) Standing Advances for contingent expenditure	...	2,681	10	0
(b) Motor Cars and Motor Cycles to Officers	...	...		
(c) Dishonoured Cheques	...	741	8	0
Advance for purchase of Plant and Machinery	...	16,000	0	0
Sundries—Miscellaneous Advances	...	2,461	11	9
Imperial Bank of India and other Local Banks Paper and Cash Account—				
Sinking Fund (Paper and Cash) Account	...	1,22,882	6	0
Endowment Fund (Paper and Cash) Account	...	82,833	0	0
Loan Fund (Paper and Cash) Account	...	2,59,897	14	0
Surplus Fund (Paper and Cash) Account	...	3,07,968	12	0
Sundry Deposits (Paper and Cash) Account	...	1,33,34,072	4	6
Deposit Account	...	18,79,321	13	9
Provident Fund Payments	...	22,76,265	4	0
Provident Fund Investments	...	4,52,678	5	0
Cash Bills Outstanding	...	...		
Cheques Payable	...	1,41,85,361	7	10
Wages Deposit Account	...	58,746	10	0
Municipal Contribution Receivable	...	1,16,269	7	7
Municipal Contribution Payable (Refundable)	...	—		
Endowment Fund Account	...	1,000	0	0
Sinking Fund Account Education	...	...		
Education Loan Interest Warrants—Payable Account	...	34,156	2	0
Interest Accrued but not paid	...	...		
Interest Receivable Account	...	93	9	6
Investment of Surplus Monies in Public Securities	...	3,07,968	12	0
Advances from Surplus Monies for financing Capital Expenditure pending raising of Loan	...	1,09,894	7	0
<b>Total—Suspense Expenditure</b>	...	<b>3,35,51,295</b>	<b>0</b>	<b>11</b>

## SUMMARY

Receipts.		Disbursements.
Rs. a. p.		Rs. a. p.
6,27,607 2 2	Balance on 1st April 1954—	
1,49,66,695 10 1	A.—Revenue Account ...	1,38,16,321 6 9
15,00,889 10 0	B.—Capital Account ...	9,03,523 0 0
3,15,49,454 11 6	C.—Suspense Account ...	3,35,51,295 0 11
4,80,17,039 15 7	*Balance on 31st March 1955 ...	4,82,71,139 7 8
		3,73,507 10 1
4,86,44,647 1 9	Total	Total ... 4,86,44,647 1 9
<b>Bank's Reconciliation—</b>		Rs. a. p.
*Balance as per Bank's Pass Book		4,42,257 8 2
<i>Add</i> —Revenue sent to the Bank on 31st March 1955 but acknowledged 2nd April 1955.		17,744 8 0
<i>Less</i> —Uncashed cheques		4,60,002 0 2
		99,905 10 4
Balance as per Day Book (Col. No. 10)		3,60,096 5 10
Balance in Office in Government Promissory Notes etc.		Rs. a. p.
Balance in Office in Cash		13,411 4 3
		13,411 4 3
		3,73,507 10 1

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## APPENDIX No. 41

## EDUCATION FUND

*Comparison of Face, Purchase and Market Values at 31st March 1955  
of the different Securities held in the Sinking Fund*

Particulars of Securities	Face value	Purchase rate per cent.	Book Value		Market rate per cent.	Value at Market Rate (Municipal Debentures being valued at par)	
	Rs.	Rs.	Rs.	a. p.	Rs.	Rs.	a. p.
4 per cent. Municipal Debentures ...	1,23,500	99½	1,22,573	12 0	Par	1,23,500	0 0
3 per cent. Conversion Loan, 1946 ...	400	82½	330	0 0	80 10	322	8 0
3 per cent 1st Development Loan 1970-75 ...	300	87½	261	9 0	86 15	260	13 0
<b>Total ...</b>	<b>1,24,200</b>		<b>1,23,165</b>	<b>5 0</b>		<b>1,24,083</b>	<b>5 0</b>

**T. V. DORAISWAMY,**  
*Chief Accountant*

**P. R. NAYAK,**  
*Municipal Commissioner.*

**APPENDIX No. 41-A**  
**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 1955.*

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 4½ per cent. Loan (1955-60)	1,000 200	Par Par	1,000 0 0 200 0 0
3	Bai Gulabbai H. Shah Memorial Committee	"Bai Gulabbai Haribhai Shah Prize" at Gujarati Schools	{ 3 per cent. 1st Development Loan 1970-75 3 per cent. Conversion Loan 1946	300 900	87 3 Par	261 9 0 900 0 0
4	Bai Kashibai Itchhashankar Joshi	... "Bai Kashibai Itchhashankar Joshi Prizes" at Bhuleshwar Gujarati Girls' School.	{ 3 per cent. 1st Development Loan 1970-75 3 per cent. Non-terminable Loan 1896-97	300 1,300	87 3 ...	261 9 0 1,202 0 0
5	Mr. Mathuradas Tricumdass and Sheth Vithaldas Damodar Govindjee, Trustees.	"Bai Nandubai d/o Ruttansey Raghavji alias Bai Gunvantibai w/o Chhabildas Chutarbhuj 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 laharies at Bhuleshwar Gujarati Girls' School.	{ 3 per cent. Conversion Loan 1946 3½ per cent. Bombay Municipal Debentures 1947	2,500 500	Par 99 4	2,500 0 0 496 4 0
7	Dr. Blaney Memorial Fund	... "Dr. Blaney Prize"	{ 3 per cent. 1st Development Loan 1970-75 do. 4½ per cent. Loan (1955-60)	1,100 400 200	98 8½ 87 3 Par	1,083 13 6 348 12 0 200 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.	{ 4 per cent. Bombay Municipal Debentures 1954 3 per cent. 1st Development Loan 1970-75 3 per cent. Conversion Loan 1946	3,500 300 1,900	99 12 87 3 Par	3,491 4 0 261 9 0 1,900 0 0
9	Harkisondas Brijlal Memorial Committee.	"Harkisondas Brijlal Prize" at Buddiwardhak. Gujarati Boys' School	{ 3 per cent. Conversion Loan 1946 4½ per cent. Loan (1955-60)	500 100	Par Par	500 0 0 100 0 0
10	The Anjaria Memorial Fund Committee	... "Himatlal Ganeshji Anjaria Scholarship" to teachers under training	{ 3 per cent. 1st Development Loan 1970-75 3 per cent. Conversion Loan 1946	100 1,200	87 3 Par	87 3 0 1,200 0 0
11	Messrs. Jairajbhoy Peerbhoy and Noormahomed Jairajbhoy Peerbhoy.	"Jairajbhoy Peerbhoy Gujarati Girls' School Fund"	{ 3 per cent. 1st Development Loan 1970-75 4½ per cent. Loan (1955-60)	500 2,400	87 3 Par	435 15 0 2,400 0 0
12	Executors of the will of the late Premji.	"Jeshtaram Premji School Trust Fund"	{ 3 per cent. Conversion Loan 3 per cent. Conversion Loan 1946	15,000 9,100	Par Par	15,000 0 0 9,100 0 0
13	Bai Jivkore Lallubhai	... "Bai Jivkore Lallubhai Scholarship and Prizes" at S. S. Bengalee Gujarati Girls' School.	{ 4 per cent. Bombay Municipal Debentures (180 lacs) 1954-64. 4 per cent. Bombay Port Trust Bonds (1913) 2½ per cent. Govt. Loan 1961 3 per cent. Conversion Loan 1946 11 Ordinary shares of Rs. 500 each in Commercial Ahmedabad Mills Co. Ltd. 3½ per cent. Bombay Municipal Debentures, 1977 3% Conversion Loan 1946	4,000 500 400 5,400 5,500 2,500 1,600	99 12 116 0 98 14 100 4 Par 87 2 82 8	3,990 0 0 580 0 0 395 8 0 5,413 8 0 5,500 0 0 2,178 2 0 1,320 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	500	98 2	490 10 0
		{ 3 per cent. Bombay Municipal Debentures Rep. 1977	100	87 3	87 3 0
15	Lord Hardinge Birth day Celebration Committee.	... "Lady Hardinge Prize" at Municipal Schools	1,200	98 8½	1,182 6 0
		{ 3 per cent. 1st Development Loan (1970-75)	500	87 3	435 15 0
		{ 4½ per cent. Loan (1955-60)	400	Par	400 0 0
16	The Limaye Satkar Mandal	... "Limaye Prize" at Municipal Marathi Schools	500	Par	500 0 0
		{ 3 per cent. Conversion Loan 1946	100	87 3	87 3 0
17	Mr. Bhagwandas Madhavdas Raghunathdas	... "Madhavdas Raghunathdas Prize" to girls of S. S. Bengali Gujarati Girls' School.	500	Par	500 0 0
		{ 3 per cent. Conversion Loan 1946	100	87 3	87 3 0
		{ 3 per cent. 1st Development Loan 1970-75	100	87 3	87 3 0
18	Bai Janabai Rokde	... "Madhavrao Rokde Free School Endowment and Trust Fund"	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
		{ 3 per cent. Conversion Loan 1946	100	82 8	82 8 0
					*8 4 0
19	Ratanee Mulji	... "Manekbai Ratansi Mulji Prize" at Ratansi Mulji Gujarati Boys' School	1,000	Par	1,000 0 0
		{ 4 per cent. Bombay Port Trust Bonds	300	87 3	261 9 0
20	Municipal Gulabbai Central Gujarati Girls' School Diamond Jubilee Memorial Committee.	... "Municipal Gulabbai Central Gujarati Kanyashala Diamond Jubilee Memorial Fund" for imparting education in tailoring, cutting and sewing.	5,200	Par	5,200 0 0
		{ 3 per cent. 1st Development Loan 1970-75	300	87 3	261 9 0
		{ 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.	2,500	Par	2,500 0 0
		{ 4 per cent. Bombay Port Trust Bonds	300	Par	300 0 0
		{ 4½ per cent. Loan (1955-60)	200	87 3	174 6 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.	23,000	Par	23,000 0 0
		{ 3 per cent. 1st Development Loan 1970-75	200	87 3	174 6 0
		{ 3 per cent. Conversion Loan 1946	23,000	Par	23,000 0 0
23	Gujarati Teachers Association	... "Prof. N. G. Welinkar Prizes" to Pupils of Gujarati Schools	100	Par	100 0 0
		{ 4½ per cent. Loan (1955-60)	1,000	94 5	943 2 0
		{ 3 per cent. Conversion Loan 1946	300	87-3	261 9 0
24	Executors of the Estate of the late Mr. Nowrojee Sorabjee Bengalee J. P.	... "Nowrojee Sorabjee Bengalee Prize" at S. S. Bengalee Municipal School	2,000	Par	2,000 0 0
		{ 3 per cent. 1st Development Loan 1970-75	300	87 3	261 9 0
		{ 3 per cent. Conversion Loan 1946	2,000	Par	2,000 0 0
25	Jagjivan Raisy Raja Nephew of Paramand Raja	... "The Paramanand Raja Endowment Fund"	13,800	Par	13,800 0 0
		{ 3 per cent. Conversion Loan 1946	13,800	Par	13,800 0 0
26	Parwatibai Dwarkadas Tribhuvandas	... "Bai Parwatibai Dwarkadas Prize" at Bhulehwar Gujarati Girls' School...	200	Par	200 0 0
		{ 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"	6,500	Par	6,500 0 0
		{ 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 School.	17,000	99 12	16,957 8 0
		{ 4 per cent. Bombay Municipal Debenture 1954-64 (180 Lakhs)	1,000	Par	1,000 0 0
		{ 3 per cent. Conversion Loan 1946	8,500	87 2 0	7,405 10 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.	10,000	Par	10,000 0 0
		{ 4 per cent. Bombay Port Trust Bonds	10,000	Par	10,000 0 0

\* Represents balance in Cash with the Imperial Bank of India



APPENDIX No. 41A—(concl'd).  
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 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
			3 per cent. 1st Development Loan 1970-75	200	87 3	174 6 0
33	Kashalkar Satkar Committee	... "Shantabai Kashalkar Prizes" at Municipal Marathi Schools	2½ per cent. Loan 1961	400	99 0	396 0 0
						4 0 0*
34	Sheth Dwarkadas Tribhuvandas, J.P.	... "Sheth Dwarkadas Tribhuvandas J.P., Garba Party Lahani Trust Fund" at Bhuleshwar Gujarati Girls' Schools	4 per cent. Bombay Municipal Debentures (180 lacs) 1954-64	3,000	99 12	2,992 8 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
			3 per cent. 1st Development Loan 1970-75	300	87 3	261 9 0
35	Sheth Dwarkadas Tribhuvandas, J.P.	... "Sheth Dwarkadas Tribhuvandas Prizes" at Walkeshwar group of schools	4 per cent. Bombay Municipal Debentures (180 lacs) 1954-64	3,000	99 12	2,992 8 0
			4½ per cent. Ghatkopar Kirol Debentures	500	Par	500 0 0
			3 per cent. 1st Development Loan 1970-75	200	87 3	174 6 0
			3 per cent. Conversion Loan 1946	100	97 10	97 10 0
36	Teachers and Pupils of the Municipal S.S. Bengali Gujarati Girls' School.	"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
						2 6 0*
37	Mr. Virji Peraj, Managing Trustee of the Peraj Padamsi Lohana Girls' School.	"The Thakkar Peraj Padamsi Lohana Kanyashala Trust and Endowment Fund."	4 per cent. Bombay Municipal Debentures (180 Lacs) 1954-64	8,000	99 12	7,980 0 0
						20 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
			3 per cent. Development Loan 1970-75	300	87 3	251 9 0
39	Vishnupant Pagnis Satkar Samiti Bombay	... "Vishnupant Pagnis Prizes"	3 per cent. Conversion Loan 1946	1,500	Par	1,500 0 0
			3 per cent. 1st Development Loan 1970-75	300	87 3	261 9 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
			4 per cent. Bombay Municipal Debentures 180 lacs 1954-64	1,000	99 12	997 8 0
41	Mr. Lalubhai Trimbakram, Executor of the Will of Bai Matubai Ratansi Dhanji.	"Matubai Ratansi Dhanji Gujarati School Endowment Fund"	3½ per cent. Bombay Municipal Debentures 1977	50,000	Par	50,000 0 0
42	Smt. S. Dallas	... "Dallas Fund" Monetary 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 Nowroji Poor Boys Seminary.	Donation for the promotion of Education among the masses	3 per cent. Conversion Loan, 1946	8,000	Par	8,000 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
			3 per cent. 1st Development Loan 1970-75	200	87 3	174 6 0
			4 per cent. Bombay Municipal Debentures (180 lacs) 1954-64	500	99 12	498 12 0
46	Messrs. Narayan Ramchandra Deo and Atmaram Ramchandra Deo.	"The Ramchandra Sitaram Deo alias Bal Bhatji Prize Fund"	3 per cent. Conversion Loan, 1946	500	Par	500 0 0
47	Prof. V. G. Rao	... Prof. V. G. Rao's Scheduled Class Scholarships	3 per cent. Conversion Loan, 1946	400	..	400 0 0
48	Smt. Monoramabai Govindrao Kulkarni	... "Manoramabai Govindrao Kulkarni Prize"	3 per cent. Conversion Loan, 1946	300	82 8	247 8 0

49	Diwan Bahadur G. S. Rao	... "Diwan Bahadur G. S. Rao Prize"	... 12 Years, Post Office National Savings Certificates ...	200	Par	200 0 0
50	The Secretary, Municipal Marathi Teachers' fund.	... Shikshak Fund Prizes' to children of Municipal Teachers' from the Marathi side.	... (3½ per cent, Bombay Municipal Debentures (3 per cent, Conversion Loan 1946)	2,500	87	2,175 0 0
51	Executor of the Will of the late Shri D. H. Bondre.	... D. H. Bondre Prizes to backward class students.	... (3½ per cent, Bombay Municipal Debenture 1977 (3 per cent, Conversion Loan 1946	300	82 8	247 8 0
				1,000	87	77 8 0*
				100	82 8	870 0 0
52	Trustees of the late Sheth Laldas Prabhudas Kothari	... Distribution of prizes, sweetmeats etc. to students of Rambhabai School, in the name of Bai Rambhabai Laldas Kothari	... 3 per cent, Conversion Loan 1946	1,700	Par	82 8 0
53	Shri Laldas Jamnadas	... Laldas Jamnadas Prize to the pupil Standing first in fourth Standard Examination from each side by rotation	... 4 per cent, Bombay Municipal Debentures (180 Lakhs) (1954-64)	1,000	99 12	22 8 0*
54	Shri N. V. Bandukwala on behalf of Shri S. Saifuddin owner of Badri Mahal	... Badri Mahal Scholarship to pupil standing first in annual examination of Std. V, of each side by rotation	... 4 per cent. Bombay Municipal debentures (180 lacs) 1954-64	1,000	99 12	997 8 0
						2 8 0*
			<b>Total ...</b>			3,37,149 3 6
			<b>Grand Total ...</b>	<b>3,42,200</b>		323 13 8*
						<b>3,37,473 1 2</b>

\* Represents balance in cash with the Imperial Bank of India.

T. V. DORAISWAMY,  
Chief Accountant.

P. R. NAYAK,  
Municipal Commissioner.

## ASSESSMENT AND COLLECTION

Shri I. N. Mehta, B.A., was in charge of the Department during the year under report.

**Rates of Taxation.**—The rates of taxation on lands and buildings continued to be the same as in the preceding year, *viz.*, general tax (including fire tax) at 17½ per cent, water tax at 3½ per cent. and halalkhor tax at 3 per cent. The tax on vehicles and animals was levied at the maximum rates mentioned in Schedule C of the Bombay Municipal Corporation Act. The rates charged for the supply of water by meter measurement continued to be the same as in the previous year. These rates ranged between annas 12 and Rs. 2-6-0 per 1000 gallons according to the class of properties, the minimum rate being charged to Government and the maximum to the Race Course premises.

**Properties.**—The total number of properties on the 31st March 1955, was 54,527 as shown in Appendix 'A'. Out of these properties, 46,659 were assessed to general tax, 2,021 were exempted from it under Section 143(1)(a) of the Bombay Municipal Corporation Act, 2,115 were not taxed, being very small plots, and 2,607 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(a)(b) of the Bombay Municipal Corporation Act during the year was 1,225.

Properties newly erected, demolished and enlarged during the year numbered, 845, 475 and 874, respectively, the corresponding figures for the year 1953-54 being 858, 780 and 998. The number of single room tenements, double room tenements and flats in the City on the 31st March 1955, was 2,72,820, 69,369 and 48,185, respectively.

**Rateable Value.**—The rateable value of all the properties in the City on the 31st March 1955, was Rs. 24,98,47,735 against Rs. 23,43,85,349 on the 31st March 1954. It worked out to Rs. 107-6-8 per head of population (23,25,945 as per the census of 1951) for the City proper against Rs. 100-12-0 in the preceding year. In 1,075 cases the rateable value was increased by more than Rs. 2,000 each.

**Vehicles and Animals.**—Particulars of vehicles and animals taxed during the year (exclusive of those taxed under the Public Conveyance Act) and those taxed under Public Conveyance Act are given in Appendix 'E' and 'F' respectively.

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 respectively, was compounded for the year 1955-56 at Rs. 100, Rs. 35 and Rs. 6 respectively *vide* Standing Committee Resolution No. 2551, dated the 16th February 1955, for the reason that these vehicles were required to pay the tax for the whole year in advance under Section 198 of the Bombay Municipal Corporation Act instead of quarterly as in the case of the other vehicles.

**Bills.**—The total number of bills in respect of property taxes and wheel tax issued during the year was 1,55,805 and 1,14,232, respectively, of which 1,50,403 and 1,07,487, respectively, were for 1954-55 and 5,402 and 6,745, respectively, for previous years.

*Total demand, collection and outstandings of all the taxes for previous years and for the year 1954-55.*

(Annas and pies omitted. Amount above annas eight is taken as a full rupee and that below annas eight is omitted).

Year.	Particulars.	Outstanding on 1-4-1954.	Amount of bills issued including the amount payable by Government and B.P.T. as contributions drawback admissible during 1954-55.	Gross demand or total issue.	Amount of bills recalled and cancelled and drawback admissible.	Net demand.	Collection in 1954-55.	Percentage of collection to net demand.	Outstandings on 1-4-1955.	Percentage of outstanding to net demand.
Previous years	... Property	... 1,27,25,877	60,11,340	1,87,37,217	26,44,811	1,60,92,406	1,10,15,301	68.45	50,77,105	31.55
1954-55	... Do.	... ..	7,74,72,169	7,74,72,169	98,16,310	6,76,55,859	5,37,14,416	79.39	1,39,41,443	20.61
	Total	... 1,27,25,877	8,34,83,509	9,62,09,386	1,24,61,121	8,37,48,265	6,47,29,717	77.29	1,90,18,548	22.71
Previous years	... Wheel Tax	... 14,55,420	2,21,729	16,77,149	3,14,440	13,62,709	5,85,719	42.98	7,76,990	57.02
1954-55	... Do.	... ..	42,80,994	42,80,994	80,122	42,00,872	33,34,995	79.39	8,65,877	20.61
	Total	... 14,55,420	45,02,723	59,58,143	3,94,562	55,63,581	39,20,714	70.47	16,42,867	29.53
	Grand Total	... 1,41,81,297	8,79,86,232	10,21,67,529	1,28,55,683	8,93,11,846	6,86,50,431	76.87	2,06,61,415	23.13

The percentage of recovery to the total demand during the year was 76.87.

*Total net demand collection and outstandings compared with those for the previous two years.*

Year	Total net demand	Collection	Percentage	Outstanding	Percentage
1954-55	8,93,11,846	6,86,50,431	76.87	2,06,61,415	23.13
1953-54	7,84,75,117	6,42,93,820	81.93	1,41,81,297	18.07
1952-53	7,25,43,427	6,06,34,359	83.58	1,19,09,068	16.42

*Particulars of outstanding:—*

Particulars	Amount outstanding on 31-3-55
	Rs.
1. (a) Government contribution (sum in lieu of general tax under Section 144)	11,04,927
(b) Government property taxes and water charges by measurement	5,01,243
(c) Amount due by the Garrison Engineer and other Government Officers in respect of premises requisitioned etc.	4,46,515
(d) Amount due from the Dy. Custodian of Evacuee property	1,67,744
2. Central Railway	27,435
3. Western Railway	34,902
4. Bombay Port Trust	3,26,191
5. Bombay Municipal Corporation (Improvements)	5,54,541
6. Mills (Textile)	1,45,245
7. Amount issued at the end of the year on account of revision proposals under Section 167 and involved in complaints on account of which the rateable values and taxes had not become final during the year.	91,47,617
8. Amount due by other rate payers as also in respect of properties occupied on flat-ownership basis, owned by Co-operative Societies, in charge of Court Receiver, Official Assignee, etc., and involved in appeal and suits filed or proposed to be filed.	68,97,855
Total ...	2,06,61,415

As regards 1 (a), out of the total outstandings of Rs. 11,04,927, an amount of Rs. 8,39,227 is due in lieu of the general tax payable in respect of the Central Government properties. The Government contends that the amount paid for the period from 1st April 1937 to 31st March 1948 at the enhanced rate should be adjusted against the payment now due. The matter is under correspondence. The balance of Rs. 2,65,700 is payable by the State Government and the payment is expected shortly.

As regards (b) and (c), payment was not made before 31st March 1955 though the demand was pressed.

As regards (d), the Deputy Custodian of Evacuee Property pays as and when the funds permit.

As regards 2, 3 and 4, payment was not made before the 31st March 1955.

As regards 5, the amount awaits adjustment.

As regards 6, the outstanding amount represents the amount of the tax on the difference between the revised and the original rateable values in respect of a few mills which paid the taxes on the original rateable values. As the complaints against the revised values have since been "disposed of, the bills which have been amended are being recovered.

As regards 7, complaints against revised assessment made under Section 167 on account of revision of assessment due to increase in rents from 1st April 1954 as allowed by the Bombay Rents, Hotel and Lodging House Rates Control Act, could not all be investigated before the 31st March 1955, as their number was abnormal and further the investigation of general complaints under Section 162 for the year 1955-56 received between the 20th December 1954 and the 14th January 1955, was also to be completed. Thus the sum of Rs. 91,47,617 was not an effective demand as the bills had to be issued in conformity with the provisions of the Act.

As regards 8, out of Rs. 68,97,855 shown as outstanding, a sum of Rs. 7,81,402 is involved in suits filed or which are being filed and about Rs. 4,71,791 are payable by the Court Receiver and Official Assignee. If these amounts are deducted from the total amount due under this item, the sum to be recovered is reduced to Rs. 56,44,662 which is again inclusive of an amount of Rs. 11,66,867 representing taxes on flats sold on ownership basis. This leaves a balance of Rs. 44,77,795 which is equivalent to 5.01 per cent. of the net demand.

**Miscellaneous Receipts.**—Miscellaneous receipts realised from notices of demand, distress warrants, battaki fees, inspection fees and other items amounted to Rs. 50,554-6-8 against Rs. 31,592-9-0 in the preceding year. The number of notices of demand issued and served and distress warrants issued and executed during the year was 21,814, 18,396, 10,529 and 466, respectively. In a large number of cases, mere attempts to execute 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. 95,986-9-8 against Rs. 98,407-11-0 in the previous year. Rs. 24,816-4-4 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 on properties entitled to such exemption under Sections 143(1-a) (1-b), 144(3) and 145(3) was equivalent to Rs. 30,49,614-11-0 on the 1st April 1955, against Rs. 29,08,889-4-0 during the preceding year. Exemption from payment of general tax in 21 cases was discontinued as the circumstances in which it was allowed had changed and there was no justification for continuing it.

**Drawback and Refund.**—The statements in Appendix 'G' show the particulars of drawback and refund claims dealt with during the year and the preceding two years.

**Complaints and Appeals against rateable values.**—There were 5,355 complaints under Section 167 of the Act against rateable values of Rs. 6,99,27,831 and 1,453 complaints under Section 162 against original rateable values amounting to Rs. 1,45,33,239. They were investigated during the currency of the year. The rateable values were on investigation reduced to Rs. 6,23,32,569 and Rs. 1,43,19,351, respectively. The reduction amounting to Rs. 75,95,262 and Rs. 2,13,888 gives a percentage of 10.86 and 1.47, respectively.

There were 33 appeals against rateable values revised under Section 162(2) of the Bombay Municipal Corporation Act. Of these, 11 were settled out of Court, 1 was decided, 6 were withdrawn, 1 dismissed and 14 were pending.

**Suits.**—13 Suits were filed against rate payers for recovery of taxes against 35 during the preceding year and in 7 cases decrees were obtained.

**Riot Tax.**—The total amount of riot taxes collected during the year comes to Rs. 49,756-1-9.

**The Urban Immoveable Property Tax.**—The rates of taxation continued to be the same as in the preceding year, i.e., 5 per cent. in the case of buildings and lands, the rateable values of which were above Rs. 2,000 in each case, and 2½ per cent. in the case of buildings and lands, the rateable values of which were Rs. 2,000 and below in each case, but not less than Rs. 500. Properties having value of less than Rs. 500 per annum each, continued to be exempted. The arrears of the tax as on the 1st April 1954, were Rs. 30,41,288-9-9 which increased to Rs. 30,49,440-3-9 on account of amendments. Out of this amount, a sum of Rs. 18,70,756-7-9 was collected, leaving a balance of Rs. 11,78,683-12-0 at the close of the year. The demand in respect of the tax for the year 1954-55 was Rs. 1,07,27,882-9-0, collection Rs. 83,26,097-2-3, drawback allowed Rs. 199-4-0, while Rs. 24,01,586-2-9 remained outstanding at the close of the year. The total collection of the Urban Immoveable Property Tax thus amounted to Rs. 1,01,96,853-10-0 during the year under report.

### GENERAL REMARKS

Under Section 10c of the Bombay Rents, Hotel and Lodging House Rates Control Act, 1947 (as amended), landlords were permitted to increase the rents of their premises from 1st April 1954 at the rates prescribed therein. Consequently, the rateable values of about 25,000 properties (against the average number of 2,000 properties per year) were revised from that date under Section 167 of the Bombay Municipal Corporation Act. This work which was very heavy and strenuous and was required to be finished within a short time, was completed by the existing staff of the department by putting extra labour for which it was compensated by granting a duty allowance.

Shri H. S. N. Murti, B.A., LL.B., a retired officer of the Assessment Department, was appointed *vide* Corporation Resolution No. 1051, dated the 21st December 1953, to scrutinize the accounts of the Railway properties (Central and Western) to determine their assessment for the quinquennium 1949-54 as per the direction of the late Shri Justice Rangnekar. He submitted his report and the matter is under correspondence with the Railway Administrations. The question of fixing the assessment for the quinquennium 1954-59 will be taken up when the assessment for the quinquennium 1949-54 is finalised.

The assessment of the B. P. T. properties for the quinquennial period 1944-49 according to Shri Justice Lokur's report is still pending. A representation in this behalf has been made to the Central Government requesting them to expedite the settlement of the assessment. The assessment for the subsequent periods will be worked out when the assessment for the period 1944-49 is finalised.

As regards the Central Government properties, which came into existence on or after 1st April 1937, a representation was made to the Central Government to pass legislation under article 285 of the Constitution so as to make these properties also liable to the levy of general tax. The Central Government have agreed to pay with effect from 1st April 1954 the charges for specific services rendered by local authorities and they have directed the State Government to fix the percentage of such charges payable to different local authorities. The matter is under correspondence with the State Government.

The Central Government have contended that under Article 285 of the Constitution, their properties were not liable to be charged General Tax at a rate higher than that prevailing immediately before the 1st April 1937, and the matter has been referred to the Municipal Solicitors requesting them to take steps to state a case for the High Court's decision. In the meantime, the Central Government have agreed to pay the tax at the enhanced rate from the 1st April 1948.

Tax amounting to Rs. 6,369-4-0, representing a charge on 481 race horses from November 1954, to March 1955, was recovered through the Western India Turf Club as against Rs. 6,476-6-0 during the preceding year.

Tax collected on hand carts and bullock carts for the year 1954-55 amounted to Rs. 86,203-5-0 as against Rs. 73,359-4-0 in the preceding year.

The Standards Officer appointed for the implementation of the recommendations of Messrs. Ibcn Ltd., was gradually effecting retrenchment upto the 31st March 1955, out of 143 posts recommended for retrenchment, 68 were reduced from the department having a personnel of 556 plus 50 Leave Reserves. The gross savings effected upto the 31st March 1955, work out to Rs. 3,97,004-0-0 as against Rs. 2,79,689-0-0 for the previous year.

There was no occasion during the year when the provisions of the Bombay Municipal Servants Act had to be brought into effect.

Both the Indoor and Outdoor staff worked with appreciable zeal and devotion during the year.

I. N. MEHTA,  
Assessor and Collector.

## APPENDIX " A "

## Classification of properties according to user ✓

Serial No.	Particulars	Total No.	Approximate Rateable Value (in lacs of Rupees)
1	Building for residential purposes	36,283	1402.98
2	Buildings for business purposes	3,651	284.44
3	(a) Mills (Textile)	80	147.72
	(b) Mills (Oil & ors.)	112	33.10
4	Factories	969	109.80
5	Petrol Pumps and Service Stations	120	2.45
6	Stables	62	4.39
7	Garages (Separately assessed)	1,286	7.82
8	Godowns	2,105	95.80
9	Docks	8	58.22
10	Religious properties (Temples, Mosques, etc.)	894	11.18
11	Properties occupied for Charitable purposes.	201	6.22
12	Educational Institutions	256	30.64
13	Gymnasia, Play-grounds, etc.	143	5.84
14	Cinema Theatres, Studios etc.	74	26.67
15	Wells, Tanks, Urinals, etc.	623	1.70
16	Markets	76	16.71
17	Quarries	3	.26
18	Salt pans	80	1.26
19	Hospitals and Asylums	95	22.40
20	Lands	1,926	9.92
21	Properties and lands belonging to Government, Railways and Port Trust	5,480	218.96
	<b>Total</b>	<b>54,527</b>	<b>24,98.48</b>

## APPENDIX " B "

## Rateable Value with the gross return of the property taxes.

(IN LAKHS OF RUPEES)

Year	Net rateable value	General Tax		Water tax including water charges by meter measurement		Halalkhor Tax		Total of taxes
		Rate	Return	Rate	Return	Rate	Return	
		Per cent		Per cent		Per cent		
1950-51	2035.42	14½	279.62	3½	133.09	3	57.72	470.43
1951-52	2100.54	„	286.52	„	142.35	„	59.80	488.67
1952-53	2199.09	17½	357.49	„	153.16	„	61.91	572.56
1953-54	2343.85	„	383.10	„	170.77	„	66.17	620.04
1954-55	2498.48	„	421.86	„	181.66	„	73.05	676.57

## APPENDIX "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 on account of demolitions and complaints.	Subsequent enhancement New buildings, enlargement etc.	Final Assessment Rateable Value.	Increase Final difference over the preceding year's assessment.	CLASSIFICATION OF RATEABLE VALUE.	
							Chargeable to General Tax.	Exempted from General Tax under Sec. 143(1) (a) & (b), etc.
1950-51 ...	2013.23	2046.24	85.10	74.28	2035.42	17.94	1895.74	139.68
1951-52 ...	5037.09	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	3014.03	185.06
1953-54 ...	2157.16	2247.75	40.75	136.85	2343.85	144.76	2158.29	185.56
1954-55 ...	2264.33	2343.95	71.51	226.04	2498.48	154.63	2326.67	171.81

## APPENDIX "D"

Classification of Properties according to Rateable Values

Rateable Value	No. of properties
Below 200	7,007
Between 201 to 300	2,737
Between 301 to 400	2,514
Between 401 to 500	2,150
Between 501 to 700	3,436
Between 751 to 1000	2,985
Between 1001 to 1500	4,143
Between 1501 to 2000	3,411
Between 2001 to 5000	9,796
Between 5001 to 10000	5,709
Between 10,001 to 20,000	2,876
Between 20,001 to 30,000	844
Between 30,001 to 40,000	372
Between 40,001 to 50,000	211
Between 50,001 to 1,00,000	333
Between 1,00,001 to 1,50,000	98
Between 1,50,001 to 2,00,000	42
Between 2,00,001 to 2,50,000	29
Between 2,50,001 to 3,00,000	11
Between 3,00,001 to 3,50,000	8
Rs. 3,50,001 and above	15
Total	48,727

These figures do not include properties belonging to the Bombay Port Trust and Railways, assessed in lump.



## APPENDIX 'E'

## Vehicles and Animals Taxed

	Rs.
Motor lorries	... 5,340
Motor cars (including 3,034 taxis)	... 24,102
Trolleys	... 6
Trailors	... 62
Motor cycles with side-cars (including 2 Auto rickshaws)	... 159
Motor cycles	... 1,695
Four-wheeled vehicles drawn by animals	... 76
Two-wheeled vehicles drawn by animals	... 532
Hand Carts	... 8,561
Horses	... 528
Ponies	... 72
Bullocks	... 577
Total	... <u>41,710</u>

## APPENDIX 'F'

## Vehicles and animals taxed under the Public Conveyance Act.

Hack Victorias (including 2 horses for each)	... 993
Labour carts (with a pair of bullocks for each)	... 883
Hand carts	... 14
Total	... <u>1,890</u>

## APPENDIX 'G'

## Drawback.

Year	No. of claims received	No. of claims admitted	Percentage	No. of claims rejected	Percentage	Amount of drawback allowed		
						Rs.	a.	p.
1954-55	59	7	11.86	52	88.14	727	14	0
1953-54	56	1	1.79	55	98.21	71	6	0
1952-53	21	2	9.5	19	90.5	115	0	0

## Refund.

Year	No. of claims received	No. of claims admitted	Percent- age	No. of claims rejected	Percent- age	Amount					
						Vacancy		Over-collection		Total	
						Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
1954-55	4,114	2,328	56.59	1,786	43.41	1,48,864	11 0	2,63,994	6 0	4,12,859	1 0
1953-54	3,064	1,984	64.75	1,080	35.25	87,352	0 0	1,62,452	0 0	2,49,803	0 0
1952-53	2,972	2,377	79.98	595	20.02	1,02,673	0 0	2,47,839	0 0	3,50,512	0 0

# Election and Town Duty Department

## TOWN DUTY SECTION

Shri S. G. Redkar continued to be in charge of the Department throughout the year.

2. The rates of town duties continued to be the same as those in the previous 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:—

	1953-54	1954-55.
	Rs.	Rs.
Gross Collections	93,85,739	93,48,611
Refunds	19,66,545	15,73,372
Net Revenue	74,19,194	77,75,239

4. There was an increase in the net receipts from Grain, Tea and Iron Steel and a decrease from Sugar, Charcoal and Edibles. The consistent decrease in the revenue from Sugar was due to imports by the Central Government without paying Town Duties. The total net revenue, however, showed an increase of over Rs. 3.5 lacs as compared with the preceding year.

5. The total number of claims received during the year was 29,123 and the amount refunded was Rs. 15,73,372 as against 36,608 claims and Rs. 19,66,545 refunded during the preceding year.

6. During the year under report 2,49,999 packages of Sugar and Jagree, 3,43,011 cases of Tea, 3,78,077 cases of Edibles and 52,903 tins and packages of Ghee substitutes, Paper etc., were stamped with Municipal marks as against 6,19,359, 2,99,203, 4,29,210 and 27,096 packages etc., respectively in the preceding year.

7. The fees from stamping sugar etc., bags amounted to Rs. 63,937 against Rs. 83,532 in the preceding year.

8. Town Duties collected by this department on goods coming into the City by roads along Bhandup and Jogeshwari and by other routes amounted to Rs. 7,85,465 as against Rs. 6,03,492 in the preceding year. The town duties on dutiable parcels imported by air amounted to Rs. 10,006 during the year under report as against Rs. 10,174 in the preceding year.

## ELECTION SECTION

In accordance with the provisions of Section 21B of the Bombay Municipal Corporation Act, a Supplementary Election Roll containing 131 names was published on 20th December 1954. Though a notice was published in the authorised newspapers inviting applications for enrolment, 136 applications only were received. Of these, 126 were for fresh enrolment, 9 for correction of names already enrolled and one was redundant as the person concerned was already enrolled. 4 of these applications were rejected as on enquiries it was found that they were not entitled to be enrolled. The applications for corrections in names were admitted. Two more applications were received late and were not considered being time-barred.

During the year there were two By-Elections for filling casual vacancies, the details of which are as under:—

Ward No.	Poll held on.	No. of vacancies.	No. of Candidates contesting the By-Election.	Name of the successful candidate.	Percentage of voting.
6	25-5-1954	1	5	Shri Salebhoy Abdul Kadar	21.78
24	12-10-1954	1	5	Shri Kulkarni Ravindranath Narayan	41.09

The preliminary work in connection with the preparation of a de-novo Municipal Election Roll for the General Elections to take place early in 1956 commenced in January 1955.

S. G. REDKAR,  
Election and Town Duty Officer.

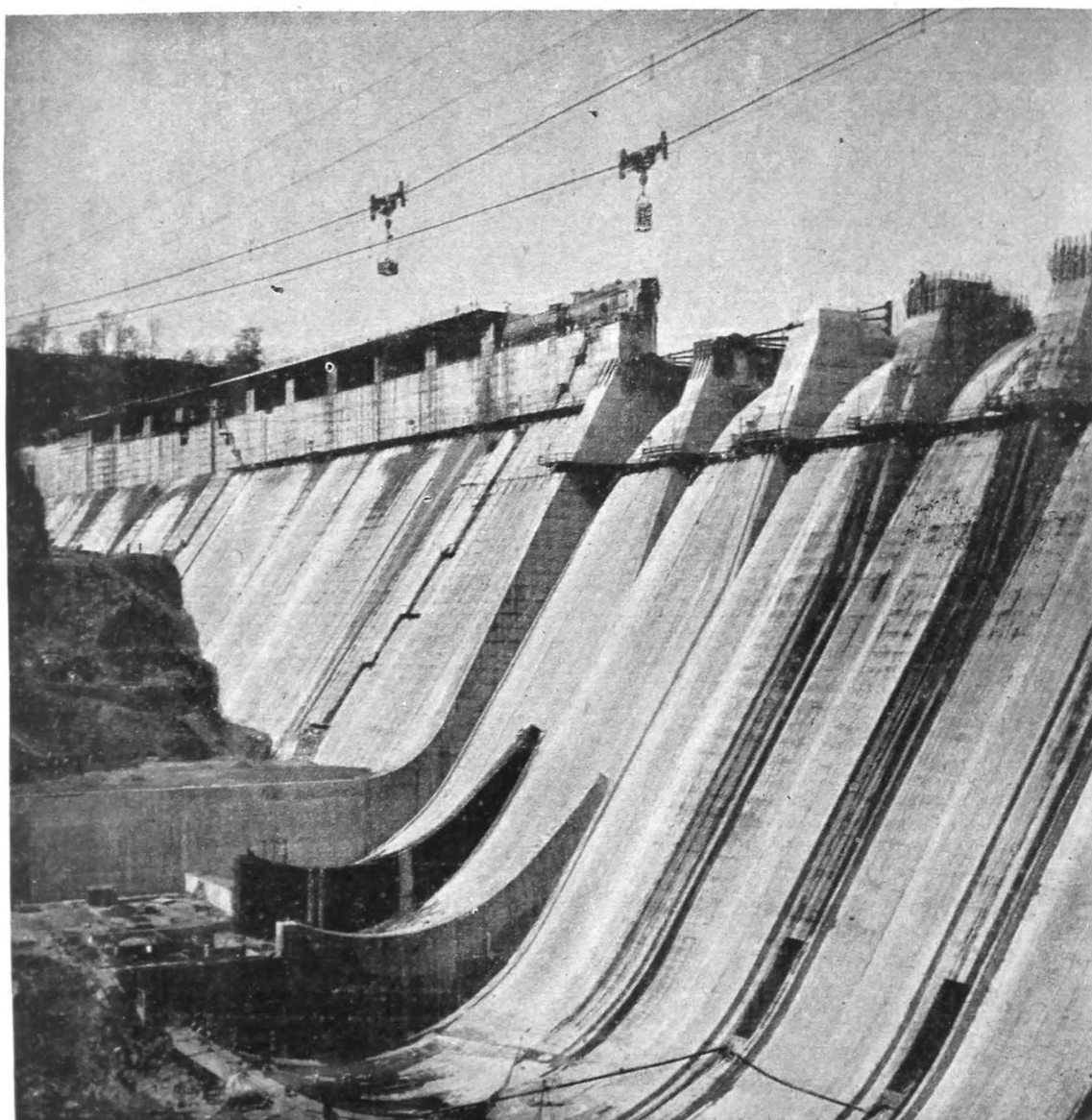
**APPENDIX 'A'**

*Statement showing the Collections, Refunds and Net Revenue from Town Duties for the years 1953-54 and 1954-55.*

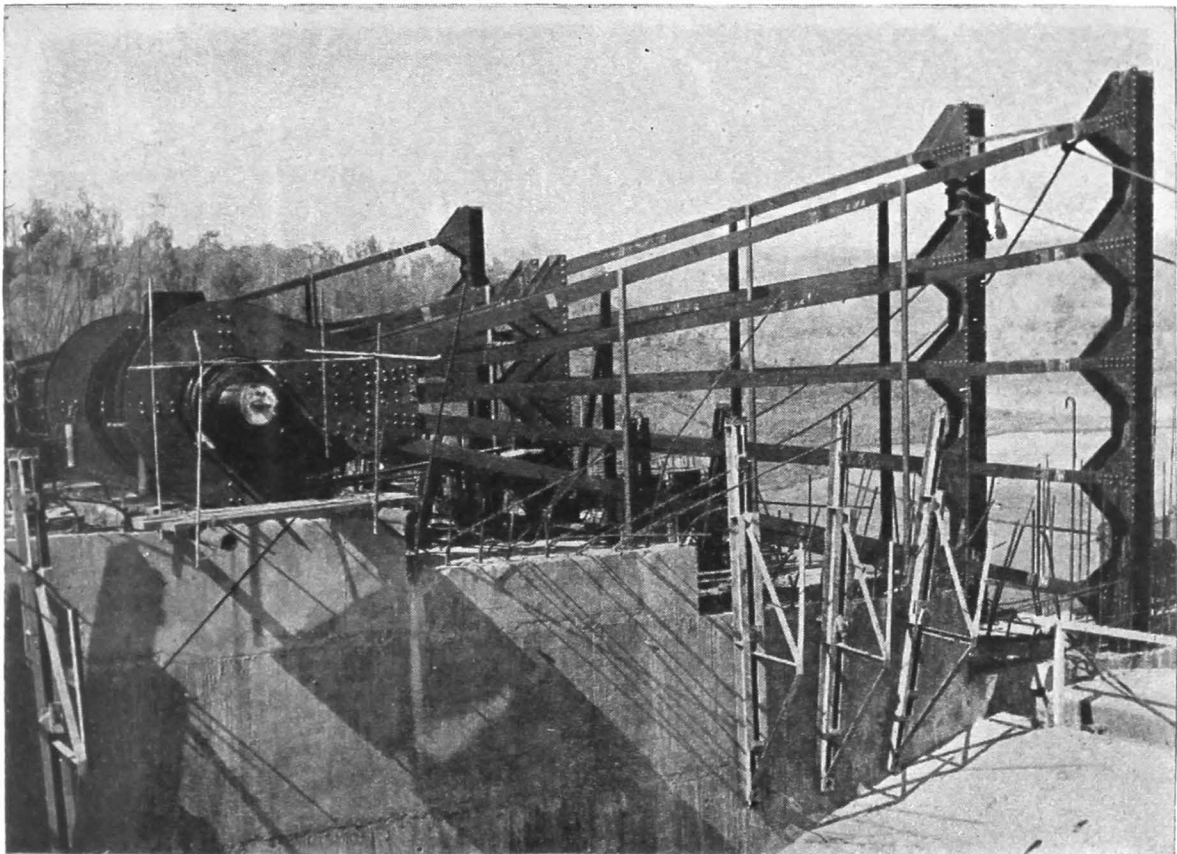
Commodities.	Rates.	COLLECTIONS.				REFUNDS CERTIFIED BY THE TOWN DUTY DEPARTMENT.				NET REVENUE.			
		1953-54.	1954-55.	Increase in 1954-55.	Decrease in 1954-55.	1953-54.	1954-55.	Increase in 1954-55.	Decrease in 1954-55.	1953-54.	1954-55.	Increase in 1954-55.	Decrease in 1954-55.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Grain	... At 2 As. per Maund	19,32,421	21,42,288	2,09,867	...	5,10,461	2,90,664	...	2,19,797	13,35,794	17,80,947	4,45,153	...
Flour	... At 1½ As. per Maund	7,160	1,875	...	5,285	93,326	72,552	...	20,774	...	...	...	...
Sugar	... At 12 As. per Cwt.	12,70,876	7,37,977	...	5,32,899	3,58,511	1,43,914	...	2,14,597	9,12,365	5,94,063	...	3,18,302
Wines and Spirits	... At Re. 1 per Imperial Gallon	2,56,198	2,01,133	...	55,065	24,905	26,774	1,869	...	2,31,293	1,74,359	...	56,934
Beer	... At 2 As. per Imperial Gallon	49,628	48,878	...	750	20,415	19,656	...	759	29,213	29,222	9	...
Ghee	... At Re. 1 per Qr.	4,78,487	4,08,708	...	69,779	281	129	...	152	4,78,206	4,08,579	...	69,627
Ghee Substitutes	... At As. 8 per Qr.	15,517	34,872	19,355	...	5,893	10,818	4,925	...	9,624	24,054	14,430	...
Timber and Plywood	... At 3% on the Market Value	7,03,232	7,30,386	27,154	...	27,938	9,524	...	18,414	6,73,294	7,20,862	45,568	...
Firewood	... At 9 As. per Ton	49,091	56,891	7,800	...	...	...	...	...	49,091	56,891	7,800	...
Charcoal	... At Re. 1 per Ton	2,16,490	1,33,622	...	82,868	...	...	...	...	2,16,490	1,33,622	...	82,868
Tea	... At 6 Pies per Lb.	6,88,426	7,52,457	64,031	...	2,25,542	2,02,943	...	22,599	4,62,884	5,49,514	86,630	...
Coal	... At 7 As. per Ton	66,990	70,974	3,984	...	1,753	294	...	1,463	65,235	70,680	5,445	...
Dates, (Dry)	... At 6 As. per Cwt.	80,548	73,953	...	6,595	...	...	...	...	80,548	73,953	...	6,595
Dates, (Wet)	... At 4 As. per Cwt.	1,21,449	98,932	...	22,517	...	...	...	...	1,21,449	98,932	...	22,517
Cement	... At Re. 1 per Ton	1,84,543	1,78,370	...	6,173	24	876	852	...	1,84,519	1,77,494	...	7,025
Iron and Steel	... At Rs. 2½ per Ton	6,54,398	10,03,781	3,49,383	...	10,619	18,197	7,578	...	6,43,729	9,85,584	3,41,805	...
Paper—													
(a) News Print	... At 5 As. per Cwt.	1,68,718	1,56,401	...	12,317	6,543	4,290	...	2,253	1,62,175	1,52,111	...	10,064
(b) For Cards etc.	... At Re. 1 per Cwt.	47,683	54,696	7,013	...	236	63	...	173	47,447	54,633	7,186	...
(c) Straw Boards	... At 3 As. per Cwt.	31,412	32,054	642	...	...	2,061	2,061	...	31,412	29,993	...	1,419
Edibles	... At 6¼% and 3¼% Advalorem	23,09,719	20,90,675	...	2,19,044	7,09,383	7,00,131	...	9,252	16,00,336	13,90,544	...	2,09,792
Commodities not accounted for		52,823	3,39,998	2,87,175	...	...	...	...	...	52,823	3,39,998	2,87,175	...
Miscellaneous	...	-70	-310	-240	...	...	...	...	...	70	-310	-240	...
<b>Total</b>		<b>93,85,739</b>	<b>93,48,611</b>	<b>9,76,164</b>	<b>10,13,292</b>	<b>19,95,832</b>	<b>15,02,886*</b>	<b>17,265</b>	<b>5,10,231</b>	<b>73,89,907</b>	<b>78,45,725</b>	<b>12,40,961</b>	<b>7,85,143</b>

\* This represents the refund passed by this Department during the year under reference, whereas total refunds paid by the Chief Accountant amounted to Rs. 15,73,372 including previous year's claims.

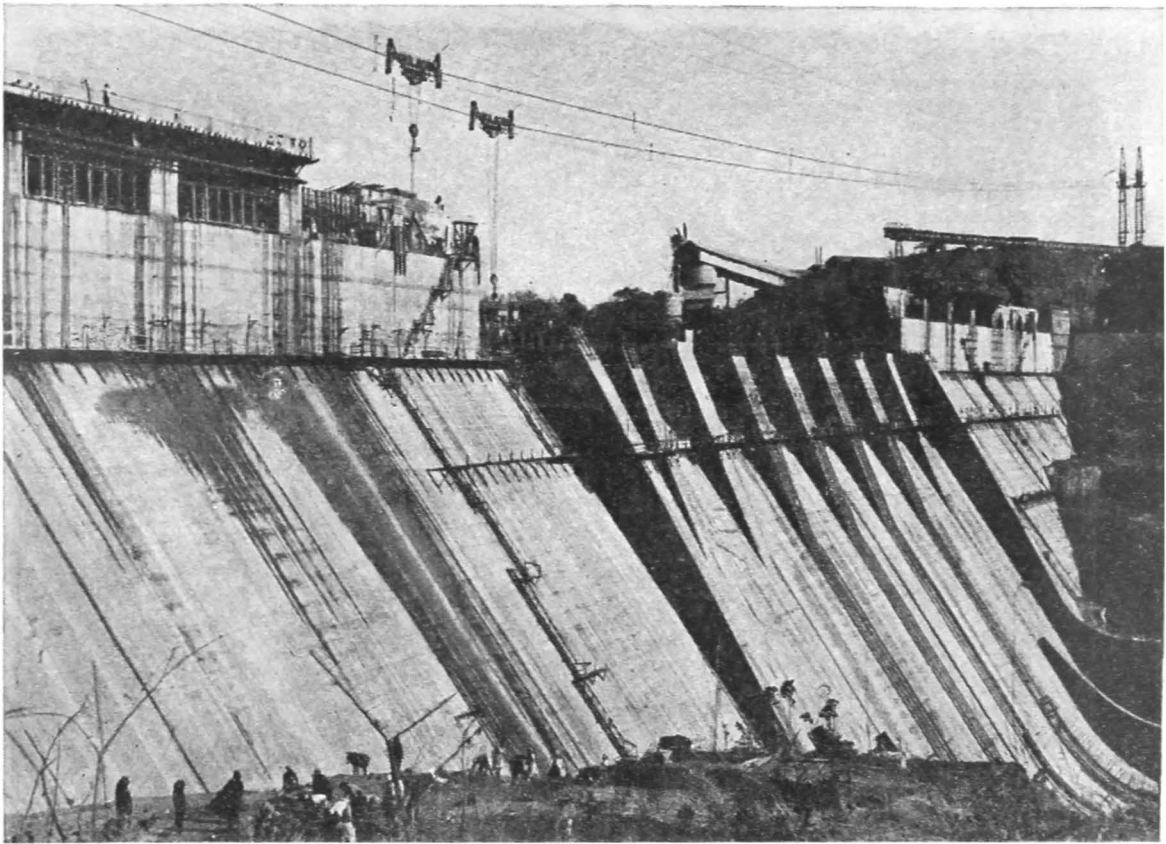
S. G. REDKAR  
Election and Town Duty Officer.



*Down Stream View of the Dam from Left Bank*



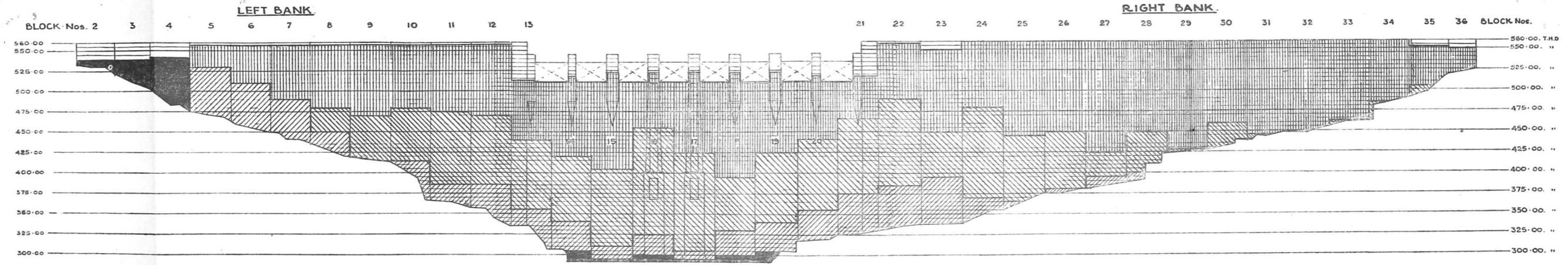
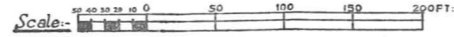
*Erection of anchorages and trunnion pins for the Crest Gates*



*Down Stream View of the Dam from Right Bank.*

# VAITARNA DAM.

APPENDIX - A.



LONGITUDINAL SECTION - UPSTREAM VIEW.

NOTE:-

- |  |  |
|--|--|
| CONCRETE LAID UP TO 12-6-52. SHOWN THUS -----                                      | APPROXIMATE QUANTITY - 6,28,000 cu.ft. |
| CONCRETE LAID FROM 15-10-52 TO 31-3-53 SHOWN THUS --                               | 41,14,000 "                            |
| CONCRETE LAID FROM 1-4-53 TO 31-3-54. EXCLUDING THE MONSOON MONTHS SHOWN THUS ---- | 90,86,300 "                            |
| CONCRETE LAID FROM 1-4-54 TO 31-3-55 EXCLUDING THE MONSOON MONTHS SHOWN THUS ----  | 55,71,700 "                            |

BOMBAY MUNICIPALITY.  
VAITARNA-CUM-TANSA SCHEME.  
TITLE: PROGRESS OF CONCRETING.  
DRAWN BY: P.G.P. | CHECKED BY: H.L.P. | DRAWING No. VT/DT/1068 OF 23-4-54

*Shankar P.R.S.*  
A.E.(C) C.E.(D) 27/4/54

# VAITARNA-CUM-TANSA SCHEME

## MAJOR WORKS IN PROGRESS

### VAITARNA DAM

*Excavation.*—The work of opening the foundations of the Dam, Guide Walls and Aprons, etc., was continued and about 10,40,000 Cu. ft. of earth and murum and 5,30,000 Cu. ft. of rock were excavated. The work was completed.

*Drilling and Grouting.*—The work of providing a grout curtain at the upstream face of the Dam was carried out by drilling  $1\frac{3}{4}$ " dia. holes along the length of the Dam through the foundation gallery (maximum depth being 100 ft.) and grouting the same with cement at 150 lbs. per sq. inch. The total depth of such holes drilled and grouted during the year was 10,200 R.ft.

*Concreting.*—55,71,700 Cu. ft. of cooled concrete was laid during the year. The maximum quantity of concrete placed on any one day was about 56,200 Cu. ft. and during any one month 11,80,000 cu. ft. The total work done upto 31st March 1955 was about 194,00,000 cu. ft. *vide* Appendix 'A'.

*Instruments in the body of the Dam.*—In order to study the temperature gradients, 7 thermometers were installed in the body of the Dam during this year. The total number of instruments embedded in the Dam was 94.

*Under-slucices.*—(1) *Main Gates.*—Both the gates were assembled and erected at site.

(2) *Emergency Gate.*—Built-in parts were fixed upto R.L. 450.00 T.H.D. and the gate was received at site.

*Crest Gates.*—The work of supplying, erecting and setting to work four Electrically operated and four Buoyancy operated Tainter Gates with their appurtenances, was sanctioned by the Corporation under their Resolution No. 1556, dated the 30th March 1953. The contract for the work is held by Messrs. Duncan Stratton & Co. Ltd. Built-in part, such as Anchorages, Trunnion pins, etc., for all the eight gates were received at site and anchorages of two electrically-operated gates were erected, lined and levelled. One proto-type gate, each electrically and buoyancy operated was received in Bombay by the Contractors. (Two photographs illustrating the dam work are attached).

*Concrete Testing Laboratory.*—The use of the Class "A-1" Concrete (*viz.*,  $11\frac{1}{2}$  cwts. of cement for 100 cu. ft. of mixed concrete) was continued throughout the year for the main body of the dam with very satisfactory results.

The work in the Laboratory was mainly concentrated on keeping a day-to-day control on the quality of concrete laid. This was achieved as under:—

#### *Control of Materials.*

*Cement.*—Cement samples were taken twice a day from the Batching and Mixing Plant and tested as per B.S.S. No. 12/1947. The results of these tests were found to be satisfactory, no sample falling short of requirements.

*Aggregates.*—Samples were taken twice a day for the various aggregates. These samples were taken from the end of the cooling tunnel, which was the nearest point, before the aggregates were batched and mixed. After sieving the various aggregates, the grading of each type of aggregate was determined and the combined grading was maintained within permissible limits by effecting the necessary adjustments as and when necessary.

#### *Control at the Batching and Mixing Plant.*

*Checking of Scales.*—All the scales were verified every day before starting the work and one scale in turn was checked in detail every day for its accuracy, thus keeping a close check on the accuracy of the weighing scales.

*Control of Water.*—Moisture contents in the cooled aggregates were determined every day and from the results obtained, the amount of water to be added was adjusted.

*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 to 167 lbs per cubic foot as against 150 lbs. per cubic foot assumed in the design.

*Crushing Strength of concrete.*—Specimen cylinders of 6" dia. by 12" high were cast and capped at site. The specimens were then transported to the Laboratory for final curing and tested for compressive strengths at 7 and 28 days. The average compressive strengths for class "A-1" concrete was 3,700 lbs. per sq. inch for 28 days as against the required crushing strength of 2,250 lbs. per sq. inch.

*Other Works carried out in the Concrete Laboratory.*—55 Cement samples received from the Controller of Stores, 13 samples from Tansa Strengthening works and 6 samples from the Embankment and pipe line works, were tested and reports submitted.

831 Nos. 6"×6"×6" concrete cubes received from the Embankment and Pipe line section were tested for compressive strengths.



## Power House

The Municipal owned Power House of a 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 following statement shows the electrical units generated and supplied to various consumers, fuel and lubricating oil consumed, and other relevant data.

	Till 31-3-1954	From 1-4-54 to 31-3-1955	Till 31-3-1955
Units generated (KWH) ...	1,11,32,753	47,00,582	1,58,33,335
Engine hours run ...	29,226	13,091	42,317
Fuel oil consumed ...	7,59,073	3,09,690	10,68,763
Fuel oil consumption lbs. per (KWH) ...	0.587	0.565	0.579
Lubricating oil consumed ...	19,138	7,887 (New) 1,570 (filtered)	8,595
Lubricating oil consumption lbs. per hour ...	5.89	9,457 6.51	6.06
Concrete laid (in Cu. ft) ...	1,38,28,300	55,71,700	1,94,00,000
Units supplied to Messrs. The Hindustan Construction Co. Ltd., for constructional and domestic purposes ...	1,04,07,772	44,72,644	1,48,80,416
Units supplied to Municipal camp, shopping area etc., including line losses ...	7,24,981	2,27,938	9,52,919

During the year the lubricating oil filter worked satisfactorily for 1,478 hours and 6,448 gallons of Lubricating Oil filtered was re-used.

## TUNNELS

The work of driving 10'-0" dia. Horse-Shoe shaped tunnels between Vaitarna and Tansa together with the construction of the Intake Tower and the Bifurcation Chamber was completed on 28th July 1953. The progress of incidental works during the year under report is given below:—

*Laying 126" dia. Pipeline between Tunnel faces Nos. 2-3 and 4-5.*—The work of fabricating and fixing in position the remaining pipes was completed in all respects by the contractors Messrs. Structural Engineering Works, Ltd.

*Intake Tower.*—The main gate was assembled, erected and set to work. The Emergency Gate was assembled and erected at site and was ready for trials. The supply of steel sashes and lever operating arms for the Control Room at the Intake Tower was completed by the contractors Messrs. B. R. Herman & Mohatta (India), Ltd. The work of fixing the same at site was carried out departmentally at a cost of Rs. 3,364.

The work of supplying a Roller Shutter for the Control Room at the Intake Tower was completed by the contractors Messrs. Yahya & Co., and the same was erected at site departmentally at a cost of Rs. 213-5-4.

*Bifurcation Chamber.*—Both the gates were assembled and erected at site. The work of fabricating and supplying M. S. ladders, etc., at the Intake Tower and Bifurcation Chamber was completed by the contractors Messrs. Garlick & Co. Ltd., at a cost of Rs. 5,117.

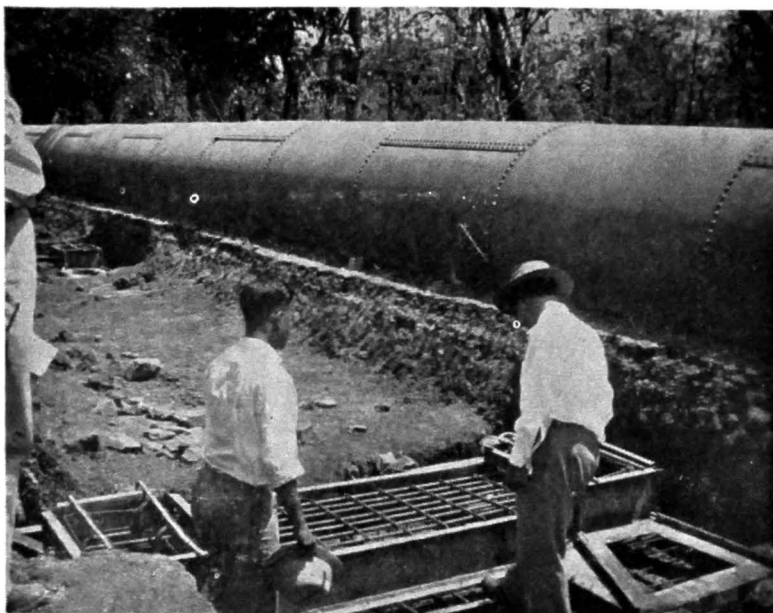
## EMBANKMENT AND PIPELINE

*Embankment Work from Bel Nalla to Tansa.*—The work of formation for laying 120" dia. pipeline and Road from tunnel face No. 6 to Tansa entrusted to Messrs. M. N. Verma Ltd. was continued during the year. The total cost of the work amounted to Rs. 36,81,951.91 as against the contract amount of Rs. 40,59,701-4-0. The work was completed in all respect on 12th June 1954.

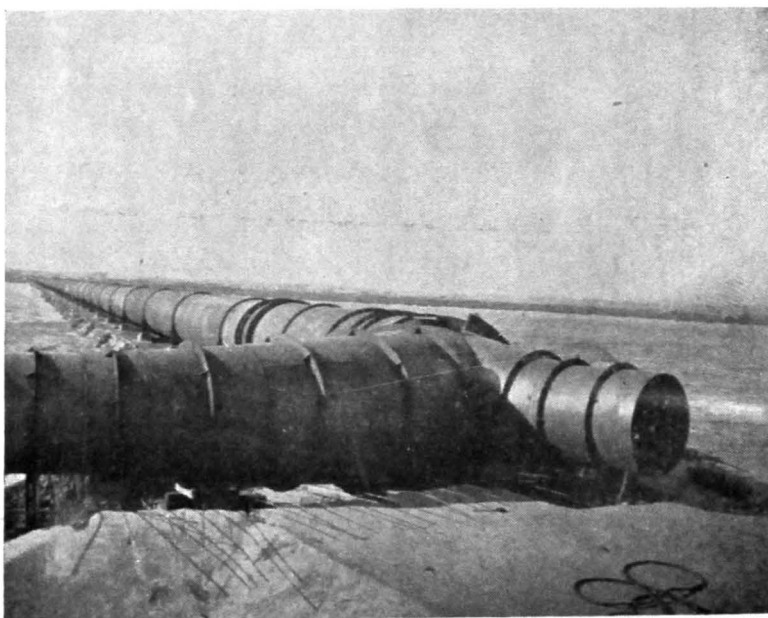
*Fabrication and Laying of Pipelines.*—The contractors Messrs. Structural Engineering Works Ltd. and Hind Constructions Ltd., continued to carry out the work of fabrication and laying pipelines throughout the year under report. Out of a length of about 20 miles of pipeline to be laid under the first stage practically full length was completed. Side by side with the works under the first stage, the work under the second stage was also started and about 5 miles of pipes were fabricated and  $\frac{3}{4}$  mile laid in position.

The estimated cost of the works carried out under the first stage amounted to Rs. 1.26 Crores. The cost of the second stage works completed upto 31st March 1955 was Rs. 4,65,000.

*Supply and Erection of Chlorination Plant at Powai.*—The plant and machinery required for injecting chlorine for sterilising the additional supply that will be brought to the City is to be purchased from Messrs Candy Filters (India), Ltd., at an approximate cost of Rs. 2,14,960 (Vide S.C.R. No. 1706 of 1-12-1954). The construction of the structure for housing the new chlorination House was taken in hand departmentally.



*Inspection of pedestal cage at Jamboli*



*Y- Branch at Dharavi*

*Departmental Works.*—A number of departmental works such as preparing trenches, providing anchor blocks, thrust blocks, cross-connection chambers, pitching, etc., were carried out departmentally in connection with the main pipelaying work. The total cost of all such departmental works is estimated at Rs. 31,75,000. The cost of the work completed during the year under report was about Rs. 10,28,600. Further works were in progress. (2 photographs illustrating the pipelaying works are attached).

### LAND ACQUISITION

Out of the total area of 3,991 acres involving 671 holdings of Private, Inam and Government (Revenue and Forest) lands acquired for the major scheme works, Awards of compensation amounting to Rs. 6,74,555-6-0 in respect of 435 holdings of Private and Inam lands were declared by the Acquiring Officers. The land acquisition Reference filed by the Inamdar of Tembha was decided by the Civil Judge, Thana, and the claimant was awarded an additional compensation of Rs. 2,26,000 against his fantastic claim of Rs. 85 lakhs. The other three references filed by him were also decided by the Civil Judge Thana, and the same were dismissed with costs. Out of the area of 2,051 acres of Reserved Forest lands proposed for acquisition, an area of 202 acres was deforested by the Forest Department. An area of 11 acres and 26 gunthas temporarily acquired in 6 cases for Municipal and Contractors' camps, quarry sites etc., continued to be held in charge.

Out of the area of 35 acres of Private, Government, Railway and Aerodrome lands comprising of 150 holdings acquired for the work of laying 96" dia. pipeline from Powai to Mahim, Awards of compensation amounting to Rs. 13,005-5-0 in respect of 15 holdings of private lands were declared by the Acquiring Officers. Further proceedings were in progress.

### GENERAL

The various amenities provided at the Vaitarna Camp site such as water supply, transport, telephone communication, medical aid, primary school, post and telegraph service, etc., functioned satisfactorily during the year under report.

*Rainfall gauging in the Vaitarna Catchment.*—10 Rain-gauging stations were established in the Vaitarna Catchment and data regarding rainfall was collected. The average rainfall throughout the catchment was about 138 inches.

*Kalu River Gauging.*—River gauging and rainfall recording at the proposed dam site on Kalu River was continued. The cost on this account during the year under report was Rs. 4,562.

*Inaugural Ceremony.*—October 6, 1954 was an eventful day in the history of the Bombay Municipal Corporation. On this day the Vaitarna waters were first transferred to the Tansa Lake. The Inauguration ceremony was performed by the Prime Minister of India Shri Jawaharlal Nehru. Elaborate arrangements were made at Vaitarna for holding the function for which the Corporation allotted a special grant of Rs. 26,000. This event marks a decisive stage in the progress of the Scheme in that it fulfils one of the two objects of the Scheme viz., Stabilisation of the Tansa Lake Supply.

### TOTAL EXPENDITURE

The total expenditure booked upto 31st March 1955 for the various items of the Scheme is given below:—

	Rs.
I.—Survey	93,591
II.—Preliminary Works	20,63,259
III.—Land Acquisition	9,67,203
IV.—Dam and App. works	5,56,12,946
V.—Tunnel and App. works	1,61,77,242
VI.—Laying of pipeline	3,14,66,532
VII.—Quarters	7,07,835
VIII.—Miscellaneous	32,96,363
IX.—Supervision Charges	48,28,062
Total ...	11,52,13,033

### STRENGTHENING OF TANSA DAM

The work of strengthening the Tansa Dam entrusted to Messrs. Patel Engineering Co. Ltd. & The Cementation Co. Ltd., was completed on 20th March 1955. The cost of the work amounted to Rs. 50,93,538.62 against the contract amount of Rs. 58,96,055.00.

N. V. MODAK,  
Special Engineer.

# CITY ENGINEER'S DEPARTMENT

1. Shri K.B. Carnac, B.E. (Civil), M.I.C.E., M.I.E., was in charge of the Department as City Engineer throughout the year.

2. So far as the City organisation is concerned, this Department is divided into the following Branches:-

- I.—Planning.
- II.—Construction.
- III.—Maintenance of Buildings and Roads (Commonly known as 'Maintenance' Branch).
- IV.—Maintenance of Drains and Sewers (Commonly known as 'Drainage' Branch).
- V.—Private Buildings Construction and general control. (Commonly known as 'Buildings' Branch)
- VI.—Mechanical.
- VII.—Transport.
- VIII.—Town Planning Schemes.
- IX.—Factory Permits.

## GENERAL REMARKS

3. The Corporation under their Resolution No. 1756, dated the 7th March 1955 accorded their approval to the proposal to transfer to the City Engineer the Conservancy Branch and the work of collection of refuse and also to create under the City Engineer a new post to be styled as "Public Health Engineer" to look after the activities of 'collection and disposal of refuse', i.e., the Transport and the Drainage Branches. The Head Supervisor with his staff working originally under the Executive Health Officer was accordingly transferred under the City Engineer. The distribution of the technical staff is shown in the Genealogical Table in Appendix X.

4. As regards the Suburbs, a separate report is submitted.

### I.—Planning Branch.

5. This branch looks after the preparation of plans, designs and estimates for all original proposals and is the pivot of the Engineering Department. It is divided into two sections one Section deals with the proposal for building works and layouts for development and is in charge of an Architect; the other section deals with proposals in respect of Roads, Drains and Sewers and is in charge of an Assistant Engineer, 1st Grade. The latter officer also looks after policy questions in respect of "Municipal Housing" and proposals in regard to "Slum Clearance." Some staff in this branch also looks after the Master Plan and its implementation.

6. As it is not possible to equip this branch with adequate staff some of the proposals are framed by the staff of the 'Construction' and 'Maintenance' Branches and grouped together under the report of this Branch.

### A.—Buildings.

7. This section carried out the following work in respect of Municipal buildings during the year under report:—

Plans	... 150 Nos.
Contract drawings	... 119 "
Blueprint copies	... 3,872 "
Paper drawings	... 700 "
Block estimates	... 33 "
Total amount of block estimates	... Rs. 89 lakhs.
Detailed estimates	... 33 Nos.
Total amount of detailed estimates	... Rs. 67 lakhs.
Draft tenders	... 14 Nos.

8. Important activities of this section during the year are described below:—

(1) *Administrative offices—Extension of the Municipal Head Office Building at Cruickshank Road.*

9. When the work on the extension was started during the year, it was decided that the general architectural treatment should be kept in Gothic type as per the existing Head Office Building to create a feeling of harmony with the main office building along Cruickshank Road. Preliminary drawings of the revised elevation were accordingly prepared.

(2) *Schools.*

10. Plans and estimates for following seven school buildings were prepared:

Locality	Cost
	Rs.
(i) Sion, plot Nos. 160-B and 162-A	... 4,21,506
(ii) Suparibaug Road plot Nos. 151-53	... 6,67,100
(iii) Site of ex-Milch cattle stables at the junction of Moreland and Mohamedan Roads...	... 8,38,076
(iv) Site near Elphinstone Road Market	... 6,39,586
(v) Site at junction of Dr. Annie Besant Road and Haires Road	... 5,00,796
(vi) Plot No. 92-C in Town Planning Scheme Bombay City No. II	... 8,88,429
(vii) Plots Nos. 2 and 3 Mahalaxmi Overbridge Estate	... 3,64,620

11. These seven schools will provide 267 class rooms for 12,000 students. With a view to providing a certain measure of uniformity in the design of school buildings, studies of a number of primary school buildings in the City were made and standards were evolved for being placed before the Education Committee for approval. The school building on plot Nos. 160-B to 162-A at Sion which was constructed during the year complies with most of the recommendations made in the report to the Education Committee.

12. Plans and estimates for extensions in the form of additional floors for the following schools were also prepared during the year :—

Locality.	Cost. Rs.
(i) Marathi School at Foras Road additional floor on	... 1,90,330
(ii) Kamathipura School at Sukhalji Street additional floor on	... 3,20,303
(iii) Urdu School, Imamwada additional floor on	... 3,19,540

These extensions will provide 55 additional class rooms for 2,300 students in all.

### (3) Medical Relief

13. (i) *Municipal Group of Hospitals at Sion*.—The layout for permanent development of this Hospital at present housed in temporary structures had been prepared in previous years. Plans for a building estimated to cost Rs. 4,22,634 for office and administrative purposes and another one estimated to cost Rs. 4,40,115 for hospital wards consisting of basement and a ground floor in the first instance were prepared during the year.

(ii) *B. Y. L. Nair Hospital and T. N. M. College*.—As the present site of these institutions is found inadequate to permit proper expansion, it was decided during the year to acquire private lands admeasuring 11.5 acres to the north of the Hospitals. A preliminary layout for the development of the site to be acquired showing the proposed buildings was prepared during the year. Vacant possession of the land earmarked for construction of the new College building is expected to be secured by October 1955.

(iii) *T. N. M. College—Hostel for male Students*.—Plans and estimates amounting to Rs. 5,20,302 were prepared during the year for providing Hostel accommodation for 120 male students at Haji Ali Park, Hornby Vellard.

(iv) *Convalescent Home at Parel*.—In order to ease the pressure on the available beds at K. E. M. Hospital it was considered desirable to provide a Convalescent Home where the convalescent cases from K. E. M. Hospital and other Municipal hospitals could be removed for further treatment. Plans and estimates amounting to Rs. 8,92,305 were accordingly prepared for putting up a convalescent home with accommodation for 120 beds on the Municipal site opposite the Tata Memorial Hospital at Parel. Provision was also made for quarters for nursing and menial staff. A part of the cost of construction will be met from the Hospital Fund.

(v) *Maternity Homes*.—Plans were prepared for a maternity home with 25 beds in the predominantly labour class area at Naigaum Estate on Plot Nos. 185-189 at a cost of Rs. 3,67,635. Staff quarters have also been provided on plot No. 190 in the rear at a cost of Rs. 89,791. There will be a Clinic on the ground floor and a maternity home on the first floor.

### (4) Municipal Housing

14. (i) Plans and estimates were prepared during the year for 156 tenements in two-storeyed buildings on the strip of land along Haystack Road in lieu of the single storeyed tenements approved earlier at a cost of Rs. 6,74,341; Plans and estimates were also prepared for providing Transit Camps to provide transit accommodation for facilitating slum clearance on the site of *ex-milch* cattle stable at Haines Road where 210 tenements will be provided in the proposed Transit Camp at a cost of Rs. 4,84,103.

(ii) *Dormitories*.—The question of providing dormitories for batchelors and single persons staying in the city without their families had been under the consideration of the Corporation for years. It was felt during the year that such dormitories would be useful also to clear the footpaths of pavement-dwellers who resort to footpaths as a night shelter and majority of whom are wage earners, as seen from the survey carried out during the earlier part of the year; Plans and estimates for two dormitories were therefore prepared during year. The proposed dormitory on plots Nos. 9 and 10 in Palton Road Estate near Palton Road estimated to cost Rs. 4,10,854 will provide sleeping accommodation for 351 persons—255 beds in the form of common halls and 96 beds in small cubicles with two beds in each cubicle. Individual lockers will be provided for the safe storage of personal belongings and a restaurant will be allowed on the ground floor; A common assembly hall with a stage will also be provided in the dormitory building itself for the use of the occupants of the dormitory and the residents of the adjoining Municipal chawls. The other dormitory at Naigaum which is to cost Rs. 3,06,200 will provide accommodation for 208 beds in 52 cubicles. Both the dormitories have been designed in such a manner as to facilitate their easy conversion into regular tenements in the event of the dormitory experiment not proving successful.

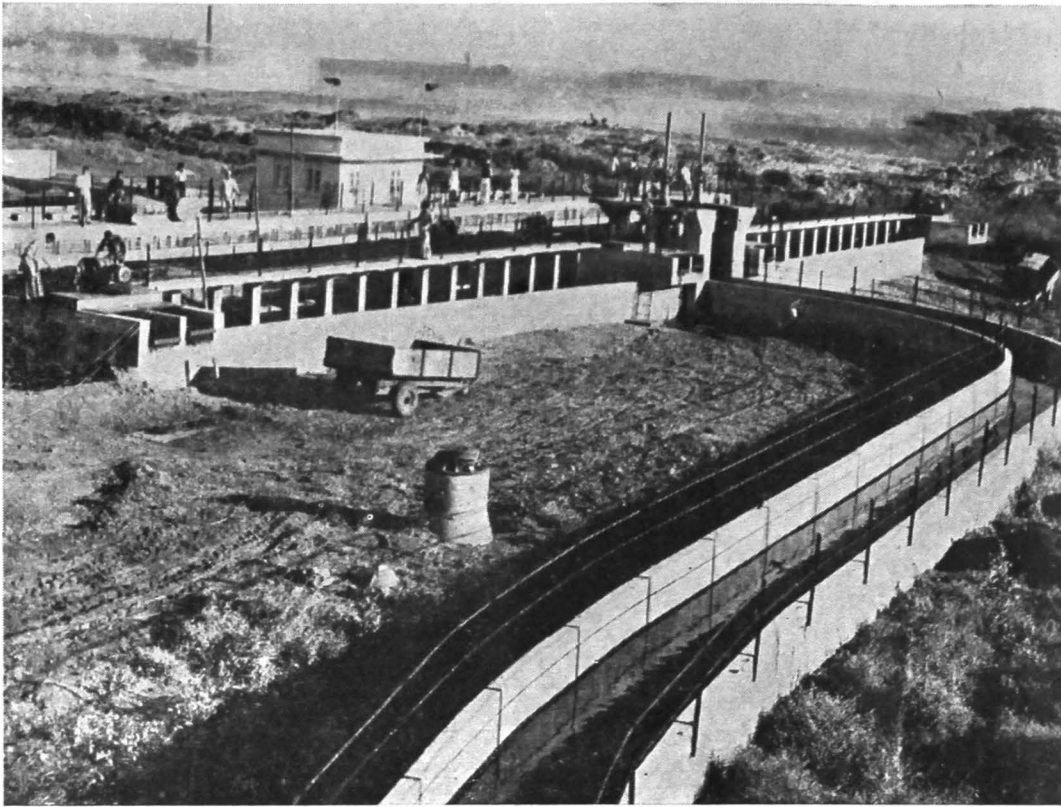
(iii) Plans and estimates amounting to Rs. 4,39,812 were prepared for erecting a four-storeyed building comprising 82 tenements and 26 shops and/or godowns on plots Nos. 11, 12 and 13 in Palton Road Estate where from the old Municipal Patra Sheds forming a 'slum' were cleared during the year.

(iv) Plans were prepared for providing staff quarters for the labour staff of the M. G. H. Sion on a portion of plot No. 290 in Scheme 6—Sion-Koliwada.

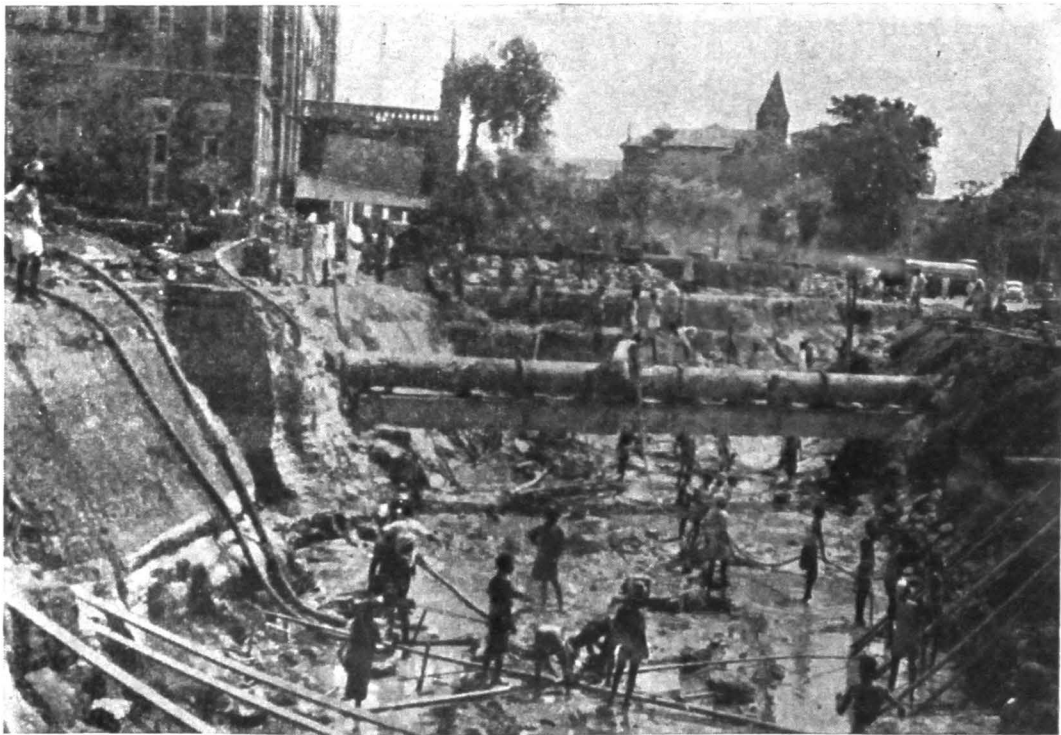
(v) Plans and detailed estimates costing over Rs. 25 lakhs were prepared and got approved by the Corporation for the 420 tenements in multi-storeyed buildings which will replace the 'Patra Sheds' at Mahalaxmi known as Tardeo Flats and occupied by the Conservancy staff. This project is financed from the provision of Rs. 25 lakhs made available from Surplus Cash Balance under the Budget Estimates for the year for the purpose of providing housing for Municipal employees.

### (5) Gardens

15. (i) *Mumbadevi Tank*.—On account of the insanitary conditions created by the stagnant water in the tank, the question of filling up the tank and converting it into a garden had been under the consideration of the Corporation for several years. It was not found feasible to do so mainly on account of religious sentiments. During the year, however, the tank which belonged partly to private owners and partly to the Charity Trust of the Temple on its south bank was bought by Messrs. Neptune Assurance Co., Ltd., and the Municipality stepped in to acquire a part of the land for the purpose of conversion into a garden. The question of the acquisition was under the consideration of the Corporation at the end of the year. A garden on this site will provide a good amenity to the people in the area.



*New Detritus Tank at Lovegrove with the Inlet Channel in the Fore-ground. This work forms first part of the scheme for sewage purification work at Lovegrove*



*PEDESTRIAN SUBWAY ACROSS QUEEN'S ROAD NEAR CHURCHGATE RAILWAY STATION. General view of the open excavation; also shows how the water-main was supported by a long girder. The excavation width at the bottom is 29 ft. with sloping sides*

(ii) *Sion Fort Hill*.—During the year, the Archaeological Department of the Government of India agreed to hand-over on certain terms the hill around the Sion Fort for converting it into a public garden. A contour plan of the area was, therefore, prepared and a tentative layout for the development of the Hill as a garden and a recreation centre was also prepared.

(iii) Estimates were prepared for converting into recreation grounds the sites of the three ex-milch cattle stables acquired by the Municipal Corporation viz: (a) C.S. No. 117, Bhuleshwar, (b) C.S. No. 2056 (part) Byculla, and (c) C.S. No. 187 (part) Parel.

#### (6) Layouts

16. A layout was prepared for the plots Nos. 290-291 in Scheme No. 6 (east) Sion Koliwada, providing for a well-planned redevelopment for rehousing of the refugees and other families at present living in temporary huts and other structures on these plots. Provision has also been made for sites for housing Municipal employees, particularly the labour staff of the Municipal Group of Hospitals, Sion and also for schools, shops, recreation grounds and other amenities. Sanction of the Corporation was obtained during the year to the layout.

#### (7) Cultural Activities

17. (i) *Band Stand at Shivaji Park*.—Plans and estimates were prepared for a Band Stand at the Fore-shore Garden for the residents of Mahim area.

(ii) *Kirti Stambha at Gowalia Tank Maidan*.—At the request of the Chairman, Gandhi Smarak Nidhi, a plan was prepared for the Stambha. The Stambha will consist of an octagonal column at the base with one bull (Nandi) at the top.

(iii) *Open air Theatre at Victoria Gardens*.—For holding programmes such as dramas, music, tamashas, etc, for the masses, a scheme for an open-air theatre at Victoria Gardens was prepared. The State Government has offered a donation of Rs. 25,000 towards the project, the balance being provided by the Corporation. The cost is likely to be Rs. 1,12,010.

18. Appendix A-1 shows the Building works for which plans, designs and cubage or detailed estimates were prepared during the year.

#### (B) Roads, Drains and Sewers

19. The particular works done by this section during the year are as under—  
Plans :—

Paper tracings	... 223 Nos.
Cloth tracings	... 23 Nos.
Contract drawings	... 39 Nos.
Blue print copies	... 2711 copies.
New estimates	... 110 Nos.
Total amount of new estimates.	Rs. 75 lakhs.
Revised estimates	... 14 Nos.
Total amount of revised estimates	... Rs. 6 lakhs.

20. Appendix A-2 shows a complete list of works for which plans and estimates were prepared during the year

21. The important activities of this Section during the year are described below:—

#### (1) Roads.

22. (i) *Pedestrian subway across Queen's Road near the Churchgate Station*.—Due to the abnormal increase in both pedestrian and vehicular traffic in the City in recent years, the need for segregating the pedestrian and vehicular traffic at important junctions had been keenly felt for the last few years. Segregation by providing foot-overbridges for pedestrians was not considered desirable as such overbridges would mar the aesthetic beauty and it was, therefore decided to construct, in the first instance, a subway for pedestrians opposite the Churchgate Station where there is a serious conflict between vehicular and pedestrian traffic particularly in the morning and evening rush hours. Plans and estimate were accordingly prepared and got approved by the Corporation for providing a 20 feet wide subway across the Queen's Road at a cost of about Rs. 3,04,925 including the diversion of utility services. It was felt by the Standing Committee that we should provide some extra width to take up future increase in traffic and accordingly the plans and the design were revised to provide a 25' wide subway with cost estimated at about Rs. 4 lakhs. The subway has been designed for the highest Indian Roads Congress loading viz., Class AA which is the load caused by a military tank of 70 tons. The 25' subway has a carrying capacity of about 20,000 persons per hour allowing movement at a slow rate of about 2 miles per hour. The actual construction was started during February 1955 and a further reference to this work is made in the report of the 'Construction' Branch.

(ii) Plans and estimates amounting to Rs. 4,49,007 were prepared for concreting Delisle Road between Gokhale Road junction and Curry Road junction. The need for concreting the surface of this road was keenly felt on account of its deterioration during the abnormal rainfall of the previous year. In fact, the immediate need of resurfacing was felt in the case of some other roads also and a programme was accordingly drawn up during the year and got approved by the Corporation to resurface these worn-out roads in the City. This road was one of the roads under that programme.

(iii) Plans and estimates amounting to Rs. 1,53,257 were prepared for concreting three busy road junctions, viz., (a) Mayo Road Junction Veer Nariman Road, (b) DeLisle Road junction Arthur Road, and (c) junction at Kemp's Corner. The need for concretin g these busy junctions was keenly felt as it was observed that the bitumen surface at such busy junctions gets damaged very easily during the monsoon on account of the grinding and abrasive action of the gyratory motor traffic.

(iv) Plans and estimates amounting to Rs. 1,74,520 were prepared for Flank Road-West in Sion-Kolwada Scheme No. 6 (East) including sewerage and storm water arrangements.

(v) Plans and estimates amounting to Rs. 3,45,202 were prepared for the 60 feet road (including sewerage and storm water arrangements) on the west of Worli Hill in Worli Scheme No. 58.

(vi) Plans and estimates were under preparation for certain roads (including S. W. Drainage and sewerage) in Plot Nos. 290 and 291, Sion-Kolwada, early construction of which was deemed necessary because of the Bombay Housing Board's Programme for construction of 900 tenements for displaced persons on a portion of these plots.

(vii) *Sion Circle*.—This Circle is still to be laid out in permanent construction. As originally approved it is a regular geometric circle. Plans and estimates amounting to Rs. 96,417 were prepared for revising the layout of the circle in accordance with the modern ideas of traffic engineering and were submitted for sanction to the Improvements Committee and the Corporation.

### (2) Storm Water Drains.

23. In accordance with the policy of covering the open S. W. Drains in the City in the interest of sanitation, plans and estimates amounting to over Rs. 25 lakhs were prepared during the year for converting into closed drains including (a) open channel between the bridge on Dr. Annie Besant Road and Cleveland Burder and (b) the open channel between Belassis Bridge and Clerk Road, a major portion of which runs along Haystack Road where some Municipal tenements are newly constructed and some more are under construction. The estimate for the first work was only a revised estimate while that for the latter was a detailed estimate prepared after working out design and plans.

### (3) Sewers and Sewerage.

24. (i) *Sewers*.—No estimates for major sewers were prepared during the year other than those for sewers to be laid in roads in *ex-Trust* schemes, the estimates for which were included in the general estimates for roads.

(ii) *Pumping Stations*.—The plan previously prepared for the sewage pumping station proposed near Harvey Road for replacing the Chowpaty Ejector was revised on the old practice of providing a dry circular well for vertical pumps with an annular wet sump around. The revision of the old plan is based on experience obtained on the various sewage pumping stations in recent years. Under the revised plan, the wet sump will be a circular brick-masonry wall separated from the main pumphouse structure, which will be rectangular and have horizontal pumps with coupled motors.

(iii) *Love Grove Purification Works*.—Plans and estimates amounting to Rs. 1,20,07,838 for the proposed purification plant at Love Grove to give primary treatment to sewage arriving thereat and utilising the by-products were put up to the Corporation during the year and approved by them. The proposed plant envisages the construction of 4 settlement tanks, 2 thickener tanks for sludge, 8 digestion tanks, sludge pump house and drying beds, mains for gas utilisation and the installation of all necessary mechanical and electrical equipment. The ultimate gas generation from the plant is estimated to fetch an annual revenue of over Rs. 18 lakhs. The work is proposed to be carried out in two stages.

(iv) *Sewerage Scheme for Colaba area*.—Under the present arrangements, the sewage from Colaba area is lifted through a series of Ejectors and is discharged into the head manhole of the main sewer near the Museum which drains to the pumping station at the City's main sewage outfall at Lovegrove. The ejectors in Colaba are however found inadequate now on account of the increase in population. Besides, under the present arrangements the Colaba sewage has to travel a long distance of about nine miles to the Lovegrove outfall and tends to turn septic during its travel. A scheme was therefore prepared during the year for having a separate sewage purification plant for the Colaba area together with a new intercepting sewer to collect the sewage. This scheme is estimated to cost about Rs. 35 lakhs. The question of securing from Government the land for the proposed purification plant was still under consideration at the close of the year and the scheme will be submitted to the Corporation as soon as the necessary land for the purification plant is secured.

### (4) Monsoon Flooding

25. An intensive investigation into the causes of flooding was made during the year. An analysis of the investigation showed that the main cause of the flooding on some of the streets in low lying parts was the City's peculiar storm water drainage system which perforce had to be adopted due to its situation as an island. The storm water is drained into the surrounding sea by several outfalls which get tide-locked during the high tides. At Love Grove where one of City's major storm-water channels is let out into the sea, the situation is worsened further as the flood gates thereat have to be closed during high tides to prevent flooding of low lying areas by the rushing of tide water and consequently, the storm water has no outlet at all, when the floodgates are so closed. As a radical cure, a proposal to install a battery of pumps at Love Grove to pump out storm water into the sea was under investigation by the close of the year.

## (C) MUNICIPAL PROGRAMME FOR THE SECOND FIVE-YEAR PLAN

26. During the year the Corporation under their Resolution No. 380, dated 22nd July 1954 requested the Commissioner to draw up a programme of development schemes for Greater Bombay for the Second Five-Year Plan so that financial assistance from Government could be sought for implementing the programme. Soon after the passing of this resolution a communication was received from the State Government also requesting the Corporation to submit such a Plan as desired by the Government of India. A comprehensive programme was accordingly drawn during the year and submitted to the Corporation for being forwarded to the Government. The programme as finalised by the Corporation envisages a total expenditure of Rs. 3,929 lakhs for the City and Rs. 619 lakhs for the Suburbs. Provision of Rs. 600 lakhs and Rs. 50 lakhs for providing 10,000 and 1,000 tenements for slum clearance in the City and the Suburbs respectively has been made in the plan. Provision of Rs. 250 lakhs is also made for providing 5000 tenements for housing the low-income groups, the tenements being constructed mostly on cheap land in the suburbs. The execution of slum clearance schemes will, however, largely depend on the grant of an adequate subsidy by the Government. Along with this programme, a general note on the slum clearance in the City was also, forwarded to Government outlining the problem and setting out the extent of subsidy required.





*General View of the Slum of Patra Sheds at Saboo Siddick Road. These sheds housing 82 families were cleared by the end of the year and work on the new building on the cleared site has been taken in hand*

**(D) SLUM CLEARANCE**

27. As stated in the preceding paragraph, an ambitious programme for slum clearance has been included in our programme for the Second Five-Year Plan submitted to the Government. In this connection, a reference was subsequently received from the State Government during the year stating that loans might be made available by the Government of India and enquiring whether the Corporation would be prepared to start their schemes on the grant of such loans. While Government were informed that loans alone would not enable the Corporation to reduce the economic rents of the new construction, it was very necessary to come to grips with the problem and a beginning on slum clearance would, therefore, be made by undertaking three pilot schemes—two schemes in Municipal owned slums and one scheme in private slums. Accordingly, the Municipal slum of 'patra' sheds housing some 82 families in Palton Road Estate near Palton Road was cleared during the year by providing transit accommodation to these families at the new Municipal tenements at Sewri. As stated in this report earlier, plans and estimates were prepared and tenders were invited for construction of a four-storeyed building on the cleared site were also prepared during the year for permanent rehousing of the cleared families. The second Municipal slum to be tackled is the 'patra' sheds at Haines Road (near Byculla Station) housing some 250 families. It is intended to rehouse some of the families in a new building which is planned to be erected on the site of an ex-milch cattle stable nearby. As regards tackling the private slum, the Kanathipura area has been fixed upon. A detailed survey of the physical conditions of buildings in that area, together with a sociological study of the families, was under taken by the end of December 1954 and results of the survey were under study by the end of the year.

**(E) MASTER PLAN AND ITS IMPLEMENTATION.**

28. (1) *Aerial Survey*.—The aerial survey was completed during the year. The remaining set of photo enlargements was received. The actual cost of the work amounted to Rs. 1,21,849 as against the previously revised cost of Rs. 75,200.

29. The total expenditure booked for the preparation of Master Plan from its commencement i.e. January 1947 upto the period ending 31st March 1955 amounted to Rs. 2,61,285. One copy of the Report known as Master Plan in Outline at Rs. 7-8-0 each and 36 copies of Master Plan at Rs. 2 each were sold during the year under report. The total sale proceeds on this account amounted to Rs. 79-8-0.

30. (2) *Existing Industry in Suburban Area*.—Further conferences were held during the year with the representatives of the Bombay Industries Association in connection with issue of permits to factories already existing in the suburban area and the decisions were communicated to the Bombay Industries Association from time to time.

31. The development of Deonar Dumping Ground with a view to siting industries thereat was also considered.

**(3) Shifting of Slaughter House to Deonar**

32. Embankment for a part of the access road was provided by utilising the surplus spoil from other construction works.

**(4) Development of Trombay Island**

33. The work on Eastern Express Highway and that on the road over-bridge over the Harbour Branch Lines made further strides during the year. The work on the Railway Siding for Refreries was nearing completion and the work of rail overbridge along the Sidia at junction with the Eastern Express Highway was in progress at the end of the year. The work of widening the old roads and constructing new roads taken in hand last year was also nearing completion.

34. *Reconditioning of Corridor Road*.—As the Corridor road was considerably damaged due to heavy traffic and abnormal rains during the year, a proposal for reconditioning the road was formulated. The actual construction work is intended to be taken in hand early next year.

35. *Anik Village*.—The work of relocation of Anik Village at two alternative sites viz., (1) near Shiv Temple at Anik, and (2) near Ghatla at Borla was nearing completion. The public sanitary conveniences at these sites are to be taken in hand shortly.

36. *Chembur and Kolkalyan*.—Tentative layouts for utilising the Chembur and Kolkalyan areas for industrial purposes were prepared. A large portion of the former belongs to the Government.

**(5) Reclamation of low-lying areas.**

37. During the year further meteorological data was collected for working out a scheme of reclamation by provision of Peripheral bunds, storage reservoir and pumping stations. As prelude to a larger scheme encompassing larger areas, a pilot scheme for a portion of Dharavi Area was being worked out to assess the feasibility and financial aspects of the methods to be adopted in such reclamation.

38. A proposal to provide gates at the spans of Mahim Causeway bridge was under contemplation. The provision of gates would serve as a clue to the behaviour of the sea on the downstream side of the causeway. With the tides locked out by the shutters of the gates, the topography and the condition of the bed at the creek basin can be studied to better advantage for the purpose of preparing a comprehensive scheme for the reclamation.

**(6) Other Developments.**

39. (a) The alignment of the Eastern Express Highway further northwards upto Pectrajaer Scheme was being analysed by a large-scale plane-table survey.

(b) Proposals to revise the regular lines on the Sion-Trombay and Mahul-Ghatkopar Road were under contemplation as portions of these roads had been surveyed on a large-scale plane table survey.

(c) Disposal of Government lands in Suburbs—An 'ad hoc' committee was appointed for the purpose.

(d) The question of making a portion of the Juhu Beach available for the purposes of development of that side was taken up with Government and tentative plans for a holiday centre for general Public were prepared.

## II.—Construction.

40. This branch is in charge of an Asstt. Engineer, 1st grade who executes all major construction works most of which are chargeable to Loan Works Funds under Budgets A, B and E.

41. Funds were provided for financing several large schemes such as permanent buildings for the Municipal General Hospital, Sion, the extension to the Municipal Head Office Building at Cruickshank Road, etc. An amount of Rs. 31 lacs was appropriated from Surplus Cash Balance available at the beginning of the financial year for providing Housing accommodation for Municipal staff and constructing a Convalescent Home at Parel for accommodating 120 beds for the use of convalescent patients from Municipal hospitals.

42. The expenditure incurred during the year under review on the construction of (1) School buildings (2) Markets (3) Hospitals (4) Storm Water drains, sewers, sewage pumping stations and Purification Work including laboratories attached to them amounted to (1) Rs. 7,61,742, (2) Rs. 3,84,338, (3) Rs. 16,47,544 and (4) Rs. 13,48,205 respectively against Rs. (1) 89,040, (2) 21,752, (3) 1,43,638, and (4) 16,83,870 during the previous year.

### A.—Building Construction.

#### (a) Housing.

43. Works estimated to cost Rs. 94,63,349 were in progress or completed during the year and the expenditure booked there against amounted to Rs. 12,33,689

44. During the year under review, 96 tenements at Rajwadkar Street, Colaba and 144 tenements at Baoty Road Yard for housing the Conservancy staff of the Public Health Department under Loan Work Budget 'A' were completed. In addition, quarters were provided for the attendants at the Biological Installation at Barganga on the land taken on lease from Government for the purpose.

45. The work of 194 tenements at Sewri under Loan Works Budget 'B' was also completed.

46. Work on pile foundations for 420 storeyed tenements to replace the Patra Chawls at Mahalaxmi known as 'Tardeo Flats' was commenced during the year under report and tenders for the superstructure were invited and recommended for the approval of the Standing Committee by the close of the year.

47. Appendix B-1 gives details of (1) works completed, (2) works started and (3) works for which tenders were invited during the year.

#### (b) Other Buildings.

48. Works estimated to cost Rs. 35,86,935 were in progress and the expenditure booked there against amounted to Rs. 2,69,747

49. Amongst the works which were started during the previous year and completed during the year under report the major works were (i) School building at Poibadvi (Parel), (ii) Extension to Marathi School Building at Antop Hill, Matunga; (iii) Additional storey over R. Currimbhoy Uroa School at Mahim, (iv) Laboratory and Stores at Dharavi Purification Works and (v) Reconditioning of the Godown at Central Stores Compound.

50. Amongst works started during the year, the major works were (i) Extension to Head Office Building, (ii) Two additional floors over existing building of R. P. T.B. Hospital, (iii) Building No. 1 at Municipal Group of Hospitals, Sion, (iv) A full-fledged market at Dr. Maisheri Road, Dongri and (v) Two large new school buildings—One in Sion-Matunga Estate and the other in Naigaum Estate.

51. Appendix B-2 gives details of (1) Works in progress since the previous year and completed during the year, (2) Works started and in progress during the year and (3) Works for which tenders were invited during the year.

### B.—Sewers and Pumping Stations.

52. Tenders for Love Grove Purification Works (first stage) intended to give primary treatment and digestion of sludge to 30 million gallons of sewage were received and were under scrutiny by the end of this year.

53. Under the Scheme of improving the sewerage system of the City approved under Corporation Resolution No. 492, dated the 5th August 1948 tenders for the work of 33" Hume Pipe Sewer in Globe Mill passage from the junction of DeLisle Road upto Manhole No. 19 were invited at the close of the year and the work will be started in the fair season of the ensuing year. Funds were provided in the Loan Works Budget for the year for construction of 6'-0" x 9'-0" all concrete ovoid sewer in Haystack Road from Manhole No. 71 to Manhole No. 88 (junction Lamington Road). This work will be divided into two sections for the facility of execution and revised estimates for the same were forwarded during the year for the approval of the Corporation. Tenders for the works will be invited as soon as the revised estimates are approved and the works are expected to be started in the fair season next year.



*Housing for Conservancy Staff at Rajwadkar Street, Colaba*

*The building provides accommodation for 144 families and was completed in two stages—second stage was completed in 1954. The small structure in the foreground by the side of the tree is the suction tank and pump house for pumping water to storage tanks on the terrace*



*Housing for Conservancy Staff at Bapty Road Yard  
Front view of the buildings facing Bapty Road*



*New School Building at Sion. The building consists of 31 class rooms. There is a covered playarea on ground floor for drills etc. during the monsoon and a big hall on first floor for various activities. An innovation is the provision of a number of plaster panels in bas-relief depicting animal life and geometrical figures and numerals etc.*

### C.—Storm water drains and covering of open storm water channels.

#### (a) Storm water drains.

54. The works of (1) replacing the existing 1'-6"×1'-9" Dhava drain in Bhagwandas Indrajit Road at Bargaiga by a 30" dia. Hume Pipe S. W. Drain and (2) providing an additional 27" dia. Hume Pipe Storm Water drain along Bhulabhai Desai Road from the junction of Bomanji Petit Street to the junction of Scandal Point at Beach Candy which were in progress in the previous year were completed. Besides this the work of providing a storm water drain in Parel Road opposite Garamkhada Market was started during the year under report to relieve flooding in this locality and was in progress by the close of the year.

55. The expenditure booked on the above works during the year amounted to Rs. 37,780.

#### (b) Covering open storm water channels in the City.

56. During the year under report, the Works of covering (i) the further length of 700' of the open channel from the covered end at Dadar Purification Works upto Khed Gull Junction and (ii) 750' of the open channel behind Arthur Road Prison referred to in the previous year's report were started by contract and were in progress at the close of the year. Provision for the work of providing a double-harrelled relief drain in lieu of the existing open water course to the South of Fitwalla Road including the filling in and paving the surface of the water course was available during the year and the work was started by the close of the year.

### D.—Roads and Footpaths.

57. (a) *Roads*.—No roads for permanent construction debitable to Loan Works Budget 'A' were undertaken during the year under report. The works of permanent construction of roads debitable to Loan Works Budget 'B' are listed in Appendices B-5 and B-6.

58. (b) *By-lanes*.—In order to improve the insanitary condition of by-lanes in the city the Corporation have approved of plans and estimates amounting to Rs. 1,23,200 for permanent construction of these lanes but no provision was made for this work during the year. A provision of Rs. 1,00,000 is now made in the Loan Works Budget Estimates 'A' for 1955-56 for concreting the lanes. When the bye-lanes are rendered permanent, the sanitation of the surrounding localities will improve as apart from the convenience to the residents the refuse vehicles will be able to ply easily along the lanes and the refuse collection service will also be more efficient.

59. (c) *Footpaths*.—As the Scheme of providing footpaths along certain roads in the City where no footpaths exist is being reviewed in the light of the volume of vehicular and pedestrian traffic along these roads, no provision for undertaking any works comprised in this Scheme was made available during the year.

### E.—Miscellaneous.

#### (a) Traffic amenities.

60. (i) *Traffic Islands*.—Important intersections of roads where traffic and channelising islands have been provided since the introduction of the Scheme in the City totalled 104 in all out of which five traffic islands were provided during the year under report. By the close of the year, two additional traffic island were being provided while administrative approval for the construction of two more was sought.

61. (ii) *Horaby Vellard*.—Most of the wooden railing along the sea side of Horaby Vellard had been damaged and washed away due to action of sea waves and much risk was thereby involved to the motorists driving along this road. Several accidents to motor vehicles had also taken place due to absence of a protective wall along this sea-strip. The Corporation had, therefore, accorded approval to plans and estimates amounting to Rs. 1,19,993 under their Resolution No. 230, dated the 22nd June 1953 for (1) raising the sea-wall, (2) providing kerb-line and (3) incidental drainage works. All the three phases of the works were in progress at the close of the year. The work was nearing completion.

62. (iii) *Pedestrian Sub-way across Queen's Road near Churchgate Station*.

63. This work, plans and estimates for which were approved by the Corporation under their Resolution No. 957, dated the 13th December 1954, was taken in hand by contract just before the close of the year.

64. (b) *Sea Wall*.—The work on the sea wall at Worli as approved under Corporation Resolution No. 1576, dated the 10th February 1950, could not be proceeded with further during the year due to want of funds.

65. (c) *Hill Cutting*—(1) High lands at Sion, Scheme No. 6—The work of cutting down high lands opposite Sion Circle between Roads Nos. 26B and 28A, Scheme 6 was completed during the year thus enabling handing over of the plots to the parties to whom they have been leased.

66. (2) Worli Hill, Scheme No. 58—Works of hill-cutting in respect of the third Section was in progress during the year. Work of cutting the Eastern slopes could not be undertaken during the year for want of funds. Further work on Section 'C' of the Hill and cutting bulges on the Eastern slopes also could not be carried out owing to paucity of funds.

67. (d) *Protective works to Outfall sewer at Love Grove*.—Work on Parts I and II was continued during the year. Work on Part II was completed during the year while that on Part I was in progress till the end of the year.

68. (e) *Private major works*.—The work of diverting the 9" sewer and 12" S. W. Drain in the Southern portion of Block II, Back Bay Reclamation Scheme estimated to cost Rs. 47,143 as approved by the Corporation under their Resolution No. 1413, dated the 22nd February 1954 was undertaken during the year by contract. The cost on account of this work is payable by the State Government as the diversion was necessitated by the change in layout of certain roads in the Back Bay Scheme.

69. Appendices B-3 and B-4 show details of works of roads, footpaths, drains and sewers in hand during the year under 'A' Budget by 'Contract' and 'Departmental agency' respectively. Appendices B-5 and B-6 show similar details in respect of Ex-Trust Schemes under 'B' Budget.

### III.—Maintenance of Buildings and Roads.

70. This Branch is entrusted with the repairs and maintenance works in respect of (1) Municipal and Ex-Trust Properties including acquired properties, (2) roads, footpaths, renewal of road surfaces and surfacing of footpath and other contingent works and (3) works such as road-watering, providing and maintaining street name boards, upkeep of public monuments and preventing or permitting occupation of roads and footpaths and such other administrative work. The work of supervision of asphalt Plants and Crushers, construction of asphalt roads and footpaths is also entrusted to this branch. Other matters looked after by this Branch are street lighting, traffic problems and amenities, and the work in connection with private streets and their improvement. The Branch is in charge of an Assistant Engineer, 1st Grade.

#### A.—Municipal and Ex-Trust Properties.

71. The total number of buildings and other properties in charge of this Section was 3213 as against 3,193 in the previous year. 22 properties were added during the year and 2 properties were demolished.

72. The work of maintenance can be classified under three major heads, (i) Normal Repairs, (ii) Special Repairs and (iii) New Works.

73. Normal repairs include works of monsoon repairs such as fixing bamboo mats, dammering, tile-turning, 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. The works of additions and alterations to the buildings as also those for providing additional amenities fall under the category of 'New Works'. Appendices C-1 and C-2 show the works carried out during the year under 'Special Repairs' and 'New Works' respectively. The works mentioned above were carried out partly by contract and partly departmentally.

74. For purposes of contract works, the City was divided in two divisions, one comprising of A, B, C, D and E Wards and the Sanitary Institute at Princess Street and the other comprising F and G Wards and Matunga Leprosy Home. The contracts for these two divisions were entrusted to two different contractors. The rates for works by these petty Works Contractors were below the Schedule rates being  $5\frac{1}{2}$  per cent. below the Schedule rates for Division I and  $6\frac{1}{2}$  per cent. below the Schedule rates for Division II. These rates were less by  $\frac{1}{2}$  per cent. for Division I and  $1\frac{1}{2}$  per cent. high for Division II than the previous year's rates.

75. Repairs to school buildings under Budget 'E' were also carried out by the Maintenance Branch. The total expenditure incurred on the same amounted to Rs. 43,395-8-0. The budget provisions, the expenditure booked thereagainst under different heads in Revenue Budgets 'A' and 'B' are shown in Appendix C-3. Out of the total expenditure, works to the extent of Rs. 7,34,948 were carried out departmentally and of Rs. 1,67,715 through Petty Works Contractor.

76. In addition to above, the works of oil-painting, colour-washing and white-washing the Municipal properties were carried out from the provision of Rs. 60,000 for such works.

77. The works on the five year's programme of heavy repairs and improvement of water supply to Ex-Trust Chawls as sanctioned under Corporation Resolution No. 2080, dated the 13th March 1950, was continued. The works of structural repairs by gunite treatment to Chandarwadi Chawl No. 1 and Mar-dvi Koliwada Chawls Nos. 1, 2 and 5 were completed. Similar works at Nagpada Chawl No. 19 and Suparibaug Chawls Nos. 1 and 6 were also completed. The work at Chandarwadi Chawls Nos. 4 and 6 was in progress at the close of the year.

78. The works to improve the water supply at Palton Road Chawls Nos. 1 and 2 Bellasis Road Chawls (19 Nos.) and Nagpada Chawls Nos. 17, 18, and 19 were nearing completion.

79. The works of providing separate electric meters per tenement at Chandarwadi Chawls Nos. 1 and 3 and Suparibaug Chawls and Love Lane Chawls Nos. 1, 2 and 3 were nearing completion.

80. The work of conversion of D. C. Supply into A. C. and provision of additional fans at Ex-Improvement Trust Building at Napier Road was completed.

#### MAHATMA GANDHI MEMORIAL OLYMPIC SWIMMING POOL AT SHIVAJI PARK

81. During the summer months it was found extremely difficult to maintain the full supply level in the Pool in spite of constant addition of fresh water. This heavy loss of water was not due to evaporation and washing of filters alone but on account of leakage either through the walls and the floor of the pool itself or through the sides of circulating system of water filtration. It was further felt that the leakage might be due to imperfect closing of the 'non-return' valves provided in the floor of the Pool probably due to fine sand getting under the seating of the valves. To investigate the matter thoroughly, the Pool was closed to the public and emptied in mid June 1954. No structural cracks in the floor and walls were noticed but the non-return valves were found to work unsatisfactorily. It was also seen that the deep-water outlet pipe connecting the pool with the filter sump well had sunk due to the washing away of the sand underneath. In order to stop this leakage the non-return valves were joined by a grid work of galvanised pipes, the open ends of which were brought up along the walls of the pool. These open ends were controlled by a sluice valve which was provided for releasing the uplift pressure whenever the pool is to be emptied. The deep-water outlet pipe to the filter sump well as also plugged at both the ends and instead an all-welded steel syphon pipe was provided with a view to ensure the working of the filter even when the water level in the pool could not be maintained sufficiently high for one reason or the other.

82. After carrying out these works, the pool was refilled when the leakage was found to have come down to the permissible minimum in a structure of this kind. The pool was then brought into commission again after closing it for about one-and-a-half months of the pool was well patronised by the public at large.

83. 2182 estimates amounting to Rs. 47,11,866 for various works were prepared during the year.



### B.—Roads and Footpaths.

84. The total length of roads and footpaths in the City at the close of the year was 274.056 miles as against 273.606 at the beginning of the year. The classification of roads and footpaths showing the mileage and areas to be maintained and the expenditure incurred in maintaining the different types of roads and footpaths will be found in Appendix C-4;

85. *Roads of permanent Construction Renewal of Surfaces*.—The total area of road-surfaces renewed during the year with 3" sheet asphalt, was 10,507 sq. yds., at a total cost of Rs. 1,20,839-11-0 as shown in Appendix C-5. No roads were renewed by 'Recondo Process' during the year.

86. An amount of Rs. 5,17,517 was spent on repairs to pot-holes on carriage-ways. 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. 1,79,398, Rs. 1,11,122 and Rs. 32,209 respectively. The percentage of these charges including establishment over the direct expenditure on road repairs and departmental and private works carried out by the road maintenance branch works out to about 16.60 as against 16.79 during the previous year.

87. The work of maintenance of the roads and footpaths was generally satisfactory throughout the year. A total area of 1,98,090 sq. yds. of different types of the road-surfaces was improved during the year as detailed below :—

	Sq. yds.
(1) Sheet Asphalt	... 10,507
(2) Chips coat on Asphalt roads laid by Asphalt Plant	... 81,190
(3) Semi-grouting	... 13,451
(4) Surface Dressing	... 92,942

88. As usual Rs. 1,60,550 were paid to the Bombay Port Trust for cleaning and repairing Port Trust Wharves and Roads.

89. The work of asphaltting footpaths as approved by the Corporation under their Resolution No. 985, dated the 25th January 1951 was continued during the year and the footpaths of 24 Roads covering an area of 51,668 sq. yds. were asphalted at a cost of Rs. 98,938-14-0. Details are shown in Appendix C-6.

### C.—Miscellaneous Works in connection with Roads and Footpaths.

90. (a) *Road Watering*.—Water-bound roads and kutcha footpaths comprising a total area of 14,006 sq. yds. were watered at suitable intervals during the dry season and the expenditure incurred thereon amounted to Rs. 592.

(b) *New roads and footpaths*.—No new road or private street was taken over for maintenance during the year.

(c) *Street Name Boards*.—No new street name-boards were provided during the year. Total expenditure incurred on repairing and maintaining the existing ones amounted to Rs. 1,380.

(d) *Maintenance of public monuments*.—All the statues were periodically cleaned and maintained in good condition at a total cost Rs. 2,849. The question of the removal of the Queen's Statue was still under consideration during the year.

(e) *Pedestrian Guard Railings*.—6,477 R.ft. of guard railings were maintained during the year

(f) *Widening of Road consequent upon acquisition of set backs*.—The cost of adding to roads the set back lands acquired in different Parts of the City inclusive of the cost of incidental works, such as shifting tram-poles, electric cables, gas or electric lamps, water entrances etc., amounted to Rs. 37,116. The total area thus added to the road during the year was 1,364 sq. yds.

(g) *Private and Departmental Works*.—522 works were carried out for various private parties at a total cost of Rs. 2,55,090 and 679 works were carried out for other municipal departments at a total cost of Rs. 5,20,233.

(h) 891 benches on roads and footpaths were also maintained at a cost of Rs. 469-3-0.

### D.—Road Rollers.

91. In the beginning of the year 1954-55, there were 53 Road Rollers on the register and during the year 2 new 10 Ton Road Rollers of Aveling Barford make were purchased and one more Steam Road Roller of 'H' Ward Bandra was taken on register. Thus in all there were 56 Road Rollers on the register during the year, out of which 3 were Petrol driven, 29 were Diesel driven and 24 were steam driven including 4 Tandem Diesel Rollers and 3 Steam Rollers of Asphalt Plant, 1 Diesel Roller of Vaitarna-cum-Tansa Scheme and one Diesel and 1 three wheeler Steam Roller of the Suburbs.

92. The Tandem Diesel Roller No. 4/44 ton and Tender Steam Roller No. 16 of Asphalt Plant were scrapped. Tandem Petrol Roller No. 34/24 tons Tandem Steam Roller No. 17/8 of Asphalt Plant and three wheeler steam roller Nos. 7/10 tons, 8/10 tons, 12/6 tons, 19/10 tons and 29/15 tons were under heavy repairs during the year.

93. The details of Road Rollers in use are given in Appendix C-10.

#### E.—Motor Traction.

94. The total number of vehicles (4/5 ton lorries and 1½-2 ton trucks) employed for transport of road materials was 31 at the commencement of the year. Of these 3 old Leyland lorries running on petrol and 1 old Chevrolet truck were practically idle for the whole year as spare parts required for their repairs were not available, being of out-dated model. Thus in effect only 27 vehicles (20 lorries and 7 trucks) were available for road works.

95. In emergency, specially in the monsoon, some lorries had to be diverted to haulage of town refuse and transport of meat from Bandra Slaughter House whenever there was heavy demand for such works. Most of the lorries were utilised for the work of asphaltting roads, supplying crusher metal to wards and for hauling debris and earth. The work of removing squatters with their hutments and kit from the City to the Squatters' Colony at Jogeshwari was also occasionally attended to by this Unit. Lorries were also sent in the Republic Day Procession and in Health and Cleanliness Week Demonstration whenever demanded;

96. In addition to a fleet of 27 municipal vehicles that were available for transport of road materials, lorries had to be hired from an outside agency (*viz.*, Bombay State Transport) on an annual contract basis upto a maximum requirement of 35 to 40 vehicles per day.

97. The mileage done during the year by Municipal Vehicles was 2,71,479 miles by 4/5 ton lorries and 45,018 miles by 1½-2 ton trucks, the total mileage being 3,17,497 miles;

98. The rates charged to various departments during the year were as follows:—

- |  |  |
|--|--|
| <p>(1) Annas 12 per mile for March 1954 and As. 10 per mile }<br/>         since April 1954 for 4/5 ton lorries and Annas 10 per mile }<br/>         for March 1954 and As. 8 per mile since April 1954 for }<br/>         1½-2 ton lorries. }</p> | For removal of earth, debris and<br>other materials; |
| <p>(2) A flat rate of Rs. 4-8-0 per brass in March 1954 and Rs. 4-4-0 per brass since April 1954 for transport of metal from Municipal Crushers at Worli and Sewri to any part of Greater Bombay.</p>  |  |
| <p>(3) A flat rate of Re. 3-8-0 per brass for hauling rubble to Crushers from Municipal Stock lying in the Ex-Trust Scheme at Worli;</p>   |  |

99. The total expenditure incurred during the year on the working of the lorries and trucks amounted to Rs. 2,37,920-14-0 and the charges recovered from the various departments for the work done on this account amounted to Rs. 1,87,770-15-0.

#### F.—Permits.

100. (a) *Opening of Roads and Footpaths.*—During the year 18 permits were issued for excavation in roads and footpaths. The cost of reinstatement of the disturbed surface was charged to the respective permit holder; Appendix C-7 shows the department or other concerns responsible for such openings and gives length in running feet and areas in sq. ft. of the trenches restored. These were repaired at a total cost of Rs. 8,28,869 which was borne by the parties concerned.

101. The total amount of road opening fees during the year amounted to Rs. 3,918.

102. (b) *Occupation of Roads and Footpaths.*—Action under Section 322(h) of the Bombay Municipal Corporation Act was taken to prevent unauthorised occupation of roads by dumping building materials and 452 Notices were served in this respect for contravening the provisions of the Act;

103. 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. 38,500-2-0 for 634 permits.

104. During the year, the Schedule of Fees for occupation of roads and footpaths was revised so as to penalise the persons doing such occupation without prior permission. Such occupations are to be charged at double the usual rate by way of penalty as approved by the Corporation under their Resolution No. 50, dated the 12th April 1954.

105. Under their Resolution No. 70, dated the 15th April 1954, the Corporation accorded their approval to the levy of fee of As. 2 per sq. yd. per day from the stall holders at different recognized fairs held in the City.

106. Ground rent recovered on account of (1) temporary lettings of road-side lands, footpaths and awnings and (2) erection of petrol tanks, dumps and (3) other occupations for miscellaneous purposes amounted to Rs. 50,017.

107. In addition 792 permits were also issued for occupation of roads for erecting mandaps placing chairs etc., and the amount realised there from was Rs. 4,012.

108. Permission for 24 Tram Shelters and 262 Bus Shelters on Roads and footpaths was continued.

## G.—Tramways.

109. No additions were made in the total length of the tram tracks in the City during the year, but the tram tracks on the following roads were removed :—

- (1) Ripon Road ;
- (2) Duncan Road ; and
- (3) C. P. Tank Road.

The total length of double tram tracks was 25.554 miles and of single tram tracks was 1.597 miles.

## H.—Public Street Lighting

110. The streets of the City were lighted with Gas and Electric lamps during the year under report.

111. The total number of lamps in the City at the end of the year was 12,164 which exceeded the corresponding figure of the previous year by 279. The details of the different types of lamps are shown below :—

Gas Lamps.						
Hexagonal	Bombay	Littleton	Rochester	Suggs	Traffic directional	Total
2,897	87	4,745	438	120	118	8,405
Electric Lamps						
Tungston Filament lamps.	Mercury Vapour lamps.	Sodium Vapour lamps.	Flourescent.	Total.		
2,671	1,061	Nil.	27	3,759		
Grand Total						12,164

112. In addition to these lamps 16 Policeman's spot lights and 12 lamps on Railway footover bridges at Chowpatty, Byculla and Dadar were maintained by this department.

113. The candle power of the gas lamps varied from 70 to 1,200 and that of electric lamps from 25 to 1,145. Some of the ordinary pressure gas lamps of high power, which were uneconomical for maintenance, were removed during the year and electric lights provided instead.

114. The following statement shows the total candle power of the lamps, the energy consumed by them during the year and the expenditure incurred on account of the maintenance etc. On an average 6,22,240 cubic feet of gas and 7,196 Killo Watt units of electricity were consumed per day as against 6,36,372 cubic feet of gas and 6,895 Killo Watt units of electricity per day during the previous year.

Kind of lighting.	Candle Power.	Total consumption during the year	Expenditure for lighting.
Gas	19,97,490	227,117,880 C.ft.	12,16,512
Electric	9,94,005	2,626,575 K.W.H.	6,41,213

115. An additional expenditure of Rs. 1,86,564 was incurred on account of (1) Erection of new lamps, (2) Repairs and Maintenance, (3) Miscellaneous, (4) Works of improvement in street lighting.

116. As usual Rs. 43,860 were paid to the Bombay Port Trust on account of the lighting of wharfs and roads in their charge by adjustment against the amount due from them in respect of General Tax for the year under report.

117. The work of lighting and maintaining the street lamps were done through Messrs. Bombay Gas Co. and The B. E. S. & T. Undertaking.

118. Since the current year "All in Hire Scheme" for Mercury Vapour and fluorescent electric lamps has been introduced. Under this Scheme all the mercury vapour and fluorescent lamps already installed and to be installed will be owned by the B. E. S. & T. Undertaking. The Capital Expenditure on these lamps will be incurred by the B. E. S. & T. Undertaking and or by the maintenance cost is to be paid by the Corporation to the Undertaking.

119. During the year under report the lighting of the roads mentioned in Appendix No. C 12 was improved.

120. In addition Kashinath Dhuru Cross Lane known as Palkhiwadi, (2) Passage in Dharavi Labour Camp leading to Volkart Bros., Chawls and (3) Private Streets off Cadell Road and Kashinath Dhuru Road known as Contractor Lane and Sanzgiri Lane, were provided with electric lighting.

121. The statue of the late Lokmanya Tilak at Chowpatty was provided with flood lights (electric) during the year.

122. Replacement of Incandescent Oil lamps by electric lamps was undertaken and completed in respect of the roads mentioned in Appendix No. C. 13.

123. In the beginning of the year, there were in all 68 Incandescent Oil lamps still in use, which were replaced with electric lamps during the year thus removing all the Incandescent Oil lamps in the City.

### J.—Traffic

124. The main works attended to by this Section are:—

- (1) Appropriate designs of Channelization, Rotaries and Refuge Islands.
- (2) Obtaining Traffic Volume Counts for determining the various movements of traffic.
- (3) Providing pedestrian cross walk lines, both on temporary and permanent basis.
- (4) Traffic Studies for installation of Automatic Traffic Signals in the City.
- (5) Parking.

125. The following Channelising Islands approved by the Traffic Advisory Committee were completed during the year under report:—

- (1) Along Nesbit Road at its junction with Mazagon Road.
- (2) Along (a) Love Lane at its junction with Mazagon Road, (b) Matarakhadi Road junction with Mazagon Road,
- (3) Along Arthur Bunder Road at its junction with Colaba Causeway.
- (4) Along Jerbai Wadia Road at its junction with Hospital Avenue.
- (5) Along Mumbadevi (West) Road at its junction with Kalfadevi Road.

126. The work of providing traffic islands at the following intersections was in progress at the close of the year:—

- (1) Providing two traffic islands at the junction of Lakharsi Napoo Road and Lady Jehangir Road.
- (2) Channelising island along Dr. Annie Besant Road at its junction with Worli Naka.

127. *Pedestrian Crossings.*—Pedestrian Crossings were demarcated with white paint on a number of main thoroughfares and in front of schools. A new "Zebra" type of pedestrian crossing has been introduced and is demarcated on Hornby Road.

128. *Traffic Signals.*—The quotations in respect of the proposed installation of automatic traffic signals at the intersection of Veer Nariman Road and Mayo Road were finalised and an order was placed with Messrs. The General Electric Co. of India. The work is expected to be completed during the year 1955-56. Quotations were also invited for the installation of Traffic Signals at (1) Fhirzibah Mehta Road junction Dadabhoj Naoroji Road and (2) Mahomedaly Road junction Masjid Furder Road.

129. *Traffic Studies.*—Comprehensive studies regarding parking characteristics, demand and necessity were undertaken in the Fort area.

130. The purpose of these studies was to find out the actual parking position to determine ways and means to provide adequate parking facilities to the Park.

### K.—ASPHALT PLANT AND CRUSHERS

131. The Municipal Hot Mix Asphalt Plant at Worli was worked throughout the year except during the monsoon. The Pegson Mixer was worked for turning out cold mix materials required to fill in pot-holes in the City and Suburbs. The supply of labour for running the Asphalt Plant was done by contract.

132. A total area of 1,47,100 sq. yds., of roads, and footpaths was repaired or renewed during the year, as against 1,91,821 sq. yds., repaired during the previous year. During the year, no work of Road Renewal was entrusted to Messrs. Recondo Ltd., and hence the area repaired is less. The area renewed departmentally was 1,47,005 sq. yds.,

133. A number of footpaths covering an area of 51,668 sq. yds., were asphalted with 1/2" to 3/4" sand carpet.

#### Hot Mix Asphalt Plant.

134. The Hot Mix Asphalt Plant worked for 186 days and remained closed for 123 days on account of rainy season, and for 56 days on account of Sundays, Holidays and break-down of the Plant. The details of the work done by the Hot Mix Plant are given in Appendix C. 8.

135. The rates adopted for booking the expenditure for different modes of construction were the same as in the previous year. The total expenditure for renewing the road surfaces, the cost of which was chargeable to different Budget Heads amounted to Rs. 1,20,839-11-0 as shown in Appendix C 5.

136. An area of 29,522 sq. yds., was repaired by providing 3/4" asphalt premixed carpet as per the details appearing in Appendix C 5. In addition to the above, scarifying work was carried out on Cadell Road and DeLisle Road at a cost of Rs. 4,183-3-0.

137. 1,097 tests as per the details appearing in Appendix C 8 were carried out at the Asphalt Plant Laboratory on different asphalt mixes.

138. The thin asphalt carpets laid over the sett-paved Road surface at Masjid Bridge departmentally and by Messrs. Recordo Ltd., were kept under observation. Similar Asphalt Carpets were also laid over worn out concrete road surfaces and their behaviour was under observation. The most suitable carpet which can stand over sett-paved roads and concrete roads will be decided upon in the light of actual experience that would be gained.

### Crushers at Worli and Sewri

139. There were four Crushers at Sewri and four Crushers and a granulator at Worli, out of which on an average two Crushers worked at each place. The total out-put of the Crushers during the year was 8,578 brass as against 10,340 brass during the previous year.

140. The work of crushing the rubble stones at both the places was carried out by departmental labour, a part of which was supplied by the Head Supervisor of the Conservancy Branch.

141. The rubble at the Worli Crushers was partly supplied by the Construction Branch at Rs. 7-12-0 per brass at quarry site of Worli Hill and the balance quantity was supplied through contract at Rs. 18-15-0 per brass. The rubble at Sewri Crushers was supplied at the rate of Rs. 19-15-0 per brass.

142. The total out-put of the Crushers and the rates charged for the supply of metal including haulage of different sizes of material are given in Appendix C II.

143. The value of stock in hand at the end of the year was Rs. 6,701-8-0 at Worli Crushers and Rs. 5,245-3-0 at Sewri Crushers.

144. There was a nett loss Rs. 44,481-5-3 and Rs. 62,547-14-3 at the Worli Crushers and Sewri Crushers respectively.

### L—IMPROVEMENT OF PRIVATE STREETS IN THE CITY

145. *Old City Limits.*—Out of 12 Actions (9 under Section 305 and 3 under Section 377 (1-A) of the Bomba Municipal Corporation Act) reported to be in progress in the previous year, 1 Action (under Section 305) was complete during the year and 1 Action (under Section 377 (1-A)) was dropped as the street referred to therein would be covered by the Mahim Town Planning Scheme. One new Action (under Section 305) was added in the year under report, thus bringing the total number of Actions in progress to 11 at the end of the year.

146. There was no further development in the case of Shri Tokersey Dosa for a claim of Rs. 1,732-3-0 referred to in the last year's report as the party's claim for compensation on account of the acquisition of a part of his property at Laxminarayan Lane was still not settled.

147. Information in respect of private streets in respect of which the works were completed or nearing completion at the end of the year, the private streets in respect of which the work orders were issued during the year, the private streets declared or treated as public and the demand notices issued under Section 491, during the year, will be found in Appendix C. 9.

148. Action under Section 492 of the Act referred to in the last year's report was continued during the year under report with results as detailed below :—

No. of frontagers. tenements	No. of tenements	Name of the Street.	Action taken under	Amount recovered.
3	16	Private Street off Bhavani Shankar Road, near Jain Temple.	Section 377 (1-A) of the B.M.C. Act.	Rs. 702-8-0 as against Rs. 764-8-0 of the last year.

This case is now complete.

149. In the case of the Private Street mentioned above, one of the frontagers Mrs. Laxmi Bai Narayan Patil and Shri Narayan N. Patil has filed a Civil Suit under Section 527 of the Act against the Corporation seeking for a declaration that the street under reference improved by the Corporation was not a private street within the meaning of Section 3(y) of the Act, but a 'public' Street. The suit stood transferred to Long Causes List.

150. During the year under report, all preliminaries such as service of notices etc., in connection with the Private Street known as Ash Lane between Hasali Tank Lane and Portuguese Church Street. (Action under Section 377 (1-A) of the Act) were completed as the same is covered by Mahim Town Planning Scheme :—

151. No amount was declared as 'Improvement Expenses' during the year under report.

152. Recoveries including interest made during the year under report from the house owners in respect of the works carried out in the past amounted to Rs. 28,580-10-0 as against Rs. 30,222-2-0 for the previous year.

153. In case of 'private' street in Bhaskar Bhawoo Oart near Gamdevi referred to in the last year's report wherein Civil Suits in the Small Causes Court were filed, 3 cases after several postponements were decided and decrees for full amounts were passed by the Court in favour of the Corporation and the remaining 13 cases stood adjourned at the close of the year.

154. During the year under report, sanction of the Standing Committee under S. C. R. No. 2024, dated the 22nd December 1954 was obtained under Section 517(1)(j) of the Bombay Municipal Corporation Act to file Civil Suits in the Small Causes Court, for the recovery of *pro-rata* cost in case of two improvement works carried out at Private Streets known as (1) Nikadwari Oart and (2) Baker Lane, off D'Lima Street, against the owners of 7 premises in the former and 8 in the latter case.

155. The proposed changes in the definitions of 'public' street and 'private' street referred to in the last year's report have now been effected and embodied in the Draft Amendment Bill.

### M.—REMOVAL AND DISPOSAL OF TOWN REFUSE TO DEONAR.

156. As in the past, a major portion of refuse was transported by Railway to Deonar in municipal refuse wagons. The remaining refuse was dumped to reclaim the low-lying lands in the City *viz.*, Hornby Vallard, Haines Road Cemetery, near Love Grove Pumping Station, Sion Kurla Creek, Da'ar Purification Works and Dharavi.

157. The arrangement of running three refuse trains per day introduced in 1950-51 was discontinued from 15th July 1954 and only two trains consisting of an average of 30 wagons each were run. A light engine was engaged to remove the empty train at Chembur to Mahalaxmi siding as soon as the train was unloaded and the loaded train from Mahalaxmi siding was brought to Deonar by the same engine. By this arrangement, the empty train was available at Mahalaxmi siding for loading purposes before the loaded rake was taken away to Deonar.

158. The total number of refuse wagons received at Deonar during the year under report was 21,511 as against 23,455 during the previous year. The decrease is mainly due to the shortage of rolling stock (wagons) and irregular working of the trains. Taking an average of 17 tons per wagon, the quantity of refuse removed to Deonar was about 3,65,637 tons as against 3,98,905 tons during the previous year. The total cost of removal and disposal of refuse amounted to Rs. 7,18,093 as against Rs. 7,82,478 during the last year. The total cost of unloading refuse wagons during the year amounted to Rs. 3,34,327 as against Rs. 3,64,350 in the previous year. The decrease in expenditure was due to less number of wagons received and unloaded at Deonar. The work of unloading refuse wagons was carried out wholly by Contract. The total cost of haulage and unloading per ton on the basis of the old sanctioned rates of 1950-51 works out to Rs. 1-15-5, which was the same as the last year.

159. The number of refuse wagons including 25 lying sick at Mahalaxmi and Deonar Sidings at the end of the year was 90.

16 wagons were condemned during the year.

160. The position of the rolling stock is far from satisfactory. Old wagons had to be condemned but no new wagons could be had for several years in spite of the efforts made in this direction. The matter was under prolonged correspondence with the Railway authorities for the supply of 50 new wagons but to no avail. Efforts are also being made to purchase them through private agencies.

161. The cost of repairs and maintenance of the wagons as well as the Siding at Mahalaxmi amounted to Rs. 64,931 as against Rs. 52,253-12-0 for the previous year.

162. Land admeasuring about 6 acres was reclaimed at Deonar during the year under report including the land filled in previously, but on which refuse was dumped to cover the depression caused by fires and rain. The total area reclaimed stood at 446 acres at the close of the year out of 823 acres of low-lying land marked for dumping purposes.

163. The total income realised from various sources such as reclaimed land leased for cultivation, temporary letting out portions of the land to Messrs. Anderson Dawn & Co. and the Central Railway; Skinning animals, sale of right for fishing etc. amounted to Rs. 79,145 as against Rs. 82,503 during the previous year.

164. The amenities provided in the Labour Camp for the benefit of the staff of various departments residing thereat such as Primary Education, Welfare Centre, Gymnasium, Maternity Wards etc. were continued during the year. Proceedings in respect of ejection of the owner of the Ration shop, the authorization for which was cancelled by the Government were in progress at the close of the year.

165. During the year under report there was one derailment and minor fires on the reclamation. There was no loss to Municipal or other properties.

166. No refuse was burnt in incinerators during the year under report as they were out of Commission.

167. The length of the main railway line and the kutchra sidings was 6700 ft. The length and number of temporary sidings varied from time to time.

### N—GENERAL COMMENTS.

168. (1) *Abnormally heavy rainfall and its effects on roads.*—The year under review was abnormal in respect of the extraordinary heavy monsoon of 1954. The City had 135 inches of rain which was practically double the annual average of 70 inches. The intensity of rainfall was also very heavy. This abnormal rainfall had a highly destructive effect on the old road surfaces which to all appearance were in a good passable condition though they had outlived their life. The question of getting such roads resurfaced came to head on account of the extensive damage caused by the heavy monsoon and the Corporation under their Resolution No. 896, dated the 25th November 1954 approved of the proposal bringing under permanent construction, *i.e.*, asphalt and concrete, surfaces of main roads which had previously been semi-grouted surfaces. This programme in respect of which work was commenced during the year is estimated to cost Rs. 27 lakhs.

169. (2) *Repairs to Sion Road No. 26A.*—Sion Road No. 26A which is an all-concrete road had developed some bad patches. This roadway was thoroughly examined and repairs urgently required were carried out during the year. In this connection, during the progress of the work, it was observed that all the soil below the concrete slabs which had sunk and developed cracks, was moist, even during the summer season and at places the subsoil was too fine. This indicated necessity of treatment of subsoil and also of providing suitable foundations for concrete roads in future particularly in Sion and Wadala locality.

170. (3) *Old Buildings.*—The work of maintenance of Municipal Buildings many of which can now be classified as old buildings is on an increase. Substantial repairs are being carried out from year to year to the old Improvement Trust Chawls. Acquired buildings at Sewree, Wadala and Naigaum localities have become too old and uneconomical in maintenance. It is time they are removed and permanent buildings are constructed on their sites. Structures of Military Hutments within the R. P. T. B. Hospital and General Hospital, Sion have also outlived their life and it is advisable that they are replaced by new permanent construction instead of spending large sums on their maintenance.

#### IV.—MAINTENANCE OF DRAINS AND SEWERS.

171. This Branch is responsible for cleaning and maintenance of all underground sewers, S. W. drain and open storm water channels, street connections to sewers and S. W. Drains. An Assistant Engineer 1st Grade is in charge of this branch.

##### A—MAINTENANCE AND CLEANSING.

172. The following table shows the type of sewers and drains cleared and silt removed from them:—

Particulars.	Mileage during last year	Increase during the year	Total mileage	Mileage cleared	Silt removed in tons.
Pipe Sewers	... 212.37	16.65	229.02	52.25	4,511.05
Ovoid Sewers	... 17.37	4.419	21.79	6.23	3,087.35
S. W. Drains	... 213.71	3.51	217.22	6.89	4,692.87

173. *Water courses.*—Water courses were cleaned and kept in good condition.

174. *Catchpits.*—Catchpits on pipe sewers and ovoid sewers were cleaned at regular intervals and 3,435.74 tons of silt was removed therefrom.

175. *Water Entrances.*—16,064 water entrances including perforated stoneware ones were opened and cleaned before the monsoon and closed after the monsoon.

176. *Street connections.*—41,046 street connections were cleaned during the year.

177. *Biological Installation at Bonganga.*—This installation was kept in working order during the year under review by thoroughly cleansing the filter beds and carrying out necessary repairs at a cost of Rs. 3,560.

178. *Ventshafts.*—All ventshafts on pipe sewers which number about 1,021 were maintained and kept in working order.

179. *Open S. W. Channels.*—The five main open S. W. channels were cleared at a total cost of Rs. 12,148 and 1,581 tons of silt was removed therefrom. Open channel drains at Sir d Sewa Samiti, Punjab Refugee Camp, Joglekar Wadi at Dharavi have been cleaned and maintained as an anti-malarial measure.

180. *Relieving Arches at Falkland Road.*—This work had to be suspended this year also for want of funds.

181. *Sluices.*—31 sluices on sewers and S. W. Drains were operated and maintained.

182. *Common House Drains in Private properties.*—The work of systematic cleaning of house drains was continued during this year also 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 working order inspite of the fact that some of the drains are very old, hazardous and without proper slope.

183. A mobile gang with Flexible Rod Equipment which was introduced in the City last year was continued this year also for removing obstinate chokes with satisfactory results.

##### Repairs and alterations.

184. The work of repairs to 246 manholes, replacement of 43 gratings and renewal of 1,021 ventshafts at a total cost of Rs. 35,483-10-0 were carried out during the year.

##### B—STREET CONNECTIONS.

185. The work of giving street connections to the new and old buildings was continued during the year 127 street connections were granted to sewers and 24 to S. W. drains.

##### C—DEPARTMENTAL AND PRIVATE WORKS.

186. Departmental and private works costing Rs. 1,18,082-6-0 (Departmental Rs. 1,00,149-14-0 and Private Rs. 17,932-8-0) were carried out during the year under report at the cost of various departments and private parties.

##### D—FLOODING

187. As in the previous year, no special staff was appointed during the daytime for attending to flooding in the low-lying areas in the City, but the work was entrusted to the Ward Staff and during night time, two existing emergency gangs were engaged for this work. This arrangement was found to be satisfactory and economical.

188. The total rainfall as recorded in Babula Tank Office from 7th June 1954 to 20th October 1954 was 113.89 inches.

##### E—HOUSE DRAINS.

189. During the year 4,333 requisitions were issued against the house owners for rectifying the defects in the house drain fittings. The requisitions outstanding at the beginning of the year numbered 1,693. Requisitions complied with during the year numbered 4,510, leaving a net balance of 1,516 requisitions outstanding at the end of the year. Appendix D-1 gives details of the requisitions classified according to the sections of the Municipal Act.

190. In 454 cases where the requisitions were not complied prosecutions were launched and the fine inflicted totalled Rs. 3,317-8-0. Details of action in this respect are given in Appendix D-2.

## F.—SUBVENTION SCHEME FOR CONVERSION OF PRIVIES INTO WATER CLOSETS.

191. This scheme was deferred this year also in respect of such premises as were falling in the Town Planning Scheme of Mahim Woods. During the year conversion of 4 privies was effected.

## G.—GENERAL COMMENTS.

192. The main difficulty in cleansing the sewers effectively is the surcharged condition of the sewers. The installation of additional pumps of bigger capacity in recent years at the existing pumping stations and also the new pumping stations at Tulsi Pipe Road and Globe Mill Passage have helped to abate the surcharged condition to a great extent; but still a lot remains to be done to eliminate the surcharge completely.

193. In Colaba area the 'Surcharge' problem which is due to insufficient capacity of the ejectors will be successfully solved only when the scheme for a separate outfall and purification works for Colaba materialises.

194. The other acute problem confronting this Branch was the cleansing of the common house gullies in Kumbharwada, Kamathipura and Nagpada areas. As the drains in these gullies are long and dilapidated, it was decided that the only effective and expedient measure was to short circuit and renovate the common house gullies through Municipal agency at the cost of the owners. Accordingly the work on one common house gully in Kumbharwada area was started. After studying the results, the work on the other house gullies in these localities will be taken in hand.

195. A radical improvement was effected in cleansing of the house gullies. Formerly the work of cleansing drains and that of sweeping of the gullies was not done simultaneously. The Drainage Branch looks after the cleansing of drains and the Conservancy Department under the Health Officer looks after the sweeping of the gullies. This arrangement was causing confusion between the two sister departments. Now both these works are done simultaneously in a spirit of co-operation. This has resulted in the work being done effectively and expeditiously and to the satisfaction of the public.

196. A new method was introduced in Kamathipura area for attending promptly to the numerous complaints in that area. The complaints of the locality were collected at a particular place in the area and these were delivered the next day to the Mokadam of this Branch who visits the place every day. This arrangement was found to work satisfactorily.

197. The progress in mechanising Drainage service was also maintained. A bigger bucket machine set was put into commission during the year. It is giving satisfactory performance, especially in removing silt from the bigger size sewers. A Flexible Rod Mobile Car with a truck was also introduced for removing a check of an obstructed nature. Another additional car is proposed to be formed for the same purpose when the new pick up lorry which is sanctioned is received.

198. The sale of concrete covers for inspection chambers was brisk during the year. These covers designed by this Branch are manufactured at Babula Tank from the outer cast-iron frames of covers supplied by the Municipal Foundry. The introduction of these covers has resulted in better maintenance of the house drains with a consequent reduction in notices against the owners.

199. During the year the work of cleansing, maintenance and improvement of open drains in Dharavi and Sion areas was more intensively carried out. This work being of the nature of an anti-malarial measure was given top priority. The ex-trust drain in Dharavi was kept in a completely free flowing condition and its flow was diverted to the new 42" sewer. The open drains at Joglekarwadi in Dharavi had their sections suitably reduced to increase the velocity of the flow which was diverted to the sewer by regrading a portion of the drain. The open drains at Sind Seva Samity in Sion were converted into pipe drains by utilising old C.I. pipes from Love Grove Pumping Station.

## V—PRIVATE BUILDING CONSTRUCTION

200. With this Branch vests the control on the construction of new buildings and additions or alterations to the old buildings by private owners in the City. The branch is in charge of an Assistant Engineer 1st Grade. It has further to enforce repairs and other requisitions in respect of private buildings. It is also responsible for prevention of encroachments within regular lines of the streets, acquisition of setbacks, prescribing or revising regular lines of streets and permitting stall-boards, weather frames etc.

201. This is an important branch of the City Engineer's Department which has to exercise a rigid control on the construction of private buildings in the City from the point of view of both safety and public health of the citizens. Similarly, action for compelling the owners to repair their buildings is also vitally necessary in the interest of the safety of the occupiers. The control on erection of new buildings as well as additions and alterations which fall within the scope of Section 342 of the Bombay Municipal Corporation Act is exercised by making it obligatory on every owner to submit plans for such work and getting the Municipal approval thereto before the works are started. It follows that all new constructions carried out without such approval are unauthorised and one of the tasks of this branch is to get such unauthorised constructions removed with the sanction of the Standing Committee.

### Building Proposals.

202. The applications received during the year under Section 337 of the Bombay Municipal Corporation Act for erection of new buildings numbered 916 as compared to 826 in the previous year. Applications for additions and alterations under Section 342 numbered 1135 as against 1241 in the preceding year. The total number of buildings dealt with during the year was thus 2,051. As two or more modified proposals are generally received in connection with one and the same building, the actual number of applications received was considerably in excess of this number and this number was 4,600 as against 5,052 in the preceding year.

203. Appendix 'E-1', shows the comparative quinquennial figures for the period from 1950-51 to 1954-55 in respect of applications received.

### Building Construction.

204. In connection with the proposals received under Sections 337 and 342 of the Bombay Municipal Corporation Act, 1,148 Completion Certificates in respect of buildings completed were received during the year as against 1,209 during the previous year and these were disposed of after inspection on site.



205. The total number of new buildings constructed by private enterprise during the year was 383 as against 423 during the previous year, out of which 133 were residential and 250 non-residential. The total number of residential buildings constructed by cooperative societies was 9. There were 11 residential buildings constructed by the employers for their employees as against 2 during the previous year. The number of non-residential buildings is inclusive of minor proposals such as garages, godowns, sheds, sanitary blocks, etc.

206. The number of one room, two room and larger tenements (usually known as blocks) constructed during the year was 155, 360 and 1181 respectively, as against 291, 662 and 1043 constructed during the previous year.

207. The number of tenements demolished during the year was 540 comprising of 474 one-room tenements, 37 two-room tenements and 29 larger tenements.

208. Appendix E-2 shows the wardwise distribution of tenements constructed during the year as also the number of tenements demolished during the year.

### Enforcement of Building Regulations.

209. (a) Action under Section 354-repairs to or removal of unsafe structures:— There was no change during the year in the general unwillingness of the owners to carry out repairs to their old buildings mainly because they did not find it a profitable proposition to prolong the life of the property at the old standard rents and prefer to pull down the building altogether. Although the Bombay Rent Act was amended with effect from the 1st June 1954 permitting an increase in rents over the standard rents up to an amount not exceeding 5 per cent. per annum of the expenses incurred on account of special or heavy repairs, there were not many property owners who took advantage of this amendment for carrying out heavy repairs.

210. In all 7,265 notices were issued under Section 354 of the Municipal Act for repairs to or removal of unsafe structures as against 5,036 during the previous year. Out of these, 5,673 were complied with and the remaining 1,592 were pending at the close of the year. Out of 1,381 notices pending at the end of the last year, 1,094 were complied with and 287 notices still remained pending at the close of the year.

211. Prosecutions had to be launched as usual for failure of the house owners to carry out the repairs requisitioned and during the year 2,169 prosecutions were launched, out of which 430 were withdrawn or complied with, and hearings in the case of 644 had remained postponed by the end of the year. In the case of 53 prosecutions, parties were acquitted and in 338 cases they were warned and discharged. In 704 cases they were convicted and fined; the total amount of fine was Rs. 12,488-6-0.

(b) Action under other Sections of the Municipal Act:—

212. Under the several other sections operated upon by this Branch, a total of 6,577 notices were issued as against 7,062 during the previous year. 2,105 prosecutions were launched against the house owners for non-compliance as per details given in Appendix E-3.

### Building Collapses

213. 118 buildings or portions thereof collapsed during the year as against 91 during the previous year. In 97 cases there were no casualties; and in the remaining 21 cases the total number of persons injured was 55 and 14 were killed.

214. The collapse of "Neville House" during the year was a peculiar one. The building in this case was of R. C. C. construction and almost half the portion of the building collapsed completely without any signs or warnings from the fourth floor downwards with some loss of life, although the external walls remained in tact. An investigation into the possible causes of collapse was held by an unofficial committee. The building was erected in the year 1922 when R. C. C. design was in its infancy and the Committee attributed the collapse mainly due to the faulty design methods, which were then considered quite sound. It was particularly found that sufficient reinforcement to take up burden had not been provided for and the beam reinforcements were not properly tied. A decision was therefore taken to keep a watch on the buildings constructed in the same period on similar designs and the owners are accordingly being advised to get their buildings inspected through their architects and submit inspection reports to the City Engineer;

### Removal of huts or walls of inflammable materials

215. 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 419 cases as against 401 during the previous year. Out of these, 376 were complied with and the remaining 43 were pending at the close of the year. Out of the 70 cases pending at the close of the last year 66 were complied with during the year and the remaining 4 were pending.

### Removal of unauthorised works

216. During the year, 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 unauthorised structures are inadequately lighted and ventilated and are deficient as regards the open spaces required under the Building Bye-laws. During the year sanction of the Standing Committee was obtained in 404 cases for the removal of unauthorised works as against 137 during the previous year. In addition there were 80 cases pending at the close of the last year, out of which 60 were complied with during the year and 20 cases were pending. The unauthorised works in 137 cases were removed by the parties at the close of the year; in 83 cases the work was removed departmentally; the works in respect of 19 cases were allowed to be retained, as the parties regularised the same and 245 cases were pending at the close of the year.

217. Quite a number of unauthorised structures are so rickety as can be completed in a matter of a few days. Their detection often becomes difficult in the congested parts of the city and complaints received from the public are quite helpful to the executive in detecting the structures. When removal is insisted upon, a plea is frequently made that the occupiers will be thrown on the streets. But in the interest of enforcing law and providing a deterrent to the public from indulging in such construction there is no escape but to enforce the action ruthlessly.

### Acquisition of setbacks

218. The amount spent on acquisition of setbacks during the year under report was Rs. 4,97,108-6-0 as against Rs. 5,36,919-0-0 in the previous year. Appendix E-4 shows figures for the five-year period 1950-51 to 1954-55.

219. The area of setbacks actually added to the roads was 1,364 sq. yds. The setbacks added to the road at the junction of Tardeo Road and Forjett Street provided a noticeable improvement during the year.

220. The liability outstanding at the close of the year in respect of setbacks amounted to Rs. 11,01,338-4-0 including compensation amounting to Rs. 30,966 agreed to be paid to house owners on the termination of the leases granted to them in respect of the lands acquired from them pending the acquisition of the adjoining setbacks.

221. The main difficulty in pursuing a more vigorous policy for street improvement by acquiring setbacks is the enormous cost involved, as the land on important streets is costly. Available funds are therefore utilised to the best possible advantage and in several cases minor works within the regular line were permitted on payment of indemnity money.

### Regular lines of streets and layout of new roads

222. A list of (1) regular lines of streets prescribed 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 E-5.

### Projections on streets, stallboards and weatherframes

223. Action for removal of unauthorised stallboard projections and showcases was continued through the stallboard removal staff. 943 notices were served under Section 308(2) of the Bombay Municipal Corporation Act, requiring parties to remove unauthorised projections on streets as against 2142 during the previous year. The reduction, in the number of notices served as compared with those in the previous year, was effected by introducing a new procedure of first issuing a warning letter to remove or regularise the projection and serving a notice only if there was no response to the warning letter. Out of these 943 notices issued during the year 798 notices were complied with and 145 were pending at the close of the year. Out of 489 notices pending at the close of the last year, 486 were complied with and the remaining 3 still remained pending at the close of the year. During the year 1036 projections were removed by the parties of their own accord and 1684 were removed departmentally. 1184 stallboard projections, 993 weather-frame projections and 82 rolling shutters 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 notices served on shopkeeper included all the projections such as weather frame, stall-board, showcase etc. owned by him.

224. The following statement shows the income derived from and the expenditure incurred on the establishment of removal or control of temporary projections such as stallboards, weather frames, etc. during the last three years:—

Year.	Income.			Expenditure.			Net Income.		
	Rs.	as.	ps.	Rs.	as.	ps.	Rs.	as.	ps.
1952-53	3,21,583	14	0	90,026	10	0	2,31,557	4	0
1953-54	4,45,752	12	0	97,272	2	0	3,48,480	10	0
1954-55	5,10,959	13	0	98,781	0	0	4,12,178	13	0

225. The income from this section is steadily rising. Control on such projections in a large city is not an easy task. In order to enable the staff to devote more of their time to checking and regularising the projections, a proposal was under consideration to compel the owners to pay fees direct into the office and obtain licences on lines similar to the working of the Licence Department.

### Cement Authorisation to private house owners.

226. 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 5,034 applications for cement were received as against 3,249 during the previous year and authorisations aggregating to 3,284 tons 16 cwts. were issued after scrutiny of the applications by inspection of works on site.

### Complaints from the Public.

227. The number of complaints received from the public regarding structural defects, various conditions of the buildings, leakage of rain water, unauthorised construction, etc. was 5,415 during the year as against 4,021 during the previous year. Out of these 5,192 were looked into and necessary action in connection therewith was taken. There were 223 cases in which action was not complete at the close of the year.

### House Numbering.

228. The house numbering work was continued during this year.

229. The work of fixing number plates in 'C' ward was complete and that of 'D' ward was in progress. The work of surveying the properties in 'G' ward was over.

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

230. During the year the structural designs (both R. C. C. and R. S.) submitted by the Structural Engineers for the erection or alterations to the private buildings in the City were scrutinised by the Special Technical Officer, who also inspected the works while in progress so as to keep a check on the standards proposed in the R. C. C. and Steel Codes.

## GENERAL OBSERVATIONS

## Repairs to old buildings.

231. The cycle of notices for repairs, failure of owners to carry out repairs promptly and launching of prosecutions was continued as in the previous year. In some cases where the owners failed to comply with the requisitions in spite of convictions and where the tenants approached for authority to carry out repairs under Section 499 of the Bombay Municipal Corporation Act, authorities were given to them entitling them to recover the reasonable expenses incurred by them in so doing from the rents that would from time to time become due to the owners. Such cases have however been very few.

232. In some cases departmental action under Section 489 of the Bombay Municipal Corporation Act had to be taken for pulling down unsafe portions of the buildings in the interest of public safety, as the owners failed to carry out the Municipal requisitions. In the two cases referred to in the previous Administration Report the contractors bills amounting to Rs. 1,272 and not Rs. 1,872 mentioned through inadvertence therein, were still outstanding. One bill pertained to the Deputy Custodian of Evacuee Property, while the other pertained to a private party. Reminders have been issued to the Deputy Custodian for expediting payment and in the other case prosecution has been launched against the landlady for recovery of the Municipal dues. During the year under reference contractors' bills in 4 cases amounting to Rs. 3,876 were paid from the said grant, and efforts are being made to recover the same from the parties. Further, out of the provision of Rs. 12,500 sanctioned under the Commissioner's Discretionary Contingencies, a sum of Rs. 10,000 is earmarked for meeting the irrecoverable expenditure in connection with the work of demolition of unauthorised structures and removal of unsafe buildings in the city.

## Deterioration of old buildings

233. Due to the deadlock created by unwillingness of the owners to repair old buildings, the condition of such buildings showed further deterioration during the year. The recent amendment in the Rent Act permitting increase over standard rents upto 5 per cent of actual costs of major repairs carried out by an owner did not improve the situation to any extent worth the name. Apart from the cost of repairs, another important point to be considered is whether major repairs should be permitted in all old buildings. If all old buildings are repaired wholesale it may mean in the case of quite a large number of buildings perpetuation of old sub-standard houses. It is therefore necessary to carry out a survey of old buildings in the City so as to classify the buildings into three major categories viz. (1) buildings which meet the habitation standards and could be allowed to be repaired, (2) buildings which are sub-standard but could be repaired and improved by alterations so as to bring them to the prescribed standard, and (3) buildings which are absolutely sub-standard and are not capable of any improvement and should therefore be demolished at the earliest. The question of carrying out such a survey in some of the oldest parts of the City was under consideration at the close of the year.

## Necessity for providing alternative accommodation to persons affected by acquisition of setbacks and by pulling down of dilapidated buildings.

234. The condition in this respect remained the same as reported last year. In most of the cases the house-owners were not in a position to provide alternative accommodation to the tenants who would be housed by the enforcement of setbacks on old buildings. As a result, repairs to the buildings partly falling within the regular lines of the streets have to be allowed in the interests of the tenants and to that extent the progress of road widening has been hampered. The question of providing Transit accommodation for this purpose was under consideration by the end of the year. Such accommodation was also felt necessary for families displaced by collapse of buildings particularly during the rainy season.

## VI.—MECHANICAL BRANCH.

235. This Branch looks after—

- (1) Maintenance and repairs of
  - (i) Sewage Disposal Plants.
  - (ii) Pumping Stations.
  - (iii) Compressor Stations and Ejectors.
  - (iv) Road Rollers.
  - (v) Lifts and Electric Installations in the City.
  - (vi) Other Municipal Machinery and Installations.
- (2) Manufacture of Standard Furniture and different types of castings.
- (3) Municipal Workshop and Foundry.
- (4) New Electrical Installations and improvements to the existing installations in Municipal Buildings.
- (5) Purchase of machinery for different departments.

236. The Branch is under the charge of a Mechanical Engineer, 1st Grade. Motor Transport which was heretofore looked after by this branch has been constituted into a separate branch from 27th December 1954 and is reported upon separately. Similarly, the Factory Permit Section was also created as a separate branch from 1st March 1955 and is reported upon separately.

## A—SEWAGE DISPOSAL PLANTS.

## (1) Love Grove Disposal Works.

237. (a) Love Grove Pumping Station: Both the pumping stations of the Love Grove Pumping Station worked satisfactorily during the year. The Pumping Station No. 2 was closed for a period of about 3 1/2 months from 1st March 1954 to 18th June 1954 for carrying out works of cleaning repairing and alteration of certain parts of the pump.

238. The total amount of sewage pumped was 26,848.76 million gallons, 3,560 tons of silt was removed from the detritus chamber of the pumping station No. 1 and 4,000 c.ft. of screening from Station No. 2. The average level of sewage at the station was 71.08 T.H.D.

239. The new Detritus Tanks forming part of the works under the first stage of the proposed Love Grove Purification Works were put into operation on 14th December 1954. The tanks are designed to remove all silt bigger than 1/10th m.m. in size. For the present sewage from Pumping Station No. 2 only is allowed to pass through the tanks and the silt is removed by manual labour. Steps are being taken to purchase 2 tractors and 6 trailers for the removal of silt. Steps are also being taken to purchase 2 more Horizontal Sulzer Pumps similar to the present ones in order to cope with the increasing sewage coming at Love Grove.

240. Iron drop gates near the outfall are being renewed. A new floodgate is being manufactured to replace the broken one and will be fixed in the channel shortly.

241. The outfall sewer at Worli was inspected on four occasions during the year and no further damage beyond that reported last year was observed. The top portion of the outfall sewer was strengthened by putting in binding rails and concreting and filling in all the crevice, etc. guniting of sides especially the south side was also done and this would go a long way to increase the life of this outfall.

## (2) Sewage Purification Works—Dadar.

242. *General.*—The sewage Purification Works functioned satisfactorily throughout the year. The total amount of sewage received for treatment at the plant was 4,162,983 million gallons, i.e., an average of 11,405 million gallons per day, as against an average of 10.26 millions gallons per day treated during the year 1953-54. The increase in the quantity of sewage received at the Plant was partly due to the increased flow from Matunga Pumping Station and partly due to the diversion of a part of sewage from Mahim Pumping Station to Dadar Purification Works, during the total stoppage of Dadar Pumping Station for 3 weeks, to facilitate installation of high capacity pumps. During this period, the sewage to both Dadar and Dharavi Plants was so regulated as to maintain the gas generator to meet the commitments of gas supply for domestic consumption to hospitals and other private institutions.

243. Out of the 11,405 million gallons per day sewage received at Dadar for treatment, 7.25 million gallons per day sewage received complete treatment while the remaining 4.155 million gallons per day sewage received only preliminary treatment.

244. The final effluent turned out by mixing both partially and completely treated sewage was quite satisfactory for discharge into the adjoining S. W. D. Appendix F-1 gives in a tabulated form the working details of the entire plant for 1954-55.

245. The work of replacement of existing pumps at Dadar Pumping Station with new larger ones had to be carried out with minimum stoppage of the station. Our commitments of gas supply to hospitals and other public and private institutions have made it absolutely necessary to treat about 10 million gallons per day sewage flow at this plant so as to generate sufficient gas for the purpose. Hence, during the total stoppage of Dadar Pumping Station, a part of the sewage which was pumped in to Dharavi Purification Plant from Mahim Pumping Station was diverted to this Plant.

246. *Activated Sludge Plant.*—The work of replacing the worn-out aeration cones of the two remaining Aeration Rows of the A. S. Plant, with new ones manufactured in the Municipal Workshops was completed during the year. The work of overhauling the entire machinery of these two rows has been taken in hand. The remaining part of the A. S. Plant functioned quite satisfactorily during the year.

247. *Enclosed forced Draft Filters.*—The three enclosed forced draft filters worked satisfactorily during the year and turned out effluent of tolerably good quality under local conditions. The corrosion of the revolving sprinkling arms of the filter still remains a problem to be solved. 'Inertol Black paint' seems to offer a better protection against corrosion, but the results of the experiment are yet in conclusive.

248. *Digestion Tanks.*—Since 20th December 1954, Digestion Tank No. 1 has been thrown out of commission for carrying out the work of replacement of the existing Asbestos-cement covered floating roof with a new all steel M. S. floating roof. The work has been entrusted to Messrs. Duncan Stratton & Co. Ltd. Our previous experience of emptying this 72'-0" deep tank was fully utilised for emptying the tank. As a result the entire tank was emptied on this occasion within a month, whereas the same operation required five months in 1946. The digestion tank is expected to be ready for operation by the end of September 1955.

249. During this period of closure of the tank, Digestion Tank No. 2 was being loaded heavily, so as to generate the required quantity of gas. The possibilities of scum formation in this digestion tank are met with by increasing the working hours of agitation mechanism. However, such overloading cannot be continued more than a year without being detrimental to the tank operation.

250. The total quantity of sludge gas generated during the year under report amounted to 44,120 million cubic feet a decrease of 0,990 cubic feet under that generated in the previous year. The decrease in the gas generation is due to the working of only one digestion tank during the last quarter of the year. The daily average gas generation during the year was 1,20,871 cubic feet. The highest and the lowest gas generation during the year was 1,52,500 and 72,540 Cubic feet respectively.

251. The average daily consumption of gas for domestic and industrial purposes etc., is 86,744 C.ft. Sludge digestion is a biochemical reaction which considerably depends upon temperature, the quantity of sludge available for digestion, and its PH value. Owing to the heavy continuous down-pour during the monsoon this year, the gas generation dropped down so much as to force a temporary stoppage of gas supply in certain localities. In order to ensure a satisfactory gas service throughout the year it is proposed to install an additional 50,000 C.ft. gas holder, which will increase the gas-storage capacity to tide over such temporary difficulties. It will also enable the Department to extend the present gas service.

252. The statement of gas generation and utilisation during the year is given in Appendix F-2. The revenue realised by the sale of gas during the year amounted to Rs. 1,23,283-14-0 giving an increase of Rs. 12,041-8-0 over the previous year.

253. *High Pressure Gas Compressor.*—This compressor worked satisfactorily during the year. The Gulley Emptyer vehicle of the Drainage Branch worked satisfactorily on compressed washed sludge gas. This has saved petrol consumption of about 744 gallons representing a saving of Rs. 1,929-12-0 at Rs. 2-9-6 per gallon of petrol.

254. The working days of the H. P. Compressor during the year had to be curtailed partly due to a prolonged breakdown of "Gulley Emptier" vehicle and partly due to operation of only one Digestion Tank, which reduced the output of gas.

255. *Gas Engines.*—The Engines worked satisfactorily during the year for 708 hours generating 40 152 K.W.H. which resulted in a reduction of about Rs. 1 877-7-0 in the amount payable to the B. E. S. T. Undertaking. The working of the Engines had to be curtailed particularly during the heavy downpour, when gas generation was very low. During the last quarter of the year, the gas engines were not worked due to closure of Digestion Tank No. 1.

256. *Sludge drying beds and the Digested sludge Manure.*—During the year, the digested sludge manure was sold to the contractor at Rs. 11-4-0 per 100 cubic feet. The revenue realised by the sale of manure during the year amounted to Rs. 8,704-14-0. As the contract for sale of sludge manure terminated during the year, fresh tenders were invited, which has increased the price of digested sludge manure to Rs. 19-4-0 per 100 cubic feet indicating the increasing demand for digested sludge for manure purpose.

257. *Laboratory.*—5,124 sewage sludge and gas samples were examined during the year. These samples include samples from Dadar, Dharavi and Khari Purification Works. During the current year, the effect of flocculation on sewage at Love Grove was studied in the laboratory in order to enable the tenderers to get an idea about the Plant scale performance.

258. The Experiments regarding the preparation of compost manure utilising town refuse and sewage sludges were completed during the year. The findings were as under:—

(i) Properly sorted and dried Bombay City Refuse is readily compostible when liquid raw sewage sludge or liquid digested sludge are used as activators, without causing smell and fly nuisance.

(ii) The total composting period required, including final maturing, is about 12 weeks, out of which, about 5 weeks are required in the compost pits with two turnings and the remaining 7 weeks for final maturing.

(iii) Periodical turning of the composting mass maintains higher temperature for comparatively longer period and thus hastens the reaction, which gets completed in shorter time. It was noticed that the maximum temperature reached varied from 50°—68°C.

(iv) The compost manure so prepared, when tried in the Victoria Gardens, has been found to be even superior to Digested Sludge and Farm Yard Manure in which case the plants show burning effects.

(v) The biological activity attained during composting of refuse with raw sewage sludge is higher than that attained while using Digested Sludge as Activator.

(vi) The depth of the composting mass should not be less than 3'-6" for satisfactory composting.

(vii) About 105 gallons of liquid sewage sludge is required for satisfactory composting of 75 c.ft. refuse.

259. The work of filling in the low lying lands on the Extension Plant with the City Refuse and excavated earth progressed satisfactorily during the year.

260. The total expenditure on power, stores, laboratory, establishment, etc., for the Purification Plant, Sewage Pumping Station, Digestion Tanks and other gas utilisation system amounted to Rs. 2,05,732-10-0.

261. *Repairs Workshop.*—The work of installing machinery and providing electric supply was nearing completion. The Workshop will start functioning soon.

### (3) Sewage Purification Works—Dharavi

262. During the second year of its operation i.e., 1954-55 the Plant worked satisfactorily for most of the period. The total volume of sewage received during the year was 1,139.81 million gallons i.e., an average of 3.13 million gallons per day. The complete data of sewage inflow, gas generation, silt and screening removed and energy consumed are tabulated in Appendix F-4.

263. *Screen Unit.*—The raking mechanism worked satisfactorily throughout the year except on one occasion when it got jammed with the screen bars as a damaged tin box got wedged between the two and caused shearing of the driving sprocket wheels. They were replaced within a week's time. During this breakdown, the hand screen was put on trial for a short time but was found inconvenient to work and also ineffective, since for most of the time the level of sewage was much above the screen top and all the rubbish overflowed on to the other side. A standby mechanical rake seems to be therefore absolutely essential.

264. *Sewage Pumps.*—The capacity of the pumps had gone down by about 30 per cent during the second year of their operation due to suspected wearing out of the impellers and liners. Arrangements have been made to replace the liners. Otherwise the pumping station worked satisfactorily during the year.

265. *Detritus Tank.*—The original compressor for the air-lift pump was replaced by a 50 per cent oversized one and thereafter the Detritus Tank was working satisfactorily. On one occasion there was a heavy in-pour of silt due to emptying of the sewers at Matunga Pumping Station and over 12 brass of silt, accumulated in a day, were removed by manual labour, from the Detritus Tank and the pressure duct.

266. *Preliminary Settlement Tank.*—The preliminary settlement tank was frequently disturbed by the choking of the pneumatic pumps. The design of the pumps was further improved but it has not come up to expectations.

267. *Filters and Final Settlement Tank.*—These units worked satisfactorily throughout the year. The working of pneumatic pumps in Final Settlement Tank has improved considerably, though not as expected. After the aforesaid modifications were made in the design, they worked satisfactorily.

268. *Digestion Tank.*—The digestion tank was loaded to its normal capacity and the machinery worked satisfactorily throughout the year. The present gas holder is showing signs of deterioration as it is constantly floating on sludge containing considerable amount of Hydrogen Sulphide. It is being regularly painted outwards and various paints are being tried on it but nothing has come up to the mark so far. No preventive measures could be taken on the inside surface.

269. *Drying beds.*—The drying beds were found to be insufficient and at least half the digested sludge is jet into the creek for want of drying space.

270. *Gas Generation.*—The daily average gas generation at that Plant during the year was 40,000 cubic feet. The gas supply for domestic consumption in the Sion area is being steadily extended. The revenue realised by sale of gas in Sion area during the current year amounted to Rs. 6,814-14-0 representing utilisation of 4,878 cubic feet of gas daily for domestic consumption. It is noted that the Hydrogen Sulphide contents in

gas at Dharavi Plant is sometimes as high as 57.0 grains per 100 cubic feet. This excessive increase in H<sub>2</sub>S contents is due to the high SO<sub>4</sub> contents in Dharavi sewage mostly due to sea-water infiltration in sewers and partly due to presence of the tanneries in Dharavi area. The average H<sub>2</sub>S contents in gas at Dadar Plant is 7-10 grains/100 cubic feet. As the gas purifiers at Dadar Plant are not found useful owing to low H<sub>2</sub>S contents in Dadar gas, it is proposed to transfer them to Dharavi.

### B—PUMPING STATIONS

271. The City sewage continued to be discharged into the sea at three places viz., Love Grove Outfall, Cleveland Bunder Storm Water Channel and Dharavi (Sion) Creek during the year. It was lifted through 13 Pumping Stations, 6 of which viz., Dadar, Globe Mill Passage, Matunga, Mahim, Jacob Circle, Tulsi Pipe Line Road are major pumping stations and the remaining 7 viz., Dharavi, Sion, Wadala Nos. 1 and 2, Sewri, Tank Bunder and Warden Road, are secondary pumping stations. The Globe Mill Passage Pumping Station which was installed and put into operation from September 1954 replacing the nearby ejectors was a new addition to the list of pumping stations. The Parel-Poibavdi Pumping Station was, however, closed from January 1955 and by the close of the year the total number of pumping stations remained the same as in the last year.

272. All the pumping stations worked satisfactorily throughout the year. Statistical information about the working of the stations is given in Appendix F. 5.

273. The work of replacement of old pumps with new ones of 4 M. G. D. capacity at Dadar Pumping Station was taken in hand from 15th November 1954. The work of the extension to the Matunga Pump House was completed and the new Pumps started functioning from February 1955.

### C—COMPRESSOR STATIONS AND EJECTORS.

#### (a) Compressor Stations.

274. The four electrically driven air compressor stations at Victoria Gardens, Fergusson Road and Colaba and Warden Road worked satisfactorily during the year.

275. The work of re-conditioning a part of the ceiling of the basement of the Colaba A. C. Station was started from November 1954 and was expected to be completed by June 1955.

276. The ejectors at Carrol Road and Globe Mill Passage were being supplied with compressed air from the Fergusson Road A. C. Station. The ejectors at Delisle Road and Fergusson Road have been closed down after the starting of the Tulsi Pipe Line Pumping Station. The Globe Mill Passage Ejector is kept closed from 8-00 A.M. to 4-00 P.M. since the starting of the Globe Mill Passage Pumping Station. At present the Globe Mill Passage Ejector and the Carrol Road Ejector are being supplied with compressed air from this station. Steps are being taken to install a booster compressor at Carrol Road and after such a booster compressor is installed, the Fergusson Road A. C. Station can be finally closed down.

277. The repairs to the leaky air mains at Warden Road A. C. Station were in progress during the year. The air pressure was maintained at 20-25 lbs. per sq. inch.

#### (b) Ejectors.

278. The underground ejector installations serving the southern, central and northern areas in the City continued to operate for lifting sewage from low-lying areas as in the previous year. These installations work on compressed air supplied by the four air compressor stations detailed above. Most of the ejectors have served their useful life. Further their capacity is found to be inadequate to cope with the peak-load flows reaching them. Wherever possible the ejectors are, being replaced by pumping units and where it is not possible to do so, it is proposed to replace the existing vessels of the ejectors by new ones of larger capacity. The following ejector stations have been or will be replaced by the pumping units:—

279. *Delisle Road and Fergusson Road Ejectors.*—These ejectors have been closed down from 11th November 1953 when the new Tulsi Pipe Line Road Pumping Station started functioning.

280. *Ejector at Globe Mill Passage.*—This ejector is kept closed down during day-time since the new Globe Mill Passage Pumping Station started functioning.

281. *Ejector at Chinchpokli.*—This ejector is still in action and can be closed only when the Chinchpokli Pumping Station comes up and starts functioning. The Scheme has been sanctioned and is awaiting execution as possession of the land for the proposed pumping station is yet to be secured.

282. *Ejector at Church Street.*—The work of replacing the existing ejector at Church Street by a Pumping Station already sanctioned by the Corporation could not be proceeded with due to high rent for land demanded by the Port Trust.

283. The total expenditure incurred on the maintenance of Compressor and Ejector Stations amounted to Rs. 2,06,766.

### D—FLOOD GATES.

284. There are three flood-gates and five drop-gates at Love Grove, two flood-gates with 8 needle-gates at Cleveland Bunder and three wooden needle-gates at Dharavi. The cost of maintenance of the flood-gates during the year amounted to Rs. 12,906.

### E.—REFRIGERATION PLANT AT ARTHUR CRAWFORD MARKET.

285. The new Refrigerator Plant at Arthur Crawford Market worked satisfactorily during the year.

### F—MUNICIPAL WORKSHOPS

286. The total expenditure on departmental works carried out in the Municipal Workshops during the year amounted to Rs. 3,76,852 as against Rs. 5,22,796 in the previous year. The expenditure on the upkeep and overhead charges of the Workshops amounted to Rs. 90,612. This gives 24.04 per cent incurred on labour and stores against 24.71 per cent for the preceding year.

**G.—MUNICIPAL FOUNDRY.**

287. Most of the work in connection with the installation of the foundry was completed. Both the cupolas and pit-furnaces started working regularly. The rates for different types of castings were sanctioned by the Municipal Commissioner for the year 1954-55 as the Foundry is working on Suspense Account basis. Details of the total output during the year along with the sanctioned rates for the castings are given in Appendix F-6.

288. Some special types of castings like C. I. special pipes (bends) for Matunga Pumping Station, impellers for various pumping stations, penstock gate for H. E., winches for Drainage Department, and other intricate castings were manufactured in the foundry this year. The rates compared very favourably with those of the outside manufacturers. The quality and the soundness of the product was also quite upto the mark. Most of the castings required by the various departments including C. I. manhole steps, inspection chamber frame required for departmental works and for supplying to Municipal contractors for the execution of Municipal drainage schemes are now being manufactured in the Municipal Foundry.

**H.—DESIGN SECTION.**

289. The Design Section of the Municipal Workshops carried out the work of preparing estimates, drawings, and drawing out specifications for machinery to be purchased, mechanical repairs and furniture to be purchased and/or to be manufactured for various departments of the Municipality. In addition, this Section executed outdoor mechanical jobs for various departments.

290. During the year 1954-55, this section prepared in all 228 detailed estimates, estimated amount thereof being Rs. 4,14,320. During the year under review, it executed 396 outdoor jobs at a total cost of Rs. 55,450.

291. As regards the purchase of furniture and machinery, in all 40 sealed tenders and quotations were invited by this Section. The total purchase cost was Rs. 1,34,164, out of which furniture purchased was worth Rs. 35,476, while machinery was worth Rs. 98,688.

292. This Section also prepared 67 drawings and sketches for furniture, machinery, spare parts to be purchased and repaired, and also 500 Blueprints were taken of various drawings.

**J.—ELECTRICAL SECTION.**

293. This Section looks after all Municipal electrical installations—except those under H. E. and in ex-Trust Chawls.

294. The type and nature of works handled by this Section is varied and includes works in connection with—

- (1) Minor jobs of repairs and maintenance for lights and fans.
- (2) Re-wiring of installations.
- (3) New installations for offices, gardens, hospitals, etc.
- (4) Electric lifts, air-conditioning, refrigeration, mortuary plants, etc.
- (5) Maintenance (electrical) of sewage, pumping and purification installations for major faults and failures.
- (6) Electric installations of major nature including electrification of Municipal tenements under the E. A. & L. M. and H. S.

295. Works carried out during the year are broadly classified as 225 major, 540 minor works and 20 works carried out through outside parties.

296. Some of the important works carried out during the year are as below:—

**Municipal Head Office.**

- (1) Provision of fluorescent fittings on 2nd and 3rd floors. Head Office Departments are thus provided on all floors with fluorescent lighting.
- (2) Installation of water cooler equipment is nearing completion.
- (3) Air-conditioning Corporation Hall and Mayor's Room : Tenders were invited and have been received.

**Lifts.**

- (1) Lift in out-patients' department in K. E. M. Hospital : Work nearing completion.
- (2) Lift in Improvement Trust Building : Order placed.
- (3) New lift in the existing lift well at Head Office : Tenders were under consideration.

**Markets.**

- (1) Re-wiring of Arthur Crawford Market Office—completed.
- (2) Electrification of Erskine Road Market—tenders were received by the close of the year.

**Ex-Trust Chawls.**

- (1) Aproximatel 1,200 tenements in Chawls at Sydenham Road, Nagpada and 11 chawls at Maza-gaon, Tarwadi were provided with electrification on basis of independent meters.
- (2) 76 tenements at Palton Road which had controlled supply were provided with independent meters.

### New Structures wherein lights were provided

- (1) 194 Tenements at Sewree. (2) 66 Tenements at Wada'a. (3) 44 Flats and 10 Tenements at Wadala. (4) 64 Tenements at Dharavi. (5) 110 Tenements at Haystack Road.

### Republic Day Illumination

Illumination for Municipal Buildings, Gardens, etc. was executed for the first time economically and successfully by departmental staff.

### CREMATORIUM

Operation of one furnace was started on the 6th May 1954 and since 28th February 1955 one furnace was always kept working. 688 bodies were cremated during the year. Both the furnaces worked satisfactorily throughout the year.

### K—GENERAL

297. The recommendations of Messrs. Ibcons Ltd. with regard to the improvement of the working of the Municipal Workshops were being gradually implemented during the year.

### VII—TRANSPORT

298. The main responsibility of this Branch is the repairs and maintenance of the refuse and transport vehicles in its charge and execution of various repairs jobs of the different departmental vehicles except those belonging to the Hydraulic Engineer's Department and the Fire Brigade who have their own separate staff and workshops for maintenance and overhaul of their vehicles. The branch is in-charge of an Assistant Engineer 1st Grade styled as "Transport Superintendent."

299. Until lately this branch was under the control of the Mechanical Engineer. Due to addition of a large number of vehicles to the Municipal Fleet during the last few years and the consequent increased activity a new separate branch under Transport Superintendent was created *vide* C. R. No. 1130 of 11th January 1954). The Transport Superintendent is in full charge of all Municipal vehicles in the City and Suburbs. Shri A. M. Albuquerque L.M.E. L.E.E. "A" Grade Officer of the B. E. S. & T. Undertaking was appointed for a period of 6 months as Transport Superintendent and he took charge of the Branch on 27th December 1954. One of his first duties was to study the working of this section and submit reports suggesting improvements for better garaging facilities drawing up preventive maintenance schedules etc.

### A—FLEET OF VEHICLES

300. There were 457 vehicles in commission in the City during the year under review as against 448 in the previous year. During the year 9 new vehicles were purchased. One new Bull-Dozer was also added at a cost of Rs. 35,680 in order to level the refuse heaps dumped at the different dumping grounds. The use of the bull-dozer besides expediting the work has shown a considerable saving as no manual labour is now employed for levelling the dumps. Detailed information as regards the vehicles and the expenditure incurred on them for repairs and maintenance is given in Appendix 'G'.

301. An electrically powered air compressor and a washing plant was purchased during the year and it is proposed to instal them at the Mahalaxmi Siding where the tyre pressures of all the vehicles (including trailers) coming to unload the refuse will be tested and inflated if found necessary. Similarly since most of the garages have no washing facilities the various trailers and power-driven vehicles will be washed here during their last trip.

302. Eleven vehicle which were out of commission for a long time and have served their useful life are proposed to be scrapped and auctioned.

### B—GARAGING OF VEHICLES

303. As in the previous year the majority of the vehicles were garaged at 5 different places in the City *viz.* the Refuse Vehicles at Arthur Road, Annesley Road and Palton Road; Ambulances, Hearses and the staff cars at the Ambulance Garage at Arthur Road and the Meat Vans, Offals and School Buses at Foras Road. At each garage, except the Ambulance Garage, running repairs were carried out to the vehicles which were also attended for renewal of fitness certificate as far as the mechanical side is concerned, but the body work and painting was attended to at the Mechanical Shops. Major repairs and overhauling work of the engines and other chassis units were generally carried out at the Motor Repairs Shop of the Municipal Workshops situated at Foras Road. Other works such as body repairs, upholstery welding work and painting was also being done at the Mechanical Shops.

304. The refuse vehicles comprise of 23 Leyland Moving Floors, 29 Scammell Mechanical Horses and 188 trailers, 39 Fergusson Tractors and Trailers, 13 Bantam Karriers and 75 Moto Carts. In order to facilitate proper control and minimise idle running a proposal was approved during the year to shift some of the refuse vehicles from Arthur Road Garage to places where those vehicles generally work. Accordingly, 29 Scammell Mechanical Horses were shifted to 'D' Ward, Annesley Road Stables. Plans to further decentralise the Arthur Road Garage were also finalised during the year and 39 Fergusson Tractors and Trailers will be shifted to G/ North Stables at Sorab Mill Lane when those stables are modified to suit the garaging of the vehicles. The 'Moving Floors' will be shifted to the Transport Garage, Worli.

305. The Scheme for constructing a central garage at Worli approved by the Corporation as early as 1949 had again to be deferred due to financial stringency and revised proposals to house a majority of the vehicles at the Transport Garage at Worli were under considerations and plans in this respect were being finalised by the close of the year.



### C—LEYLAND MOVING FLOOR LORRIES—CONVERSION INTO FIXED LORRIES

305. The fleet of the 23 Leyland Moving Floor lorries purchased under the 3 year programme 1948-49, 1949-50 and 1950-51 wherein the refuse is compressed and pushed forward by means of a conveyor system consisting of slats and unloaded by reversing the process was found unsuitable for our City refuse as it contains pieces of tin, glass, rags, waste etc., which get wedged into the Salts of the moving floor causing frequent damage and consequent hold up of the vehicles and hence it was decided to remove the slats and have a fixed floor with hydraulic tipping arrangements. Accordingly, an order was placed during the year for the conversion of these vehicles and by the end of the year, 4 vehicles have been converted and put into operation. The conversion is giving good results and now the converted vehicles never return defective as far as the floor is concerned.

### D—DISPOSAL OF REFUSE

307. The total collection of the refuse in the City limits exceeded 2,000 tons per day during the year, especially during the peak fruit season. Part of the refuse continued to be disposed off by transporting it in Railway Wagons from a special siding at Mahalaxmi to Deonar. The remainder was disposed off by dumping it on the lowlying lands behind the Jewish Cemetery at Haines Road or those at Dharavi.

308. On account of shortage of vehicles and increase in the quantity of refuse, the refuse vehicles garaged at Arthur Road and Annesley Road worked double shifts of 8 hours each from 6 A. M. to 2 P. M. and 2 P. M. to 10 P. M., whereas those garaged at Palton Road worked in 2 shifts of 4 hours each from 7 A. M. to 11 A. M. and 2 P. M. to 6 P. M.

309. Due to the irregular Katchra train services and non-availability of wagons, especially during the monsoon, the refuse which was directly emptied into the wagons had to be dumped at the Palton Road and Prabhadevi Yards, Mahalaxmi Siding and the Haines Road dumping ground. There being no approach roads to the Haines Road ground, the breakdowns were greater and some of the vehicles got bogged and were badly damaged. This caused serious dislocation of the transport vehicles and delay in disposal of refuse. Proposals to construct waterbound roads with unloading platforms at Haines Road ground and Dharavi and to hire or purchase more wagons from the Railways were finalised during the year under review. The road at Haines Road dumping ground is expected to be ready before the next monsoon and as regards the hiring or purchasing of additional wagons it is hoped attempts in this respect will be fruitful.

### E.—AUGMENTING THE FLEET

310. In order to augment the existing fleet to meet the growing requirements and to provide a standby, 6 Scammell Horses were ordered during the year. Street refuse dumps are an eyesore and in order to eliminate as many refuse sheds and dust bins as possible, a scheme to purchase a new fleet of 15 pick-ups, 90 trailers and 12 low-loaders to replace the moto carts was finalised, for which funds were provided in the next year's budget. Out of the 75 moto carts purchased in the year 1949-50, on an average, 30 moto carts were on the road. The engines, gearboxes, etc., of the rest have become unserviceable and have finished their useful life. In order to make use of these bodies, which were in a fairly good condition, a proposal to convert 30 moto carts into trailers was approved and the work was taken in hand departmentally and majority of this conversion was completed during the year.

### F.—GENERAL

311. Messrs. Ibcn Ltd., who were entrusted with the reorganization work of the Transport Utilisation submitted their report and their recommendations were under study and consideration by the end of the year.

312. In order to achieve better co-operation and cordination between different sections, the Transport superintendent introduced fortnightly meetings of the officials of the Branch. The discussions at these meetings have made it possible to issue instructions from time to time to improve the general efficiency of the Branch and to turn out the maximum number of vehicles in service.

### VIII.—TOWN PLANNING SCHEMES

313. There are 4 Town Planning Schemes so far formulated in the City under the provisions of the Bombay Town Planning Act, 1915. Town Planning Scheme, Bombay City No. 1 is in respect of the Mandvi and Elphinstone area a part of which was devastated by the dock explosions and subsequent fires in 1944. The other three Town Planning Schemes are in respect of the Mahim Area and are styled as Town Planning Schemes, Bombay City Nos. 2, 3 and 4.

314. The area under all the Town Planning Schemes 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 buildings in the Scheme were scrutinized and Commencement Certificates issued in concurrence with the Arbitrator.

315. At the end of the year, the position in respect of the different Town Planning Schemes was as under.

#### Town Planning Scheme, Bombay City No. 1 (Mandvi)

315. The Arbitrator having completed his Proceedings etc., published his Award on 31st March 1954 and forwarded the same to the President of the Tribunal of Arbitration as required under Section 32 of the Town Planning Act, 1915. The Tribunal consisted of the following persons:—(1) Sir Nawroji J. Wadia, (President.) (2) Shri Joshi, Assessor (3) Shri Kamtekar, Assessor.

317. The Tribunal started their Proceedings in the University Building on 26th July 1954 and gave the decision on 3rd November 1954. The final Scheme was drawn up by the Arbitrator in conformity with the decisions of the Tribunal. The same was then submitted to the Corporation for being forwarded to Government for sanction on 29th December 1954 by the Arbitrator. The Town Planning Scheme, Bombay City No. 1 has thus gone through all the stages as required under the provisions of the Act and Government's sanction is now awaited thereto.

### Town Planning Scheme Bombay City No. 2 (Mahim)

318. Subsequent to the sanctioning of the Draft Town Planning Scheme by the State Government in the previous year, Shri V. K. Bakre, Consulting Surveyor to the Government of Bombay, was appointed as Arbitrator and he assumed his duties on 16th November 1953. By the end of the year the Arbitrator had completed the Arbitration Proceedings and his award is expected shortly.

### Town Planning Scheme, Bombay City No. 3 (Mahim)

319. The State Government under their L. S. G. and P. H. D. Resolution No. T.P.B. 1253 of 9th August 1954 sanctioned the Draft Town Planning Scheme and appointed Shri G. J. Desai, Retired Consulting Surveyor to Government as Arbitrator in respect of the Scheme. During the year, the Arbitrator commenced the arbitration proceedings which were still in progress by the end of the year.

### Town Planning Scheme, Bombay City No. 4 (Mahim)

320. The draft Scheme was forwarded to the Government for their sanction on 27th August 1954, and their sanction was accorded on 3rd January 1955 under L.S.G. & P.H.D. Resolution No. T.P.B. 1354. Shri G. J. Desai, was subsequently appointed Arbitrator for this Scheme on 14th March 1955 and took charge of his duties on 24th March 1955. Arbitration proceedings had not commenced by the end of the year under report.

### General

321. The following is a statement of commencement certificates under Section 15 of the Bombay Town Planning Act, 1915, actually issued during the previous years and the year under reference as well as permits issued under section 3 of the City of Bombay (Building Works Restriction Act), 1949, during the previous years.

	T.P. Scheme No. 1	T.P. Scheme No. 2	T.P. Scheme No. 3	T.P. Scheme No. 4
Permits issued during the year ...	...	<i>Nil.</i>	<i>Nil.</i>	<i>Nil.</i>
Total No. of permits issued from the beginning to the end of the year.	...	<i>Nil.</i>	171	203
Commencement certificates issued during the year ...	41	19	48	127
Total No. of commencement certificates from the beginning to the end of the year.	295	99	323	417

322. The total expenditure incurred in connection with the Town Planning Scheme No. 1 and that incurred in connection with the preliminary works of the Town Planning Schemes Nos. 2, 3 and 4 together from the commencement upto the end of the year under report comes to Rs. 4,92,020 and 5,10,268 respectively. The expenditure incurred during the year under report comes to Rs. 56,420 and Rs. 1,08,077 respectively.

### IX.—FACTORY PERMITS

323. A proposal to introduce a co-ordinated control on land use by the introduction of "Zoning" has been receiving the consideration of the Executive for the last few years. The revised Draft Zoning Legislation prepared by Messrs. Crawford Bayley & Co., in the light of the Counsel General's opinion was forwarded to Government for legislative sanction. Government have replied that in their opinion this new legislation does not appear to be necessary in view of the amendment to the Town Planning Act, recently passed by the Legislative Assembly, which enables every Local Authority in Bombay State to prepare a "Development Plan" embodying therein the Zoning Districts contemplated by the Corporation. The matter is being further pursued with Government.

324. In the meantime the establishment of factories in Greater Bombay is being controlled under section 390 of the Bombay Municipal Corporation Act. This control naturally offers scope to restrict factories to suitable sites and thereby ensures a partial Zoning control. For administrative convenience, it was therefore decided to transfer from the Health Department to a specially created Branch under the City Engineer the work of issuing written permissions under Section 390 of the Bombay Municipal Corporation Act for the establishment and working of factories in Greater Bombay. The New Branch, which for the present is called "Factory Permits Branch" accordingly started functioning from 1st March 1955.

325. The creation of a separate staff for the Branch was under consideration at the end of the year. In the meanwhile, the work has been entrusted to the staff partly transferred from the Health Department and partly made available from the "Pool" created by the proposed abolition of certain posts under the Reorganisation Scheme of the Engineering Department. Factory Inspectors previously working under the Mechanical Engineer have also been transferred to this Branch. As the Branch has been recently created, there is little to report upon the activities of the Branch, at this stage.

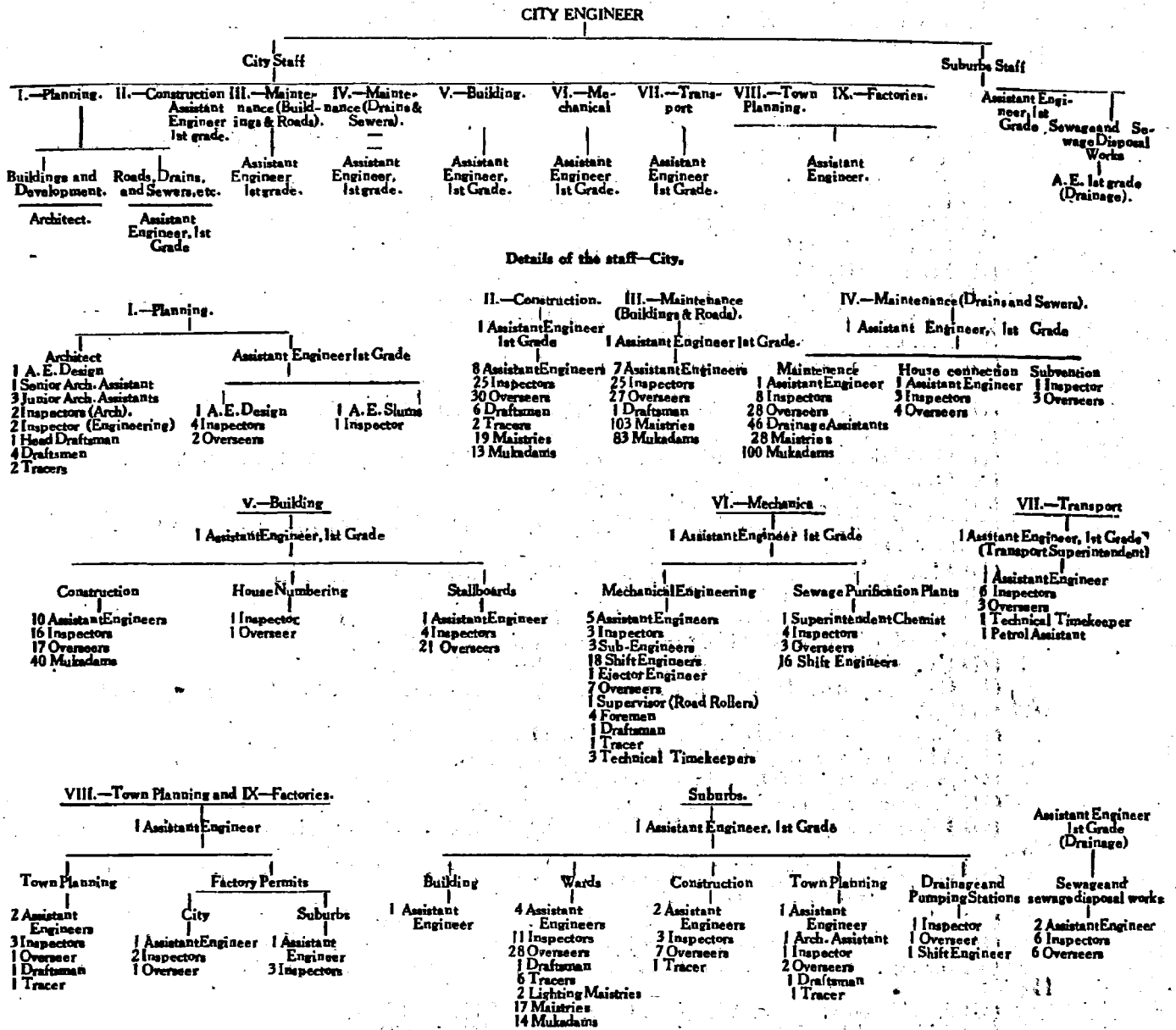
326. The monthly meetings of the Zoning Committee consisting of the heads of different Branches concerned and which started functioning in 1951 for the purpose of coordinating the work of all the Departments of the Corporation in this connection were continued during the year.

K. B. CARNAC,  
City Engineer.

APPENDIX—'X'.

GENEOLOGICAL SET-UP OF CITY ENGINEER'S DEPARTMENT.

Note: The staff shown herein is as per actuals working in the Branch as on the last day of the official year 1954-55.



## APPENDIX A-1.

Appendix A showing the Building Works for which plans, designs and cubage or detailed estimates were prepared during the year 1954-55.

- (1) Kena Stalls at Bandra Slaughter House.
- (2) 156 Tenements at Haystack Road, Mahalaxmi (inclusive of the construction of 10' wide cement concrete passage).
- (3) An additional school building in the compound of Petit School, Bandra.
- (4) A Unit of 10 W.C.'s and a Washing Place with three taps in new tenements Matunga Labour Camp, Dharavi.
- (5) A Unit of 20 W.C.'s and a washing place with 4 taps in new tenements Matunga Labour Camp Dharavi.
- (6) Two chawls each of 10 tenements at Labour camp, Dharavi.
- (7) 420 tenements to replace the existing patra chawls at Mahalaxmi known as "Tardeo Flats."
- (8) Compound Wall for the sewage Purification Works at Dadar.
- (9) 109 stalls and pavement at Gold Mohor Cattle Market, Byculla.
- (10) Bath rooms and Urinals at Sewri Crusher.
- (11) Maternity Unit Ambulance at Bellasis Road Maternity Home.
- (12) Conversion of Foras Road Dharamshala into an Anti-TB Demonstration and Training Centre.
- (13) School Building in the Squatters' Colony at Mankhurd (Scheme A).
- (14) School building in Squatters Colony at Mankhurd Scheme B).
- (15) Quarters for teachers and peonis for Squatters' Colony at Mankhurd.
- (16) Gymkhana Structure for tenants of the Mazgaon Chawls, Bombay.
- (17) Additional third and fourth floors over R.P.T.B. Hospital at Sewri.
- (18) Building No. 1 for Municipal General Hospital, Sion.
- (19) Hostel Building for 120 male students of T. N. M. College at Haji Ali Park, Hornby Vellard.
- (20) Convalescent Home and staff quarters at Parel.
- (21) School Building on Plot No. C.S. 94 at Elphinstone Road.
- (22) School Building on plot No. C.S. 1679 (Part) at the junction of Morland Road and Mohamedali Street of Byculla Division.
- (23) Municipal Primary School at the junction of Dr. Annie Besant Road and Haines Road.
- (24) School Building on Plot No. 92C, in T.P. Scheme, Bombay City No. 2, Mahim area.
- (25) Proposed additional floors over the existing Nurses quarters at R.P.T.B. Hospital, Sewri.
- (26) School Building on Plot No. 2 and 3 Mahalaxmi over Bridge Estate.
- (27) Four additional Rooms for Firemen at Worli Fire Station.
- (28) Construction of a building for an office, stores, garages and aquarium for Malaria Inspector's Office at Platon Road.
- (29) Sweepers quarters at DeLisle Road, 1st Cross Lane.
- (30) Additional floor over Municipal Marathi School, Sewri.
- (31) A compound wall at Daravi Purification Works.
- (32) Structure for Municipal St. Georges Hospital, Marathi Classes in the St. George's Hospital Compound
- (33) Labour staff quarters on Plot No. 290 (East), Scheme 6 Sion-Matunga Estate for M. G. Hospital, Sion.
- (34) Proposed extension, additional floor and alterations to Municipal Marathi School at Foras Road.
- (35) Workshop at K. E. M. Hospital, Parel.
- (36) Addition of second floor over the Kamathipura School Building at Suklaji Street.
- (37) Proposed Neuro Surgical Unit over J. M. Operation Block and Store at K. E. M. Hospital, Parel.
- (38) Staff quarters on Plot No. 190, Naigaum Estate, Scheme 60 for the proposed Clinic and Maternity Home.
- (39) An additional floor over Ward Nos. 1 and 5, K. E. M. Hospital Parel.
- (40) Additional floor (second) over Pathology Museum of G. S. M. College, Parel.
- (41) Additional second floor over the Municipal Urdu School, Imamwada.
- (42) Construction of store, etc., over kitchen Block (1st floor) K. E. M. Hospital, Parel.
- (43) Band Stand at Shivaji Park.
- (44) Dormitory at Palton Road.
- (45) Dormitory at Naigaum.
- (46) Two additional floors over the Nurses quarters at R. P. T. B. Hospital, Sewri.
- (47) Transit Camp consisting of 210 tenements on Ex-Milch Cattle Stable sites comprising C.S. No. 1969 (Part); 1975 (Part) and 1968 (Part), Byculla Division.
- (48) Typical Shower Baths in Working Class Localities.
- (49) Municipal Dispensary at Worli-Koliwada.
- (50) Tenements at Platon Road Estate at Plots Nos. 11, 12 and 13.

## APPENDIX A-2.

## Roads, Drains and Sewers.

List of works for which plans and estimates were prepared :—

- (1) S. W. D. in private street connecting Cores and Co., with Haines Road.
- (2) Sewers in private street connecting Cores and Co., with Haines Road.
- (3) 40' wide concrete road around Plot Nos. 91 and 92 at Lady Hardinge Road, Mahim. (Including footpath).
- (4) 20' wide concrete road around Plot Nos. 91 and 92 at Lady Hardinge Road, Mahim. (without footpath).
- (5) Providing S. W. D. arrangement around Plot Nos. 91 and 92 at Lady Hardinge Road, Mahim.
- (6) Providing street connections to the existing sewers at 91 and 92 Lady Hardinge Road.
- (7) Concreting of Falkland Road, 7th Cross Lane.
- (8) Providing S. W. D. at Falkland Road, 7th Cross Lane.
- (9) Deepening and widening of watercourse behind Arthur Road Prison.
- (10) Pacca drain in Sion Sind Seva Samithi and Punjab Refugee Camp.
- (11) 24' wide concrete road on south side Plot No. 160 Scheme No. 6 Sion Matunga Estate.
- (12) Construction of concrete passage leading to Municipal Sweepers colony at Haystalk Road.
- (13) Traffic Island at Jerbai Wadia Road, junction Hospital Avenue.
- (14) Semi-grouted passage between Estrella Batteries Co., Ltd., and Hindu Colony.
- (15) Dung Slummy plant at Khar.
- (15) Widening of Globe Mill passage at Worli.
- (17) Curtailment of footpath at L.S. Road for Sir Bhalchandra Road.
- (18) Two traffic islands at Junc. of L.S. Road and Lakhamsi Nappoo Road and extension of footpath at Sir Bhalchandra Road.
- (19) A blue stone pavement footpath at Nagdevi Street.
- (20) A macadam Road for Lovegrove purification Works.
- (21) Brick masonry parapet wall at Lovegrove Purification works.
- (22) Premix footpath at Nagdevi Street.
- (23) Relief S. W. D. for 3' circular drain at Vincent Road.
- (24) Drainage arrangement at Nagdevi Street.
- (25) Concrete road opposite Plot No. 116, Sion Koliwada.
- (26) A bluestone footpath opposite Sion Koliwada.
- (27) Shifting of Water entrance to the footpath at C. P. Road west side.
- (28) Kutcha footpath at the west side of Cowasji Patel Street.
- (29) Two Traffic Islands at the junction of Annie Besant Road, and Cadell Road.
- (30) Traffic Island at Bhau Daji Road, Jun. with Telang Road, Matunga.
- (31) Concrete Passage on East of Nare Park.
- (32) Removing the setts-stone paved surface and providing concrete surface at Calachowki Road, between Parel Chawl Road, and Reay Road.
- (33) Covering of open drain at Walkeshwar Road.
- (34) Diversion of Arthur Road.
- (35) Street connections to Plots Nos. 150 to 153 reserved for Municipal Schools on east side of Narepark.
- (36) Channelising Island at the junction of Jail Road east and Babula Tank Road.
- (37) Providing subway for pedestrians across Queen's Road.
- (38) Channelising at Charni Road Jun. with Queen's Road.
- (39) Concreting of DeLisle Road between Gokhale Road Jun. and Currey Road Jun.
- (40) Concreting of Road No. 30 Sion.
- (41) S. W. D. in Tulsi Pipe Road between Fergusson Road and DeLisle Road.
- (42) Concreting Flank Road west.
- (43) Providing sewer in Flank Road west.
- (44) Providing S. W. D. in Flank Road west.
- (45) Construction of Dung Slurry tanks at Dharavi.
- (46) Concrete passages at D. P. W.
- (47) Diversion of existing S. W. D. for proposed convalescent home at Parel.
- (48) Constructing kutcha footpath at Veer Nariman Road.
- (49) Approach roads for dumping ground at Dharavi.
- (50) Sewers street connection for the Bombay Gas Works of Chinchookli.
- (51) Storm water arrangement in new 60 feet road at Worli.
- (52) Sewers in new 60 feet road at Worli.
- (53) Concreting of new 60 feet road at Worli.
- (54) Concreting of Sion Circle and channelising islands around it.
- (55) Concreting of halfwidth of T. P. Road between Fergusson Road and Haines Road.
- (56) Concreting private street off Cadell Road.
- (57) Sewers in private street off Cadell Road.
- (58) Doubled baralled Cement concrete arched drain in lieu of open channel at Worli.
- (59) Double baralled brick arch drain at Worli.
- (60) Concreting private street in Maneckji Petit Mill compound.
- (61) S. W. D. arrangement in Maneckji Petit Mill compound.
- (62) Channelising Island at DeLisle Road at its jn. with Haines Road.
- (63) Channelising Island at Bazargate Street Jun. Mint Road.
- (64) Concreting of Mayo Road, Jun. with Veer Nariman Road.
- (65) Concreting of DeLisle Road, and Arthur Road, Junction.
- (66) Concreting of Kemp's Corner Junction.
- (67) Extension of Mereweather Road and compound Walls.
- (68) Concreting Road No. 28A Sion Matunga Estate.
- (69) Premix footpath and S. W. D. and Sewer arrangement in the Road No. 28A, Sion-Matunga Estate.
- (70) Concreting Road No. 28B Sion Matunga Estate.
- (71) Premix footpath, S. W. D. and Sewer arrangement in Matunga Estate.
- (72) Providing concrete passage between Road No. 28A and 26 at Sion.
- (73) 4' Dia. H. P. culvert at Dharavi.
- (74) Sewer in Hospital Avenue extension, Parel.
- (75) Concreting C. C. Arch for the cut fall No. 3 at Ranade Road, Dadar.
- (76) Diversion of S. W. D. at Neapean Sea Road.
- (77) Concreting Road near Jun. of Frere Road.
- (78) Diversion of Sewer in Plot Nos. 174 and 175 B. B. Reclamation Scheme.
- (79) Diversion of S. W. D. in Plot Nos. 174 and 175 B. B. Reclamation Scheme.

## APPENDIX B-1.

## HOUSING.

## I.—Works in progress since the previous year and completed during the year.

*Loan Works Budget 'A'.*

- (1) Construction of 96 tenements at Rajwadar Street, Colaba.
- (2) Construction of 144 tenements at Bapty Road Yard.

*Loan Works Budget 'B'.*

- (3) 194 tenements at Sewri.

## II.—New Works undertaken and in progress during the year 1955-56.

*Loan Works Budget 'A'.*

- (1) Construction of staff quarters for attendants at Biological Installation at Banganga.
- (2) R. C. C. Pile Foundation for the proposed 420 tenements at Mahaxmi for replacing the existing patra sheds known as 'Tardeo Flats.'

*Loan Works Budget 'B'.*

- (3) 60 tenements at Shantinagar, Arthur Road and 14 tenements at Chinchpokli.

## III.—Works for which tenders were invited at the close of the year.

- (1) Construction of superstructure for the proposed 420 tenements at Mahaxmi known as 'Tardeo Flats'
- (2) Construction of proposed dormitory on Plots Nos. 9 and 10 Scheme No. 73, Palton Road Estate.

## APPENDIX B-2,

## BUILDINGS OTHER THAN HOUSING.

## I.—Works in progress since the previous year and completed during the year 1954-55.

*Loan Works Budget 'A'.*

- (1) Construction of a Laboratory and Store Room at Dharavi Purification Works, Dharavi.
- (2) Construction of a Nursery Stores Shed at Victoria Gardens Road.
- (3) Renovating the Conservatory at the Victoria Gardens.
- (4) Reconditioning the Godown at the Central Stores, Byculla.
- (5) Construction of covered type—4-seated urinal blocks at—
  - (i) Hathi Baug, Love Lane, Mazagaon.
  - (ii) Extension to the existing, P. C. Block on Tulsi Pipe Road below Tilak Bridge.
  - (iii) Sanitary Block for the use of the menial staff at Dharavi Purification Works.

*Loan Works Budget 'E'.*

- (6) Construction of a school building on Plots Nos. 50, 51 and 52 Suparibaug Estate, Poitavdi.
- (7) Construction of an additional storey over the Rahimtulla Currimbhoy Urdu School, at Mahim.
- (8) Extension of Haji Ismail Haji Allana Municipal Marathi School Building at Artcp Hill, Matunga.

## II.—New Works undertaken and in progress during the year 1954-55.

*Loan Works Budget 'A'.*

- (1) Construction of a full-fledge market on Plots Nos. 102-104 and 120-121, Dr. Meisheri Road, Dongri.
- (2) Extension of Municipal Head Office Building at Cruickshank Road.
- (3) Construction of 2 additional floors over the existing building of the R. P. T. B. Hospital at Sewri.
- (4) Construction of Building No. 1 consisting of a basement and ground floor at Municipal Group of Hospitals, Sion.
- (5) Construction of staff quarters with a washing place at the electrically operated Crematorium at Chandanwadi.
- (6) Construction of 2 additional floors over the existing Skin and Veneral Department at Nair Hospital Building Annexe.

*Loan Works Budget 'B'.*

- (7) Addition of 2nd and 3rd floors over the existing building on Plots Nos. 106, Scheme 3 (known as Patel Building) at Sandhurst Road (East).

*Loan Works Budget 'E'.*

- (8) Construction of a school building on Plots Nos. 160B to 162A in Scheme 6, Sion-Matunga Estate.
- (9) Construction of a school building on Plots Nos. 27, 28 and 29, in Scheme 60, Naigaum Estate.

## III.—Works for which tenders were invited at the close of the year.

- (1) Construction of a godown, office, quarters on the site of the Milch Cattle Stable bearing C.S. No. 2023 of Byculla Division for the Central Stores.
- (2) Construction of a Clinic and Maternity Home on Plots Nos. 185 and 189 in Scheme 60, Naigaum Estate.
- (3) Conversion of 'F' Ward Conservancy stables into an Isolation Ward and a Clinic on Dadar Main Road.
- (4) Construction of a Convalescent Home comprising of 120 beds with staff quarters opposite Tata Memorial Hospital, Hospital Avenue, Parel.

## APPENDIX B.3.

Statement showing Roads, Footpaths, Drainage and sewer works executed by contract during the year 1954-55.

Serial No.	Name of Work.	Name of Contractor and S.C.R. No. and Date.	Contract amount inclusive of departmental works.	Actual expenditure including establishment charges during 1954-55.	Total expenditure upto 31st March 1955.	Remarks.
			Rs.	Rs.	Rs.	
1	Construction of an all concrete 4'-8" x 1'-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. Matiwala & Co., S. C. R. No. 2188 of 9-1-1952	2,64,480	...	2,06,840	Complete.
2	Construction of 6' x 9' all concrete ovoid sewer from Manhole No. 60 to Manhole No. 71 in Relief Sewer Scheme at Haystack Road.	Messrs. Shah & Vyas, S.C.R. No. 2689 of 2-3-1951.	4,49,916	42,863	4,25,076	Do.
3	Laying 9" Pipe sewer in Gollanji Hill Road.	Messrs. Kundarsingh Chattersingh & Co., S.C.R. No. 896 of 12-8-1953 & S.C.R. No. 2631 of 10-3-1954.	29,617	12,364	18,023	Do.
4	Laying a 33" dia. pipe sewer in Dadar Road between the Head Manhole of 2'-6" x 3'-9" ovoid sewer and the existing junction Manhole at the Poibavdi with a 9" pipe connection at the junction of Suparibaug Road and Elphinstone Road.	Messrs. Shah & Vyas, S.C.R. No. 734 of 22-7-1953.	83,231	73,756	74,720	Do.
5	Construction of 33" H.P. sewer including a small portion of 36" H.P. sewer in Globe Mill passage from Manhole No. 19 to the proposed Globe Mill passage Pumping Station.	Messrs. The Universal Construction Co., S.C.R. No. 68 of 7-4-1954.	3,53,245	81,269	81,269	In progress.
6	Construction of 6' x 6' storm water dhapa drain with R.C.C. slab in lieu of the open channel for a length of 750 R.ft. behind Arthur Road Prison.	Messrs. Tilak A. Shah, S.C.R. No. 1554 of 17-11-1954.	1,50,259	38,154	38,154	Do.
7	Covering the open channel along Tulsi Pipe land from the covered end near Dadar Purification Works towards Elphinstone Road upto Khed Gully Junction.	Messrs. S. B. Joshi & Co., S.C.R. No. 2206 of 17-1-1955.	2,68,973	28,427	28,427	Do.
8	Providing a pedestrian Subway near the Churchgate Station across Queen's Road.	Messrs. Bhupal Construction Co., S.C.R. No. 2430 of 2-2-1955.	2,91,571	...	...	Do.
9	Construction of 33" H.P. sewer in Globe Mill passage from the junction of DeLisle Road upto Manhole No. 19.	Messrs. Bhupal Construction Co., S.C.R. No. 2764 of 10-3-1955.	1,53,150	...	...	Work will be started in the fair season after the next monsoon.
10	Construction of a double barrelled S.W. Drain (5' x 4') in lieu of the existing open water course to the south of Fitwalla Road including filling in.	Messrs. Nagji Narai & Bros., S.C.R. No. 2768 of 10-3-1955.	1,02,073	...	...	In progress.
11	Work of connecting existing sewers leading to Matunga Pumping Station.	Messrs. Vithaldas Gangji & Co., S.C.R. No. 2892 of 23-3-1955.	31,002	...	...	Work will be started in the fair season after next monsoon.
			Total	2,76,833	8,73,509	

## APPENDIX B-4.

Statement showing roads, drains and other works carried out departmentally during the year 1954-55.

Serial No.	Name of the work.	Actual expenditure including establishment charges during 1954-55.	Total expenditure upto 31-3-1955.	Remarks.
		Rs.	Rs.	
1	Renewing or remodelling the old subsidiary S.W. Drains in the City :—			
	(a) Laying S.W. Drain in Sarang Street ...	1,530	12,646	In progress.
2	Providing traffic amenities such as (b) Traffic Islands :—			
	(A) Providing traffic island at the junction of Mount Road and Victoria Road.	...	2,044	Complete.
	(B) Do. do. Mint Road, Ballard Road and Sir P. M. Road.	...	908	Do.
	(C) Refuge Islands at :—			
	(i) Keshavji Naik Road Junction Sandhurst Road ...	...	1,092	Do.
	(ii) Dr. Meisheri Road Junction Sardar Vallabhbhai Patel Road. -	...	1,071	Do.
	(D) Extending the Central Reservation at the Junction of Wittet Road and Fort Street.	169	838	Do.
	(E) Refuge Island at the junction of Masjid Bunder Road and Frere Road.	...	1,034	Do.
	(F) Providing channelising island at Cruickshank Road South of main traffic island at Dhobi Talao.	...	1,727	Do.
	(G) Channelising islands at :—			
	(i) Mazagaon Road and Nesbit Road ...	...	...	Do.
	(ii) (a) Love Lane and Mazagaon Road and ...	...	...	Do.
	(b) Mazagaon Road and Matarpakhadi Road ...	...	1,931	Do.
	(H) Channelising island along Arthur Bunder Road at its junction with Colaba Causeway.	359	359	Complete. Accounts are being adjusted.
	(I) Channelising island at Jerbai Wadia Road at its junction with Hospital Avenue.	1,640	1,640	Do. Do.
	(J) Channelising island at Mumbadevi (West) Road at its junction with Kalbadevi Road.	214	214	Do. Do.
	(K) Providing two traffic islands at the junction of Lakhamsi Napoo Road and Lady Jehangir Road.	...	...	In progress.
	(L) Channelising island along Dr. Annie Besant Road at its junction with Worli Naka.	...	...	Do.
3	Laying sewers in certain roads in the City where no sewers exist :—			
	(a) Laying 9" Pipe sewer in Ash Lane ...	764	4,894	Complete.
	(b) Proposed 12" pipe sewer in private street off Haines Road leading to Western Railway.	11,655	11,665	In progress.
4	Providing S.W. Drains in certain roads in the City where no S.W. Drains exist :—			
	(a) Laying S.W. Drain in Carroll Road (portion) ...	6,719	54,499	Complete.
5	Providing underground drains in lieu of existing open side drains in the City :—			
	(a) Laying S.W. Drain in Carroll Road ...	228	36,765	Complete.
6	Measures for relieving flooding in the City :—			
	(a) Replacing the existing 1'-6" x 1'-9" dhapa drain in Bhagwanlal Indrajit Road from junction Bomanji Petit Street to the Scandal Point at Beach Candy to relieve flooding.	4,030	25,051	Complete.
	(b) Proposed 27" dia. H.P.S.W. Drain along Bhulabhai Desai Road.	12,976	20,530	Do.
	(c) Providing S.W. Drain in Parel Road opposite Garamkhada Market.	20,774	20,774	In progress.
7	Renewing the old air and s.s. mains in the City :—			
	(a) Renewing 12" S.S. Main of Warden Road Ejector from Warden Road Compressor Station to its outfall in Gravitation Sewer.	96 (Credit)	56,462	Complete.
	(b) Renewing further length of 12" S.S. main taking discharge of Nowroji Ferdunji Road Ejector and Colaba Causeway.	...	7,248	Do.
	(c) Replacing portion of the 6" air main of Asbestos cement by cast iron piping from Colaba Compressor Station leading to Churchgate Ejector.	...	11,571	Do.
	(d) Renewing 9" S.S. main of Fank Bunder Pumping Station....	384 (Credit)	23,309	Do.
	(e) Replacing the 6" S.S. main of Sewri Pumping Station by 12" S.S. Main.	26	7,257	Do.
	(f) Renewing 6" air main from Warden Road Air Compressor Station to Warden Road Ejector.	80	5,049	Do.
	(g) Renewing 8" air main from the Colaba Compressor Station to Colaba Causeway.	9	10,130	Do.
	(h) Renewing 3" and 6" air mains of Nowroji Ferdunji Road Ejector, Colaba.	1,338	10,300	Do.
	(i) Renewing the portion of 4" air main from Sewri Road Ejector.	3	3,300	Do.
	(j) Replacing the portion of 5" air main of asbestos cement of Afghan Church Ejector by C. I. Piping.	1,199	2,080	Do.
	(k) Replacing 9" air main of Afghan Church Ejector by 12" S. S. Main.	19,850	34,947	Do.
	(l) Replacing the portion of 4" air main of asbestos cement from Afghan Church Ejector by C. I. Piping.	30	1,093	Do.
	(m) Renewing the remaining length of 325 R.ft. of 12" dia. S.S. main of Nowroji Ferdunji Road Ejector from the portion already renewed upto the Balancing Chamber near Wellington Fountain.	7,684	7,684	Complete. Accounts are being adjusted.
	(n) Renewing 6" S. S. Main of Wylie Road Ejector. ...	8,183	8,183	Do. Do.
8	Construction of drains and filling in S. W. channels at the junction of old and new Haines Road.			
	(a) Manufacturing and supplying penstock	4,776	8,982	Complete.
	(b) Construction of R. C. C. deck slab platform and raising the brick masonry wall etc., of penstock Chamber at Haines Road.	334	1,940	
	(c) Providing sluice valve and chamber for fair weather connection 8" and 7" double barreller drain and 57" dia. sewer at Haines Road.	...	2,348	
	Carried forwarded	Rs. ...	1,04,100	4,02,565



Serial No.	Name of the work.	Actual expenditure including establishment charges during 1954-55.	Total expenditure upto 31-3-1955.	Remarks.
	Brought Over ...	Rs. 1,04,100	Rs. 4,02,565	
9	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.	96,954	2,90,292	Complete. Accounts are being adjusted.
10	Street Improvements in different places—Set Backs ...	21,220	46,295	Part of Rs. 50,000 is earmarked in the provision each year for adding set-backs to roads.
11	Works in connection with the removal of the surcharged condition of sewers in the City :— (a) Laying a rising main of 30" dia. T. P. Line from Pumping Station to Gravitation Sewer.	298 (Credit)	10,821	Complete.
12	Strengthening the north wing wall at Cleveland Bunder outfall and extending the same to prevent the blocking of the outfall channel.	533 (Credit)	7,103	Complete.
13	Extending Chowpatty Bunder ...	28,740	30,105	Do.
14	Filling in Plot 'C' at Bhulabhai Desai Road (Warden) with incidental work and laying out a Children's playground thereat.	12,124	34,992	In progress.
15	Sewerage Scheme of Dharavi :— (a) Laying 6" dia. gas main with 3" x 1½" G. I. connection from Dharavi Purification Works to Dharavi Hospital.	15,564	1,47,584	Complete. Accounts are being
16	Replacing the existing 6" pipe sewer in Tadwadi off Girgaum Road by 9" pipe sewer.	6,255	22,634	Complete.
17	Diverting the existing 15" S.S. main of Chinchpokli Ejector Station in the head manhole of 24" dia. pipe sewer in Victoria Gardens Road.	2,319	5,251	Do.
18	Improving the sewerage system of the City :— (a) Laying 18" C. I. Rising main in DeLisle Road from junction of T. P. Line land to Junction of Globe Mill Passage.	13,013	13,013	In progress.
19	Raising Sea Wall at Homby Vellard and providing kerb line and drainage arrangement.	74,778	74,778	Do.
	Total ...	3,73,236	10,85,433	

## APPENDIX B-5.

Statement of works carried out by contract in different Ex-Trust Schemes during the year 1954-55.

Serial No.	Description of work.	Name of contractor and S.C.R. No. and date.	Contract amount	Annual expenditure	Total expenditure	Remarks.
			inclusive of departmental work.	including Establishment charges during 1954-55.	upto 31-3-1955	
			Rs.	Rs.	Rs.	
<i>Scheme No. 6, Sion Matunga Estate.</i>						
1	Cutting and levelling of the high lands between Roads Nos. 28A and the eastern carriageway Road No. 26B.	Messrs. Khimji Virjee Thakkar, S. C. R. No. 2392 of 25-2-1953.	3,58,644	57,820	3,20,720	Complete. Accounts are being adjusted.
2	Providing and laying 24" dia. pipe sewer along Flank Road (East) Road No. 22 from the culvert of Tansa mains to the 42" sewer in Road No. 26. Providing and laying 18" stone ware pipe from point M to point X to the Head Manhole of 24" sewer in Flank Road (East).	Messrs. Bhupal Construction Co. S.C.R. No. 819 of 29-7-1953	1,21,042	39,016	94,900	Complete. Accounts are being adjusted.
<i>Scheme No. 52, Worli.</i>						
3	Providing cement concrete slabs along roads A-B-C and a part B-1 of Road BD along Neighbourhood Unit near the Junction of Dr. Annie Besant Road and Cadell Road, Worli.	Messrs. Khimji Virjee Thakkar, S. C. R. No. 2384 of 25-2-55.	1,23,140	3,851	95,293	In progress.
4	Construction of 21" and 24" diameter Pipe sewer in the proposed 100' Road over S. W. channel between Worli Bridge and Globe Mill passage.	Messrs. C. M. Shah, S. C. R. No. 797 of 29-7-1953.	2,49,936	1,64,405	1,64,405	In progress.
<i>Scheme No. 56, Dharavi.</i>						
5	Construction of 42" diameter all concrete or Hume Pipe sewer from junction Brahmaiwada to Point 'D' on 48" dia. sewer in Road No. 19.	Messrs. Khimji Virjee Thakkar, S. C. R. No. 2081 of 21-1-53.	3,71,732	1,82,870	2,28,865	In progress.
6	Construction of 48" diameter 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 Virjee Thakkar, S. C. R. No. 2085 of 21-1-1953.	3,08,271	82,759	1,48,633	In progress.
7	Laying 9" and 15" S. W. pipe sewers along certain roads in the North east portion of Dharavi Scheme.	Messrs. G. L. Powar, S. C. R. No. 686 of 17-7-1953.	49,552	36,952	37,065	In progress.
8	Providing and laying 42" diameter sewer in Service passage proposed 40' Road and proposed 100' Road in Dharavi, Scheme to join the Head manhole at 4'-8" x 7'-0" outfall sewer.	Messrs. Bhupal Construction Co. S.C.R. No. 2351 of 10-2-1954.	3,96,604	1,73,986	1,74,058	In progress.
9	Construction of 42"-30" Hume Pipe sewer in Mahim Causeway, 100' Promenade and Dharavi Road.	Shri K. C. Pandya, S. C. R. No. 2570 of 5-3-1954.	3,50,749	97,979	97,994	In progress.
<i>Scheme 57, Sewri Wadala.</i>						
10	Constructing westernmost carriageway of Road No. 15 between Road Nos. 4 and 9 with S. W. Drainage arrangement.	Messrs. G. L. Powar, S. C. R. No. 643 of 8-7-1953.	1,45,860	74,293	1,17,276	Complete. Accounts are being adjusted.
11	(1) Constructing Easternmost carriageway of Road No. 15 between Roads Nos. 18 and 21 with 1:2:4 C.C. slabs with storm water drain in and (2) Providing storm water drain in Road No. 15 in the portion between Road Nos. 16 and 18.	Messrs. Nagji Narsi & Bros. S. C. R. No. 1163 of 23-9-1953.	3,09,065	1,27,805	1,57,470	In progress.
12	Construction of 30" and 33" pipe sewers along Jackeria Bunder Road from the local manhole opposite Pumping Station to a length of 2,500' Northwards.	Messrs. Shah and Vyas S. C. R. No. 2267 of 12-1-1955.	2,41,123	58	58	In progress.
13	Construction of 33" diameter pipe sewer along Jackeria Bunder Road from Junction manhole near Sewri Level Crossing 2,100' Southwards.	Messrs. Shah and Vyas, S. C. R. No. 2267 of 12-1-1955.	2,48,157	11	11	In progress.
14	Constructing remaining portion of storm water drain and construction of kacha Road in Road No. 26.	Messrs. Patel & Co. S. C. R. No. 1534 of 10-11-1954.	57,691	31,252	31,252	In progress.
15	Constructing remaining portion of storm water drain and constructing kacha Road No. 37A.	Messrs. Shah and Vyas, S. C. R. No. 1534 of 10-11-1954.	61,930	195	195	In progress.
16	Constructing remaining portion of sewer and storm water drain and construction of kacha Road in Road No. 23.	Messrs. Shah and Vyas, S. C. R. No. 1534 of 10-11-54	63,599	21,045	21,045	In progress.
<i>Scheme No. 58, Worli Extension.</i>						
17	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.	3,99,278	54,244	3,60,767	Complete.
18	Filling in of Maulana Abdul Gaffar Khan Road (Worli Sea Face Road) between the two connected portions with overburden to be excavated from South West portion of Worli Hill.	Messrs. H.N. Somaiya, S. C. R. No. 1871 of 5-12-1951.	2,26,554	42,817	1,61,703	Complete.
19	Construction of the second stretch of Sea Wall viz., 650' out of 1,350' of portion BC along Abdul Gaffar Khan Road.	Messrs. Haribhai B. Desai, S. C. R. No. 2729 of 31-3-1953.	2,93,559	1,00,451	1,69,924	Complete.
20	Quarrying and levelling portion D2 of Section D of Worli Hill, Scheme No. 58, Worli Extension including removing of excavated materials.	Shri G. L. Powar, S. C. R. No. 1694 of 2-12-1953.	5,27,117	1,08,161	1,08,271	In progress.
			Total	13,99,970	24,89,995	

## APPENDIX B-6.

Statement of works carried out departmentally in different Ex-Trust Schemes during 1954-55.

Serial No.	Description of work.	Sanctioned amount.	Expenditure during 1954-55.	Total expenditure upto 31-3-1955.	Remarks.
<i>Scheme No. 6, Sion Matunga Estate.</i>		Rs.	Rs.	Rs.	
1	Widening Sion Road No. 1 from the junctions of Roads Nos. 24 and 3 to Roads Nos. 3B etc.	7,018	...	268	The work is completed. Accounts are being adjusted.
2	Construction of Road No. 25 between Roads Nos. 6 and 18 etc.	79,243	3,141	69,329	Do. do.
3	Construction of Road No. 31 etc., "Concreting."	1,560	1,314	1,314	Do. do.
4	Construction of Road No. 24 between Roads Nos. 6 and 18 "Planting trees."	12,670	...	2,340	Do. do.
5	Construction of Road No. 24B—Planting trees.	4,887	250	1,497	Do. do.
6	Construction of Road No. 13 etc. "Planting trees."	3,563	...	644	Work completed.
7	Cutting and levelling the area to the east of Sion Fort for the proposed cremation and plot for industry and levelling and filling in the site of the play ground in front of R. C. Cemetery.	3,07,835	...	2,19,596	Work deferred during 1954-55.
8	Cutting and levelling of the high lands between Roads Nos. 28A and 29.	3,74,636	11	91,050	Part work worth Rs. 1,00,000 is completed departmentally. Remaining work is proposed to be executed by contract.
8a	Construction of 20' passage between Bhau Daji Road and Road South of Dharavi*	65,047	37,158	37,158	In progress.
<i>Scheme No. 52, Worli.</i>					
9	Construction of Roads in the Neighbourhood Unit	4,75,287	...	1,73,936	In progress.
<i>Scheme No. 56, Dharavi</i>					
10	Works in connection with Dharavi outfall sewers ...	2,32,058	4,502	1,04,207	Do.
11	Construction of 9" pipe sewer along Sion Bridge low level (South-West) from Joglekarwadi upto entrance of Dharavi Purification Works.	30,949	3,042	3,042	Do.
<i>Scheme No. 57, Seori Wadala.</i>					
12	Construction of Road No. 15 from the junction of Road No. 4 to Road No. 18 etc. "Planting trees."	3,959	927	927	Do.
13	Construction of Roads Nos. 1, 1A and 10 etc. ...	3,15,761	5,315	1,43,321	Do.
14	Laying a sewer and S. W. Drain in Road No. 9 Providing 1 : 2 : 4 c.c. slabs.	88,596	35,972	73,230	The work is completed. Accounts are being adjusted.
15	Construction of Road No. 9A—Concreting ...	1,31,470	34,330	34,330	Nearing completion.
16	Construction of Road No. 18, etc. ...	84,124	678	63,490	In progress.
17	Construction of Road No. 24 ...	1,06,105	9,134	77,518	Do.
18	Construction of a passage between Roads No. 7 & 9 ...	25,184	13,584	13,584	Nearing completion.
19	Construction of Road No. 19, etc. ...	71,219	16,677	36,046	Do.
<i>Scheme No. 58, Worli Extension.</i>					
20	Construction of Road to the east of Worli Hill ...	2,52,264	5,037	1,72,671	In progress.
21	Construction of katcha road along the extension of Road BGK with sewerage and S. W. Drainage arrangements.	73,052	1,593	47,588	In progress.
22	Permanent construction of Road along the extension of Road BGK parallel to Dr. Annie Besant Road.	30,008	3,114	24,188	The work is completed. Accounts are being adjusted.
			Total	1,75,779	13,91,274

\* Hospital passing through Recreation ground.

## APPENDIX C-I

Statement showing the works provided for and carried out during the year 1954-55 under Special Repairs:

Serial No.	Name of the work.	Amount provided.		Expenditure booked during 1954-55.		Remarks.
		Rs.	a. p.	Rs.	a. p.	
1	Oil painting to the storage tank at Municipal Head Office (Western Side)	945	0 0	202	5 0	Incomplete.
2	Oil painting to the downtake pipes at Municipal Head Office (Western Side)	718	0 0	714	1 0	Completed.
3	Oil painting to the downtake pipe at Municipal Head Office (Eastern side)	698	0 0	665	1 0	"
4	White washing and oil painting to the central, western and northern entrances of A. C. Market	5,663	0 0	4,703	5 0	Incomplete.
5	Repairs to the scale shed behind Purveying shops at A. C. Market	855	0 0	716	5 0	"
6	Oil painting main door, dado to wall of Fire Station, white-washing and colour washing to the station and repairs to the glazed tiles flooring and dado and other minor repairs to the doors and windows of Alexandra Fire Station at Frere Road	1,226	0 0	1,335	3 0	Completed.
7	Repairs to the sanitary fitting of P. C. at 1st Koli Lane, Colaba	1,795	0 0	1,614	9 0	"
8	Oil painting to wood work and dado to walls of Motor Mechanic's quarters at Colaba Fire Station	581	0 0	428	9 0	"
9	Providing and fixing window shutters to the windows of the kitchen on the ground floor of M. C.'s Bungalow	493	0 0	323	3 0	"
10	Oil painting, etc., to 2nd floor of Municipal Head Office (E. A. & L. M.'s Department)	5,030	0 0	4	8 0	Incomplete
11	Renewing Lofts in the store Godown at Babula Tank Drainage Department	2,679	0 0	2,619	7 0	Completed.
12	Providing and fixing gard stone near Public Urinal at Narsi Natha Street	412	0 0	358	11 0	"
13	Removing, etc., rusted storage tank and providing new storage tank at Mandvi Fire Station	326	0 0	310	5 0	"
14	Carrying out repairs to staff and Officer's quarters at Mandvi Fire Station	831	0 0	790	14 0	"
15	Repairing and painting to pale fencing of recreation ground at Dhobi Street	805	0 0	506	12 0	"
16	Providing W. C. block with washing place at Argyle Road near Carnac Bridge	5,000	0 0	...	...	Not started.
17	Providing and fixing new storage tank at Masjid Bunder Market	715	0 0	630	9 0	Completed.
18	Constructing a R. C. C. storage Tank at Memowada Fire Brigade Station, Bhendi Bazar	1,275	0 0	1,083	7 0	"
19	Providing one W. C. and four urinal seats at Masjid Bunder Market	3,407	0 0	3,301	13 0	"
20	Renewing old rusted storage tank and providing new one at the same place at Valpakhadi Bathing cubicle	570	0 0	528	2 0	"
21	Providing Municipal dispensary at Umar Khadi stables at Jail Road	2,022	0 0	...	...	Incomplete.
22	Renewing the existing W. C. storage tank of B Ward stable office at Jail Road North	565	0 0	436	15 0	Completed.
23	Renewing automatic flushing tank of service pipe line of the W. C. at Old Nagpada Urinal	365	0 0	...	...	Incomplete.
24	Providing weather shades to the windows, etc., at Memowada Fire Brigade Station	2,865	0 0	...	...	"
25	Providing blue stone pavement for keeping Scammel Tailor and dismantling iron stand storage tank of Old Nagpada Public Convenience	1,508	0 0	...	...	"
26	Renewing storage tank at Bhuleshwar Municipal School, Bhuleshwar Lane	4,061	0 0	3,747	12 0	Completed.
27	Repairs to the edges of channel below C. I. Gratings in H. J. L. Section of Erakine Road Market	892	0 0	678	7 0	"
28	Providing additional sanitary accommodation at Municipal Null Bazar Gujarathi School opposite Round Temple	2,582	0 0	491	3 0	Incomplete.
29	Carrying out repairs to ventilators of the Chandanwadi Municipal Urdu school building	1,172	0 0	254	2 0	"
30	Carrying out repairs to the passage between the row of Jaggery stall and Date stall at Erakine Road Market	3,110	0 0	2,544	12 0	Completed.
31	Providing and fixing additional flat bars to X. P. M. of W. C. passage at Imamwada chawls Nos. 1 to 6	484	0 0	435	7 0	"
32	Providing and fixing iron ladders at Chinch Bunder chawl	561	0 0	555	1 0	Completed.
33	Removing the existing broken R. C. C. wall on 1st floor of chawl No. 7, Imamwada Road	1,050	0 0	1,050	0 0	"
34	Renewing and repairing automatic flushing tank at Imamwada chawl No. 7	1,050	0 0	1,030	7 0	"
35	Renewing C. I. flushing tanks of plots 26 and 27, Scheme 3	432	0 0	390	5 0	"
36	Renewing flushing tank and fixing chamber covers and C. I. drain pipe line of Chinch Bunder chawl	1,787	0 0	1,486	6 0	"
37	Providing additional water connection at Case No. 311(a)/14, Imamwada	1,423	0 0	1,121	6 0	"
38	Providing additional water connection at Case No. 311(a)/13, Imamwada	1,319	0 0	933	8 0	"
39	Removing flooring of the terrace on 3rd floor of plot No. 26, Scheme 3, Nazarally Building	3,360	0 0	2,891	8 0	"
40	Providing and fixing copper ball valves and replacing one storage tank in Block No. 6, Room No. 15, Sydenham Road Chawl	704	0 0	691	7 0	"
41	Providing and fixing X. P. M. to varandah of chawl No. 4, opposite Playground at Imamwada	1,111	0 0	1,041	10 0	"
42	Removing old rusted storage tank and providing a new one at the same place on 5th floor of plot No. 105, Scheme 3	536	0 0	533	7 0	"
43	Improving water supply of plot Nos. 42-43, Scheme 29	5,307	0 0	...	...	Work in progress.
44	Renewing door shutters of plot No. 105, Godown 1 and plot No. 104, Godown 7, Scheme 3	539	0 0	484	4 0	Completed.
45	Removing old rusted storage tank and providing a new one at the same place at plot No. 27, Scheme 3	759	0 0	758	14 0	"
46	Removing the old rusted tank and providing a new one at the same place at plot No. 13, Scheme 29	807	0 0	807	8 0	"
47	Renewing doors and window shutters with frames of plot No. 105, Godown No. 2 and plot No. 103, Godown No. 2, Scheme 3	1,023	0 0	900	11 0	"
Carried forward Rs. ...		75,418	0 0	44,102	8 0	

Serial No.	Name of the work.	Amount provided.		Expenditure booked during 1954-55.		Remarks.
		Rs.	as. ps.	Rs.	as. ps.	
	Brought over ...	75,418	0 0	44,102	8 0	
48	Renewing flushing tank and providing a new storage tank in place of old rusted storage tank at Sydenham Road chawl No. 1 ...	3,319	0 0	3,250	11 0	Completed.
49	Repairing balcony on 2nd floor of plot No. 13, Scheme 29 ...	1,709	0 0	1,543	13 0	"
50	Renewing flooring of the 1st floor terrace of Godown Nos. 1, 2 and 3 at plot No. 105/3, Scheme 3 ...	7,175	0 0	6,597	0 0	"
51	Removing old rusted storage tank and providing a new one at the same place on the 5th floor of plot No. 11, Scheme 29 ...	565	0 0	557	2 0	"
52	Providing and fixing X. P. M. to the passage and staircase opening at Imamwada chawls Nos. 1 to 6 ...	4,684	0 0	4,512	0 0	"
53	Removing old rusted storage tank and providing a new storage tank in place of old storage tank on the 5th floor of plot No. 104, Scheme 3 ...	2,362	0 0	...	...	Work in progress.
54	Renewing the existing W. C. storage tank of B Ward stable office at Jail Road North ...	565	0 0	436	15 0	Completed.
55	Renewing wooden posts, joists flooring, etc., of shop No. 14A, on the ground floor of plot No. 27, Scheme 3 ...	725	0 0	528	2 0	"
56	Reconditioning balcony on the east side of plot No. 102, Scheme 3 ...	8,234	0 0	...	...	Work in progress.
57	Reconditioning balcony on the west side of plot No. 105, Scheme 3 ...	8,234	0 0	...	...	"
58	Renewing C. I. pipe line of the washing place, Case No. 311/5-6 and 13-14 at Imamwada Road ...	558	0 0	...	...	Work not started.
59	Diverting drainage lines along the 1st floor terrace of plot No. 101, Scheme 3, East ...	3,037	0 0	...	...	"
60	Renewing soil pans of the W. C. at Case No. 7/43 and plot No. 27/3 at Bhendi Bazar ...	316	0 0	...	...	Work in progress.
61	Renewing staircase steps of the Imamwada chawls Nos. 1 to 7, Scheme 3 ...	2,244	0 0	2,196	3 0	Completed.
62	Replacing missing sanitary fittings and providing C. I. tank at Scheme 37, Ibrahim Rahimtulla Road ...	502	0 0	...	...	Work not started.
63	Replacing broken soil pan and renewing sanitary fittings and flooring washing place at Case No. 90 Scheme 37 at Ibrahim Rahimtulla Road ...	609	0 0	587	9 0	Completed.
64	Renewing loft at Scheme 37, Case No. 93(R), 2nd floor, Room No. 1 ...	397	0 0	309	6 0	"
65	Repairing storage tank at Case No. 92, Scheme 37, Ibrahim Rahimtulla Road ...	712	0 0	660	11 0	"
66	Replacing broken or missing glasses at Scheme 37, Case No. 92(R), plot Nos. 4-5 at Ibrahim Rahimtulla Road ...	128	0 0	127	0 0	"
67	Replacing missing B. F. sanitary fitting and C. I. flushing tank at Scheme 37, plot Nos. 4-5 at Ibrahim Rahimtulla Road ...	611	0 0	598	9 0	"
68	Renewing the broken gully trap chamber and inspection chamber, frame and covers at Chandanwadi chawl compound ...	283	0 0	282	13 0	"
69	Renewing coba flooring, joists, etc., of room No. 85 of Patka Mansion at Ibrahim Rahimtulla Road, plot No. 4-5 ...	707	0 0	487	7 0	"
70	Providing barbed wire fencing for compound wall of Patka Mansion at Ibrahim Rahimtulla Road, plot Nos. 4-5 ...	411	0 0	409	7 0	"
71	Providing retaining wall to support the plinth of the Mosque near plot No. 95, Scheme 37 at Ibrahim Rahimtulla Road ...	1,082	0 0	1,061	4 0	"
72	Repairing work after gunite treatment at Chandanwadi chawl No. 1 ...	12,800	0 0	12,600	1 0	"
73	Improving water supply at Princess Street chawl No. 1 ...	3,215	0 0	2,180	14 0	"
74	Providing necessary drainage arrangement and repairs to the window frame, etc., at H. No. 16, Case No. 523, Islampura ...	1,040	0 0	1,004	0 0	"
75	Renewing sanitary fittings and flushing tank at Scheme 37, Case No. 92, Ibrahim Rahimtulla Road ...	345	0 0	163	4 0	"
76	Carrying out repairs to W. C. doors of Chandanwadi chawls Nos. 1 to 6 ...	169	0 0	123	0 0	"
77	Providing small pump cabin at plot Nos. 4-5, Patka Mansion, Ibrahim Rahimtulla Road ...	400	0 0	397	1 0	"
78	Renewing old wiring of Princess Street chawl No. 1 ...	297	0 0	253	3 0	"
79	Providing common store room below the staircase at Chandanwadi chawl for the use of E. A. & L. M. ...	280	0 0	194	6 0	"
80	Improving water supply at plot Nos. 4-5, Scheme 37, Ibrahim Rahimtulla Road ...	1,000	0 0	521	9 0	"
81	Replacing folding pannel shutters of Room No. 9 at Islampura chawl No. 1 ...	165	0 0	109	11 0	"
82	Removing R. C. C. partition and providing floor expanded metal frame and sheds at Municipal chawl No. 5, Room No. 5, Chandanwadi ...	250	0 0	190	1 0	"
83	Renewing old wiring at Case No. 523, Islampura ...	109	0 0	4	12 0	In progress
84	Renewing old wiring at Case Nos. 90, 93 and 94(R) at Ibrahim Rahimtulla Road ...	293	0 0	19	2 0	"
85	Renewing old wiring at plot Nos. 4-5 at Ibrahim Rahimtulla Road ...	212	0 0	4	12 0	"
86	Renewing coba flooring, joists, beams, etc., at 93(R) and 94(S) at Ibrahim Rahimtulla Road ...	898	0 0	11	1 0	"
87	Providing white glazed tiles to the dado of walls in the eye dressing room at the B. P. A. Eye Hospital, Kamathipura ...	846	0 0	743	12 0	Completed.
88	Covering ground floor open space into a waiting hall at the B. P. A. Eye Hospital at Kamathipura ...	1,255	0 0	1,083	13 0	"
89	Structural repairs to W. C. block and renewing the flushing cisterns, wood work in posts, doors, shutters, fittings, etc., at Sukhlaji Street Health Camp ...	1,513	0 0	1,505	5 0	"
90	Converting 2 Urinals into a W. C. at Tardeo Tram Terminus public conveniences ...	685	0 0	668	2 0	"
91	Oil painting the wood work and ceiling etc., of the public conveniences at Sandhust Bridge, Chowpatty ...	714	0 0	...	...	Deferred pending guniting of structure.
92	Renewing the flushing tanks of the W.C.'s and carrying out petty repairs to the public sanitary conveniences at Bapty Road ...	1,378	0 0	52	1 0	Work in progress.
93	Oil painting the Shed of the wheel-right section and godowns of the carpenter shop in the Municipal Workshop ...	7,200	0 0	6,346	10 0	Completed.
94	Fixing a wooden shelf running all round the wall at the D Ward Licence Office. ...	254	0 0	111	4 0	"
95	Renewing the 12 stalls in brick masonry and R. C. C. roof, etc., at Kamathipura Market ...	3,937	0 0	3,300	8 0	"
96	Renewing the white glazed tiles of the dado in Fish Section, Chowpatty Market ...	594	0 0	470	7 0	"
97	Renewing the storage tanks, flushing tanks and G. I. Pipes, etc., of the public urinals Nos. 22 to 26 in Ward No. 22, E Ward ...	2,804	0 0	1,408	12 0	"
	Carried forward Rs. ...	1,67,240	0 0	1,01,715	15 0	

Serial No.	Name of the work.	Amount provided.			Expenditure booked during 1954-55.			Remarks.
		Rs.	as.	ps.	Rs.	as.	ps.	
	Brought over	1,67,240	0	0	1,01,715	15	0	
98	Renewing the storage tanks of the public convenience at the junction of Ghorupdeo Road and Albert Road	410	0	0	385	10	0	Completed
99	Renewing the storage tanks of the public urinal No. 34 at Dock Yard Road	257	0	0	155	0	0	"
100	Renewing the posts and replacing the existing storage tanks at old Market Hospital Building	901	0	0	663	5	0	"
101	Renovating the Duck-shed at Victoria Garden	3,208	0	0	2,732	2	0	Incomplete.
102	General repairs and painting to the Lion House and the wire-netting attached thereto at Victoria Garden	4,511	0	0	1,700	2	0	Work in progress.
103	Renovating the roof of the sick carnivorous animals house in the hospital, Victoria Garden	5,040	0	0	3,915	0	0	Completed.
104	Renewing the flooring and verandah, etc., in the animal-keepers' chawl at Victoria Gardens	7,392	0	0	1,931	7	0	Work nearly completed.
105	Providing X. P. M. with battons to all the openings of the orchid house, Victoria Gardens	1,068	0	0	856	3	0	Completed.
106	Painting the tripple arch, Victoria Gardens	476	0	0	...	...	...	Work in progress.
107	Renovating the W.C. Block and the storage tank in the Mali's quarters in the old/Maratha Hospital compound	3,661	0	0	2,978	11	0	Completed.
108	Oil painting the storage tank in the compound of the Victoria Gardens	687	0	0	601	5	0	"
109	Repairs to the passage between the row of temporary stalls adjacent to the bridge at G. M. C. Market	2,216	0	0	...	...	...	Cancelled.
110	Conversion of European type of W.C. into Indian pattern at the office of the A. H. O. E., Souter Street	244	0	0	151	2	0	Completed.
111	Providing and fixing white glazed tiles to the walls upto the height of 5' in Ward Nos. 5, 6 and 7 of the B. Y. L. Nair Hospital	9,626	0	0	6,812	0	0	Work in progress.
112	Oil painting walls, ceiling, wood works, etc., internally and colour-washing the walls externally of the 100 beds building at B. Y. L. Nair Hospital (part-provision)	8,000	0	0	7,407	6	0	Completed.
113	Renewing the broken sanitary fittings and decayed wood work of the W. C. Block attached to the servants' Quarters of the Nair Hospital	908	0	0	763	4	0	"
114	Providing and fixing W. I. grills to the existing windows and glazed shutters with grills in the place of fixed steel casement windows on the ground floor of the O. P. D. Buildings at the Nair Hospital	4,471	0	0	3,643	11	0	"
115	Renewal of flooring of verandah of Mortuary Block at Arthur Road Hospital	1,443	0	0	1,371	5	0	"
116	Providing doors between kitchen and bed room in R. M. O.'s quarters at the Arthur Road Hospital	434	0	0	386	1	0	"
117	Providing and fixing wire netting (fly-proof) with teak-wood frame, etc., to Ward No. 13 at the Arthur Road Hospital	4,254	0	0	3,896	8	0	"
118	Providing barbed wire fencing around the verandah of Ward Nos. 5 and 6 and raising the height of existing verandah walls at Arthur Road Hospital	402	0	0	385	5	0	"
119	Renewing the decayed planking and flooring of the bath room attached to the staff quarters occupied by Shri Pawar at Byculla	539	0	0	553	6	0	"
120	Repairs to the ground in the compound of Fire Brigade Head Quarters at Byculla	1,421	0	0	1,151	1	0	"
121	Repairs to the existing decayed flag pole and refitting a new one at Fire Brigade Head Quarters, Byculla	421	0	0	...	...	...	M. E.'s work.
122	Replacing existing damaged flooring of stone pavement with cement concrete flooring and repairs to the doors	375	0	0	284	13	0	Completed.
123	Renewing the damaged flooring and providing cement concrete pavement over it at the Godown of Lorry Supervisor No. 4	462	0	0	423	13	0	"
124	Repairs to the Gymnasium attached to the Wellington Memorial play-ground at Ripon Road	3,475	0	0	3,397	3	0	"
125	Renewing the M. S. plate storage tank at Pig Slaughter House at Arthur Road	518	0	0	426	6	0	"
126	Constructing the brick masonry portion of the wall in Main Hall on 1st floor of Female Ward at Turner Sanatorium at Bhoiwada	3,053	0	0	1,751	1	0	"
127	Providing six privies, two urinals with one cess-pool, etc., for U. P. Marathi School at Kala Killa, Dharavi, Scheme 56	3,523	0	0	592	1	0	In progress
128	Providing compound wall for Municipal School (Armoury Block) at Raoli Camp, Scheme 6	11,460	0	0	7,811	1	0	Completed
129	Oil painting the wood work of staff quarters at Dadar Fire Brigade Station	5,242	0	0	2,513	6	0	"
130	Demolishing sweepers' quarters Nos. T. 19-66 and 68A Opp. the R. M. O.'s quarters at M. G. H. Sion	9,877	0	0	9,079	8	0	"
131	Distempering the walls, white-washing the ceiling and oil painting the dado portions, casement windows, steel beams, etc., at G. S. M. College, Parel	2,082	0	0	198	13	0	In progress
132	Renewing worn out delapidated wooden staircase of the old servants' quarters in the compound of Turner Sanatorium at Bhoiwada	1,763	0	0	1,707	10	0	Complete
133	Distempering the walls, white-washing the ceiling and oil painting the dado portion, steel casement windows with glass panes, etc., at G. S. M. College, Parel	1,978	0	0	201	4	0	In progress
134	Repainting the walls and wood work and white-washing the ceiling on the 1st floor of Hospital Office at K. E. M. Hospital, Parel	3,200	0	0	1,464	1	0	"
135	Repairing the walls, wood work, grills and white-washing the ceiling, etc., of Ward No. 12 at K. E. M. Hospital, Parel	3,981	0	0	774	9	0	"
136	Closing the front and rear verandah by expanded metal on ground floor at Golanji Hill Marathi School	1,262	0	0	993	12	0	Complete
137	Providing W. I. sheet compound fencing at Golanji Hill Marathi School	3,422	0	0	2,648	9	0	"
138	White glazed tiling to the dado portion of the walls in the passage in front of Ward No. 14, K. E. M. Hospital, Parel	7,493	0	0	7,243	0	0	"
139	Repainting the walls, wood work and iron grills and white-washing the ceiling, etc., of Ward No. 5 at K. E. M. Hospital, Parel	4,163	0	0	715	1	0	In progress
140	Structural repairs to the Female Block in the old building at Turner Sanatorium at Bhoiwada	23,451	0	0	806	10	0	"
141	Oil painting the Female at Turner Sanatorium, Bhoiwada	6,628	0	0	254	9	0	"
142	Repairs to the sanitary blocks on ground floor in Block Nos. 2, 4, 6, 8 and 10 at Dadar Main Road	346	2	0	346	2	0	Completed.
143	Repairs to sanitary blocks in Chawls Nos. 7, 9 and 11 at Dadar Main Road	249	2	0	249	2	0	"
144	Repairs to sanitary blocks in Chawls Nos. 1, 3 and 5 at Dadar Main Road	503	4	0	503	4	0	"
	Carried forward	3,27,786	8	0	1,88,546	7	0	

Serial No.	Name of the work.	Amount provided.			Expenditure booked during 1954-55.			Remarks.
		Rs.	as.	ps.	Rs.	as.	ps.	
	Brought over	3,27,786	8	0	1,88,546	7	0	
145	Colour-washing and repainting etc., C.O.'s quarters No. 2 in 3 blocks at K. E. M. Hospital, Parel	1,185	0	0	772	5	0	Completed
146	Oil painting the walls, woodwork of doors, iron grills of Lady Resident Doctor's room in the Gynaco Block after necessary repairs	614	0	0	358	9	0	"
147	Providing and fixing barbed wire fencing at northern end of the Hospital at Sion	1,528	0	0	1,130	14	0	"
148	Renewing decayed woodwork of the roof after minor repairs to door, window and flooring to structure No. T/15-18A at M. G. H. Sion	5,570	0	0	5,554	6	0	"
149	Converting the existing open drain into an underground one at the Municipal Garden behind Damodar Hall, Parel	2,150	0	0	1,925	15	0	"
150	Scraping and oil-painting storage tanks, etc., at M. G. Hospital, Sion	551	0	0	459	13	0	"
151	Repainting iron water storage tanks over the College and Main Hostel and Dean's quarters at G. S. M. College, Parel	680	0	0	469	8	0	"
152	Providing barbed wire fencing with concrete posts for compound wall at Turner Sanatorium Bhoiwada	685	0	0	624	9	0	"
153	Oil-painting the walls, wood-work iron grills of doors and windows and white washing the ceiling of Ward No. 8 at K. E. M. Hospital, Parel	3,625	0	0	3,523	3	0	"
154	Repainting the woodwork of doors, windows and collapsible gate of Registration Hall on the 1st floor at K. E. M. Hospital, Parel	2,561	0	0	2,008	2	0	"
155	Oil painting the walls and woodwork, iron grills of doors, windows and white-washing the ceiling of Ward No. 7 etc., K. E. M. Hospital, Parel	4,572	0	0	4,243	10	0	"
156	Repainting walls, woodwork of doors and windows and white-washing ceiling in Aural Theatre and O. P. D. Section in O. P. D. Block at K. E. M. Hospital, Parel	2,468	0	0	2,296	5	0	"
157	Oil-painting the walls, woodwork etc., internally of top floor of Female Block at Turner Sanatorium, Bhoiwada	2,720	0	0	2,460	2	0	"
158	Renewing decayed woodwork of roof and some minor repairs to doors, windows, etc., of structure No. T/20 at M. G. H. Sion.	3,197	0	0	3,143	12	0	"
159	Cement concreting pavement at S. P. Shed between Ward No. 3 and 4 at M. G. H. Sion	2,098	0	0	1,548	6	0	"
160	Shifting existing door of store-room and providing iron bars to store-room windows of office of D. F. F. Sion Hindu Cemetery...	295	0	0	295	15	0	"
161	Renewing decayed woodwork of roof and other minor repairs of Pathology Department at M. G. H. Sion	2,696	0	0	653	9	0	In progress
162	Oil-painting the woodwork of the semi-permanent shed between Ward Nos. 3 and 4 at M. G. H. Sion	914	7	0	914	7	0	Completed
163	Repairs to woodwork of two extension blocks and hutments in the compound of R. P. T. B. Hospital, Sewri	54,939	0	0	47,752	3	0	Work incomplete
164	Thorough repairs to labour quarters, Housemen's quarters and Medical Assistants quarters at R. P. T. B. Hospital, Sewri	25,657	0	0	25,439	14	0	"
165	(i) Replacement of windows, door frame of clerical staff quarters etc., at R. P. T. B. Hospital, Sewri. (Estimate Rs. 1,518).	4,677	0	0	4,223	2	0	"
	(ii) Replacement of teakwood posts, post-plates in verandah on western side of clerical staff quarters at R. P. T. B. Hospital, Sewri (Estimate Rs. 1,578).							
	(iii) Replacement of teakwood posts, post-plates in verandah on eastern side of clerical staff quarters at R. P. T. B. Hospital, Sewri. (Estimate Rs. 1,581).							
166	Renewing decayed woodwork of roof and some minor repairs to doors, windows, flooring, etc., of structure No. T/69A-72 at M. G. H. Sion.	5,582	0	0	2,244	7	0	"
167	Providing barbed wire fencing around Azad Nagar Gujarati School at Azad Nagar, Wadala	1,428	0	0	488	8	0	"
168	Repairs to O. P. D. at M. G. Hospital, Sion	2,881	0	0	2,303	1	0	"
169	Removing existing urinal stalls and providing masonry basin in its place for cleaning bed pans in Ward No. 1 at W. G. Hospital, Sion	1,377	0	0	179	12	0	"
170	Additions and alterations in Block No. 3 of structure No. T/66 at M. G. Hospital, Sion	1,432	0	0	44	11	0	"
171	Repairs to Case No. 415/1, 415/4, 415/9 at Katrak Road, Wadala	230	0	0	207	9	0	Complete.
172	Providing 2" connection for 1st floor and flushing tank and to provide mori to ground floor at Case 610B, Bhoiwada	362	0	0	111	2	0	Incomplete.
173	Providing wooden partition of trusses work with doors in the verandah of class rooms, Chawl No. 18 and 17, Sion Koliwada Marathi School	1,402	0	0	1,027	6	0	Complete.
174	Repairing the decayed woodwork of Tadiwalla Building, Arthur Road	912	10	0	912	10	0	"
175	Diverting the drain line at Case No. 23A, Scheme 31, Parel	421	0	0	321	0	0	"
176	Providing sewer trap chamber and pipe line near Case No. 522-514 Gowari Village	339	0	0	270	9	0	"
177	Providing one additional lightpoint in the compound of Case 27A and 27B Nare Park	75	0	0	70	8	0	"
178	Providing brick masonry wall in place of C. I. sheet partition of class rooms at Dharavi Kala Killa Marathi School	1,319	0	0	1,229	1	0	"
179	Renewing the C. I. sheet of the structure and walls of the Agarwalla latrines, Scheme 6, Sion	267	0	0	189	0	0	"
180	Renewing old wiring of Sion Chowky	408	0	0	314	13	0	"
181	Closing the open space between the rooms by C. I. sheet walling at Case No. 55, Sewri Cross Road	630	0	0	539	14	0	"
182	Replacing and renewing the existing flooring at Case No. 55, Sewri Cross Road	450	0	0	424	7	0	"
183	Repairing and renewing the doors and windows at Case No. 55, Sewri Cross Road	500	0	0	485	12	0	"
184	Repairing and renewing the woodwork of the gallery and washing place at Case 22A, Scheme 31, Parel	640	0	0	451	8	0	"
185	Repairs to brick masonry walls and renewing cement plaster at Case 20, Scheme 57	778	0	0	701	3	0	"
186	Diverting the drain line of the existing general W.C. Block to the main line on Jerbai Wadia Road	957	0	0	824	15	0	"
187	Providing four electric points in the passage of Plot No. 257/1, Scheme 56, Dharavi	247	0	0	10	12	0	Work incomplete.
188	Reinstating the collapsed wall on the rear side of Case No. 1207, Scheme 6	228	5	0	228	5	0	Work completed.
	Carried forward	4,74,04	14	0	3,12,008	0	0	

Serial No.	Name of the work.	Amount provided.			Expenditure booked during 1954-55.			Remarks.
		Rs.	rs.	ps.	Rs.	rs.	ps.	
	Brought over ...	4,74,014	14	0	3,12,008	0	0	
189	Removing choke from the drain line and repairs to the drain line at Case No. 27, Parel ...	400	0	0	328	4	0	Completed
190	Renewing flushing tank at two-room tenements, Matunga ...	907	0	0	874	10	0	"
191	Renewal of cement concrete roof of Block F, Room No. 70 of two-room tenement, Matunga ...	1,160	0	0	1,152	5	0	"
192	Renewing the flooring of Plot No. 13, Block B of two-room tenement, Matunga ...	371	0	0	293	10	0	"
193	Repairs to the walls and floor posts and providing water-proofing layer over terrace at Suparibaug Road Chawl ...	17,466	0	0	1,710	11	0	Work incomplete.
194	Renewing old wiring in Block No. A, B and E at 3 room tenements, Matunga ...	537	4	0	537	4	0	Work completed.
195	Renewing old wiring in Block A and B at w-room tenements, Matunga ...	401	0	0	172	3	0	"
196	Providing a common store room at a suitable place below the staircase for the group of chawls at Suparibaug Road Chawl ...	459	0	0	370	3	0	"
197	Repairing and renewing various sanitary fittings of W.C. Blocks at Suparibaug Road Chawl ...	3,567	0	0	12	7	0	Work incomplete.
198	Providing door shutters to office rooms and terrace entrance of Municipal Tamil School, Matunga ...	221	0	0	104	7	0	"
199	Providing general washing place in place of old one at Chawl No. 32, Raoli Camp ...	1,178	0	0	784	14	0	Work completed.
200	Providing and fixing new door shutters in missing places at Matunga Labour Camp ...	2,465	0	0	2,460	0	0	"
201	Providing and fixing barbed wire fencing on the north side at 110 tenements at Sewri ...	550	0	0	408	10	0	"
202	Replacing the C. I. cover by cement concrete cover at Dharavi Labour Camp ...	450	0	0	341	14	0	Work completed.
203	Providing brick masonry walls on the open space in front of bath rooms at 110 tenements at Sewri ...	711	0	0	540	8	0	"
204	Providing and fixing new automatic tank at Sion Koliwada S. P. Sheds ...	529	0	0	467	8	0	"
205	Providing doors to W.C. Blocks and closing the openings with X. P. M. at Sewri tenements ...	2,264	0	0	1,129	15	0	"
206	Providing one additional light point at the entrance of Dharavi Labour Camp ...	48	0	0	27	0	0	"
207	Providing additional washing places with two taps at Raoli Camp ...	2,012	0	0	1,616	1	0	Work incomplete.
208	Providing additional connection to the sanitary blocks and washing places at Matunga Labour Camp ...	981	0	0	962	3	0	Work completed.
209	Providing X. P. M. to door and verandah of Inspector's office at Matunga Labour Camp ...	261	0	0	247	13	0	"
210	Providing stoneware pipe from W. P. to inspection chamber cover at Gowari Village ...	325	0	0	265	9	0	"
211	Providing C. I. sheet screen wall in front of W.C. at Sion Koliwada S. P. Sheds ...	370	0	0	314	6	0	"
212	Removing C. I. sheet of the screen wall in front of W.C. at Sion Koliwada ...	158	0	0	94	1	0	"
213	Replacing inspection chamber cover of drain line at Elphinstone Road Market ...	459	0	0	453	10	0	"
214	Repairing the brick masonry wall and carrying out other repairs at Chawl 6A, Raoli Camp ...	576	0	0	428	1	0	"
215	Providing C. I. sheet screen wall to W. C. Block at Sion Koliwada Sheds ...	384	0	0	260	10	0	"
216	Providing barbed wire fencing around Chawl No. 20 at Raoli Camp ...	611	0	0	549	12	0	"
217	Providing nine dust bins at 64 tenements Dharavi ...	628	0	0	6	4	0	Work incomplete.
218	Providing barbed wire fencing at 64 tenements, Dharavi ...	465	0	0	186	11	0	"
219	Repairs to the floors and providing window openings at Chawl 9, Raoli Camp ...	265	0	0	6	10	0	"
220	Providing temporary dust bin sheds at Chawl No. 19, Sion Koliwada ...	890	0	0	3	6	0	"
221	Providing cement concrete pavement surrounding the Privy Blocks at Dharavi Koliwada ...	418	0	0	13	13	0	"
222	Increasing the existing size of the cesspool at Dharavi-Koliwada ...	202	0	0	6	4	0	"
223	White-washing and colour-washing to staff quarters at L. G. P. Station ...	2,098	0	0	1,306	13	0	Work completed.
224	Oil painting to woodwork and iron-work and white-washing and colour-washing to 3 menial chawls at L. G. P. Station ...	12,739	0	0	8,890	2	0	"
225	Oil-painting, white-washing and colour-washing to New Ejector Quarter of G Ward Drainage Office at DeLisle Road ...	661	0	0	659	6	0	"
226	Oil-painting the walls from the ground upto 4'-0" high at Municipal Marathi School New Labour Camp, Worli, Cleveland Road ...	155	0	0	127	3	0	"
227	Renewing the wiring of Beach Bungalow at Cadell Road occupied by Shri Bhivandiwalla ...	972	0	0	837	6	0	"
228	Renewing the hinges of the doors and windows and providing hooks, eyes, gully trap covers, water taps, etc., at 141 room tenements at Haines Road, Worli Naka ...	494	0	0	291	10	0	Work incomplete.
229	Providing glazed window shutters to the verandah opening on the south and west side at M/291 Beach House north side Bungalow ...	1,380	0	0	1,248	0	0	Work completed.
230	Oil-painting to the ceiling and roof scantlings etc., on the 1st floor occupied by Shri Bhivandiwalla Case No. M/298 ...	560	0	0	320	8	0	Work incomplete.
231	Oil-painting, white-washing and colour-washing to G Ward Drainage Office at DeLisle Road ...	541	0	0	502	1	0	Work completed.
232	Providing a new 1 1/2" water connection from 9" main for new Labour Camp at Worli, Cleveland Road ...	2,171	0	0	652	14	0	Work incomplete.
233	Repairing the screen wall on the western side of stable No. 2, at Bandra Slaughter House ...	1,673	0	0	1,379	13	0	Work completed.
234	Repairs to C. I. sheet fencing doors etc., and factory roof, etc. at the junction of Tulsi Pipe Line Road and Fergusson Road ...	385	0	0	108	11	0	"
235	Renewing the cement plaster of wall fronting the entrance of Shroff Wadi at T. P. Line Road Case No. M/295 ...	270	0	0	213	0	0	"
236	Renewing the overhead wiring at Case No. 298 at Cadell Road ...	213	0	0	174	5	0	"
237	Enlarging the existing 3/4" water connection by 1" new connection at the public latrines at Fergusson Road ...	1,150	0	0	223	9	0	Work incomplete.
238	Renewing the window shutters and frame of the room fronting the entrance to Shroff Wadi, Case No. M/295, T. P. Line Road ...	179	0	0	153	5	0	Work completed.
239	Repairs to W. C. block attached to Case No. M/295 at Shroff Wadi, T. P. Line Road ...	892	0	0	48	0	0	Work incomplete.
240	Repairs to flooring of 1st floor passage between two chawls at Case No. 751B, T. P. Line Road ...	1,955	0	0	1,135	1	0	"
241	White-washing internally and colour-washing externally etc., at Carr. ed forward ...	5,45,194	2	0	3,47,411	2	0	



Serial No.	Name of Work.	Amount provided.		Expenditure booked during 1954-55.		Remarks.
		Rs.	as. ps.	Rs.	as. ps.	
	Brought over	5,45,194	2 0	3,47,411	2 0	
	12 Halalkhore Chawls, Parbhadevi, DeLisle Road	510	0 0	536	3 0	Work completed.
242	Colour-washing in distemper to the walls internally and cement wash to the rough cast externally to Fergusson Road A. C. Shed.	397	0 0	293	1 0	"
243	Repairing the flooring of Room No. 32 on 1st floor of Case No. 751B at T. P. Line Road	781	0 0	458	11 0	Work incomplete.
244	White-washing internally and externally to Fergusson Road Municipal Market	229	0 0	144	9 0	Work completed.
245	White-washing and colour-washing internally and externally at Worli Municipal Market	743	0 0	553	15 0	"
246	Renewing the flushing tank of W.C.'s and other fittings in Block No. 1 at Case No. M/295, Shroff Wadi, T. P. Line Road	737	0 0	1 8	0	Work incomplete.
247	Extending the open channel drain upto the compound wall on the south side at Case No. M/295, Shroff Wadi	264	0 0	209	4 0	Work completed.
248	Repairs to the W.C. seat door shutter and cement plaster to the walls of W.C. block at Case No. M/295, Shroff Wadi, T. P. Line Road	389	0 0	260	3 0	"
249	Repairs to the flooring of nahani of Room No. 5, 7, 8 and 9 on ground floor, Case No. 751B, T. P. Line Road	308	0 0	1 8	0	Work incomplete.
250	Repairs to weather sheds on the western side of ground floor flat at Case No. M/298, Central Building at Cadell Road, Mahim	212	0 0	192	10 0	Work completed.
251	Renewing the cesspool and cleansing the drain, etc., of latrines attached to out-house Case No. M/298, Cadell Road	191	0 0	71	1 0	Work incomplete
252	Providing new washing place with two taps and 1/2" water connections at T. P. Line Road Case No. M/295, Shroff Wadi	768	0 0	609	14 0	Work completed.
253	Providing regular inspection chamber in place of masonry pits and renewing the underground S. W. pipes at Parbhadevi Night Soil Depot at DeLisle Road	1,140	0 0	912	15 0	"
254	Renewing the automatic C. I. flushing tanks with all other fittings of Public Urinal at DeLisle Road Opp. Apollo Mills	422	0 0	332	5 0	"
255	Renewing the storage tank of the Public Urinals at DeLisle Road, opposite Apollo Mills	354	0 0	278	7 0	"
256	Oil-painting the ceiling with all roof member doors, windows of office and wooden members of the stable at G/N Stables and office at Dadar	7,358	3 0	...	...	Work incomplete.
	Total	5,59,997	5 0	3,52,267	4 0	

## APPENDIX C-2

## Statement of New Works executed during the year 1954-55.

Serial No.	Name of Work.	Amount provided.	Expenditure booked during 1954-55.	Remarks.
1	Construction of Dark Room at Propaganda Office of Ground floor at Ex-Trust Office.	Ra. 901	Ra. as. ps. 885 7 0	Incomplete.
2	Proposed W.C. block and washing place at North Brook Garden to mali's quarter at North Brook Garden.	5,089	3,410 0 0	Complete.
3	Proposed staff quarter and washing place by adding a floor over the garage and Store room at Electric Crematorium at Chandanwadi.	28,270	...	The work in progress.
4	Providing W. I. Storage tank, in mutton section at Erskine Road Market	1,799	...	Work not started.
5	Providing W. I. Storage in H & L Section at Erskine Road Market ...	1,799	...	"
6	Providing 8 flushing tanks to the public convenience at Siri Road ...	758	571 11 0	Complete.
7	Improving the water supply of new Sweepers' Chawl at Bapty Road ...	1,301	...	Deferred.
8	Providing two lavatories on first floor of Chawl No. 1 at Gowalia Tank Fire Station (part provision).	5,000	...	Works now complete.
9	Providing and fixing doors to the Engine Room at Gowalia Tank Fire Station.	1,186	...	Work not started.
10	Construction of additional urinal stalls at the existing urinal block at Victoria Garden Road.	2,142	...	Cancelled by H. S.
11	Providing railing around the doove cage in the Victoria Gardens ...	2,866	2,800 3 0	Complete.
12	Providing a small Carnivores House in the Victoria Garden (Part provision).	10,000	6 8 0	Inprogress
13	Providing railing around the Myna cage in the Victoria Gardens ...	2,866	2,601 10 0	Complete.
14	Demolishing the existing wall in the washing place and providing a new one at G. M. C. Market.	648	642 3 0	"
15	Providing compound wall for Yard No. 2 at Central Stores	6,896	...	Provision surrendered.
16	Construction of a room of temporary nature for a canteen for the Labour staff at the Bai Yamunabai L. Nair Charitable Hospital.	674	523 12 0	Complete.
17	Providing an additional storage tank of 800 gallons capacity at the 100 beds building at the Bai Yamunabai L. Nair Charitable Hospital.	1,045	892 7 0	"
18	Providing and fixing country teak plank ceiling in Ward No. 8 of the B. Y. L. Nair Charitable Hospital.	5,000	...	Work in progress.
19	Providing wash basin in front of W.C. and fixing white glazed tiles to the wall and floor of the bath room and W.C. at the junior R.M.O.'s Quarters at the Arthur Road Hospital.	337	151 4 0	Complete.
20	Providing two wash basins in the Vegetarian and Non-Vegetarian kitchens at the Arthur Road Hospital.	295	194 2 0	"
21	Providing additional overhead storage tanks, over the new proposed R. C. C. trestle in servants Quarters at the Arthur Road Hospital.	1,629	1,274 8 0	"
22	Providing necessary fire precautionary measures at the T. N. M. College.	3,000	...	M.E.'s work.
23	Providing a water shade to the Vernandah at Chawl No. 6 at Tank Pakhedi, H. D. Chawls.	263	...	Work in progress.
24	Providing permanent wire glass weather sheds to A.E.M. II's office Sankli Street.	693	641 4 0	Complete.
25	Providing a W.C. Block washing place and tiffin room for the office staff at Fire Brigade Head Quarters, Byculla.	3,000	2,617 9 0	Complete.
26	Providing two new W. I. entrance gates in place of old wooden gates at DeLisle Road Sheep Market.	1,021	883 9 0	"
27	Constructive semi-permanent structure between Ward 3 and 4 (using 50% old material reclaimed from demolished structure T/75-76) at M. G. H. Sion.	12,076	5,526 9 0	"
28	Providing additional water closets in two upper floors of Nurses' Home, K. E. M. Hospital at Parel.	541	174 5 0	"
29	(i) Repairs to and repainting of storage tank and other work ... (ii) Providing I. H. P. Booster pump with necessary connection at K. E. M. Hospital, Parel.	1,892	1,102 6 0	"
30	Construction of Dhobi Ghat and four Bhattis for Dhobi Ghat at M.G.H. Sion.	7,090	5,246 14 0	"
31	Cement mortar vata oil painting and providing, fixing door shutters to O. T. Centre, at K. E. M. Hospital, Parel.	424	284 3 0	"
32	Providing three additional eight points at Sewree Fire Brigade Station, Sewri.	81	80 11 0	"
33	Construction of a privy block and privy seats, 1 urinal for the use of Dhobies at M. G. H. Sion.	1,520	1,304 7 0	"
34	Providing 4 R. C. C. storage tanks in place of 4 M.S. plate worn out tanks of same capacity over Nurses' Home at K. E. M. Hospital at Parel.	200	189 12 0	"
35	Providing a urinal stall in the existing W.C. on ground floor of the C.V. Depot Compound at Parel Poivavdi.	232	100 3 0	"
36	Construction of temporary shed for F/N Drainage Office at Matunga Pumping Station at Matunga.	1,036-1-0	1,036 1 0	"
37	Providing R. C. C. storage tank in place of worn out M.S. plate storage tanks over the Assistant Dean's Quarters at K. E. M. Hospital, Parel.	932	2 9 0	Incomplete.
38	Providing and fixing barbed wire fencing with R. C. C. posts and 2 gates for the proposed Playground at Dharavi S. P. Sheds, Dharavi.	3,513	151 10 0	"
39	Providing pathway to proposed garden at Jain Co-operative Society Ltd., Sion.	1,256	1,181 11 0	"
40	Providing barbed wire fencing to proposed garden behind the Jain Co-operative Society, Ltd., Sion.	2,178	1,834 1 0	"
41	Providing washing place near the urinal etc., at Curry Road Low Level (South).	140	114 6 0	Complete.
42	Providing C. I. sheet screen wall to close the view of burning chambers from east side at Hindoo Cemetery No. 45, Mahim.	3,971	2,270 10 0	"
43	Providing open channel drain with C. I. gratings in the vegetable squatters area at the south side of main market building at Worli Market, Worli.	717	458 10 0	"
44	Providing storage tank of 1,000 gallons in the fish and mutton section at Worli Municipal Market.	1,608	...	Incomplete.
45	Providing storage tank of 1,000 gallons for washing purpose at Ferguson Road Market.	1,979	...	"
46	Providing storage tank of 1,000 gallons at Gopi Tank Market	1,823	...	Incomplete.
47	Providing a storage tank of 1,000 gallons for washing purpose in the Fish Section of Prabhadevi Municipal Market at DeLisle Road.	1,764	...	"
48	Improving the junction of Ferguson Road and DeLisle Road Over-bridge (R. C. C. Works).	2,785	2,310 12 0	Complete.
	Total	...1,36,236-1-0	41,465 13 0	

## APPENDIX C-3

Statement showing the Budget provisions and expenditure booked there against under different heads in Revenue Budgets 'A' and 'B.'

Revenue Budget 'A'		Provision.	Expenditure.
		Rs.	Rs.
(1) Normal Repair	...	3,20,207	2,04,258
(2) Special Repairs	...	5,95,787	1,96,086
(3) New Works	...	1,67,785	76,778
(4) Repairs for acquired properties	...	13,000	8,724

Revenue Budget 'B'		Provision.	Expenditure.
		Rs.	Rs.
<b>I.—Normal Repairs and Lighting charges for :</b>			
(1) Acquired properties	...	1,83,500	1,74,088
(2) Chawls—Permanent	...	3,03,000	3,25,693
(3) S. P. Sheds	...	89,000	91,245
(4) Office Buildings	...	29,000	27,404
<b>II.—Special Repairs</b>			
(1) Acquired Chawls	...	1,35,000	71,577
(2) Chawls	...	8,50,000	7,00,752
(3) S. P. Sheds	...	70,000	51,498

## APPENDIX C-4

Statement showing mileages, areas, areas repaired and expenditure booked in respect of Roads and footpaths

Roads								
Serial No.	Kind of Road.	MILEAGE.		TOTAL AREA.		Area repaired during the year.	Expenditure for repairs and Maint. 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.	Rs.	Rs.
(1) Waterbound Roads	...	3,718	3,718	63,767	63,767	...	...	...
(2) Bituminous Roads	...	172,521	172,881	32,10,677	32,11,628	2,09,165	5,94,765	31.59
(3) Sheet Asphalt Roads	...	51,910	51,910	12,04,575	12,04,575	19,874	89,485	50.03
(4) Concrete Roads	...	35,813	35,903	6,62,074	6,63,010	73,47	35,700	53.99
(5) Sett paved Roads	...	9,644	9,644	1,59,310	1,59,310	17,855	51,134	31.82
<b>Total</b>	...	<b>273,606</b>	<b>274,056</b>	<b>53,00,403</b>	<b>53,02,290</b>	<b>2,54,241</b>	<b>7,71,084</b>	

Footpaths					
Serial No.	Kind of Footpaths.	Mileage.	Total area in Sq. yds.	Area repaired in Sq. yds.	Expenditure
					Rs. as ps.
(1) Bituminous Surfaces	...	71.77	4,03,677	28.45	312 9 0
(2) Blue Stone pavement	...	67.27	4,07,451	2,551.93	59,682 2 0
(3) Precast Slab pavement	...	13.16	1,47,033	...	...
(4) Concrete cast in situ.	...	9.74	75,656	398.18	5,185 0 0
(5) Asphalted Surfaces	.....	10.40	1,18,834	...	...
(6) Shahabad Slab	...	84.75	4,99,331	850.65	64,61 0 0
(7) Katch'a footpath	...	27.26	3,38,232	...	...
<b>Total</b>	...	<b>284.35</b>	<b>19,90,414</b>	<b>3,821.21</b>	<b>51,640 11 0</b>

## APPENDIX C-5

## I.—Summary of roads renewed with 3" Sheet Asphalt during 1954-55—

Serial No.	Name of Road.	Limits.		Area in Sq. yds.	Amount of expenditure.
		From	To		
<i>Advances, Special Fund, Renewal of Road Surfaces Funds</i>					
1	Dockyard Road	... Reay Road	... Nesbit Road	1 280	Rs. 11 840 0 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	Dockyard Road	...		1,939	22,396 4 0
2	Sion Road	... Agarpada	... Sion Bridge	7,288	86,603 7 0
Total ...				10,507	1,20,839 11 0

II.—Summary of Roads repaired by  $\frac{3}{4}$ " asphalt premixed carpet—

Serial No.	Name of Road.	Area laid in Sq. yds.	Cost.		
			Rs.	a.	p.
1	Haines Road from Mahalaxmi overbridge to Worli Naka (in portions)...	7,091	21,671	9	0
2	Dr. D. V. Pradhan Road from Lakhamsi Napoo Road to Sir Bhalchandra Road.	1,169	2,104	1	0
3	DeLisle Road between Currey Road and Baula Masjid	3,869	10,059	6	0
4	Mancherji Joshi Road between Tilak Road and Abdenwalla Road	5,876	15,079	7	0
5	Waudby Road between Bori Bunder and Mahatma Gardhi Road	3,108	8,132	2	0
6	Dharavi Road between Mori Road and Western India Tanneries	2,462	6,482	13	0
7	Lady Jehangir Road junction Mancherji Joshi Road and Abdenwalla Road.	5,949	28,505	7	0
Total ...		29,522	92,034	13	0

## APPENDIX C-6

## Statement showing footpaths asphalted during 1954-55—

Serial No.	Name of Footpath.	Area in Sq. yds.	Amount.		
			Rs.	a.	p.
1	Cadell Road	10,928	21,524	5	0
2	Shivaji Park Cross Road	228	622	9	0
3	Mori Road	140	266	7	0
4	Sitladevi Temple Road	7,844	14,903	3	0
5	Carnac Road	918	1,756	11	0
6	Haines Road	4,173	7,927	14	0
7	Hornby Vellard	4,359	8,280	12	0
8	Globe Mill Passage	1,687	3,204	11	0
9	DeLisle Road	479	910	2	0
10	Dr. Annie Besant Road	582	1,105	9	0
11	Forjet Street	1,445	2,744	11	0
12	Dadar Cross Road	482	916	2	0
13	Sewri Cemetery Road	124	235	0	0
14	King Edward Road	941	1,788	0	0
15	Kashinath Dhuru Road	2,962	5,628	0	0
16	Portuguese Church Street	4,790	9,120	11	0
17	Sion Road	1,101	2,091	14	0
18	Jijibhai Lane	1,659	3,152	2	0
19	Government Gate Road	336	638	6	0
20	Dr. D. V. Pradhan Road	462	877	13	0
21	Ash Lane	559	1,062	2	0
22	Katrak Road	3,606	3,051	6	0
23	Old Prabhadevi Road	2,208	4,195	0	0
24	Khed Gully	1,545	2,935	8	0
Total ...		51,668	98,938	14	0

## APPENDIX C-7

## Reinstatement of Trenches

Serial No.	Department.	Length of the trenches in Rft.	Area in Sq. ft.	Cost. Rs.
1	Water Department	97 327	2 59 835	2,80,957
2	Drainage Branch	6,028	18,390	24,985
3	Bombay Gas Co. Ltd.	10 622	27 046	20 995
4	The B. E. S. & T. Undertaking	54 536	1 52 976	1 80 055
5	Indian Posts and Telegraphs Department	87 408	2 44 023	2 61 187
6	Lighting	3 673	8 634	9 346
7	Miscellaneous Agencies	12 066	38,672	51,334
Total ...		2,71,660	7,49,576	8,28,859

## APPENDIX C-8

## I.—Summary of work done by the Hot Mix Plant

Serial No.	Description.	Area in Sq. yds.
1	Renewing the Road surfaces with 3" sheet asphalt	10,507
2	Repairs to Capital Roads with 3" sheet asphalt or asphalt seal coats etc.	44,334
3	Reinstatement of trenches with 3" sheet asphalt	3,328
4	Providing ¾" pre-coated chips or grit coat etc., over a tack coat of Bitumen emulsion, on semi-grouted Roads which were worn out	29,522
5	Providing ½" to ¾" premixed asphalt sand carpet on footpaths	51,668
6	Asphalting work done in the Suburbs	7,741
Total ...		1,47,100 Sq. yds.

## II.—The tests carried out by the Asphalt Plant Laboratory

Serial No.	Description of Tests.	No. of Tests.
1	Extraction	2
2	Platform sand tests for surface mixtures	423
3	Platform sand and metal test for Binder mixtures	404
4	Tests of sand from Depot	84
5	Tests of metal and filler	34
6	Void tests of aggregates	1
7	Specific Gravity Tests	5
8	Penetration tests	144
Total ...		1,097

## APPENDIX C-9

## I.—The Private Streets, the works in respect of which were completed or nearing completion at the close of the year :—

Serial No.	Name or particulars of the Street.	Remarks.
1	Private Street known as Victoria Bunder Road (Action under Section 377(1-A).	Completed.
2	Private Street off Gowalia Tank Road. (Action under Section 305).	Completed except for a small portion the ownership of which was claimed by one of the frontagers Shri Gokuldas Narainji who also filed a suit against the Corporation for declaration of his title to the strip of land. The case stood transferred to the Long Cause Court.
3	Private Street known as Gavli Chawl Lane. (Notice under Section 377(1-A).	... Nearing completion.

## II.—The private streets, in respect of which work orders were issued during the year

Nil.

## III.—Private Street declared or treated as public streets:—

Serial No.	Name or particulars of the Street.	Date of declaration.	Approximate area in Sq. yds.	Remarks.
1	Private Street known as Bhaskar Bhawoo Oart near Gamdevi.	2-1-1955	265	Declared public under Section 306 of the B. M. C. Act.
2	Private Street off Dr. Viegas Street known as 9th Cavel Cross Lane.	1-6-1954	551.33	Declared public as the street has been in existence since Laughton Survey in 1865 and also as a sewer was laid in this street prior to 1888.

## IV.—The cases in which demand notices under Section 491 were issued during the year:—

Serial No.	Name of particulars of the Street.	Amount.
1	Private street in Khotachi Wadi off Vithalbai Patel Road	Rs. a. p. ... 4,131 6 0

## APPENDIX C-10

## Statement showing the details of Road Rollers:—

Work.	Type of Rollers.	ON REGISTER.				Under heavy repairs.	Scraped.	IN WORKING ORDER.			
		Steam.	Diese.	Petrol.	Total.			Steam.	Diesel.	Petrol.	Total.
Ordinary Road work.	(a) Three-Wheeler	20	22	2	44	5	...	16	22	1	39
	(b) Two-Wheeler.	...	1	1	2	1	...	...	...	...	...
Road work at Vaitarna	(a) Three-Wheeler.	...	1	...	1	...	...	...	...	...	1
Ordinary Road work at Suburbs.	(a) Three-Wheeler.	1	...	...	1	...	...	1	...	...	1
	(b) Two-Wheeler.	...	1	...	1	...	...	...	1	...	1
Asphalt Plant	(b) Two-Wheeler ...	3	4	...	7	1	1	1	4	...	5
Total ...		24	29	3	56	7	2	18	28	1	47

## APPENDIX C-11

## Statement showing total output of the Crushers and the rates charged for supply of metal including haulage of different sizes of materials:—

Kind of metal.	Worli Crushers.	Sewri Crushers.	Rate per Brass including haulage charges.		
			Rs.	a.	p.
Metal 1 1/2"	...	Brass. 432	25	0	0
Metal 1"	...	419	37	0	0
Metal 1/2"	...	2,017	39	0	0
Metal 3/8"	...	...	39	0	0
Grit and Dust	...	720	33	0	0
Crusher Run	...	230	37	0	0
Filler	...	3	...	...	...

## APPENDIX No. C-12

## Showing the Roads on which lighting was improved:—

Name of Road.	Type of improvement.
(1) Rebsch Street	... Gas lighting.
(2) Goll Street	... Do.
(3) Agripada Chawl Road	... Do.
(4) Tilak Bridge and Approach Road	... Electric lighting.
(5) Currey Road Bridge and approach road	... Do.
(6) Elphinstone Bridge & approach roads	... Do.
(7) Arthur Road Bridge & approach roads	... Do.
(8) Dadasaheb Falke Road	... Do.
(9) Dr. Viegas Street	... Do.
(10) Cavel Street	... Do.
(11) Palton Road	... Do.
(12) Khan Abdul Gaffar Khan Road	... Do.
(13) Bellasis Road between Lamington Road and Foras Road	... Do.

## APPENDIX No. C-13

## —Showing Roads where Incandescent Oil Lamps were replaced by electric lamps:

- (1) Dharavi Cemetery and the passage leading to it.
- (2) Roads in Dharavi Labour Camp.
- (3) Ash Lane.
- (4) Passage between Prabhadevi Road and Sayani Road.
- (5) Chowney Gully between Dr. Annie Besant Road and New Prabhadevi Road.
- (6) Katrak Compound at the junction of Sewri Cross Road and Katrak Road.
- (7) Case No. 415 at Katrak Road.
- (8) Sion Koliwada.
- (9) Spring Mill Lane.
- (10) Worli Cemetery Road.
- (11) Mogul Lane.
- (12) Wadala Village.

## APPENDIX D-1

*Showing details of requisitions classified according to sections of the Bombay Municipal Corporation Act:—*

Section of the Act under which requisition issued.	No of requisitions outstanding on 31-3-1954.	No of requisitions issued during 1954-55.	No of requisitions complied with during 1954-55.	No. of requisitions outstanding on 31-3-1955.
231	61	67	78	50
233A (b)	18	45	33	30
243 (2)	2	5	4	3
244 (1).	6	10	14	2
244 (2).	1	1	...	...
248 (1) (c)	...	2	...	2
257 (1) (a).	1588	4133	4305	1416
257 (1) (a) (i).	4	9	6	7
258 (c).	1	...	...	1
258 (f).	1	...	1	...
257-260	11	61	69	3
Total ...	1693	4333	4510	1516

## APPENDIX D-2

*Showing details of prosecutions launched and fines inflicted:—*

Section of the Act under which prosecution launched.	No. of cases pending on 31-3-54.	No. of prosecutions during 1954-55.	No. of cases withdrawn during 1954-55.	No. of cases pending on 31-3-55.	No. of convictions during 1954-55.	No. of cases in which parties were warned or discharged.	Amount of fine.
							Rs. a. p.
231	19	16	4	15	14	2	140 0 0
233A (b)	2	11	2	5	6	...	115 0 0
243 (2)	2	2	1	2	1	...	15 0 0
257 (1) (a)	123	372	75	172	198	50	2,144 0 0
257 (1) (a) (i)	2	...	1	...	1	...	10 0 0
258 (a)	...	2	...	2	...	...	...
258 (c)	12	...	...	...	9	3	45 0 0
472	21	51	16	17	37	2	848 8 0
Total ...	181	454	99	213	266	57	3 317 8 0

## APPENDIX E-1

*Showing the comparative quinquennial figures for the period from 1950-51 to 1954-55 in respect of applications received:—*

Year.	Under Section 337.	Under Section 342	Total no. of buildings dealt with.	Total number of applications.
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
1953-54	826	1,241	2,067	5,052
1954-55	916	1,135	2,051	4,600

*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.

## APPENDIX E-2

Showing wardwise distribution of tenements constructed during the year as also 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.
<i>Tenements Constructed</i>				
A	...	...	6	6
B	...	16	13	29
C	8	9	60	77
D	4	44	196	244
E	32	19	261	312
F	35	151	493	679
G	76	121	152	349
Total ...	155	360	1,181	1,696
<i>Tenements demolished</i>				
A	41	...	9	50
B	131	2	1	134
C	61	30	4	95
D	85	...	14	99
E	100	5	1	106
F	12	...	...	12
G	44	...	...	44
Total ...	474	37	29	540

## APPENDIX E-3

Statement showing the number of summonses issued against house-owners under various sections of the Bombay Municipal Corporation Act with the results of proceedings in the Courts:—

Section of the Act.	No. of cases of prosecution	No. of cases withdrawn or complied with.	No. of cases in which parties were acquitted.	No. of cases in which parties were warned and discharged.	No. of cases postponed.	No. of cases in which parties were convicted.	Amount of fine.
1	2	3	4	5	6	7	8
<i>Byelaw 46 Sec.461</i>	1	...	...	...	...	1	Rs. a. p. 5 0 0
223	1	...	...	1	...	...	...
231	2	...	...	2	...	...	...
251B	5	...	...	3	2	...	...
258(a)	27	8	2	3	2	12	213 4 0
258(c)	2	...	...	...	1	1	20 0 0
259A(1)	1	...	...	...	...	1	5 0 0
304(1)	7	1	...	...	1	5	24 0 0
308(2)	72	10	2	21	11	28	611 0 0
329	9	2	1	...	3	3	60 0 0
337	76	11	6	7	13	39	941 0 0
342	238	82	10	12	31	103	2,078 0 0
347A	82	6	2	6	37	31	479 1 0
347B	6	1	...	...	3	2	10 0 0
349	62	9	1	11	10	31	303 8 0
349D	1	...	...	...	...	1	20 0 0
353	16	1	1	2	6	6	105 0 0
353A	260	7	2	11	91	149	3,573 12 0
377(1)	19	3	1	4	3	8	147 0 0
377A(1)	1027	201	29	416	57	324	4,390 0 0
383	6	...	...	4	...	2	10 0 0
507(3)	185	14	1	14	71	85	1,324 0 0
Total ...	2,105	356	58	517	342	832	14,319 9 0

## APPENDIX E-4

Showing the amount spent on acquisition of setbacks during the five-year period 1950-1951 to 1954-55:—

Year.	Amount paid as setback compensation.
1950-51	4,99,309 4 0
1951-52	5,13,580 6 0
1952-53	4,55,313 0 0
1953-54	5,36,919 0 0
1954-55	4,97,108 6 0



## APPENDIX E-5

List of regular lines of streets prescribed and revised in the year 1954-55:—

1	Plan	No. A.E.S./78 9-6-1953	Prescribing regular line on Narayan Dhabolkar Road at C.S. No. 353, and South side at C.S. No. 1/231.	Sanctioned by M. C. in case No. E.B./4898-A on 18-7-1953.
2	Plan	No. A.E.S./80/D2 20-6-1953	Revising regular line on Pedder Road on C.S. No. 1/738 and 10/738 and C.S. No. 735 (north side).	Sanctioned under C.R. No. 103 of 3-5-54 and case No. E.B./4887-A of 23-10-1953.
3	Plan	No. A.E.S./81-A 20-6-1953	Revising regular line on Pedder Road on C.S. No. 710, 213, South side and C.S. No. 708 and 699 North side.	Sanctioned under C.R. No. 163 of 3-5-1954 and case No. E.B./4888-A of 23-10-1953.
4	Plan	No. A.E.S./81 10-7-1953	Revising regular line at the junction of Pedder Road and Gowalia Tank Road affecting C.S. No. 618 near Kemps Corner.	Sanctioned under C.R. No. 163 of 3-5-1954 and Case No. E.B./1935-A of 28-7-1953.
5	Plan	No. A.E.S./91 8-10-1954	Prescribing regular line on Mayo Road from Cooperaage Road to Veer Nariman Road.	Sanctioned by M. C. as per Case No. E.B./7164-A, of 5-11-1954.

## APPENDIX F-1

Report on the Dadar Sewage Purification Works for the year 1954-55  
(Inclusive of Extension)

1.	Sewage Treated	...	4,162,983	Million gallons.
2.	Grit removed	...	1,62,468	Cu. feet.
3.	Screenings removed	...	7,897	Cu. feet.
4.	Sludge to Consolidation Tanks	...	2,59,03,250	Gallons.
5.	Sludge to Digestion Tank	...	3,16,35,500	Gallons.
6.	Dry matter added to Digestion Tank	...	1,60,13,011	lbs.
7.	Volatile matter to Digestion Tank	...	92,74,354	lbs.
8.	Digested Sludge removed	...	48,35,000	Gallons.
9.	Total Gas generated	...	4,41,19,930	Cu. feet.
10.	Gas per gallon of sludge added.	...	1.30	Cu. feet.
11.	Gas per lb. of dry matter added	...	2.51	Cu. feet.
12.	Gas per lb. of volatile matter added	...	4.42	Cu. feet.
13.	Gas per 1,000,000 gallons of Sewage treated	...	9,657	Cu. feet.
14.	Total Electric consumption	...	12,20,265	K. W. H.
15.	Horse Power required per million gallons of sewage treated	...	13.72	
16.	Total Expenditure:—			
	(a) Electric Power		Rs. 31,551	a. P. 7 0
	(b) Salaries and wages fixed		94,593	11 0
	(c) Materials and supplies (Laboratory included)		67,091	8 0
	(d) Miscellaneous expenses.		12,496	0 0
		Total	2,65,732	10 0
17.	Returns:—			
	(a) Sales of Gas Rs. 1,23,283-14-0 including Meter rent.			
	(b) Sale of Manure Rs. 8,704-14-0			
18.	Cost per million gallons of Sewage treated.	Rs 49. 42		
19.	Analytical Data:—			

	Sewage.	Purified Effluent of activated Ext. sludge Plant.	Sewage.	Purified Effluent of Bombay Filter.
4 Hours Oxygen absorption	...	6.7	1.50	5.2
Suspended Solids	...	46.1	1.3	26.8
Dissolved Oxygen	...	...	0.18	...
B. O. D.	...	346.2	17.3	239.8

## APPENDIX F-2

Statement showing Gas generation and Utilization for the year 1954-55:—

(A) Gas Generation—Unit		Gas Generation in Cu. ft.	
(i) Digestion Tank No. 1	...	89,39,730	
(ii) Digestion Tank No. 2	...	3,51,80,200	
Total Gas Generation		4,41,19,930	

(B) Gas Utilization.	Percent. of Total Generation.	Gas Consumed	Revenue of Sales of Gas.
			Rs. a. p.
(a) Hospital	38.46 per cent.	1,69,72,066	67,453 11 0
(b) Municipal Staff	3.62 per cent.	15,97,750	6,598 0 0
(c) Private Parties	26.64 per cent.	1,17,55,150	46,862 15 0
(d) (i) Laboratory	0.68 per cent.	3,00,000	
(ii) Engine	2.15 per cent.	9,50,554	
(iii) Lorry charging	0.42 per cent.	1,86,000	755 10 0
Total Gas Consumed	71.97 per cent.	3,17,61,520	1,21,670 4 0
Total Gas Wastage	28.03 per cent.	1,23,58,410	1,613 10 0 Meter Rent.
			1,23,283 14 0 Total Income.

## APPENDIX F-3

Five Years' Summarised Data of Dadar Purification Works:—

Serial No.	Particulars.	1950-51	1951-52	1952-53	1953-54	1954-55
1	Sewage treated in million gallons	3,501.286	3,952.586	4,073.53	3,746.43	4,162.983
2	Grit removed in Cubic feet	1,43,020	1,64,434	1,88,665	1,97,532	1,62,468
3	Screening removed in cubic feet	4,901	9,896	9,947	8,987	7,897
4	Sludge to Digestion Tank in gallons	1,44,81,000	1,65,39,384	2,28,77,500	2,96,95,000	3,16,35,500
5	Digested Sludge removed in gallons	29,05,000	42,80,000	46,17,000	53,20,000	48,35,000
6	Total Gas generated in cubic feet	2,50,70,465	3,29,96,800	3,88,49,600	4,51,15,100	4,41,19,930
7	Electrical Units consumed in K.W.H.	10,91,318	13,31,092	13,91,341	13,78,148	12,20,265
8	Total cost of maintenance in Rupees	1,90,020	2,09,142	2,30,780	2,70,082	2,05,732-10-0
9	Electrical expenses in rupees	28,544	37,014	38,518	47,881	31,552
10	Gas supplied to the K. E. M. Hospital and other Hospitals and staff quarters	1,47,79,400	2,32,94,530	2,68,54,251	3,16,32,647	3,17,61,520
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
11	Income of the gas supplied to Hospitals and staff quarters	43,573 13 0	62,689 15 0	78,483 8 0	1,11,242 6 0	1,23,283 14 0
12	Income from the sale of dried sludge manure	1,045 1 0	3,079 14 0	3,880 11 5	9,417 0 0	8,704 14 0

## APPENDIX F-4

## Dharavi Purification Plant

Yearly Report of the Year, 1954-55:—

Serial No.	Month and Year.	Sewage flow M.G.	Grit removed Cu.ft.	Screenings removed Cu.ft.	Sludge to Digestion Tank Gallons	Digested sludge removed gallons	Total Gas generated Cu.ft.	Gas/Gallon of sludge added Cu.ft.	Gas/M.G. of Sewage treated	Total Electrical Consumption K.W.H.	Average flow of sewage M.G.D.	Average Gas generated/Cu.ft.	Average Electrical consumption per day. K.W.H.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	March 1954	65.77	671	120	12,68,000	4,00,000	12,45,216	...	...	71,068	2.12	...	2,292.5
2	April 1954	80.30	621	246	9,66,000	3,58,000	9,69,510	...	...	68,430	2.8	...	2,281.0
3	May 1954	72.00	306	182	10,42,000	2,78,000	7,75,000	...	...	57,580	2.3	...	1,857.4
4	June 1954	131.64	724	230	2,16,000	54,000	...	...	...	85,270	4.38	...	284.3
5	July 1954	142.77	282	129	11,16,000	1,98,000	1,87,465	...	...	83,930	4.68	...	2,707.4
6	August 1954	136.34	636	175	11,92,000	2,80,000	24,630	...	...	94,370	4.39	...	3,044.2
7	September 1954	128.55	558	71	11,64,000	2,16,000	...	...	...	88,550	4.28	...	2,951.5
8	October 1954	88.66	324	95	8,60,000	1,20,000	...	...	...	47,030	2.86	...	1,517.3
9	November 1954	94.65	561	140	9,92,000	2,40,000	...	...	...	32,250	3.15	...	1,070.5
10	December 1954	79.70	677	269	11,36,000	2,46,000	2,77,650	...	...	42,490	2.57	...	1,370.6
11	January 1955	48.55	1,580	160	11,72,000	2,16,000	1,40,200	...	...	44,930	1.56	...	1,449.3
12	February 1955	70.88	1,483	270	10,64,000	1,80,000	3,85,015	...	...	63,570	2.53	...	2,270.3
		1,139.81	8,523	2,034	21,88,000	27,86,000	39,86,686	...	...	7,79,468	3.13	40,000	2,139.9

Remarks.—Gas generation figures are not correct as the Gas Meter was not working for a major part of the year. On an average a daily generation of 20,000 cu.ft. may be assumed for the four months during monsoon and 40,000 cu.ft. for the remaining 8 months.

## APPENDIX F-5

## \*Pumping Stations

Serial No.	Name of the pumping Stations.	Capacity No. of pumps × G.P.M.	Expenditure 1953-54	Expenditure 1954-55	Average quantity of Sewage pumped per day in MG 1953-54	Average quantity of Sewage pumped per day in M.G. 1954-55	Electric power consumed in 1953-54	Electric power consumed 1954-55	Average rate of electric power per unit 1953-54	Average rate of electric power per unit 1954-55	Remarks
1	Love Grove	2×56 M.G.D. 2×20 M.G.D.	3,02,516	2,80,799	71.48	71.08	29,51,700	30,78,980	0.61	0.60	...
2	Dadar	2×40 M.G.D. 1×1.25 M.G.D.	2,70,082	2,05,733	3.02	2.35	12,68,304	12,11,480	0.60	0.52	...
3	Matunga	2×2.5 M.G.D. 1×3 M.G.D. 2×6 M.G.D.	53,838	43,796	7.27	7.32	7,71,528	8,28,770	0.65	0.50	...
4	Mahim	1×3 M.G.D. 1×5 G.P.M. 2×1,900 G.P.M.	30,006	25,931	2.97	3.57	2,32,762	2,77,464	0.7	0.7	...
5	Jacob Circle	2×3000 G.P.M.	46,042	42,050	7.01	9.12	3,36,823	4,33,696	0.7	0.7	...
6	Poibavadi	2×400	11,166	7,149	0.34	0.19	36,562	15,727	0.7	0.7	Closed since February 1955.
7	Sewri	2×500	9,830	8,506	0.21	0.37	14,027	21,811	0.7	0.7	...
8	Tank Bunder	2×500	10,050	6,509	0.42	0.40	35,759	31,453	0.7	0.7	...
9	D. D. Chawls, Sewri	2×500	12,807	11,502	0.19	0.30	12,702	27,069	0.7	0.7	...
10	Wadala	3×500	12,255	15,388	0.56	0.93	91,936	65,179	0.7	0.7	...
11	Sion	3×500	7,041	4,854	0.09	0.12	16,814	23,623	0.7	0.7	...
12	Dharavi	2×2,000	7,302	3,473	0.73	0.61	11,416	8,840	0.7	0.7	...
13	Warden Road	2×500	...	...	0.41	0.59	...	...	...	...	...
14	Tulsi Pipe Line Road	2×3,500	...	12,135	1.59	2.68	...	...	...	...	...
15	Globe Mill	2×1,900 2×5 M.G.D. 1×10 M.G.D.	...	3,512	...	0.92	...	...	...	...	... Was put into operation since September 1954

## APPENDIX F-6

Details of total output of the Municipal Foundry during the year along with the sanctioned rates for their castings:—

Serial No.	Type of the Castings.	Nos.	Weight.				Rate Per.		Total Amount.				
			T.	Cwt.	Qr.	lb.	Rs.	a. p.	Rs.	a.	p.		
1	C.I. Manhole frames covers complete	460	110	9	2	16	65	0	0	Each.	29,900	0	0
2	C.I. Steps for Manholes ...	4,549	24	7	1	16	1	0	0	..	7,960	12	0
3	C.I. Boxes O. P. Drg. No. A.E.S./315.	100	2	17	0	16	16	0	0	..	1,600	0	0
4	C. I. Boxes S.T. Drg. No. A.E.S./314	105	1	17	2	0	9	0	0	..	945	0	0
5	C. I. N. P. Boxes Drg. No. A.E.S./317.	35	2	12	2	0	27	0	0	..	945	0	0
6	C. I. Inspection Chamber frames ...	350	8	18	0	14	15	0	0	..	5,250	0	0
7	C. I. Water castings (Machineable).	...	12	10	1	0	35	0	0	Cwt.	8,758	12	0
8	C. I. Water castings (Non-machineable).	...	6	3	2	3	28	0	0	..	3,458	12	0
9	C. I. weight blocks for D.P. Works.	100	15	0	0	0	15	0	0	..	4,500	0	0
10	Gun metal castings Comp. 88-10-2.	...	0	1	2	19	2	10	0	lb.	490	14	0
11	Brass Castings	...	2	9	1	18	1	12	0	..	9,684	8	0
12	Aluminium Castings	...	0	0	1	0	2	2	0	..	59	8	0
13	Copper castings	...	0	0	0	24	2	0	0	..	48	0	0
14	C. I. Oil castings	...	0	2	1	22	0	10	0	..	171	4	0
15	Chainage plates for Vaitarna	250	...	...	...	...	7	0	0	Each.	1,750	0	0
16	House number plates approx.	2,000	...	...	...	...	1	0	0	..	2,000	0	0
			187	10	0	8					77,522	6	0

## APPENDIX ' G '

Statement showing the number of vehicles in commission during the year 1954-55, servicewise and the expenditure incurred on them:—

Description of vehicles.	No. of vehicles.	Expenditure.
		Rs.
Inspection Cars	7	23,568
Committee	1	9,617
Hearses	5	16,560
Ambulances	6	31,757
Refuse lorries, Scammell Mechanical Horses and Trailers, Ferguson Tractor trailers, Moto Carts, Karrier Bantam Trucks, etc., International Crawler Tractor (Bull-Dozer).	380+1 (Bull-dozer).	15,07,876
Silt	14	32,298
Halalkhore	6	25,098
Encroachment	8	24,380
Offal	4	1,35,824
Meat Van	19	
Removal of Stall Boards	1	3,370
Station Wagons for Paymasters	3	15,880
Assessor's and Collector's Department	1	7,227
Station Wagons for misc. services	2	included under Committee.
Total ... (Bull-dozer)	457 +1	18,33,455

The following 9 new vehicles were purchased during the year under review:—

Serial No.	Make.	Cost.	Particulars.
		Rs.	
1	Chevrolet	17,154	Hearse for removing dead bodies.
2	Leyland	38,309	Silt lorry for Drainage Branch
3	Do.	38,309	Do. Do.
4	Do.	38,309	Do. Do.
5	Do.	38,309	Do. Do.
6	Do.	53,500	Meat van for Market Department.
7	Do.	53,500	Do. Do.
8	Studebaker	19,220	Truck for removing distrained articles for the Assessor and Collector's Department.
9	Studebaker	17,065	Car for the Education Officer.

# ESTATES AND LAND MANAGEMENT DEPARTMENT

Shri N. D. Baria, B. E., A.M.I.E. (India) was in charge of this Department till 13th September 1954 and Shri V. L. Changuarde, B.Sc., B.E., LL.B., who took over the charge from 14th September 1954 continued to hold the post till the end of the year.

## I—ACQUISITION OF LANDS

### (A) Improvement Trust Section.

1. *Scheme 5, Case No. 374, Temple Property.*—The Special Land Acquisition Officer submitted his award for approval of the Government who directed that the acquisition proceedings should be withdrawn and asked the parties to come to settlement. The matter was being attended to.

2. *Scheme 62, Worli Village.*—An area admeasuring 1,02,615 7/9 square yards of lands along the foreshore of the Worli Village was notified for acquisition in 1919 and the Special Land Acquisition Officer gave his Award in 1922. The Fazendar of the area was paid 50 percent. 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. Ultimately there was a stiff opposition from the Villagers for fear of being dispossessed of their ancestral properties and due to financial stridency the acquisition scheme was given up new scheme which would fully meet their objections and also enable the Municipality to carry out improvement in that locality was under consideration and the City Engineer was requested to prepare a lay-out showing the development of the locality. The matter was still pending during the year. 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.

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 respectively was acquired for being used as a recreation ground and for housing fishermen respectively. The cost of filling in and providing a retaining wall on the north was estimated at Rs. 3 25 300. The work of filling in only upto Road level 90 was started its estimated cost being Rs. 1,42,240. The work is still in progress.

4. *Scheme 6, Sion Matunga Estate.*—The document in respect of transfer of land admeasuring 2,780 square yards acquired from Government at a cost of Rs. 19,460 (at Rs. 7 per square yard) for the purpose of Municipal Housing was executed.

## B—MUNICIPAL SECTION

1. *Scheme for widening the 1st Marine Street, Dhobi Talao, (Case No. LAQ/16/5).*—Fresh agreement with the Trustees and the Deed of Conveyance in respect of the Municipal land to be transferred to the Trustees by way of exchange were still under preparation.

2. *Acquisition of land for the construction of 50' Road from Bhawanl Shankar Road to Tulsi Pipe Road off sewage Purification Works at Dadar :—C. S. No. 140 of Lower Parel Division (Case No. LAQ/40 (2)).*—The Court 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 Hindu Cemetery No. 74 at Worli (Case No. LAQ/138).*—The award of the Special Land Acquisition Officer was declared and the amount awarded was Rs. 1,02,948. Action was in progress for taking possession of the land.

4. *Acquisition of lands in C. S. Nos. 1338 6/1340, 6A1340, 1/1341, 2/1341, 3/1341, 1342, 1343, 1361, 1352, and 1363 of Lower Parel Division South of Dadar Purification Works for provision of a recreation ground and extension of purification works. (Cases Nos. LAQ/131/1 to 131/8).*—Appeals preferred by the claimants were decided by the High Court and extra compensation amounting to Rs. 77,558-4-0 was paid.

5. *Acquisition of certain lands occupied by Milch Cattle Stables in the City of Bombay for Public Municipal purposes (Cases No. LAQ/196 and 130/ ), 130/4 to 11, 130/13, 130/16, 130/19 to 130/23, LAQ/412 A and B, LAQ/158 and 140).*—Award for 3 cases (LAQ/142/B, 130/21 and 130/8 were declared and two High Court references in case Nos. LAQ/130/17 and 14 were decided and the total compensation amounting to Rs. 21,61,324 was paid in respect of these 5 cases.

*LAQ/130/7, C. S. No. 879 of Girgaon Division.*—The acquisition proceedings for the whole C. S. Number were in progress.

*LAQ/139/10, C. S. No. 326 of Tardeo Division.*—Proceedings for the acquisition to the whole property were taken. The award was ripe for declaration.

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).*—This site was proposed to be denotified under Corporation Resolution No. 1411, dated the 22nd February 1954 and notification was still awaited.

7. *Acquisition of land bearing C. S. No. 313, 69 (part) and 3/69 (part) of Colaba Division for a Municipal School and Fire Brigade, (Case No. LAQ/155).*—Possession of the property was taken over by paying the award money of Rs. 10,23,034.

8. *Acquisition of lands in C. S. No. 136 (part), 1/136 (part), 2/136 (part), 137, 138 and 139 of Lower Parel Division, along Drainage Channel for shifting cemeteries at Haines Road (Case Nos. LAQ/78/1 to 78/6).*—The claimants in all cases went in reference to the High Court under Section 18 of Land Acquisition Act of 1894, and these references did not come up for hearing during the year under report. Out of these, 3 cases were earlier disposed off by the High Court and extra compensation amounting to Rs. 84,292-15-9 was paid to the claimants.

9. *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 award in this case was declared and possession of the land was taken over on payment of award money of Rs. 2,62,000.

10. *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).*—The site originally notified was denotified. A new site to the north of the original one in C. S. No. 31 (part) of Sion Division was sanctioned for acquisition at the same rates under Corporation Resolution No. 188, dated the 18th June 1953. The possession of the land could not be taken as party's title to the land was under scrutiny. Government land in C. S. No. 32 (part) and C. S. No. 2/32 (part) was handed over to the Municipality. Conveyances were under preparation. The total estimated liability was Rs. 30,360.

11. *Acquisition of C. S. No. 1/760 and 2/760 of Mazagaon Division for a Municipal Pumping Station for Chinchpokli area (Case No. LAQ. 161).*—The case was closed for award. The liability was estimated at Rs. 36,007.

12. *Acquisition of land for extension of Bai Y. L. Nair Hospital and Topiwala National Medical College (LAQ. No. 165).*—The award was declared by Special Land Acquisition Officer and the amount paid was Rs. 3,68,161. Acquisition proceedings in respect of another site bearing C. S. No. 1597 (part) admeasuring 620 square yards were in progress and the award was awaited. The estimated liability was Rs. 60,000.

13. *Acquisition of C. S. No. 2/521 of Malabar Hill Division for offices set back and Municipal School.*—This land admeasuring 10,800 square yards was purchased from the Official Assignee of the High Court for Rs. 17,75,000 under Corporation Resolution No. 1411 dated the 22nd February 1954 and the property vested in the Municipality, Notices in Ejectment against the tenants were served.

14. *Purchase of Plot Nos. 76-98 (North) and 411-413 (South) Dadar Matunga Scheme 5 and 6, Khoja Orphanage Property.*—The Agreement to purchase the plot was completed and the possession of the property was expected to be given within a year.

15. *Acquisition of land for housing, Dadar Naigaum Division L. A. Q. No. 73.*—The land was notified for acquisition and the proceedings were still in progress.

16. *Acquisition of a site for a Maternity Home in Colaba area.*—Negotiations for acquisition of land in occupation of Deputy Custodian of Evacuee Property were in progress.

17. The following properties were considered for acquisition and remained to be notified: (1) Land at Tardeo for a Beef Market, (2) Land for a School in D. P. Wadi, Ghorapdeo, (3) Additional land for further expansion of Elphinstone Road Market, (4) A site for Schools in Colaba area and Fort Area, (5) Land at Mazagaon Division for a School and a market, (6) Land for a School at Vithalbhai Patel Road, (7) Some plots of Back Bay Reclamation Scheme for a market in Fort Area.

#### C.—SUBURBAN SECTION

(1) *Acquisition of Survey Nos. 297 (1) and 298 (1) of Bombay Agra Road near its junction Belgrami Road of Kurla or a pumping Station.*—The land originally notified for acquisition was denotified and only 5½ gunthas of land out of Survey No. 297 (1) and 298 (1) was notified for acquisition for use as passage to the rear Government creek land admeasuring about 1,340 square yards which would be used for the establishment of the pumping station. The total estimated cost of acquisition was Rs. 16,000. The award was awaited.

(2) *Acquisition of land at Bhandup for a Night Soil Depot, Survey No. 8 of Bhandup Village.*—The case before the Thana Prant Officer was closed for award. The Municipal liability in this case was estimated at Rs. 2,000 and the award was awaited.

(3) *Acquisition of land at Khar for Sewage Purification Works.*—Government land in Survey Nos. 353, 354, Bandra, admeasuring 14,065 square yards was taken over at Rs. 6 per square yard and the document was under preparation. The cost of Conveyance 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. Some additional area for eliminating a nitch in the area originally acquired was found to be necessary and the matter was under negotiation with the Government. The Corporation sanctioned the purchase of this additional land and the rate for the same was Rs. 6 per square yard subject to the payment of L. N. A. Assessment.

(4) *Acquisition of land near Chembur Station on Ghatkopar Mahul Road.*—Government had demanded a rate of Rs. 3 per square yard for Land in Survey No. 14-A of Chembur land the negotiations to reduce the rate were in progress. In the meantime it was proposed to take the possession of about 2 acres of land immediately for the construction of a pumping station as the area was fast developing.

(5) *Acquisition of land for Sewage Purification Works in Ambivalli Village along Versova Road.*—Possession of the land was being taken over from additional Special Land Acquisition Officer under the urgency clause, while the proceedings before that officer were still in progress. The Municipal liability was estimated at Rs. 57,700.

(6) *Acquisition of land at Kanjur Village for Sweeper's quarters and Refuse depot.*—The matter was still under consideration as suitable site for this purpose was not available.

(7) *Acquisition of lands out of Pestomsagar Scheme.*—Chembur, near Chembur level crossing for extension of labour camp, (Case No. L. A. Q. 121) the owners in some of the cases proceeded in reference under section 18 of the L. A. Act, 824 to the High Court and cases had not appeared on the Board by the end of year.

(8) *Acquisition of certain lands at Kurla for the establishment of a Market and offices.*—The land was notified for acquisition and was jointly surveyed with the representative of District Inspector Land Records office. The estimated liability was Rs. 1,20,000.

(9) *Acquisition of site in Santacruz Suburban Scheme (East) No. III for the construction of a School Building.*—Plot No. 50, Town planning scheme 3, Santacruz, was notified for acquisition and acquisition proceedings were in progress before the Additional Special Land Acquisition Officer. The Municipal liability was estimated at Rs. 39,000.

(10) *Acquisition of a site in Versova for the construction of Sweepers' quarters.*—Land admeasuring 3,500 square yards was notified for acquisition. Proceedings were in progress and the estimated cost was Rs. 11,855.

(11) *Acquisition of a site in Kurla-Takia Ward, for the construction of a school building.*—Land admeasuring 1,400 square yards was sanctioned for acquisition at an estimated cost of Rs. 11,000 and the same was being notified for acquisition. The proposal to acquire additional piece of land admeasuring about 2,250 square yards, for a playground for the school was under consideration.

(12) *Acquisition of a certain site in Santacruz (West) for the construction of a School Building.*—The land admeasuring about 3,600 square yards was sanctioned to be acquired and the Municipal liability was estimated at Rs. 56,500. Government did not notify the land for acquisition. The party's proposal for mutual settlement was under consideration.

(13) *Acquisition of land for construction of 40' Road off Ghatkopar Mabal Road near Chembur level crossing.* The Corporation approved the proposal for acquisition of site and the land is being notified.

(14) *Acquisition of land for development scheme at Vikhroli.*—A large area of land admeasuring about 72 acres and 23½ Gunthas was sanctioned to be acquired by the Corporation. Possession of an area of about 34 acres was taken over on payment of Rs. 2,25,000 to the parties, and the remaining area was being notified by Government under Section 4 of L. A. Act.

(15) *Acquisition of land for Acqua Privy block at Gundavali, Andheri.*—The Corporation sanctioned the proposal for acquisition of land and the Government were requested to notify the land under the L. A. Act.

(16) *Acquisition of land at Govandi for an approach Road to Govandi Railway Station.*—A portion of land was taken over at an agreed price of Rs. 4 per square yard. Preparation of conveyance was under progress. Regarding the remaining portion of the land, Government were requested to notify the same under the urgency clause.

(17) *Acquisition of land for Dispensary at Bhandup.*—Possession of land admeasuring 4024 square yards was taken over and the conveyance was under preparation. The estimated liability was Rs. 32,066.

(18) *Acquisition of land for Fire Brigade Station at Chembur.*—The land was notified by Government under section 4 of the L. A. Act of 1894.

(19) Other proposals for acquisition of lands in the Suburbs already under consideration were. (1) Proposed acquisition of sites for a Dispensary at Marol, (2) School at Machhalimar, Versova, (3) Fire Brigade station at Vikhroli Ghatkopar (4) A school at Ghatopar (5) A refuse depot at Harialli (6) A garden at Kiroli, (7) Sanitary conveniences at Irla and other Villages in Suburbs, (8) Approach roads to Mankhurd, (9) Cemetery at Mankhurd, (10) A Dispensary in Versova, (11) School at Trombay, (12) School at Vakola, (13) Fire Brigade Station at Andheri (14) A garden at Sadanwadi Bhandup (15) Two plots at Andheri one on East and one on West for Gardens (16) Squatters' Colony at Bhandup (17) for recreation club for municipal servants at Madh Island, (18) For a school at Kalina Housing Society.

## D—MUNICIPAL PROPERTIES UNDER ACQUISITION BY GOVERNMENT

### 1. *Acquisition by Defence Ministry and other Government of India Department.*

(a) *Plot Nos. 113 and 114, Scheme No. 6 Sion Matunga Estate (East).*—Negotiations were still in progress with the Defence Department regarding the lease of plots.

(b) *Plot No. 108, 108A, Scheme 6 Sion Matunga Estate (East).*—The Defence Department agreed to take on lease these plots and the same was under preparation.

(c) *38 plots in Scheme 57 Sewri Wadala Estate, Plot Nos. 223 to 231, 238 to 246, 264 to 269, 275 to 284 and 296 to 299.*—As a result of the Award of the Collector of Bombay in favour of the Municipality as the sole and only interested party, matter regarding reconveyance of the plots was under consideration and the advice of the Municipal Solicitors Messrs. Crawford Bailey & Co. was awaited.

(d) *Acquisition of Service Passage behind Plot Nos. 103, 140, Scheme II, Agripada West Estate.*—Possession of the Passage land admeasuring 160 square yards was handed over to the Bombay Telephone undertaking on payment of award money of Rs. 3,036.

2. *Acquisition of Plot No. 11-B, Scheme No. 21, Woodehouse Road Estate by Government of Bombay for housing the member of Legislature, Government Servants etc.*—The Award was declared in this case and the Municipality was awarded Rs. 3,10,325 which was accepted under protest. Municipality applied under section 18 of the L. A. Act for a reference to the High Court.

3. *Plot Nos. 8-9 and 10, Scheme 29, Nowroji Hill Estate.*—The State Transport Authorities came to a settlement with the Lessees and acquired only about 1226.73 square yards of land near the Northern side and agreed to denotify the remaining land. The case was still in progress.

4. *C. S. No. 6 of Sion Division.*—A piece of about 8,886 square yards of land was being acquired for the construction of the Express Highway. The case was still in progress before the Special Land Acquisition Officer.

5. *Acquisition of Municipal Land by Government of Bombay for Police Accommodation, Scheme 57, Sewri Wadala Estate (North), Plot Nos. 66 to 70, (Cases Nos. L. A. Q. 95/1 to 95/5).*—The settlement of the amount to be refunded for the area to be resumed from Government for widening of the Road No. 15 was still not decided.



and sanction was being obtained to refund the amount at *pro-rata* cost of acquisition by Government. The matter was in progress.

6. *Acquisition of land at Mahul for the Oil Refineries.*—Survey No. 104, Hissa No. (7) of Mahul belonging to the Municipality was acquired for the Burmah Shell Refineries in exchange for which about 22 gunthas of land in Survey No. 90 was acquired by the Burmah Shell Refineries and handed over with a new school building to the Municipality. Survey No. 120 of Anik, Survey No. 148-B of Mahul and Survey No. 104 (7) of Mahul, all Municipal lands were proposed to be exchanged with the Survey No. 90 (part) acquired for the new school building the areas being almost equal. The cases were in progress before the Additional Special Land Acquisition Officer.

7. *Plot Nos. 96, 117 and 118 (part) in Nowroji Hill Estate, Scheme 29.*—These plots were requisitioned by the Government for State Transport Corporation but Plot No. 118 (part) was derequisitioned and the matter regarding the other plots was in progress.

### E—HOUSING SQUATTERS REMOVED FROM THE CITY

51 acres of land in Manbudruk village was first requisitioned in 1951 for housing the squatters shifted from the City. An additional land admeasuring 7 acres was requisitioned during the year 1952-53. These lands were then notified for acquisition. Additional Special Land Acquisition Officer awarded Rs. 1,67,230 for the land admeasuring 46 acres, 2 gunthas and 12 annas and the remaining land admeasuring 15 gunthas and 4 annas which is not found suitable was denotified.

Another colony at Jogeshwari was opened by taking over about 37½ acres of land from Shri Jeejibhoy Byramji. Additional 15.25 acres of land belonging to Smt. Gomes were requisitioned. These areas comprised parts of Mogra and Majas Villages. Award was declared and possession was taken over on payment of Rs. 1,18,922.

The Government of Bombay paid to the Corporation a non-recurring grant of Rs. 5 lakhs towards the expenditure incurred by the Corporation on the acquisition of lands and construction of colonies for housing squatters at Mankhurd and Jogeshwari.

### F—ACQUISITION FOR B. E. S. & T. UNDERTAKING

(1) *Acquisition of plot No. 7, Scheme 57, Sewri Wadala (south) Estate.*—(1) The land was notified for acquisition for the B. E. S. & T. Undertaking Department under urgency clause and possession was handed over to the special Land Acquisition Officer and the case was in progress.

(2) *Acquisition of lands at Kurla plot No. A for a Bus Depot.*—Land admeasuring 15851 square yards was notified for acquisition under the urgency clause. The case was in progress before the Additional Special Land Acquisition Officer.

## II—PROGRESS OF DEVELOPMENT SCHEMES

### Existing Schemes

#### Scheme 56, Dharavi Estate.

An alternative scheme of change in the layout proposing industrial zones was under consideration of the City Engineer and when this would be finalised, approval of the Corporation for the same and also for the disposal of the plots would be solicited.

#### Scheme 52, Worli Estate

The layout for the area comprising the Neighbourhood Unit was once again proposed to be revised by Government, *inter alia*, suggesting to build structures in the North-West corner and Southern portion of the central garden strip which was originally proposed to be maintained as a garden. Under the terms of letting, Government have to pay premium for the areas, including this, to be thrown in the gardens and play-grounds accessible to the general public and roads. The joint survey of the area was completed and on confirmation of the same by the Housing Commissioner, the question of payment of premium by the Government for the additional built up area would be considered and sanction of the Corporation to the revised layout would be obtained.

Regarding the area between Dr. Annie Besant Road and Worli Hill, agreed to be leased to the Housing Commissioner, a structure on 14,000 square yards of land leased to the Silk and Art Silk Mills Research Association was constructed.

The acquired buildings sold to the Housing Commissioner were demolished and further development of the area by constructing quarters for industrial workers was nearing completion. Joint survey of the built-up area was already carried out and on confirmation of the same, sanction of the Corporation to the revised layout would be obtained.

## III—SPECIAL ROADS SCHEMES

(1) *Development of Gollanji Hill Estate.*—Layout for the development of the scheme was still under consideration.

(2) *Construction of a road on Tulsi Pipe Line land between Haines Road and Mahim Creek.*—On account of the application of the Town Planning Scheme the work of construction of the Road from Elphinstone Road to Mahim was held in abeyance. It is likely that this section of the proposed road on the Tulsi Pipe Line land will be taken in hand after all the schemes of Mahim Town Planning become effective. As regards the rest of the portion, it is intended to deal with the Section between Haines Road and Ferguson Road in the first instance as there is a general cry from the public and also the property owners abutting on Tulsi Pipe Line in the Section.

#### IV—CHANGES IN LAYOUTS

*Revised layout of Haji Ali Park, Hornby Vellard.*—Government sanction to the revised layout for the Haji Ali Park Area (1) reserving 9 plots admeasuring all 13,191 square yards for building sites having access from Clerk Road, (2) an 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 received.

There were no changes in layouts in *Ex-Trust Estates* except in Schedule 'W' land. A regular re-development and layout of the area on which the present Mahalaxmi Semi Permanent Sheds are standing was approved by the Corporation under their Resolution No. 197 of 10th May 1954.

#### V—REVIEW OF THE EX-TRUST AND MUNICIPAL ESTATES

##### A—Ex-Trust Section

There were no changes in X.Y & Z lands. The changes effected in the other *Ex-Trust Estates* are shown in Appendix No. 1.

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 1955 about 37.3 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 1,64,680 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 1286 square yards at the junction of Haines Road and Dr. Annie Besant Road was leased on rental basis at an annual rent of Rs. 6,109. The capital value thereof worked out to Rs. 1,22,170 at Rs. 95 per square yard.

The statement below indicates the progress of the disposal of Municipal land during the previous three years. The total area available for disposal as on 1st April 1955 was about 10,348 square yards valued at Rs. 1,55,220 on the basis of Rs. 15 per square yard.

#### DISPOSAL OF MUNICIPAL LAND

Year.	No. of plots	Area in Sq. yds.	Capital Value Rs.
1951-52	2	1,387	34,073
1952-53	3	1,132	1,49,790
1953-54	1	39	1,170

#### VI—SLUM CLEARANCE.

1. *Scheme for the extension of Kelewadi Lane.*—The acquisition of C. S. No. 34 was still in progress before S. L. A. O. Possession of passage admeasuring 144 square yards was taken from the Government at a nominal compensation of Re. 1.

2. *Scheme 76, Lohar Chawl Gully, Improvement Scheme, Cases Nos. L. A. Q. 113/1 to 113/36, C. S. Nos. 927, 928, 930, 931, 932 (part), 933, 940, 941, 942, 1126, 1127, 1117, 1124, 1129, 1130, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1146, 1147, 1149, 1150, 1123 (part), 929 (part), 943 (part), 937, 1135 (part), 1125 (part), 1128 (part), 1144 (part) 1548 (part) 1156 (part) of Mahim Division.*—The vacant possession of the properties could not be obtained during the year. The tenants promised to vacate by the end of September 1955. The awards in other cases were still awaited.

#### VII—DISHOUSING AND RE-HOUSING

It will be seen from the Appendix No. 13 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 rooms and 2 rooms tenements and cottages at Matunga	...	...	...	...	10,286
(b) Tenements constructed under Municipal Housing Scheme	...	...	...	...	325
(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 <i>Ex-Trust Estates</i> and in the various Police Accommodation Schemes...	...	...	...	...	18,870
(d) Tenements constructed by the Housing Board in <i>Ex-Trust</i> land...	...	...	...	...	1,216
(e) Tenements provided in Semi-permanent sheds erected by the <i>ex-Trust</i>	...	...	...	...	4,033
(f) Tenements provided in the lessees buildings	...	...	...	...	39,408
				Total	74,138
Less—Tenements demolished	...	...	...	...	38,661
				Excess of new tenements over demolished ones	35,477

## VIII—NEW HOUSING SCHEMES

(1) The Corporation under their Resolution No. 442, dated the 21st August 1950 sanctioned the construction of 1,106 tenements. Out of these 660 tenements were already constructed at Sewri, Haines Road, Fergusson Road, Sion, Azad Nagar, Wadala and Naigaum. 194 tenements in two storeyed buildings at Sewri and 60 tenements of ground floor structure at Arthur Road were constructed. Out of the later, 30 tenements were reserved for explosion victims as the cost thereof was borne by Citizens' Emergency Relief Committee.

(2) New residential accommodation made available in the houses erected by lessees during the year comprised 497 tenements.

(3) The management of 660 Semi-permanent rooms constructed by the Citizen's Emergency Relief Committee on the municipal and Ex-Trust land for the housing of explosion victims including 30 tenements newly constructed at Arthur Road continued to be vested in the Municipality.

(4) *Housing of Squatters.*—The number of Squatter families residing at Mankhurd and Jogeshwari Colonies was 2800 and 992. The recoveries at the both the colonies continued to be far from satisfactory owing to acute unemployment among the squatters.

A suction pump with a tank was provided at the entrance of the Jogeshwari colony so as to improve the water supply thereat. The Government grain shop in the administrative Block was vacated and the accommodation was utilised for the municipal school. Municipal dispensary was constructed on the outskirts of the colony and is functioning. A Welfare centre is being conducted in the concrete experimental block constructed during the previous year. A proposal for construction of permanent tenements was also under consideration.

The recoveries of rent at both the colonies at Mankhurd and Jogeshwari were Rs. 13,382 and Rs. 8,151 against the demand including arrears of Rs. 2,38,256 and Rs. 65,309 respectively.

In order to provide shelter to the City's pavement dwellers, a dormitory was proposed to be constructed at a cost of about Rs. 4,03,023 on plots No. 9 and 10, Scheme No. 73, Palton Road Estate at Saboo Sidick Road near Carnac Bridge. Its foundation stone was laid by Shri Morarji Desai the Chief Minister of Bombay, on 30th March 1955. This dormitory would give shelter to more than 300 persons at a time.

## IX—DISPOSAL OF LANDS

## (1) LONG LEASES

The number of plots let during the year was 10. The total area of the land thus disposed of admeasures 8879 square yards (about 1.8 acres) valued at Rs. 4,51,385. The total number of plots disposed of upto the end of 1954-55 after taking into account 3 plots surrendered during the year, was 4233 with an area of 59,67,899 square yards (about 1233 acres) and valued at Rs. 12,33,04,538 yielding an annual rent of Rs. 42,32,931. In respect of plots for which premium or commutation amounts had not been received, the rate at which ground rent was commuted was 22½ year's 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 (in 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 expires, 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 is shown in Appendix No. 2.

The details of leases in each Estate are shown in Appendix No. 3.

The area of the land disposed of during the year under report shows a decrease over the figures for the last year.

The amount received by way of commutation of ground rent and premium etc. during the year was Rs. 14,28,870.

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 Appendix No. 10.

A comparative statement showing the number of permanent tenancies with demand and collection as on 31st March of the past four years is given in Appendix No. 4.

The percentage of 18.65 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 assees 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.	a.	p.
(1) Arrears in respect of properties re-entered for which legal action is taken ...	99,896	0	0
(2) Ground rents withheld by lessees to the extent of their security deposits ...	1,22,758	0	0
(3) Ground rents in respect of plots occupied by military ...	1,11,717	0	0
(4) Ground rent in respect of properties vested in the Deputy Custodian of Evacuee properties ...	36,598	0	0
(5) Ground rent in respect of plots against which disputes have been raised and their cases are under consideration ...	26,658	0	0
Total ...	3,97,627	0	0

If these items are excluded, the arrears amount to Rs. 3.95 lacs which is equal to 11.4 percent. of the amount collected.

## SHORT LEASES

No temporary leases were granted during the year under report.

The number of vacant land tenancies on both *Ex-trust* and Municipal estates was 3,309 at the close of the year. The demand for vacant land tenancies in *ex-trust* estate for the year under report was Rs. 8,17,373 and the recovery was Rs. 10,28,035 inclusive of arrears.

The arrears of ground rent due from Municipal Group of Hospitals, Sion was adjusted during the year and the Capital Value of the land reserved as Hospital aies was adjusted.

The Collector of Bombay requisitioned large areas of land vacated by the Defence Department in Scheme 6, Sion 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. 5,32,349 for the period ending 31st March 1955 at the same rate at which the Defence Department was paying. As the rates of compensation were still upper consideration of the Collector of Bombay, no payment was received except for occupations in Scheme 6 for which rates were settled. Government have directed the Collector of Bombay to expedite the settlement.

The Punjab Frontier Co-operative Housing Society, Ltd. to whom land admeasuring 87,000 square yards in Scheme No. 6, Sion, was given on a temporary lease for 10 years ending 20th January 1958 went into liquidation in 1951 and the Liquidator was unable to pay ground rent and taxes due to the Municipality as he had no assets. The Liquidator and representatives of the refugees residents agreed to raise Rs. 65,000 and pay to the Municipality in full settlement of ground rent and municipal taxes aggregation to Rs. 1,60,635-8-0 upto 31st May 1954 which was approved by the Corporation.

Out of the area, land admeasuring 60,515 square yards has been agreed to be leased to the Government of Bombay on payment of nominal rent of Re. 1 per annum and premium at Rs. 5 per square yard for the construction of 900 tenements in storied buildings of ground and three upper floors to house the displaced person. Government will also pay Rs. 5 lacs to the Corporation for the development of the area. The proposal was approved by the Corporation under their Resolution No. 1428, dated the 14th February 1955. Balance of arrears amounting to Rs. 95,635-8-0 was sanctioned to be written off under S. C. R. No. 2699, dated the 2nd March 1955.

## X—MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE

### A.—Trust Section

(a) *Chawls permanent*.—The gross demand of 10 376 rooms including shops godowns rooms etc. on the *Ex-Trust* chawls for the year was Rs. 11,30,423 as on 31st March 1955 against Rs. 11,05,275 at the end of the previous year.

The net demand for the year for all the chawls was Rs. 11,00,646 after excluding the amount of Rs. 986 for vacancies and Rs. 28,791 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 198 sweepers of this department. The revenue actually collected came to Rs. 10,49,938 which was equivalent to 81.24 per cent. of the total outstanding including the previous arrears of Rs. 1,91,730. 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. Rent charged for 194 tenements at sewri is Rs.25 per mensem.

The collection on account of rents from these chawls during the year amounted to Rs. 10,49,938 Deducting herefrom the charge on account of outgoings amounting to Rs. 8,41,707 the net income comes to Rs. 2,08,231 The Capital expenditure incurred on the Chawls including the value of the land is Rs.155.9 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. 9.15 lacs per annum (*vide* Appendix 12). After deducting the amount of net income from the amount of interest and skinking fund charges, the accounts for the chawls show a loss of about Rs. 6,96,182.

At the present rents, huge losses are being incurred by the Municipality on these chawls. This loss has particularly 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 heavy pressure on service mains and causing frequent breakdowns, which need to be attended to from time to time.

The proposal 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 submitted to the Corporation, was still under their consideration.

In order to look after the work of the sanitation of the Chawls 164 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 on clean, and healthy living as was done in the previous years.

Scheme of awarding prizes for the maintenance of best sanitation in chawls sanctioned by the Corporation under their resolution No. 533, dated the 9th August 1951 was continued during the year.

Bye-laws for maintaining sanitation etc. at municipal chawls and buildings were enforced and fines aggregating to Rs. 310-14-0 were imposed and collected from the tenants for breaches of these rules. First Aid Sets and sick Room Requisites were maintained at 8 chawls centres and Matunga Labour Camp, Dharavi and Mankhurd Colony.

Six radio sets for Bombay Station with 15 watts amplifiers with loud speaker arrangements were continued at (1) Agripada, (2) Mazgaon, (3) Chandanwadi, (4) Love Lane, (5) Imamwada and (6) Bellasis Road chawls during the year.

Electric installations with separate meters in each tenement were provided in four more chawls at Mazgaon during the year. Rupee one per meter per month was being charged to make up the cost of installation of meters and maintenance of electric fixtures, the monthly consumption charges being paid by the tenants to the B.E. S. & T. Undertaking.

(b) *Semi Permanent Sheds.*—The gross demand in respect of 4057 rooms in the semi-permanent sheds including the permanent ground floor rooms and shed known as Labour Camps for the year, was Rs. 4,36,133. The net demand after excluding the amount of Rs. 1,184 for vacancies and Rs. 8,025 for concessional rent which was set off against the house rent allowance was Rs. 4,26,924. The revenue actually collected came to Rs. 4,35,366 which was equivalent to per 84.71 cent. of the total recoverable rent including arrears of Rs. 87,007 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. The tenants disputed these rents as the same were considered by them on higher side and some of the suits filed against them were already decided ordering the tenants to pay the arrears which they have been allowed to do in instalments.

*General remarks on chawls and semi-permanent sheds.*—The average population in these chawls during the year 1954-55 was 62,042 as against 62,008 in 1953-54 and 61,217 in 1952-53 respectively, while the corresponding figures for semi-permanent sheds including Labour Camp were 29,900, 29,088 and 26,629 respectively. The death rate in the Ex-Trust chawls during the year was 2.5 per 1,000 against 3.6 and 4.5 in the previous two years. 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. Pursuant to Standing Committee Resolution No. 80, dated the 15th April 1946, 198 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. 11,00,646 for chawls and Rs. 4,26,924 for Semi-permanent sheds, the total outgoings came to 80.42 percent. and 81.11 percent. respectively.

Statement showing percentage of outgoings in different items is given in Appendix No. 5.

(c) *Acquired Premises.*—At the commencement of the year, there were 571 acquired or surrendered buildings in charge of this department containing 5,023 tenancies. At the close of the year there were 5,064 tenements in 568 buildings, the difference being due to demolition of 10 structures and acquisition of seven structures during the year.

The gross demand of 5,064 tenements in the acquired and re-entered buildings was Rs. 8,82,880. After excluding the amount of Rs. 21,508 for vacancies and Rs. 3,228 for concessions in rent the net demand for the year was Rs. 8,58,144. The revenue actually collected amounted to Rs. 8,76,799 which was equal to 89.16 percent. of the total recoverable amount including arrears of Rs. 1,25,279 for the previous years.

*Rawli Hill Camp.*—The gross demand of 913 hutments at Sion Koliwada, Rawli Camp was Rs. 69,747 and after excluding the amount of Rs. 164 for vacancies and Rs. 27 for concession in rent the net demand was Rs. 69,556. The recovery inclusive of arrears effected amounted to Rs. 75,181.

*Summary of revenue.*—Details of the total collections of revenue from permanent leases, short leases and monthly tenancies can be seen from Appendix No. 6.

*Requisitioned Buildings.*—The management and collection of rents in respect of 19 properties having 609 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. 86,699 and the recovery was Rs. 88,159 which was equal to 77.78 percent. of the total recoverable amount including arrears of Rs. 26,447.

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 as the municipal tenants did not shift to the alternate accommodation offered to them.

As regards other requisitioned buildings efforts were being made to hand over the possession to the owners by providing alternative accommodation to the occupants. 31 Rooms in Shivaji Sojapal Building Anand Bhuvan and Biradhar Manzil Cacuttvala Buildings were released to owners during the year.

*Tenements constructed for explosion victims.*—630 tenements constructed at Arthur Road, Fergusson Road and at Wadala Road for explosion victims were being continued to be managed by this department. 30 more rooms at Arthur Road were nearing completion. The rents collected were being credited to a separate head of account and expenditure incurred for the collection and maintenance including the payment of assessment etc. was being met from the same account. The demand in respect of these properties for the year was Rs. 75,821. A sum of Rs. 76,159 was recovered out of the total dues including the arrears and current demand aggregating to Rs. 81,914

During the year under review, the demand and recovery of taxes aggregated to Rs. 3,17,839 and Rs. 3,22,210 respectively. The arrears due for collection at the close of the year stood at Rs. 5,11,329.

## 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. 4,644. The previous year's recovery was Rs. 6,131.

(2) *Palton Road Estate.* The total rent recovered from the estate during the year amounted to Rs. 8,154 as against the amount of Rs. 8,457 recovered during the previous year.

(3) *Revenue from Cultivation Rights.* The fees collected for the right of cultivation, gathering fruits etc. amounted to Rs. 1,254.

Statement of Collection of Revenue from the old Municipal Properties (Excluding Cultivation) is given in Appendix No. 7.

## XI.—LEGAL.

During the year 1,922 ejectment suits were filed against the tenants for subletting the rooms as also for arrears of rent, taxes, etc. The corresponding figures for such suits during the previous five years from 1949-50 were 519, 845, 965, 1,300, 1,516 respectively :—

4 Claim suits were filed during the year under report.

An expenditure of Rs. 21,604-2-0 was incurred during the year for filing the suits. A sum of Rs. 17,656-3-6 was recovered towards Court cost. Some of the suits were still proceeding in the court.

## High Court Suits.

(1) *Suit No. 2784 of 1948 re : recovery of possession of Horse Stables at Bapty Road.*—Decree obtained in this suit was still kept abeyance and not executed as the land was not immediately required for the extension of the Municipal Workshop.

(2) *Suit No. 1208 of 1952 in respect of 3 plots Nos. 13 to 15, Scheme 37, Sydenham Road Estate.*—This was filed for obtaining vacant possession and recovery of arrears of rent and taxes and the same was allowed to be dismissed. Separate Summary Suit No. 90 of 1955 was filed and the same is pending.

(C) *Summary Suit No. 91 of 1955 regarding land admeasuring 580 square yards in Plot No. 9 at Palton Road.*—This was filed for obtaining possession. and also for recovery of arrears of rent, taxes and mesne profits and the same is pending.

## City Civil Courts 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 Nos. 794, 795 and 800 of 1950 regarding Plot No. 1-A, 1-C and 1-B, Scheme 31, Naigaum Estate.*—As the defendants failed to give vacant possession of plots, steps in execution of the decrees were in progress. heirs and legal representatives were brought on record and steps in execution were in progress.

(3) *Suit No. 1358 of 1950 in respect of Plot No. 2 (East) Sion Matunga Estate.*—This was a suit filed for recovery of possession of the plot free of structures and compensation due in respect thereof. Steps were taken to keep the decree in force passed by the Court as the land was not immediately required.

(4) *Suit No. 827 of 1951 regarding a piece of land on Annie Besant Road of the Hornby Vellard Scheme.*—The tenant had no assets to pay the municipal dues and hence the amount is being written off with the sanction of the Standing Committee.

(5) *Suit No. 1421 of 1951 regarding piece of land in Scheme 57, Sewri Wadala.*—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 and in the case of others, vacant possession was taken through Sheriffs bailiff. Further steps for recovery of arrears were being taken against 1st defendant who owns certain property in Travancor Estate.

(6) *Suit No. 2155 of 1951 regarding plot at Dharavi, Case No. 191, 191A, 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 taken. The defendant gave an undertaking to vacate and deliver vacant possession before the end of February 1954. As he failed to do so further steps were being taken.

(7) *Suit No. 2186 of 1951 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 of the premises. Part possession of the premises were obtained and further proceedings were in progress for the recovery of full possession.

(8) *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 was obtained through Sheriffs' bailiff and steps for the recovery of decretal amount were being taken.

(9) *Suit No. 315 of 1952 regarding two plots of land at Nariel 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 still in progress.

(10) *Suit No. 568 of 1952 in respect of a piece of land in plot No. 205 Scheme 57 (North).—Sewri-Wadala Estate.*—This is a suit for recovery of possession, arrears of rent and taxes. Negotiations for settlement were in progress.

(11) *Suit No. 569 of 1952 regarding piece of land with stable thereon in Case No. MJ773 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. The Court cost awarded was paid by the defendant.

(12) *Suit No. 593 of 1952 in respect of plot of land situate in plot Nos. 171 and 172 in Scheme 60, Naigaum Estate.*—Possession of the part of premises was taken over. Further Proceeding to recover rent and possession of the remaining area were being taken. The defendant was making part payment towards arrears.

(13) *Suit No. 884 of 1952 regarding piece of land in plot No. 205 Sch. 57 Sewri Wadala North Estate* This was filed for obtaining possession and recovery of arrears of rent & Tax. The Suit was pending as negotiations for settlement were in progress.

(14) *Suit No. 1232 of 1952 regarding portion of land admeasuring 250 square yards in Case No. 1145, Scheme No. 6, Sion Matunga Estate.*—This was filed for obtaining possession and recovery of arrears and mesne profits. As the defendant died during the pendency of the suit, his heirs and legal representatives were brought on record and further proceedings were being taken.

(15) *Suit No. 1476 of 1952 regarding a piece of land on plot A on King Edward Road.*—The defendant handed over the vacant possession of the land according to the Consent decree passed by the Court. Major portion of decretal amount was adjusted out of deposits paid by the party. Further action for recovery of balance was being taken.

(16) *Suit No. 1623 of 1952 regarding portion of land admeasuring 135 square yards in Scheme 52, Worli Estate.*—This suit was filed for the recovery of arrears of rent and taxes and mesne profits. The defendant made an application to the Court under Displaced Persons Act. The Court ordered staying the Suit pending the final disposal of the said application and the same was still pending.

(17) *Suit No. 1740 of 1952 regarding a portion of land on plot No. 228, Scheme 60, Naigaum Estate.*—This suit was filed for recovery of arrears of rent and taxes and mesne profits and obtaining possession. Consent decree to pay the decretal amount before 5th January 1956 has been obtained. If he fails to pay by that date, he has to hand over the land with structure thereon.

(18) *Suit No. 1768 of 1952 regarding portions of land admeasuring 250 and 200 square yards respectively at Bdy Guard lines, Mahalaxmi Flats.*—This was filed for obtaining possession, recovery of arrears of rent and taxes and mesne profit. Consent decree was passed ordering the defendant to vacate the portions of land required by the Corporation on or before 15th August 1955 and to pay the decretal amount by instalments.

(19) *Suit No. 2061 of 1952 regarding a portion of land admeasuring 355 square yards on Plot No. 4-A Scheme No. 60, Naigaum Estate.*—This was filed for obtaining possession, recovery of arrears of rent and taxes and mesne profits. The defendants were ordered to vacate premises on or before 30th September 1953 and also to pay the decretal amount. As they failed, further executive proceedings were being taken.

(20) *Suit No. 2158 of 1952 regarding portion of land admeasuring 334 sq. yds. in Case Nos. 1949 and 1950, Scheme 57, Wadala Village.*—The suit was filed for obtaining possession and recovery of arrears of rent and mesne profits. Consent decree was passed ordering the defendant to vacate on or before 31st December 1954 and to pay the decretal amount. As he failed to give vacant possession, execution proceedings were being taken.

(21) *Suit No. 2168 of 1952 regarding property known as Military Structures at Worli Hill, Scheme 58.*—This was filed for obtaining possession and recovery of arrears of rent and taxes and mesne profits. Consent decree was passed by the Court whereby the defendant was allowed to continue as monthly tenant of the Plaintiff and was ordered to pay the decretal amount and the same are being recovered by instalments.

(22) *Suit No. 2421 of 1952 regarding portion of land admeasuring 1,124 sq. yds. in Plot Nos. 239, 240 Scheme 60, Naigaum Estate.*—This was filed for obtaining possession and recovery of arrears of rent and taxes and mesne profits. Consent decree was passed whereby the defendant was ordered to vacate the premises and pay the decretal amount on or before 30th September 1955.

(23) *Suit No. 2433 of 1952 regarding two portions of land admeasuring 310 and 220 sq. yds. on plot No. 5, Scheme 6, Sion Matunga Estate.*—This was filed for obtaining possession and recovery of rents and taxes and mesne profits. Consent decree was passed whereby the defendant was ordered to vacate the premises on or before 31st July 1956 and to pay the decretal amount.

(24) *Suit No. 2719 of 1952 regarding piece of land admeasuring 220 sq. yds. under Arch. No. 24, Mahalaxmi Over-Bridge.*—This was filed for obtaining possession and recovery of arrears of rent and taxes. The defendants were ordered to vacate on or before 31st March 1953 and to pay the decretal amount. As they failed to vacate as well as to pay the decretal amount, steps in execution of the Decree were being taken.

(25) *Suit No. 2720 of 1952 regarding property consisting of 3 floors at ChunamKiln Lane in Case No. 90, Scheme 37.*—This was filed for obtaining possession and recovery of rent and taxes and mesne profits. The suit was pending.

(26) *Suit No. 3369 of 1952 regarding two portions of land on Plot No. 233, Scheme 60, Naigaum Estate.*—This was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. The Court ordered the defendant to vacate the premises on or before 31st October 1953 and to pay the decretal amount. Steps in execution were being taken.

(27) *Suit No. 1320 of 1953 in respect of two pieces of land admeasuring about 2,500 sq. yds., and 200 sq. yds. respectively of Golanji Hill Estate.*—This was a suit for recovery of possession and arrears of mesne profits. Decree was passed on 10th March 1954 in pursuance of which the defendant was ordered to give vacant possession.

sion of the said two pieces of land to the Plaintiffs on or before the 10th April 1954 and also to pay the decretal amount. As he failed to do so, execution proceedings were being taken.

(28) *Suit No. 1810 of 1953, regarding 10 sq. yds. and 114 sq. yds. in plot No. 29, Scheme 37, Sydenham Road Estate.*—This was filed for obtaining possession and recovery of arrears of rent and mesne profits. Decree was passed ordering the defendant to vacate on or before 2nd day of March 1954 and to pay the municipal claim.

(29) *Suit No. 1981 of 1953 regarding a portion of land admeasuring 84 sq. yds. in Site No. 3, Row No. 8-B, Sion Play Ground, Scheme 6.*—This was filed for obtaining possession, recovery of arrears of rent and taxes and mesne profits. Decree to vacate on or before 7th October 1954 was passed and the defendant was also ordered to pay the decretal amount. Decretal amount was being recovered by instalments.

(30) *Suit No. 2018 of 1953 regarding 700 sq yds. in case No. 253, Scheme 56, Dharavi.*—This was filed for obtaining possession, recovery of arrears of rent, taxes and mesne profits. Decree was passed and as a result, negotiations started thereafter, the defendant put the Corporation in possession of the property for recovery of arrears from the occupants.

(31) *Suit No. 2436 of 1953, regarding piece of land admeasuring 1,200 sq. yds. in Case No. 775, Scheme 57, Sewri Cross Road.*—This was filed for obtaining possession and also recovery of arrears of rent, municipal taxes, U. I. P. Taxes and mesne profits. Decree was passed whereby it was agreed that the same should not be executed till 31st March 1955.

(32) *Suit No. 239 of 1954 regarding piece of land admeasuring 288 sq. yds. in plot T, Scheme 37, Sydenham Road Estate.*—This was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. Decree was passed but as the defendant died, steps to bring the heirs on record were being taken.

(33) *Suit No. 359 of 1954 regarding piece of land admeasuring 972 sq. yds., in Case No. 203, Scheme 56, Dharavi.*—This was filed for recovery of arrears of rent, taxes and mesne profits. Decree ordering the defendant to pay the decretal amount was passed.

(34) *Suits Nos. 468, 495, 767, 768, 2328, 2378, 2481 of 1954 and 316, 582, 834, 848, 922, 954, 955 of 1955, regarding plots admeasuring (1) 676 sq. yds. on plot 48-K, Scheme 31, (2) 20 sq. yds. and 4 sq. yds. for set back in front of premises No. 192, Shaikh Memon Street, (3) 361 sq. yds., plot No. 4, Scheme 60, (4) 100 sq. yds., plot 52, East Aeripada North Estate, (5) 2,810 sq. yds. in Scheme 52 (6) 22 sq. yds. in Plot No. N, Case No. 285, Scheme 37, (7) 644 sq. yds. in Case No. 9-F, Scheme 60, (8) 177 sq. yds. and 62 sq. yds. on plot No. 172 part, Scheme 60, (9) 160 and 70 sq. yds. in Scheme 60, (10) 206.11 sq. yds. in case No. 885, Scheme 57, (11) 90 sq. yds. in Case No. 837, Scheme 57, (12) 50 sq. yds. on Site No. 32, on Drainage filled in Channel land, Ferguson Road, (13) 50 sq. yds. on Site No. 5, on Drainage filled on Channel land, Ferguson Road (14) 255.5 sq. yds. of C. S. No. 1/1505 of Mahim Division.*—These suits were filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits and the same were pending.

(35) *Suit No. 490 of 1954 regarding piece of land admeasuring 1385 sq. yds. at Arthur Road opposite Shanti Nagar.*—The suit was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. Consent decree ordering the defendant to pay the decretal amount on or before 5th April 1956 was passed.

(36) *Suit No. 2041 of 1954 regarding piece of land admeasuring 57 sq. yds., in Case No. 960-A, Scheme 57.*—This was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. Consent decree was passed ordering the defendant to vacate on or before 8th June 1956 and to pay the decretal amount.

(37) *Suit No. 2042 of 1954 regarding Chauls Nos. 8 and 9, Mazagaon.*—This suit was filed for obtaining possession and recovery of arrears of rent and mesne profits. Decree on Admission was passed and it was agreed that the same should not be executed till 31st March 1955.

(38) *Suit No. 2061 of 1954 regarding piece of land admeasuring 183 sq. yds. in Case No. 84, Scheme 60.*—This was filed for obtaining possession and recovery of rent, taxes and mesne profits. As substantial payments were being made every month towards the claim of the Corporation the suit was kept pending.

(39) *Suit No. 2062 of 1954 regarding piece of land admeasuring 125 sq. yds. in Case No. 908, Scheme 57.*—This suit was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. Consent decree was passed ordering the defendant to vacate on or before 30th June 1956.

(40) *Suit No. 2063 of 1954 regarding piece of land admeasuring 444.4 sq. yds. in C. S. No. 1/1505 of Mahim Division.*—This was filed for obtaining possession and recovery of arrears of rent, taxes, and mesne profits. Decree was passed ordering the defendant to vacate on or before 8th June 1955 and to pay the decretal amount.

(41) *Suit No. 2326 of 1954 regarding a piece of land admeasuring 1,496 sq. yds. on Plot No. 53 of Mahim Estate.*—This was filed for obtaining vacant possession and recovery of arrears of mesne profits. Consent decree was passed ordering the defendant to pay up the decretal amount on or before 31st January 1957.

(42) *Suit No. 2796 of 1954 regarding a piece of land admeasuring 70 sq. yds., Scheme 32.*—This was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. As the defendant paid the entire municipal claim in the Suit, the same was allowed to be dismissed.

(43) *Suit No. 580 of 1955 regarding piece of land in Garden area admeasuring 270 sq. yds. in Scheme 57.*—This was filed for obtaining possession and recovery of arrears of taxes and mesne profits. Consent decree was passed ordering the defendant to vacate on or before 30th April 1956 and to pay the decretal amount.

(44) *Suit No. 956 of 1955 regarding piece of land admeasuring 83 sq. yds. of Row No. 7-B, Site No. 4, Sion Play round.*—This was filed for obtaining possession and recovery of arrears of rent, taxes and mesne profits. As the defendant paid the entire municipal claim, the suit would be allowed to be dismissed.



## GENERAL.

(1) *Construction of additional floors on buildings on lease-hold plots and motor garages, retention of temporary structures, etc., in the compulsory open spaces of leasehold plots.*—During the year under review, permissions were granted as detailed in the Appendix No. 9 for the different purposes stated therein :—

(2) *Extension of building period for plots leased on ground rent basis.*—The Corporation under their Resolution No. 205, dated the 18th June 1953 approved the grant of extension of building period for one year upto 31st March 1954. Thereafter action has been started against the Building tenants who have failed to start construction work on their plots to get the plots surrendered.

(3) *Retention of temporary structures on ex-Trust plots.*—Difficulties are still being experienced by the building tenants for the removal of the temporary structures which are occupied by tenants whom they are unable to evict under the Rent Restriction Act. Applications for retention for further period are being considered in each case on its own merit.

(4) *Checking encroachments etc., on compulsory open spaces.*—In about 240 cases, the lessees of plots in ex-Trust Estates were found to have made encroachments on compulsory open spaces and had allowed charge of user in their properties. In all such cases, actions 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.

(5) *Plots unbuilt upon.*—At the end of the year, about 409 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 459 plots amounting to 7,37,533 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 for drainage arrangements. The annual ground rent of them would amount to Rs. 10,37,273.

(6) In order to facilitate construction of additional floors for relieving the housing shortage, a revised scale of extra premium at lower rates of Rs. 1-8-0 and Rs. 3 instead of Rs. 2 and Rs. 4 per sq. ft. has been sanctioned by the Corporation under their resolution No. 1068, dated the 21st December 1954 in respect of those lessees who will complete construction of additional floors before 31st March 1960.

(7) By their Resolution No. 1830, dated the 17th March 1955, the Corporation have empowered Municipal Commissioner to sanction such additional floors as strictly comply with the terms and conditions laid down in Corporation Resolution No. 533, dated the 4th September 1952. A quarterly report has to be made to the Improvements Committee.

(8) Upto now, extra ground rents for the retention of lofts were being recovered. As the lessees complained that they found it difficult and troublesome to recover the additional rents from the shop-keepers, the Corporation have sanctioned a scale of extra premium for the retention of lofts instead of extra ground rent under their Resolution No. 1771 of 11th March 1955.

(9) Conditions Nos. 2, 7 and 10 under which monsoon shelters are permitted in the compulsory open space of ex-Trust plots were revised by the Corporation by their resolution No. 464, dated the 19th August 1954.

(10) *Reorganisation.*—Further implementation of the recommendations made by Messrs. Ilcons Ltd. on the reorganisation of this Department in their Reports Nos. 21 and 22 was continued during the year.

Progress of implementation is indicated in the Management control indices furnished in Appendix No. 9. Further progress was awaited.

Both the outdoor and indoor staff worked efficiently and well.

V. L. GHANGURDE,  
Ag. Estate Agent & Land Manager.

## APPENDIX No. 1.

Change in	As at the beginning of 1954-55 sq. yds. in thousands.	As at the end of 1954-55 sq. yds. in thousands.
<b>DEVELOPED LAND</b>		
Area permanently leased	57.68	57.72
Area of Trust chawls 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	2.16	2.15
Total	61.85	61.88
Rent of permanently leased area (in rupees in thousands) ...	42.20	42.33
<b>UNDEVELOPED LAND</b>		
Area of land	51.97	51.97
Cost of its acquisition (in rupees in thousands)	18,709	18,709

## APPENDIX No. 2.

Particulars.	No. of plots.	Area in sq. yds.	Capital Value.	Annual rent.
			Rs.	Rs.
Plots leased on—				
I Rental Basis	9	7,199	3,55,385	17,769
II Premium basis	1	1,680	96,000	1*
Total plots disposed of	10	8,879	4,51,385	17,770
Plots disposed of in 1954-55 or earlier but surrendered to the Municipality...	3	4,591	1,01,649	2,178
	7	4,288	3,49,736	15,592**
Corresponding figures for—				
1953-54	15	11,871	6,69,277	18,234
1952-53	10	14,377	5,77,883	21,696
1951-52	30	21,972	4,76,514	13,328

\*Interest on premium at 5 per cent. amounts to Rs. 4,800.

\*\*If the interest on the premium is taken into account the result would show a figure of Rs. 19,538 instead of Rs. 17,770 after deducting the amount of ground rent commuted during the year.

## APPENDIX No. 3.

Estate.	No. of Plots.	Area in sq. yds.	Capital Value.	Annual Rent.	Premium received or receivable.
			Rs.	Rs.	Rs.
Dadar-Matunga South	2	1,229	94,925	4,746	.....
Dadar Matunga North	1	1,680	96,000	1	96,000
East Agriopada North	1	506	25,300	1,265	.....
Scheme 52, Worli	6	5,464	2,35,160	11,758	.....
	10	8,879	4,51,385	17,770	96,000

## APPENDIX No. 4.

Particulars.	1952	1953	1954	1955
(1) Number of Tenancies	3,220	3,252	3,300	3,313
(2) Opening balance of arrears in lacs of rupees	4.40	5.98	7.06	8.08
(3) Demand for the year in Lacs of rupees	32.92	33.67	34.37	34.38
(4) Total demand including arrears in lacs of rupees...	37.32	39.66	41.43	42.46
(5) Amount collected in lacs of rupees	31.34	33.32	33.35	34.42
(6) Percentage of collection to the demand including arrears	83.97	81.49	80.50	81.04
(7) Percentage of collection to the demand for the year	95.28	96.00	97.03	100.09
(8) Percentage of arrears to amount for collection	16.21	18.50	19.51	18.65

## APPENDIX No. 5.

Particulars.	Permanent chawls.		Permanent ground floor rooms and S. P. sheds		Remarks.
	1953-54	1954-55	1953-54	1954-55	
Sanitary staff ... ..	17.31	16.78	18.21	17.3	Including labour camp.
Pumpmen ... ..	0.18	.18	...	...	
Cost of Management and Establishment ... ..	7.5	7.5	7.5	7.5	
Municipal Rates and Taxes ... ..	19.12	19.86	22.27	22.65	
Repairs and Maintenance including lighting ... ..	30.29	36.10	29.14	33.66	
Vacancies ... ..	...	...	...	...	
	74.4	80.42	77.12	81.11	

## APPENDIX No. 6.

Particulars.	Collection of Revenue		
	Permanent.	Temporary	Total
Demand for the year... ..	34,50,013	32,60,250	67,10,263
Arrears ... ..	8,08,559	17,24,685	25,33,244
Arrears in respect of schedule lands ... ..	...	78,242	78,242
	Total ...	42,58,572	50,63,177
Amount collected ... ..	34,42,308	34,48,868	68,91,176
Variations in demand for the previous year carried during the year—	—11,450	+63,491	+52,041
Amount written off ... ..	13,059	...	13,059
Arrears as on 1st April 1955 ... ..	7,91,755	16,77,800	24,69,555
Arrears as on 1st April 1954 ... ..	8,08,559	17,24,685	25,33,244
		78,242	78,242
Arrears as on 1st April 1953 ... ..	7,06,162	16,85,025	23,91,187

## APPENDIX No. 7

Particulars.	Revenue		
	Permanent	Temporary	Total
Amount for collection (demand for the year) ... ..	97,233	5,63,600	6,60,833
Amount of arrears for the year ... ..	24,632	3,00,458	3,25,090
	Total ...	1,21,865	8,64,058
Amount collected ... ..	91,326	7,01,753	7,93,079
Variations in demand for the previous year carried during the year—	.....	+10,775	+10,775
Amount written off ... ..	.....	.....	.....
Arrears as on 1st April 1955 ... ..	30,539	1,73,080	2,03,619
Arrears as on 1st April 1954 ... ..	24,632	3,00,458	3,25,090
Arrears as on 1st April 1953 ... ..	47,104	1,79,909	2,27,013

## APPENDIX No. 8

Description.	No. of plots	Premium	Ground rent.
		Rs.	Rs.
Motor garage ... ..	36	54,879	1,422
Additional floors ... ..	47	81,911	5,909
Change of user ... ..	20	...	3,310
Retention of lofts, etc. ... ..	9	...	4,373
Miscellaneous such as basement floors, retention of temporary structures, etc. ... ..	56	41,896	7,054

## APPENDIX No. 9.

## Report No. 21.

Period.	Actual Staff.	Standard Staff.	Index
Reference ... ..	629	449	71.5
March 1953 ... ..	612	449	73.4
March 1954 ... ..	545	449	82.4
March 1955 ... ..	533	449	84.2

## Report No. 22.

Period.	Actual Staff.	Standard Staff.	Index
Reference ... ..	170	113	66.5
March 1954 ... ..	167	113	67.5
March 1955 ... ..	158	113	71.5

## APPENDIX No. 10 Capital Account. Figures in Lakhs.

Particulars.	1951-52		1952-53		1953-54		1954-55	
	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.
<b>RECEIPT.</b>								
Loan	...	1735.90	...	1,736.90	...	1736.90	...	1,736.90
Discount or Premium	...	-14.20	...	-14.20	...	-14.20	...	-14.20
Sale Proceeds	8.26	640.36	12.28	652.64	14.37	667.01	14.84	681.85
Appropriation from General Account	+2.58	203.66	-5.89	-209.55	-1.10	-209.65	+3.61	-206.04
Special contribution from Government...	...	54.00	...	54.00	...	54.00	5.00	59.00
Release of Debentures lodged with Govt.	...	42.60	...	42.60	...	42.60	...	42.60
Extraordinary receipts	...	25.10	...	25.10	...	25.10	...	25.10
Miscellaneous	...	...	...	...	...	...	...	...
<b>Total</b>	<b>10.84</b>	<b>2281.10</b>	<b>-6.39</b>	<b>2,287.49</b>	<b>-14.27</b>	<b>2301.76</b>	<b>-23.45</b>	<b>2,325.21</b>
<b>EXPENDITURE</b>								
<i>I.—On Govt. and Municipal Property</i>								
Schedule 'W'	...	13.50	...	13.50	...	13.50	...	13.50
Do. 'X'	...	16.20	...	16.20	...	16.20	...	16.20
Do. 'Y'	...	4.70	...	4.70	...	4.70	...	4.70
Police Accommodation Schemes	...	91.60	...	91.60	...	91.60	...	91.60
<b>Total</b>	<b>...</b>	<b>126.00</b>	<b>...</b>	<b>126.00</b>	<b>...</b>	<b>126.00</b>	<b>...</b>	<b>126.00</b>
<i>II.—On the Trust own acquired lands—</i>								
Cost of Management and Estab.	3.83	203.30	2.28	202.58	2.93	205.56	2.47	208.03
Acquisition of land	37	930.24	.17	980.41	.99	981.40	1.27	982.67
Chawls	12.80	155.57	6.85	162.42	10.67	173.09	4.31	177.40
Roads	16.71	471.75	9.20	480.95	8.71	489.66	12.31	501.97
Other works	6.40	41.61	3.33	45.00	6.04	51.04	3.44	54.48
Mill companies chawls	...	7.70	...	7.70	...	7.70	...	7.70
<b>Total</b>	<b>40.11</b>	<b>1857.23</b>	<b>21.83</b>	<b>1,879.06</b>	<b>29.39</b>	<b>1908.45</b>	<b>23.80</b>	<b>1,932.25</b>
<i>III.—Miscellaneous—</i>								
Office Buildings	...	4.50	...	4.50	...	4.50	...	4.50
Other items	...	12.30	...	12.30	...	12.30	...	12.30
<b>Total</b>	<b>...</b>	<b>16.80</b>	<b>...</b>	<b>16.80</b>	<b>...</b>	<b>16.80</b>	<b>...</b>	<b>16.80</b>
<i>IV.—Disposal of Profits</i>								
<i>V.—Debentures lodged with Govt.</i>								
<i>VI.—Repayment of Loans</i>								
<b>Total</b>	<b>40.11</b>	<b>2141.08</b>	<b>21.83</b>	<b>2,162.91</b>	<b>29.39</b>	<b>2192.30</b>	<b>23.80</b>	<b>2,216.10</b>
<b>Balance</b>	<b>29.27</b>	<b>140.02</b>	<b>15.44</b>	<b>124.58</b>	<b>15.12</b>	<b>109.46</b>	<b>.35</b>	<b>109.11</b>

APPENDIX No. 11

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	Rent received in 1898-99 was mainly rent under Schedule 'Z'
1899-1900	0.7	...	...	0.8	...	1.5	0.2	0.2	...	...	0.4	1.1	
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	
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	

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
<b>Total</b>	<b>2,96,486</b>	<b>1,81,457</b>	<b>4,77,943</b>

\* Includes an amount of Rs. 1.23 lakhs still to be adjusted.

1931-1932	...	49.3	23.5	...	1.4	0.1	74.3	10.5	3.3	94.3	...	108.1	-35.8
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
1953-1954	...	68.13	36.99	10.0	5.25	0.66	121.03	37.49	7.5	76.15	...	121.14	-.11
1954-1955	...	71.83	39.62	10.0	5.07	.83	127.35	40.42	7.37	75.95	...	123.74	+3.61
Total to the end of 1954-1955.	2183.04	1143.65	208.22	203.94	19.42	3758.27	622.51	165.97	3143.49	32.4	3964.37	-206.1	

## 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. yd. 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 annual rent.	Annual profit + or loss i.e., 19.58 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	24,802	-6,047
2	5-16 Do. B do.	1903	11,925	6	71,550	5,41,639	6,13,189	28,269	60,988	-16,327
3	31-32 } 38-40 } 45-46 } Do. C do.	1903	6,251	6	37,506	2,79,182	3,16,688	14,599	32,681	-8,200
4	19-24 Chandanwadi Chawls	1904	9,664	15	1,44,960	3,76,915	5,21,875	24,059	68,525	-10,642
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	68,071	-19,504
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	69,832	-13,663
8	52 Workmen's Cottages, Matunga	1905	944	5	4,720	12,083	16,803	774	1,305	-518
9	17-18 Naggada A Chawls	1903	2,569	7	17,983	8,2358	1,00,341	4,626	11,508	-2,373
10	39 Do. B do.	1904	2,099	7	14,693	99,776	1,14,469	5,277	12,976	-2,736
11	28 Princess Street Chawls	1907	1,480	30	44,400	42,412	86,812	4,002	6,120	-2,805
12	42-44 } 47-49 } Superibaug Chawls	1910	8,081	4.8	36,364	3,39,878	3,76,242	17,345	34,278	-10,633
13	52-57 Chinch Bander Chawls	1913	8,496	26.66 (d)	2,26,560 (c)	3,79,622	6,06,182	27,945	60,196	-16,159
14	86-95 Cottage Blocks (old)	1920	2,780	10	27,800	36,069	63,869	4,056	3,108	-3,447
15	58-61 Mahar Chawls	1921	4,181	15	62,715	4,39,814	5,02,529	31,911	29,304	-26,173
16	62 Peons Chawls	1921	3,419	15	51,285	1,70,863	2,22,148	14,106	13,054	-11,560
17	63-66. Mominpura Chawls (Old)	1921	7,760	15	1,16,400	4,31,655	5,48,055	34,801	24,926	-29,920
18	67-72 Three-room tenements, Scheme 5	1922	5,609		33,654	2,64,717	2,98,371	18,946	14,533	-16,100
19	73-78 Two-room tenements, Scheme 6	1922	4,234	6	25,404	2,91,972	3,17,376	20,153	17,775	-16,673
20	79-85 Cottage Blocks (new)	1922	7,808	6	46,848	69,312	1,16,160	7,376	2,843	-6,819
21	Blocks. 1-19 Bellasis Road Chawls	1922	35,704	19	6,78,376	25,75,065	32,53,441	2,06,594	1,89,384	-1,69,513
22	1-16 Mazgaon Chawls	1922	29,081	10	2,90,810	21,77,079	24,67,889	1,56,711	1,27,180	-1,31,809
23	1 Mominpura Chawls (New)	1923	3,911	20	78,220	3,14,276	3,92,496	24,923	21,913	-20,632
24	1-23 Love Lane Chawls	1925	13,367	18.8	2,47,289	11,36,407	13,83,696	87,865	90,253	-70,193
25	1-10 Sydenham Road Chawls	1925	12,795	16	2,04,720	7,78,071	9,82,791	62,407	62,985	-50,075
26	1-2 Palton Road Chawls	1940	3,255	25	81,375	2,32,503	3,13,878	19,931	72,954	-33,671
27	3 Palton Road Chawls	1952	1,856	50	92,777	3,48,544	4,41,321	28,024		
	Total	...	2,13,114	...	31,94,357	1,23,99,687	1,55,94,044	9,15,575	11,20,494	-6,96,182

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.

## 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).	Perman-ent chawls.	S. P. Sheds.	Total Col. (6) and (7).	One room.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1898-99 to 1952-53.	29,499	5,479	3,664	38,642	10,363	4,003	14,366	18,198	160	349	163	18,870
1953-54	1	...	...	1	...	54	54	...	...	...	...	...
1954-55	9	2	7	18	194	30	224	...	...	...	...	...
Total	29,509	5,481	3,671	38,661	10,557	4,087	14,644	18,198	160	349	163	18,870

12.

Number of tenements, full letting value and permissible actual population.

Percentage of net annual return 19.58 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 31-3-1955.	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)
2.05	312	3	Sq. ft. 175	Rs. 5 12	8 14 0	276	1-B, 5-D & 30-E	1,770	1,706	5	1,375	1,265
1.95	658 288	4	110 142	(a) 8 0 4 15 5 6	7 10 0 8 1 0	926	21-E	4,654	4,491	4	3,708	
2.02	433	4	177	5 6	8 12 0	414	18-E 1-F	2,194	2,142	5	2,065	
2.62	674	4	125	7 10	10 6 0	639	2-D, 9-E	4,085	2,872		2,656	1,785
1.87	857	4	135	Rs. 6-6-0, 6-10-0, 6-14, 6-14	9-13, 10-1, 10-5	846	2-B, 4-C & 5-D	4,162	3,883	4	3,380	1,289
	30	4	160	Rs. 6-6, 6-10, 6-14	Rs. 9-13 10-1, 10-5	30	...	...	...	...	...	...
2.19	278	4	176	8 5	17 5 0	222	30-E, 26-G	1,662	1,384	5	1,110	1,324
1.52	15	1	120	7 3	12 7 0	...	...	...	...	4½	67½	...
2.24	144	4	148	6 10	9 10 0	144	...	2,000	1,829	5	720	...
2.72	144	4	160	6 10	9 10 0	144	...	...	...	3½	504	1,781
1.38	64	4	136	7 15	14 2 0	64	...	502	425	4	256	...
1.78	481	4	176	5 13	9 4 0	479	1-B, 1-F	3,072	2,883	4½	2,155½	...
1.94	405	2	176	6 7	13 6 0	372	33-C	2,477	2,175	3½	1,302	1,248
.95	14	1	275	18 8	38 0 0	...	...	...	...	5	70	...
1.13	325	4	176	7 6	13 12 0	320	4-E 1-F	4,302	3,113	5	1,600	...
1.15	134	4	175	8 3	15 13 0	131	3-E	1,388	1,067	5	655	...
.89	246 (b) 160	4	175	7 3	13 8 0	241	6-D	2,654	2,154	5	1,200	1,541
.95	36	3	562	Rs. 30-15, 34 & 36-1	Rs. 55, 60 & 65	...	...	...	...	...	...	...
1.09	72	3	338	Rs. 22-10, 20-9, Rs. 17-8.	Rs. 35, 33, 32	...	...	...	...	...	...	...
.48	10	3	325	Rs. 23-11	35	...	...	...	...	...	...	...
1.14	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	8,410	6,955	5	7,565	...
1.09	1,305	4	176	Rs. 7-3, 7-11	Rs. 15-6, 15-14	1,263	36-C, 4-D & 2-E 7-E	7,675	6,770	5	6,350	...
1.28	234 (b) 54 821	4	176	Rs. 7-3.	13 8 0	227	...	1,988	1,507		1,140	...
		4	176	Rs. 8-12, 9-4, 9-12, 10-4, 10-12, Rs. 8-12, 9-4, 9-12, 18-8, 19-9 & 20-9	Rs. 15-9, 16-1, 16-9, 17-1, 17-9, Rs. 15-7, 16, 16 8, 32, 33, 35	792	6-D, 22-E, & 1-F	5,236	4,895		3,060	1,034
1.25	391	4	176 328	Rs. 15-7, 16, 16 8, 32, 33, 35	...	387	1-B, 1-C, 1-D & 1-E	2,507	2,285	5	1,025	...
1.89	156	4	180	Rs. 8-3, 8-12, 9-4, Rs. 25, 60	Rs. 15-7, 16, 16 8 Rs. 35	125	24-E 7-G	1,304	924	5	630	...
	86	4	180	...	...	76	4-E, 6-G	...	...	...	...	...
	10,376	...	...	...	...	...	...	...	...	...	...	...

\* 5-B, 61-C, 35-D, 180-E, 4-F, 66-G.

13.

Estates since the commencement of the Trust.

THE END OF THE YEAR					NET ADDITION (+) OR REDUCTION (-)						
IN LESSEES' BUILDINGS					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.
One room.	Two rooms	Larger.	Servants' quarters.	Total cols. 14 to 17							
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
18,064	8,880	10,458	2,220	39,622	50,628	8,326	10,807	2,383	72,858	34,216	34,216
2 44	115 151	388 302	...	505 497	56 268	115 151	388 302	...	559 721	558 703	558 703
18,110	9,146	11,148	2,220	40,624	50,952	8,592	11,497	2,383	74,138	35,477	35,477



# WATER WORKS

The Administration Report of the Water Works Department for the year 1954-55 is arranged under the following heads:—

- I.—Head Works at Lakes and Trunk Water Mains.
- II.—Maintenance Branch Outside City Division.
- III.—Maintenance Branch Inside City Division.
- IV.—Distribution Branch.
- V.—Construction Branch.
- VI.—Works Branch.
- VII.—Survey and Design Branch.
- VIII.—Standards Branch.
- IX.—Works of Interest.
- X.—General.

## I.—HEAD WORKS AT LAKES AND TRUNK WATER MAINS

(2) The City of Greater Bombay derives its water supply by gravity from three lakes or impounded reservoirs namely Tansa, Vihar and Tulsi. Tansa Lake, which forms the main source of the City water supply, is situated 66 miles by road from Bombay. The storage capacity of the lake is 40,660 million gallons. Vihar Lake situated 18 miles by road from Bombay has a total storage capacity of 9120 million gallons. Tulsi Lake with a total storage of 2,294 million gallons is situated 22 miles from Bombay. With a view to augmenting the City's water supply to meet the ever-increasing demands due to growth of population and industries, another impounded reservoir has been being constructed about 4½ miles north of Tansa by constructing a solid gravity cement concrete dam across the Vaitarna River. When complete, the dam will be 1820 feet long and 269 feet high at the deepest point of the river gorge and will form a lake with a water spread of 3.28 square miles. The first phase of the construction work was completed on 6th October 1954 when a total quantity of 12,500 gallons was impounded into the Vaitarna Lake.

(3) Water from Vaitarna Lake was transferred to Tansa through a pressure tunnel designed to work under a maximum head of about 125 feet and having a maximum carrying capacity of about 670 million gallons per day, at a maximum velocity of 14.5 feet per second. A total quantity of 4,000 million gallons was transferred from Vaitarna and Tansa through the Vaitarna Tansa Tunnel at certain periods from October 1954 to January 1955. Water from the Tansa Lake is brought to the City by a masonry aqueduct and two 72" x 57" steel mains. The masonry duct 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 siphons. The alignment of the trunk mains is shown in Appendix I. The zones of supply within the City are shown under Appendix II.

(4) Appendices III and IV give statistics of supply and quantity of water used for different purposes during the year. Appendix V shows the average supply per day for the City during the last 55 years and the quota per head based on census figures. The rainfall this year was above normal. The Tansa, Vihar and Tulsi Lakes recorded rainfalls of 114.25, 146.53 and 160.88 inches respectively. The Tansa Lake overflowed for a total period of about 4 weeks. The Tulsi Lake also overflowed for about 7 weeks. The Vihar Lake which ceased overflowing since 1938, overflowed for about 4 weeks during the year. An average supply of 133.76 million gallons per day was given to Greater Bombay during the year. Appendix VI gives information regarding catchment and the lake areas, full supply levels, rainfall, overflow contents of the lakes, evaporation, absorption and losses etc. Appendix VII shows a graphical record of rainfall for the last sixty-eight years. The figures of evaporation losses recorded at the Lakes for the various months during the year under review are tabulated under Appendix VIII.

## II.—MAINTENANCE BRANCH, OUTSIDE CITY DIVISION

(5) This branch is entrusted with the work of repairs and maintenance of trunk mains, embankments, cuttings, culverts, bridges, trolley tracks, head works at the lakes; sterilization of City's water supply; painting of steel mains, maintenance and repairs to motor trolleys, loco and material wagons; upkeep and repairs of Tansa-Atgaon Road and removal of algae in various lakes, ...and maintenance and repairs to Water Works structures in the Outside City Division. Repair works pertaining to the various plants and machinery in the Outside City Division were carried out at the Water Works at Ghatkopar which comprise of Machine Shop, Fitting Shop, Smithy, Carpenters' Shop, Painting Shop, Welding Shop, Motor Vehicle Servicing and Repair Shop, etc. The strength of the Workshop staff was 32 and it was classified as a "Factory" under the provisions of the Factories Act.

(6) The following are the details of the trunk mains, embankments, culverts, tunnels, maintained during

Maintenance of Trunk Mains, Embankments, etc. the year—

Length of steel mains	... 131 miles.
Length of cast iron mains	... 48.25 miles.
Length of the masonry duct	... 23.25 miles.
Length of the tunnels	... 3.88 miles.
Length of the embankments	... 118 miles.
Bridges and Culverts	... 362 Nos.
Length of the trolley track	... 81.5 miles.

(7) There was only one burst during the year on the 24" cross connection between the 24" Tulsi Main and the 57" West Main at Bandra. There were 27 major and 2,649 minor leaks on the trunk mains, which were repaired expeditiously. 164 leaks occurred on the masonry aqueduct and 197 on siphon pipes during the year, repairs to which were carried out departmentally. 28,689 R Ft. of steel mains of various sizes were

painted during the year in addition to 2,832 R.Ft. of 72" steel mains which were painted only at the bottom in the Kishali Division, in the portions where the mains were resting on concrete blocks. Further portions of the mains could not be painted due to non-availability of the base coat of the paint, which was ordered out but not received during the year. 32,273 sq. ft. of stone-pitching and 1,67,444 Cu.Ft. of earth-filling were carried out during the year.

(8) Extra-ordinary repair works as per details given under Appendix IX were carried out during the year at a total cost of Rs. 1,04,207.

Extra-Ordinary Repair Works.

(9) Six heavy type and seven light type motor trolleys were maintained during the year at a total cost of Rs. 24,469. Three engines were received for replacing the existing heavy type motor trolleys. The work could not be completed by the end of the year as radiators, transmission gears and other essential parts were not available. The total mileage covered by the trolleys was 70,739 miles. One Diesel loco was utilised for haulage of heavy materials and covered a total of 4,018 miles, as compared with 6,380 mile during the preceding year. This was due to the fact that it was out of commission for four months, due to heavy repairs. The average cost per mile for haulage was Rs. 1-6-4 per mile, showing an increase of 32 per cent. over the preceding year due to less mileage covered and the heavy cost of repairs carried out. Mobile units consisting of petrol driven and diesel driven motor trolleys, Jeep, air compressors, welding plants, concrete mixers, venturi meters, outboard and inboard boat engines, lighting sets etc., were maintained during the year as per details given under Appendix X. The 500 B.H.P. pumping set at Tansa was worked during the year for a period of 8 hours a day during the month of May 1954 to boost up the pressures in the 72" East Main. The rotor of the stand by pump was repaired at a cost of Rs. 4,554.

Maintenance of Plant and Equipment, and Motor Trolleys.

(10) The particulars of the structures maintained in the Outside City Division are given in Appendix XI. Three additional Inspection Bungalows were brought into commission at the Vihar lake during the year and permits were issued for the occupation of these bungalows also. They have become very popular and were in great demand during the week-ends.

Repairs and Maintenance of Structures.

(11) In order to maintain the purity of water received from the catchment area of the Lakes, a campaign against trespass in the catchment area was continued during the year and 449 heads of cattle were impounded, and about 1,063 were driven out from this area.

Campaign against Trespassers and Cattle.

(12) Ten gardens in the Outside City Division were maintained during the year. The Tansa and the Vihar Lakes remained very popular with the public and there was a great rush of visitors to these lakes on Sundays and Holidays. The total number of visitors to the Tansa Lake was 60,000 against 10,000 during the previous year and at the Vihar Lake 2,00,000 against 80,000 during the preceding year. The amenities provided at the Vihar Lake such as, swimming pool, childrens, playground, boat-house, giant's castle, were fully utilised by the public.

Public Garden and Parks attached to Tansa, Vihar and Tulsi Lakes.

(13) The Tansa supply is sterilized by Chloramine treatment at Powai and Ghatkopar. The dose of Chlorine varied from about 0.67 to 1.5 parts per million parts and those of Ammonia from 0.14 to 0.3 parts per million parts, according to seasons. Upto 25th August 1954 the Chlorination Plant at Bhandup worked for chlorinating the Duct Supply, after which date the work was transferred to the Ghatkopar Cross-Connection Chlorination Plant. The Vihar supply was sterilised at the Chlorination Plant at Powai. The doses of Chlorine varied from 0.7 to 1.51 parts per million parts and those of Ammonia from 0.14 to 0.3 parts per million parts. The average draw-off from the Tulsi Lake was about 4 million gallons per day which was first treated with Potassium Permanganate and then given Alum treatment for coagulation of water. Of the seven rapid sand filter beds, six were in continuous use. After filtration, the water was sterilised by Chloramine treatment, the chlorine doses varying from 0.9 to 2.6 part per million part and Ammonia doses from 0.18 to 0.5 part per million part. The doses of Alum varied from 0.53 to 1.0 grain per gallon. Repairs to the coagulation tanks at Tulsi were also carried out during the year at a total cost of Rs. 9,817. New pump engines and compressors for the Tulsi Filtration Plant to replace the old ones were ordered out during the year, but they were not received.

Sterilization of Water Supply.

(14) As regards the supply drawn from the Masonry Duct Line to the portions of Greater Bombay, North of Powai, it was proposed to provide an auxiliary chlorination plant at Bhandup for which Budget provision was made but the plant could not be ordered out in view of the difficulty of selecting a suitable site, and the non-availability of electric power. The proposals were being finalised at the close of the year.

(15) A small field laboratory was set up at Powai and samples of water from the lakes and mains were tested for ascertaining the various physical properties, viz, turbidity, hardness, P.H. value etc. 24 samples were collected and tested during the year. Residual chlorine tests were also taken daily at Sion, Thana Road, Powai, Ghatkopar, Marol and Baroda and the doses of Chlorine adjusted according to the demand.

Field Laboratory.

(16) Fortnightly bacteriological and chemical analysis of water from the trunk mains after chlorination were carried out during the year by the Municipal Analyst. 420 samples were taken during the year from the various points on the trunk mains, lakes and the distribution system throughout the City. All samples gave negative reaction of B. Coli in 100, which showed that a very high standard of purity as laid down by the Ministry of Health in England was maintained throughout the year.

Bacteriological and Chemical Analysis of Water.

(17) The Labour Welfare Centre, housed in the closed verandah attached to the Dispensary was equipped with several indoor games like Carrom, Draughts. In addition, a small plot in the vicinity of this Centre was used for outdoor games like Volley Ball, Hu-tu-tu Badminton. Annual Day Celebrations were held in Ghatkopar Yard when Education Films were shown. The function was well attended by the labour staff. The daily attendance at the Centre averaged from 60 to 70 persons including children. A Scheme for opening similar Centres in the Northern Divisions, was under consideration. The work of constructing a new building for the Welfare Centre at Ghatkopar Cross Connection at an estimated cost of Rs. 4,510 was in progress. A batch of seven persons was sent to Municipal Rover Scout Training Camp held at Jogeshwari.

Welfare Activities and Medical Relief.

(18) During the year under report, there were six dispensaries working with one Medical Officer, four Compounders and one First Aid Maistry. Attendance at these Dispensaries was as follows:

Dispensary	New Patients	Malaria Cases
(a) Ghatkopar	3788	216
(b) Travelling Dispensary	1733	112
(c) Kapurbavdi	3427	433
(d) Powai	2148	366
(e) Agra Road	2501	195
(f) Tansa	5258	564

Ghatkopar, Kapurbavdi, Agra Road and Travelling Dispensaries were financed by the Department, while Powai and Tansa Dispensaries by the Vaitarna-tum-Tansa Scheme. During the year, the Medical Officer paid 45 visits to Northern Division. Malaria, Anaemia, Diarrhia, Dysentry, Bronchitis, Skin Diseases, Rheumatic Fever, General Debility and Accidental Injuries were common diseases for which the employees attended Dispensaries. One suspected case of Leprosy was referred to Acworth Leper Home for confirmation and treatment. The case was still under treatment at Acworth Leper Home at the close of the year. Two cases of T. B. were detected by the Medical Officer during his routine examination, and were referred to the Princess Street Clinic for screening and to Sewri T. B. Hospital for treatment. Out of the two patients, one expired and the other was taking treatment at Sewri T. B. Hospital with satisfactory progress. During the year, the total amount spent on Medical Aid was Rs. 11,209.

During the year a First Aid Centre at Agra Road Dispensary was opened. It was well patronised by the employees of Janboli and Mandola Divisions. The First Aid Maistry went on regular trips for distributing drugs and rendering First Aid treatment to the employees working on the line upto Tansa.

(20) During the year, Anti-Malaria work upto Bhandup within Greater Bombay Limits was handed over to the insecticide Officer. Incidence of Malaria had decreased during the year, as the employees were given prophylactic dose of Paludrine tablets from the months of September to January.

(21) There was no incidence of epidemics. All the Municipal employees of Outside City Division were vaccinated against small-pox in the month of March.

### III.—MAINTENANCE BRANCH INSIDE CITY DIVISION

(22) This branch is concerned with the maintenance of Water Works inside the City, comprising of repairs and maintenance of water mains, hydrants, fountains and cattle troughs. Water Works buildings and structures, plant and machinery, testing of water fittings. repairs and maintenance of water meters, cleaning of consumers' pipes and fittings, making new connection, on Municipal mains, operation and maintenance of Chlorination Plants at Malabar Hill Reservoir, Ehergarwada Hill Reservoir, Futka Tank and portable Chlorination Plants for re-chlorinating mains. Three Terrance Gardens called Sir Pherozeshah Mehta Gardens, Kamala Nehru Park and Joseph Baptista Gardens are also maintained by this branch. Repair works pertaining to various plants, machinery and equipment in the Inside City Division are carried out at the Water Works Workshops, DeLisle Road, Chirchickli, which comprise of Machine, Carpentry, Painting and Welding Shops, Motor Vehicle Servicing and Repair Shop Smithy, Meter and Pipe Testing Section etc. The total staff engaged in the Workshop is about 250 workmen exclusive of supervisory staff.

(23) A total length of 420 running miles of water mains were maintained during the year. There were 18 bursts on mains as per details given in Appendix XII, all of which were promptly attended to. During the course of the year, 36,838 works as compared with 25,688 last year, were carried out pertaining to repairs to communication pipes, clearing of chokes in service pipes, cleaning of meter strainers, giving new connections, metering of existing connections removing and re-fixing of meters, etc. The total cost of materials was Rs. 1,00,000 the same as last year, and was met from the grant under "Repairs and Maintenance, General Works and Repairs Inside City". To effect speedy relief to the consumers in the event of chokes in pipes, damage to meters, breaking of service pipes and connections, etc., two night-gangs, were maintained to carry out such emergent works. As a result, there was 50 per cent. increase in work, though the total expenditure during the year was the same as in the preceding year. It was possible to carry out comparatively a larger number of works during the night-time due to mechanical transport provided for the workmen and also less disturbance from vehicular traffic. As a large number fire hydrants was misused, resulting in their being out of order, frequent complaints were received from the Fire Department regarding non-availability of water supply as the fire hydrants could not be worked. The matter was fully investigated and in order to cope up with the work, an additional temporary staff comprising of one Fitter and three Labourers was appointed in each Ward to clear the arrears of repair works. Out of 10,000 fire hydrants in the City, 7,558 were repaired and 3,000 were painted during the year. The number of sluice valves required to be operated for daily regulation of supply having increased three-fold during the past few years, there was a heavy programme of repairs to valves due to breaking of spindles, dropping of gates or worn out spindles. As the failure of these valves caused considerable inconveniences and affected the supply of the locality adversely a programme of "Preventive Maintenance" was being drawn up to ensure proper maintenance of these valves.

(25) The total number of water connections to different premises in the City was 60,761 i.e., a net increase of 1,155 over the last year's figure. The number of new water connections made during the year was 1,256 against 1,186 during the preceding year. Out of 1,256 connections, 1,122 were granted at parties' cost and 134 from Municipal funds. 11,507 trenches of varying lengths were excavated for making connections and for general repairs and maintenance works all over the City.

(26) In response to complaints received from the residents of Dadar-Maturga area due to frequent chokes in consumers' pipes and fittings as a result of presence of algae in Vihar water which is supplied to this area, the Corporation had sanctioned funds for the work of cleaning consumers' pipes and fittings beyond the stop tap in this district. The work was continued during the year and 814 connections aggregating to 2,17412 running feet of consumers' pipes of different sizes were cleaned at a cost of Rs. 8,700 (vide Appendix XIII). Additional dirt boxes of sizes 6", 9" and 12" were provided on the mains in 'F' Ward area for collection of shells and suspended matter and 285 numbers of dirt boxes of sizes from 4" to 12" were cleaned during the year.

(27) Staff consisting of two Plumbers and six Labourers was engaged during the year for cleaning communication pipes between the Municipal mains and the stop taps in 'F' Ward. 1,465 connections were cleaned as compared with 1,833 last year (vide Appendix XIV). The number of connections required to be cleared during the year under report was less, as by providing dirt boxes on the service mains, the complaints regarding chokes in communication pipes were considerably reduced.

(28) During the year, 8,937 repair jobs pertaining to meters as per details given below were carried out:—

Repairs to Meters.		
(a) Replacement or removal of worn out or damaged parts and overhauling of meters in the Yard.	2,742	Nos.
(b) Cleaning of dials.	1,571	"
(c) Cleaning of Meter Strainers	3,012	"
(d) Repairs to Leaks	683	"
(e) Repairs to Meter Chambers	644	"
(f) Clearing Dirt Boxes in 'F' Ward	285	"
	<hr/>	
	Total	8,937 Nos.

The total cost of the works was Rs. 45,033, the cost of materials being met from the grant under "C. Meters (b) Spare Parts" and that of labour from the "Establishment Grant".

(29) 3,012 meter strainers were cleaned during the year as against 2,339 during the preceding year. It was found that on account of periodical cleaning of meter strainers, the number of complaints due to chokes was considerably reduced.

(30) 16 Pumping sets were maintained at a total cost of Rs. 48,284. With a view to giving adequate supply to elevated areas of Dongri and Mandvi, additional 275 B.H.P. pumping set was installed and brought into commission. Duplicate pump of the same capacity was also received and erected during the year. Trial of the latter pump was taken in March 1955 but it could not be put in commission due to defects in the switch-gear, which were also attended to. With a view to augmenting the supply at the other Pumping Stations, a pump of 75 B.H.P. capacity was installed at Government Gate Road Pumping Station to boost up the pressures in the elevated areas of Parel Tank Road, Golanji Hill and Sewri. Another pump of similar capacity was provided at Malabar Hill Reservoir but was not put into commission during the year.

(31) In case of private premises provided with pumping sets, the tenants were put to considerable hardships whenever the pumping sets went out of order temporarily. With a view to giving facility to such tenants domestic pumping sets were being given on hire at a nominal charge of Rs. 2 per day, exclusive of transport and fixing charges. This facility was greatly appreciated by the public and was in great demand. It is proposed to purchase additional Pumping sets to cope up with the increase demand for this facility.

(32) With a view to keeping the required standard of residual chlorine in mains inside the City, an extra dose of chlorine was injected into the inlet main at Futka Tank, Malabar Hill and Bhandarwada Hill Reservoirs. A Chlorination Plant of gravity type has been installed at the Malabar Hill Reservoir and plants of pressure type at the Bhandarwada Hill Reservoir and Futka Tank. In addition to this, certain mains in the City, water from which did not show good results on analysis, were re-chlorinated by means of 3 portable chlorinating sets of 8 lbs., 4 lbs. and 1 lb. per hour capacity each. About 1,78,132 lbs. of chlorine were consumed for re-chlorinating inside the City during the year.

(33) 30 Water Works Buildings comprising of Workshops, Control Rooms, Pumping Stations, Chlorination Plants, Officers' Bungalows and Quarters, Labours' Chawls, etc., were maintained during the year at a cost of Rs. 15,500.

(34) 11 petrol-driven motor vehicles, 1 diesel motor lorry and 26 material hand-carts were maintained for transport of men and materials. The total mileage covered by the petrol engine driven vehicles was 69,580 against 62,544 last year. The diesel motor lorry covered 8,251 miles. In addition to the above vehicles, 24 portable construction plants comprising of mobile cranes air compressors, concrete mixers, tractors, dewatering pumps, etc., were maintained during the year. For emergency fire service, two motor vans were utilised, one being stationed at Babula Tank Control Station and the other at 'F' Ward Office. The existing number was found inadequate and proposals for providing two additional vans, one to be stationed in 'A' Ward and the other in 'D' Ward were under consideration.

(35) The work of testing water pipes and fittings was carried out during the year at the Water Works Workshop, DeLisle Road, Chinchpokli. The total number of such pipes and fittings tested was 2,10,538 out of which 1,14,783 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. 14,122. The concession to use inferior quality of pipes given during the war time was withdrawn after due notice and the trade as well as the Licensed Plumbers were informed that the materials could be tested and accepted only in accordance with Municipal Bye Laws after 1st January 1955. Accordingly, Municipal Bye-Laws are now rigidly enforced from that date.

(36) During the year, 6,462 Municipal meters of different sizes and 460 private meters were tested at the Municipal Workshop for ascertaining their correctness. In addition to these, **Testing of Meters.** 476 new meters were submitted by private parties for test, of which 452 were passed and sealed and the remaining were rejected. The revenue derived from testing of water meters submitted by private parties amounted to Rs. 1,815. A large number of old 'Frost' water meters was brought into commission after necessary repairs and manufacturing locally, parts which could not be imported and re-conditioning some of the parts in the Water Works Workshops.

(37) During the year under review, orders were placed for the supply of 626 water meters for the use inside the City, of which the supply of 274 meters were received. The total number **Purchase of Meters.** of Municipal meters in the City was 8,833 (as per Appendix XV) as against 8,576 during the preceding year. 17 water meters were written off during the year, either being stolen or having served their useful life.

(38) A large number of drinking fountains and cattle troughs were temporarily closed down and kept unused on account of fittings being stolen. Drinking fountains which were donated **Repairs to Fountains and Cattle Troughs in the City.** by public donors were again brought into use by replacing the missing fittings. Certain playing fountains were also brought into use. The Flora Fountain which is the centre of attraction in a busy shopping and office centre was played from 12 Noon to 2 P.M. and from 5 P.M. to 7 P.M. The work of flood-lighting, the above fountain was in progress during the year. The Wellington Fountain at Museum was proposed to be flood-lit and played during the night-time. The work was in progress during the year.

(39) The garden along the slopes of Gibbs and Ridge Roads (known as Hanging Gardens, Sir Pherozeshah Mehta Gardens on the top of the Malabar Hill Reservoir, Ladies, and Childrens' **Maintenance of Gardens.** Garden at Ridge Road, Kamala Nehru Park, and Sir Joseph Baptista Garden on the top of the Bhandarwada Hill Reservoir were maintained during the year at a cost of Rs. 23,175. The work of providing electric lights in the Kamala Nehru Park was entrusted to the B. E. S. & T. Undertaking and the work was nearing completion. The Park is to be kept open till 9 P.M. for the convenience of the public after the lights are provided. To give further convenience to the public visiting Sir Pherozeshah Mehta Gardens, the work of soil cementing the pathways was started, but the work could not be completed during the year. A proposal for construction of sanitary block for Sir Pherozeshah Mehta Gardens was approved by the Corporation, and the work was being taken in hand. 80 benches were painted with weather-proof paint during the year, out of the provision of Rs. 700.

(40) The number of visitors to the gardens increased enormously. To afford shelter to visitors from sun and rain and to enhance the general appearance of the garden, one Summer House **Visitors to Gardens.** was sanctioned to be constructed.

#### IV.—DISTRIBUTION BRANCH

(41) This branch comprises of three sections, (a) Ordinary, (b) Waste-Prevention and (c) Meters. The **General.** Ordinary Section deals with the distribution and regulation of supply, requests from the public for connections and other water fittings, short supply complaints and court actions for enforcement of provisions of the Municipal Act relating to public and private water supply. The Waste Prevention Section deals with the investigation of wastage in Municipal mains and fittings and in private premises, rewashing of leaky taps, issue of notices for defective fittings and taking Court actions when they are not complied with. The Meter Section deals with the metering of private water supply and all questions arising therefrom.

(42) For the purpose of distribution of water, the City is divided into three main divisions, viz., (a) the areas getting supply from the Malabar Hill Reservoir, (b) those from Bhandarwada Hill Reservoir and (c) those getting direct supply. Details of the areas served by the two Reservoirs and the direct supply are shown under Appendix No. II. The Malabar Hill Reservoir which serves 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) are served from the 50,000 gallons capacity elevated tank at Malabar Hill Reservoir, to which water is pumped by three electrically driven pumps situated in the Control Room. Bhandarwada Hill Reservoir which serves the areas coloured yellow has a storage capacity of 20 million gallons. The high level localities of Dongri, Mandvi and Mazagon are in addition served by the elevated tank at Bhandarwada Hill Reservoir having a capacity of 1.25 million gallon. The new 275 B.H.P. pump installed in the preceding year did not work satisfactorily due to defect in the switch gear. The defect was attended to, and normal working restored. It was worked from 4 A.M. to 7 A.M. and 8 P.M. to 10-30 P.M. to fill up the elevated tank and the two small 75 H.P. units were worked from 7-0 A.M. to 10- A.M. and 5-0 P.M. to 8-0 P.M. to meet the reduced demand during this period. Another 275 B.H.P. pump was received and erected during the year, but could not be put into commission as the trials were not taken.

(43) The new 96" trunk main for a length of about 7 miles from Powai to Bandra was put into commission in the month of June 1954. Further a section of 3 miles from Kasheli to Mulund was put into commission in April 1955 and another section of 3 miles from Mulund to Bandup was put into commission in November 1954. A total length of about 13 miles was brought into commission by the end of the year. The new 96" trunk main was connected to the 72" < 57" East Tansa Main in order to bring as much water as possible to the reservoirs.

(44) The average quantity of water per day brought to the City during the year was 120.04 million gallons and 13.72 million gallons to the Suburbs, making a total of 133.76 million gallons for the whole of the City.

(45) The hours of supply to different localities are shown under Appendix No. XVI. **Daily Regulation and Hours of Supply.**

With a view to improving the pressures in various parts of the City, the following improvements in regulation of supply were carried out:—

- (a) As the 48" Fort outlet was laid only upto Catholic Gymkhana and further portion was yet to be laid, a 21" cross connection between the 48" Fort outlet and the 30" Backbay Outlet was made to boost up the pressures in the Colaba area. Similarly, the 48" Kalbadevi Outlet was cross-connected with the 24" Fort Outlet and this Cross-connection was operated after supply hours with a view to boost up the pressures in the Fort Outlet main. The overall pressure in Colaba and Fort areas considerably improved thereby.
- (b) The 48" Kalbadevi Outlet was cross-connected with the 24" main Girgaum Road with a view to improve the pressures in Thakurdwar area, pending laying of a 30" main in Thakurdwar Road, which work was in progress during the year.
- (c) With a view to improving the supply in Girgaum area, the cross-connection between Girgaum outlet with the 32" main in Nara's Chowk was operated at 7 P.M., for boosting up the pressures in the Girgaum area prior to opening of the regular supply at 8 P.M.
- (d) Since 1948, the 24" main in Peddar Road, which was formerly serving as an outlet main was utilised as a direct supply main from the 57" steel mains at Mahalaxmi junction Clerk Road to feed Peddar Road, Forjett Street, Raghavji Road and parts of Gowalia Tank Road, Hughes Road and Warden Road. The areas of Warden Road, Hughes Road, Gowalia Tank Road, Forjett Street and Raghavji Road were at a distance of nearly 4 miles from Mahalaxmi cross-connection with the 57" main, with the result that sufficient pressures did not build up in these areas due to draw-off from the 24" main in Peddar Road and other localities nearer to the trunk mains. The direct supply area was, therefore, curtailed and the 24" main was utilised to serve as an outlet main from 8 P.M. to 11 P.M. for the area nearest the Malabar Hill Reservoir. For this purpose the line sluice valves were provided on 24" main in Peddar Road and 9" main in Gowalia Tank Road to enable proper zoning and regulation of direct and reservoir supplies.
- (e) The middle valve on the 32" Nesbit Road outlet was in the past kept shut at Berkley Palace with the result that the areas in Souter Street, Jacob Circle, North of Sankli Street, which were served by direct supply from the Old Tansa Main remained deficient in supply. By opening this valve, the pressures in this area improved due to boosting from the reservoir supply during supply hours. Similarly, there was improvement in supply in the area south of Nesbit Road upto J. J. Hospital.
- (f) Due to heavy draw off during supply hours into the suction tanks in the Bombay Port Trust Docks, there was a drop in pressure in the Frere Road main. In order to avoid this, the Port Trust were permitted to take the supply into the suction tank after supply hours and also throughout the day at low pressure. As the Bombay Port Trust Docks were situated close to the Bhandarwada Hill Reservoir, it was found convenient to feed them from this reservoir instead of the Malabar Hill Reservoir, thereby conserving the supply in the latter reservoir and preventing heavy drop in pressure in the 24" Frere Road main. As the supply was required by the Port Trust throughout the day, it required manipulation of a large number of sluice valves, for which special staff was maintained at the cost of the Bombay Port Trust.
- (g) Formerly, the elevated areas of Dongri and Mazagaon were served at the same time, with the result that with limited capacity of the pumping set, it was not possible to build up the pressures in both these areas simultaneously. The hours of pump supply to these two areas were, therefore, staggered and with the provision of higher capacity pumps, it was possible to give extended pumping supply, which resulted in improvement of pressures in the Mazagaon area.
- (h) A 12" cross connection was made between the 22" main in Lamington Road, with the 36" main in the same road. This enabled the pressures to be boosted up in the 24" Lamington Road main and pressures in Moreland Road, Ripon Road and Jacob Circle improved considerably thereby.
- (i) In the past, the middle valve on the 57" Old Tansa Main at Clerk Road was kept shut. It was operated during the supply hours and the pressures were boosted up by opening the 24" cross-connection with the 57" mains.
- (j) Prior to April 1954, the 24" Tulsi pipe-line from Bandra upto junction Fergusson Road was kept idle, and there was very little flow in this main as sluice valves on all the mains taking off from the Tulsi main were kept shut. A 24" cross-connection was made with the 57" West main at Bandra and the existing 12" connection near Fergusson Road with the 57" East and West Mains and the 24" Tulsi Main was enlarged to 24" diameter. The 24" Tulsi Main was thereby brought into commission as an additional feeder main being fed from the North and South by the two new 24" cross-connections. The pressures in most of the areas in 'G' Ward improved considerably after these cross-connections were made. However, there was certain areas like Hansali Tank Road, Cadell Road South, Ranade Road South, etc., where due to deficiency of feeder and service mains, the prevailing pressures were still low, though there had been improvement in these areas also to the extent of about 2 to 4 lb. per sq. inch.
- (k) The gate of the 12" valve on the 57" East main had dropped, with the result that there was no boosting from the East main during supply hours. The work was not taken in hand in the past as suitable opportunity had not occurred. This work was however, taken up when the 57" East main had to be isolated for carrying out certain other works. With the opening of this valve during supply hours, the pressures in this area have improved by about 4 lbs. per sq. inch.
- (l) With a view to improve supply in 'F' Ward South, the pressures in the 32" and 24" Vchar mains were equalised after 11 P.M. and were boosted up from the 48" New Tansa Main between 12 Midnight and 5 A.M.

(m) The Old Tansa pressures in 'F' Ward were found to be very low due to the Duct Line feeding the West main at Kapurbavdi. The cross-connection between the Duct and the West main was, therefore, regulated to give a minimum height of water of 3.4 feet in the Duct Line at Chatkopar Syphon Head. Further, the Old Tansa pressures were boosted up from the Vchar supply by opening the cross-connection at Katchra Cabin during non-supply hours.

(46) Owing to the execution of the above works for effecting better regulation of supply, the available pressures improved in a number of localities.

(47) The improvement in pressures due to regulation of supply referred to above, resulted in considerably diminished the short supply complaints, particulars of which are shown under **Short Supply Complaints**. Appendix No. XVII, from which it will be seen that during the year under report, there were 13,629 short supply complaints as against 23,425 during the preceding year, i.e., a decrease of 41.7 per cent. A large number of complaints were also redressed due to Court action taken for enforcement of provisions of the Municipal Act, setting right the defective distribution within the premises or defective fittings such as, pumping sets, leaky storage tanks, leaky service pipes, etc. However, during the year under review, works in connection with the laying of the 96" main and making cross-connection with the trunk mains necessitated isolation of the mains at frequent intervals, which resulted in reduction of supply and increase in short supply complaints during the period when less supply was received to the City.

(48) The system of dealing with short supply complaints was overhauled. Each complaint when received in the office, was classified by Wards or Zones and the report were called for from the Inspectors by a fixed date. An interim reply was given to the party acknowledging their complaint and after the investigations were completed, the party was informed about the cause of complaint and the action taken by the department. A procedure was also formulated in consultation with the Municipal Commissioner for the guidance of the staff as to the line of action to be followed in disposal of complaints. In many cases of acute shortage, where dilatory action was taken by the landlords, the tenants are asked to apply to the Municipal Commissioner to give them authority under Section 499 or the Bombay Municipal Corporation Act for carrying out the notice works at the cost of the owners. All this put a great strain on the Distribution Staff, as the number of correspondence increased considerably and actions were expended due to time limit fixed for different stages of the disposal of complaints.

(49) As a result of the new procedure formulated in dealing with short supply complaints, **Municipal Notices and Prosecutions**. Commissioner's Notices under Section 274 of the Bombay Municipal Corporation Act were issued in 796 cases, and under Section 271(2) in 22 cases in respect of premises which were without Municipal water supply. The number of prosecutions launched under the above two sections during the year was 525. The number of convictions was 263 and 55 cases were withdrawn after compliance with the notices, or part thereof. 207 cases were pending disposal at the end of the year. The total amount of fines recovered was Rs. 3,784. Besides, the above, 5,265 notices under Section 278(2) of the Bombay Municipal Corporation Act, were served on the owners for defects in water fittings excluding those in respect of unauthorised work infringing the provisions of Section 287(A) and (B) of the Municipal Act and violating the Water Bye Laws. Arising out of these, 382 prosecutions were launched. The number of convictions was 251 and the amount of fines recovered was Rs. 1,697.

(50) Court work continued to be conducted by the Ward Inspectors. Reluctance on the part of landlords to comply with our requisitions gave rise to our actions being frequently challenged on purely legal points and it became increasingly difficult for the Inspectors to deal with them and the Solicitor to the Corporation was requested to conduct such contested cases with the help of the Municipal Public Prosecutor.

(51) The Corporation followed the policy of metering the various categories of consumers progressively for the last over half a century and various trades and industries have now been metered at different rates under provisions of Section 169 and 170 of the Bombay Municipal Corporation Act. Under this policy, bungalows with gardens have been metered for more than last 45 years. Since 1952, metering of domestic supply had been introduced in certain areas. As a result of certain experiments it was found that the per capita consumption was 3 to 4 times the average consumption in areas of Marine Drive, Backbay Reclamation, Cuffee Parade, Queen's Road, Coperage Wodehouse Road, Colaba Reclamation, Apollo Reclamation, Ormiston Road, Peddar Road, Warden Road Napean Sea Road and Ridge Road, and the metering of domestic supply in these areas was, therefore, gradually introduced.

(52) In order to enable the owners to recover the difference between the water charges and the water tax paid by them in case of each premises which were being metered under the new policy of metering domestic supply, Section 173 of the Bombay Municipal Corporation Act was amended under Bombay Act No. LXII of 1954. Similarly, Section 276 of the Bombay Municipal Corporation Act was also amended with a view to permit the tenants to provide their own meters subject to rules and regulations approved by the Municipal Commissioner. The rules were under preparation and were not finalised by the end of the year.

(53) The number of cases reported to the Standing Committee for severing water connections for non-payment of taxes and using unmetered water supply was 1,111 as against 732 in the previous year. In 264 cases, the supply was closed but subsequently restored. In 49 cases the water connections were cut off. In the remaining cases, the execution of disconnection orders was not carried out as the consumers complied with the Municipal requirements.

(54) The total number of calls received from the Fire Brigade Department was 1,081 as against 1,247 received during the previous year. They were promptly attended to by the Distribution staff. Out of 1,081 calls, 202 were false and 114 were on account of collapse of houses. The total quantity of water used on fires was about 2 million gallons. In order to enable the staff to attend to fires promptly, two fire vans were maintained throughout the 24 hours, one at Babula Tank Control Station and the other at 'F' (South) Ward Office. One van was maintained for night-duty only at the 'G' (South) Ward Office.

(55) Pitometer observations were taken during the year to gauge the quantity of water conveyed by the trunk and distributor mairs with a view to finding out whether any of them were Pitometer Gaugings. surcharged or under-charged. Several proposals for remedying defects based on these observations were made. The work was carried out by one Overseer with four Labourers.

(56) 235 miles of mains varying from 4" to 9" were tested by Deacon Meters in the City, and 211 miles of mains from 12" to 72" were sounded. The total cost of materials for these works was Rs. 5,000 In addition to the above, public urinals and latrines numbering 4,330 were inspected once a week by the Waste Prevention Staff. 2,334 Defect Notices were issued for keeping these services in good order.

(57) The re-washing work done is shown in Appendix No. XVIII. The work of house to house Rewashing. Inspection of leaky taps and fittings throughout the City was discontinued in the previous year due to curtailment of staff. However, due to large number of cases of wastage from leaky taps it appeared necessary to revive this work and proposals in this respect were under consideration.

(58) The anti-waste campaign was continued. 300 posters were printed and displayed in trams and Anti-Waste Campaign. buses through the courtesy of the Bombay Electric Supply and Transport Undertaking. An order for printing 900 more posters for similar display was being placed. 72 cinema slides of new designs for anti-wastage propaganda were prepared and displayed free of cost by the 30 Cinema Houses in the City.

(59) The total revenue derived from water supplied by meter measurements was Rs. 1,34,07,286 for Revenue from metered connections. the city only as against Rs. 1,45,36,428 during the previous year. The decrease from last year's revenue was Rs. 11,29,142. The metering programme was continued during the year. The total number of restaurants metered was 2,765 against 2,660 during the previous year.

(60) 8,833 meters of sizes varying from  $\frac{1}{2}$ " to 8" were maintained from the grant under repairs to meters Meters. during the year at a total cost of Rs. 74,380 which included the cost of maintaining Venturi meters also. The number of meters exchanged was 2,667. 261 meters were fixed on new connections and 82 meters were removed from the existing connections.

(61) This programme of metering of domestic supply in areas where the deplete quantum of supply was Progressive Metering of Domestic Supply in the City. above average was continued during the year and 236 new properties were metered.

#### V.—CONSTRUCTION BRANCH

(62) For improving the water supply to the city, water mains of different sizes were laid and other works Laying New Mains. were carried out from Capital Works, Loan Funds, as per particulars given under Appendix No. XX.

(63) The following works were carried out on behalf of other departments Departmental and Private Party Works. of the Corporation:—

(a) Making a 1" connection and providing 4 Nos. of 'Morris' couplings for Jain Co-operative Housing Society on behalf of the Estate Agent and Land Manager's Department.

(b) Diverting the existing 4" > 3" C. I. mains at Sion-Matunga Estate on behalf of Estate Agent and Land Manager's Department.

(c) Diverting the mains coming in the way of construction work at Shanti Nagar on behalf of City Engineer's Department.

(d) Laying 6" main and replacing the existing C. I. pipes for Municipal General Hospital at Sion, on behalf of the Superintendent of the Hospital.

(e) Filling in Plot No. C at Bhulabhai Desai Road for Children's Garden.

Private party works as per details given under Appendix No. XX were carried out during the year.

(64) In view of frequent complaints of shortage of water supply and expeditious measures, required Works for Regulating Supply. to be taken for giving immediate relief to the consumers, a specific provision was made in the Budget from which the following works were carried out:—

(a) Making 24" x 6" connection on the 24" main in Girgaum Road and laying 6" main in Mughbhat Street for a length of 186 R. ft. with 2 stand post hydrants and transferring 39 numbers of connections.

(b) Making 6" x 4" cross connection at St. Mary's Road.

(c) Making a 18" x 6" connection and laying 6" main 307 feet in length in Queen's Road.

(d) Providing a middle valve on the 9" main in Gowalia Tank Road.

(e) Providing a 24" middle valve on the 24" main in Peddar Road.

(f) Enlarging the 12" and 9" cross connections on the 57" Tansa mains at Fergusson Road to 24".

(g) The putting into commission the 12" regulating valve on the 57" East Main at Carrol Road junction with Tulsi Pipe Line Road.

All these works resulted in improvement in supply to the extent of about 4-5 lbs. per sq. inch during supply hours, in the areas where they were carried out.



(65) The total length of the 57" steel mains in the City, which were laid in the year 1926 is about 11½ miles. It has been found that at many places heavy corrosion has set in resulting in puncturing of the plates at several places. In the past, these holes were plugged with wood, but the condition of the plates have deteriorated to such an extent that immediate measures were necessary for giving extensive protection to the steel mains. The Corporation approved of an estimate amounting to Rs. 70,00,000 and out of the funds provided 1,048 R.ft. of the mains were patch-plated and guniting. A Contract was placed for patch-plating and guniting a further length of 2,000 R.ft. of these mains between Fergusson Road and Hairies Road, at a cost of Rs. 3,54,157 and the work was commenced on the 14th March 1955.

**Protection of the 57" Steel Mains in the City by Patch Plating and Guniting.**

(66) Compartments I and II of the Malabar Hill Reservoir were cleaned on 5th January 1955 and 22nd January 1955 respectively. They were put out of commission one at a time and the work of cleaning them carried out within 24 hours, by working in three shifts instead of the past practice of working in one shift and spreading the work over three days.

**Cleaning of Reservoirs.**

## VI.—WORKS BRANCH

(67) The work of laying the two outlets from the Malabar Hill Reservoir to serve the Kalbadevi and Fort area as was continued during the year under report. Although the Kalbadevi and Fort Outlet was put into commission on 18th March 1954, the work of laying a 30" steel main in Thakurdwar Road had remained to be carried out. This work was taken in hand during the year under review and by the end of the year, 787 R.ft. of 30" pipe line was laid. In view of the very congested area in which this main was to be laid and the working difficulties met within the trenches it was not found possible to give protection to the steel pipes by guniting. An order was, therefore, placed for covering the pipes with coats of fibre glass covered over by successive coats of hot bitumastic enamel. A cross connection between the 21" mains in Girgaum and the 48" Kalbadevi Outlet at the junction of Girgaum Road and Gazdar Street was made in July, as a result of which, pressures in the Girgaum locality improved considerably. Further cross connections at the following places were proposed to be made with a view to proper zoning of the supply in this area:—

**Kalbadevi and Fort Outlets.**

(a) 24" cross connection between the 24" Thakurdwar Outlet and the 24" Girgaum Outlet at the junction of Thakurdwar and Girgaum Road.

(b) A 24" cross connection between the 24" Girgaum Road and the new 30" main in Thakurdwar Road at the junction of Thakurdwar and Girgaum Road.

(68) For the new Fort Outlet, 5,372 R.ft. of 48" steel pipes were laid under a contract in the footpath of Netaji Subhash Road from Grant Medical College Gymkhana to junction Veer Nariman Road. In addition, to this 543 R.ft. of 48" pipe-line, 190 R.ft. of 57" and 138 R.ft. of 36" pipe line were laid departmentally along Veer Nariman Road. The following cross connections were made with the new 48" Fort Outlet:—

(a) 30" cross connection with the 30" Back Bay Outlet opposite Parsian Dairy on Netaji Subhash Road.

(b) 30" cross connection with the 30" Backbay Outlet opposite Tarpaorevalia Aquarium.

(c) 24" cross connection with the 24" Fort Outlet main at Flora Fountain.

(69) During the year under review, 4 numbers of 48" electrically operated sluice valves were received and installed on the four limbs of the above two outlets from compartment Nos. I and II of the Malabar Hill Reservoir.

(70) The fabrication of 48" and 30" steel pipes required for the work of laying outlet and distributary mains from the Malabar Hill Reservoir was completed during the year under a Contract. The contractors supplied 6,028 R.ft. of 48" steel pipes and 1,474 R.ft. of 30" diameter steel pipe lines. The work of laying the 48" Outlet main was completed by the end of the year but the main could not be put into commission immediately as certain cross-connection works for regulation and zoning of water supply had to be done.

(71) The particulars of the various lengths of the pipe-line laid by the Works Branch during the year are shown under Appendix No. XXII.

## VII.—SURVEY AND DESIGN BRANCH

(72) Several proposals for laying water mains for improvement of water supply of the City were formulated during the year and 180 estimates for provision and enlargement of water mains and other works amounting to about Rs. 1,69,00,000 were preferred and submitted to the Works Committee and Corporation for sanction.

**Preparation of Plans and Estimates.**

(73) 1,282 cases of compounded water charges for water used for construction purposes were framed as against 1,007 in the preceding year, resulting in a total revenue of Rs. 6,02,698 Rs. 2,79,350 in the preceding year. In addition 394 cases of Suburban Branches were dealt with, resulting in a revenue of Rs. 53,013.

**Compounded Water Charges for Water used for Building Purposes.**

(74) Statements and reports of (a) Lake Levels, (b) Storage of Water in Lakes, (c) Discharge through Trunk Mains, (d) Rainfall in different Districts, (e) Leaks in Tansa Dam, (f) Bacteriological and Chemical Analysis of Water, (g) Temperature of Water, (h) Short Supply, (i) Chlorine and Ammonia Dosages, (j) Exhaust Water from Hydrostat, (k) Pressure Charts, (l) Venturi Meter Discharges and (m) Lakes and Outlet Well Diagrams, were maintained during the year under report. The statements in respect of Items Nos. (a), (b), (c) and (d) were submitted to the Standing Committee every month and during the month on every week.

**Maintenance of Statistical Data.**

(75) As the final stage of the Vaitarna-cum-Tansa Scheme was likely to be completed by December 1956, it was considered necessary to remodel the existing distribution system with a view to ensuring equitable distribution of additional supply to be brought to the City. The re-modelling was designed for the zones *viz.*, (a) Areas served by the Malabar Hill Reservoir, (b) Areas served by the Bhandarwada Hill Reservoir and (c) Areas in North of the City served by direct supply.

(76) The total requirements of the areas served by the Malabar Hill Reservoir was estimated at about 50 million gallons against which the existing inlet capacities were found to be only 32 million gallons per day. This was due to the fact that the 57" trunk inlet mains to this reservoir were utilised for giving direct supply to G Ward during which period no supply could reach the reservoir. This deficiency was proposed to be made good by laying a 72" > 57" trunk main for meeting the peak demand of G Ward and the two 57" mains would then serve the Malabar Hill Reservoir throughout the day.

(77) Similarly, the inlet capacity for Bhandarwada Hill Reservoir was only 20 million gallons per day as against the requirements of 45 million gallons per day for areas served by this Reservoir. The deficiency was proposed to be partly made good by extending the supply from Vehar and Old Tansa Main (which were originally meant to serve only F Ward) into E Ward, resulting in deficiency of supply in both E and F Wards. This deficiency is proposed to be made good by laying additional inlet main of 57" > 48" diameter to bring the additional water from Vaitarna Lake to the Bhandarwada Hill Reservoir.

(78) In absence of an outlet main, Tardeo, Warden Road, Gowalia Tank Road and Poddar Road were served by direct supply with resultant disadvantages. These areas are under zone of supply from the Malabar Hill Reservoir. A 32" outlet main was proposed to be laid for this area. The supply in the Walkeshwar area was found to be irregular, due to the air locks in the 12" syphon main which became inoperative when the levels in the Reservoir were low. A new 12" outlet main was proposed to be laid along Siri Road to eliminate the disadvantages of the syphon main, which was proposed to be converted into pump supply main to meet the increased demand of elevated areas of Ridge Road.

(79) The deficiency in outlet mains for Bhandarwada Hill Reservoir is proposed to be made good by laying two additional outlets, one to serve Mandvi, Pydhoni and Kumbharwada areas and the other to serve Byculla, Ghorupdeo and Kalachowki areas. After these works are carried out, the supply from Vehar and Old Tansa Mains will be restricted to F Ward only thereby improving pressures throughout this Ward.

(80) The deficiency of supply in G Ward is proposed to be made good by laying 72" > 57" trunk main and providing 24" cross connecting feeder mains in Sayani Road, Hansali Tank Road, Lady Hardinge Road and Gokhale Road.

#### VIII—STANDARDS BRANCH

(81) The Standards Branch continued to function for the department both as regards re-organisation of the Suburbs and the scrutiny of various proposals for increasing the staff resulting from new development works and increased activity of the department. In the Suburbs the reduction effected was 33 men comprising of scheduled and temporary staff. The total reduction effected upto the end of the year under report was 499 men from the City and 33 men from the Suburbs resulting in a saving of about Rs. 4,83,000 per annum.

#### IX.—WORKS OF INTEREST

(82) An R. C. C. structure to accommodate a Canteen for the workers and a Store Room for cement and mild steel bars was constructed at a cost of Rs. 18,600. Further, to cope up with the increase in repair work to the motor vehicles, the existing motore service shop was remodelled at an estimated cost of Rs. 34,475 by providing an additional bay and constructing an additional storey thereon to accommodate the office of the Assistant Engineer Maintenance. The work was in progress at the close of the year.

(83) Sir Pherozeshah Mehta Gardens, Kamala Nehru Park and the Joseph Baotista Gardens were illuminated by coloured lights on the Republic Day. The Tower Bungalow at Malabar Hill Reservoir was also decorated by a huge National Flag, illuminated in coloured lights. The illuminations were greatly appreciated by the public. The cost of the work was Rs. 24,900. It is proposed to illuminate the gardens on Sundays and Public Holidays.

(84) The scheme for improvement of water supply to the Municipal Chawls at Bellasis Road and Nagpada Road was executed at a cost of Rs. 97,641 by providing additional storage tanks and pumping arrangement.

(85) The 43 acres of land situated in a picturesque countryside adjoining the Powai Lake was proposed to be developed into a Public Park in natural surroundings. The work of clearing the site, laying out pathways, constructing culverts, for natural water courses, planting shrubs and trees was in progress during the year. The cost of the work is estimated at Rs. 1,29,896 and a great deal of development work costing Rs. 45,000 was completed by the end of the year.

(86) In order to protect the steel pipes from corrosion due to soil and to facilitate painting work, an estimate amounting to Rs. 42,58,000 was sanctioned by the Corporation for the work of providing Concrete Blocks under the Trunk Mains in the Outside City Division. The work of providing concrete blocks for a length of about 6 miles was given by Contract during the year at a total cost of Rs. 3,34,072, but it had not started at the close of the year.

(87) The work of strengthening the Tansa dam was completed by the end of the year. The work was accomplished by drilling 2½" diameter holes near the upstream face of the dam and carried into the foundation rock to such depth as was required to secure effective anchorage in the requisite mass of this rock. The total length of holes drilled was 2,40,000 R.ft. Steel cables were then lowered down the holes with a specially prepared

length of the cable which was embedded in the foundation rock and secured in position by means of rich cement grout. The top end of the cable was fixed in a steel head and the ropes were tensioned by jacking up the head against the top of the dam. This tension was maintained by inserting steel plates keeping the steel head to the dam and the jacks were removed. Steel plates were provided at the top of the dam to distribute the load evenly over the entire area of the dam. Thus, the tension of the rope was transferred to the top of the dam and at super compression was induced in the dam. The cable was protected against corrosion by grouting the hole throughout the length with cement.

(88) As the Tansa Lake had become very popular with the public and as there were increased transfer facilities available for the visitors to this lake, it was thought necessary to provide a shelter for the visiting public and also to lay out lawns where they could relax. A pavillion was, therefore, constructed and lawns have been laid out. Facilities for drinking water and sanitary arrangements are also being provided at a cost of Rs. 30,000

(89) On 6th October 1954, a Ceremony was performed by the Prime Minister of India, Shri Jawaharlal Nehru, to mark the first phase of the Vaitarna-cum-Tansa Project, when the sluice gate on the tunnel leading from the Vaitarna lake was opened by him. Since that date, a total quantity of about 4,000 million gallons was transferred from the Vaitarna Lake into the Tansa Lake upto the end of January 1955.

(90) Cross connections at Kasheli, Tarali, Pogaon and Mulund were made between the 96" and the 72" East and West Mains. The following portions of the 96" main were put into commission during the year:—

(a) From Kapurbavdi to Mulund	... 3 miles, 0 furlongs.
(b) From Powai to Sahar	... 3 miles, 6 furlongs.
(c) From Sahar to Bandra	... 3 miles, 4 furlongs.
(d) From Mulund to Bhardup	... 3 miles, 2 furlongs.
Total	... <u>13 miles, 4 furlongs.</u>

(91) In connection with the work of the construction of the Subway near the Churchgate Station, the 9" water main which fouled the excavation was diverted and 24" Fort Outlet was supported on R. S. Joists. It was proposed to raise the 24" main over the slab of the Subway but the work could not be taken in hand during the year as the Subway was not completed.

#### X.—GENERAL

(92) Several demands were made by the Labour Union in the preceding year. These were considered and a majority of them were disposed of by the Municipal Commissioner. Cordial Labour Relations prevailed between the Labour and Administration throughout the year. Two meetings of the Joint Labour Council were held. The Council comprised of five officers with the Hydraulic Engineer as the Chairman, five representatives of the Labour staff and the Labour Officer as Ex-Officio Member. The Secretary of the Union attended the Meetings in advisory capacity.

(93) As a result of certain experiments carried out in the year 1951, it was noticed that the per capital consumption in certain areas like Marine Drive, Cuffee Parade, Hughes Road, Colaba, Malabar Hill, Warden Road, was very high and much above the optimum requirements for the consumers in these areas. In view of the policy adopted by the Corporation in progressively metering different categories of consumers it was decided in 1951 that premises in the above localities should be charged for water according to measurement, under Section 169 of the Bombay Municipal Corporation Act instead of levying the Water Tax on such premises.

Shri Hirabhai Ashabhai Patel and Another, owners of a building situated at Marine Drive, submitted a Petition to the High Court, challenging the provisions of Section 169 of the Bombay Municipal Corporation Act on three grounds, *vi.z.* (a) that the Legislature was not competent to enact the Section, (b) that the said Section violated Article 14 of the Constitution, and (c) that the Section constituted delegation of legislative function by the Legislature to the Standing Committee or the Commissioner. The Petition was heard by the Division Bench of the High Court comprising of Chief Justice, Shri C. J. Chagla and Justice Shri J. Dixit.

(94) As regards the first ground, their Lordships held that under the present Constitution, the State Legislature was competent to confer upon the Local Authorities the power to tax and its competency could not be affected because the power that has been conferred on the Local Authority was an unlimited power. As regards the second point of discrimination, their Lordships held that it was not necessary that a certain provision of law should apply at the same time to all members of a class. If a class is indicated as the object of legislation or the object of social reform, it was open to the Legislature or to the authority upon whom the power was conferred to achieve the object or to carry out the social reform in stages. It was retraceably clear from the Commissioner's affidavit that ultimately the whole class of residential consumers would come within the purview of the law and therefore, the mere fact that at a particular point of time only certain number of the class were affected did not make the Legislation or the exercise of power bad.

As regards the third ground their Lordships held that the contention that Section 169 of the Bombay Municipal Corporation Act constituted the delegation of legislative function by the Legislature was untenable. The Petition was, therefore, dismissed with costs.

(95) The undersigned took charge of the post of Hydraulic Engineer, with effect from 5th April 1954. The total number of Superior staff during the year was 210 and the cost of the establishment was Rs. 5,25,423. 998 employees (on permanent establishment) including Chaviwallas, Stores-attendant, Peons, Labourers, Artisans etc., were charged to the grant under permanent labour (cost Rs. 3,81,642) and 236 employees on monthly wages were charged to the grant under the various revenue works on which they were employed, (Cost Rs. 1,30,600). The Dearness Allowance paid to the Superior, Inferior, Labour etc., staff amounted to Rs. 9,19,200.33 persons were on Temporary Establishment, on daily wages and were engaged from time to time as required, and the cost of Rs. 10,361 was debitted to the grant under Labour Temporary. 264 persons on permanent establishment Capital Works, Loan Funds were charged to the various Loan Works Grants on which they were employed (Cost Rs. 3,01,620) and 1,207 persons were employed on daily wages (temporary) on various Loan Works Grants (Cost Rs. 1,08,389). The total total Labour Staff, both permanent and temporary on Revenue and Loan Works and their cost amounted to 1,031 and Rs. 3,92,003 and 1,471 and Rs. 4,09,009 respectively.

(96) (a) Revenue.—The total expenditure incurred on Water Works amounted to Rs. 1,71,22,592 which include Rs. 1,31,24,193 for Interest, Sinking Fund Charges, etc., for loans raised for Water Works, Rs. 5,17,134 for proportionate charges for General Superintendence and Revenue Collection and Rs. 2,19,702 for Provident Fund and Pension Charges. The total revenue derived from Water Works was Rs. 1,95,78,630 the excess of income over expenditure being Rs. 24,72,343.

(b) Loan Fund.—The total expenditure incurred during the year, out of Loan Fund was Rs. 6,23,452.

J. D. DAROGA,  
M.Sc.(Eng.),(Lond.), B.E., A.M.Inst.C.E.,  
M.I.E., A.M.I.Mech.E., M.I.San.E.,  
D.I.C.(Lond.).

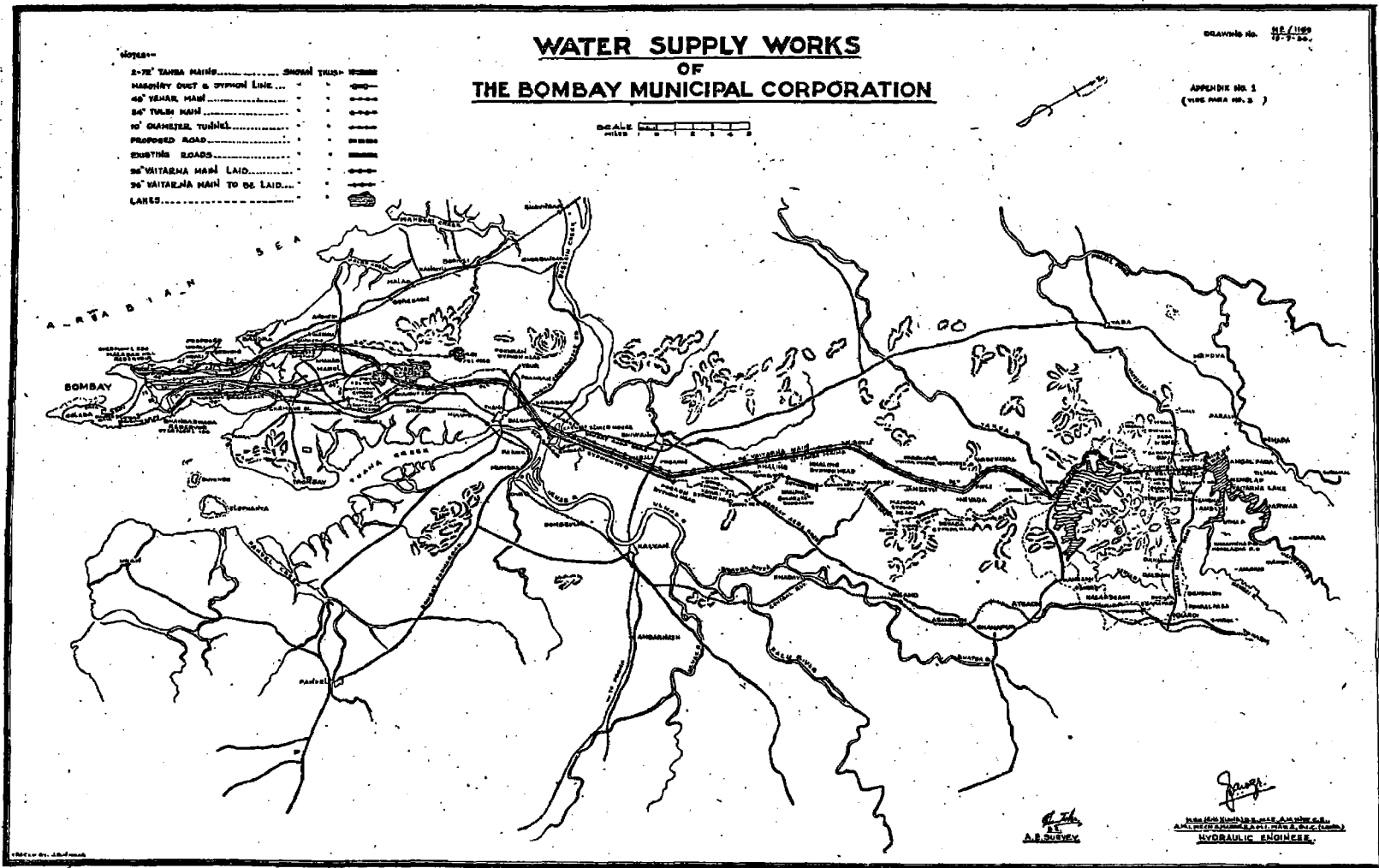
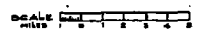
HYDRAULIC ENGINEER.

# WATER SUPPLY WORKS OF THE BOMBAY MUNICIPAL CORPORATION

DRAWING No. 82/1159  
11-7-22.

APPENDIX No. 1  
(SEE PAGE No. 2)

- Notes—
- 2-72" TRUNK MAINS..... SHOWN THUS.....
  - 18" MAINS..... SHOWN THUS.....
  - 12" MAINS..... SHOWN THUS.....
  - 8" MAINS..... SHOWN THUS.....
  - 4" MAINS..... SHOWN THUS.....
  - PROPOSED ROADS..... SHOWN THUS.....
  - EXISTING ROADS..... SHOWN THUS.....
  - 36" VAITARNA MAIN LAID..... SHOWN THUS.....
  - 36" VAITARNA MAIN TO BE LAID..... SHOWN THUS.....
  - LANES..... SHOWN THUS.....



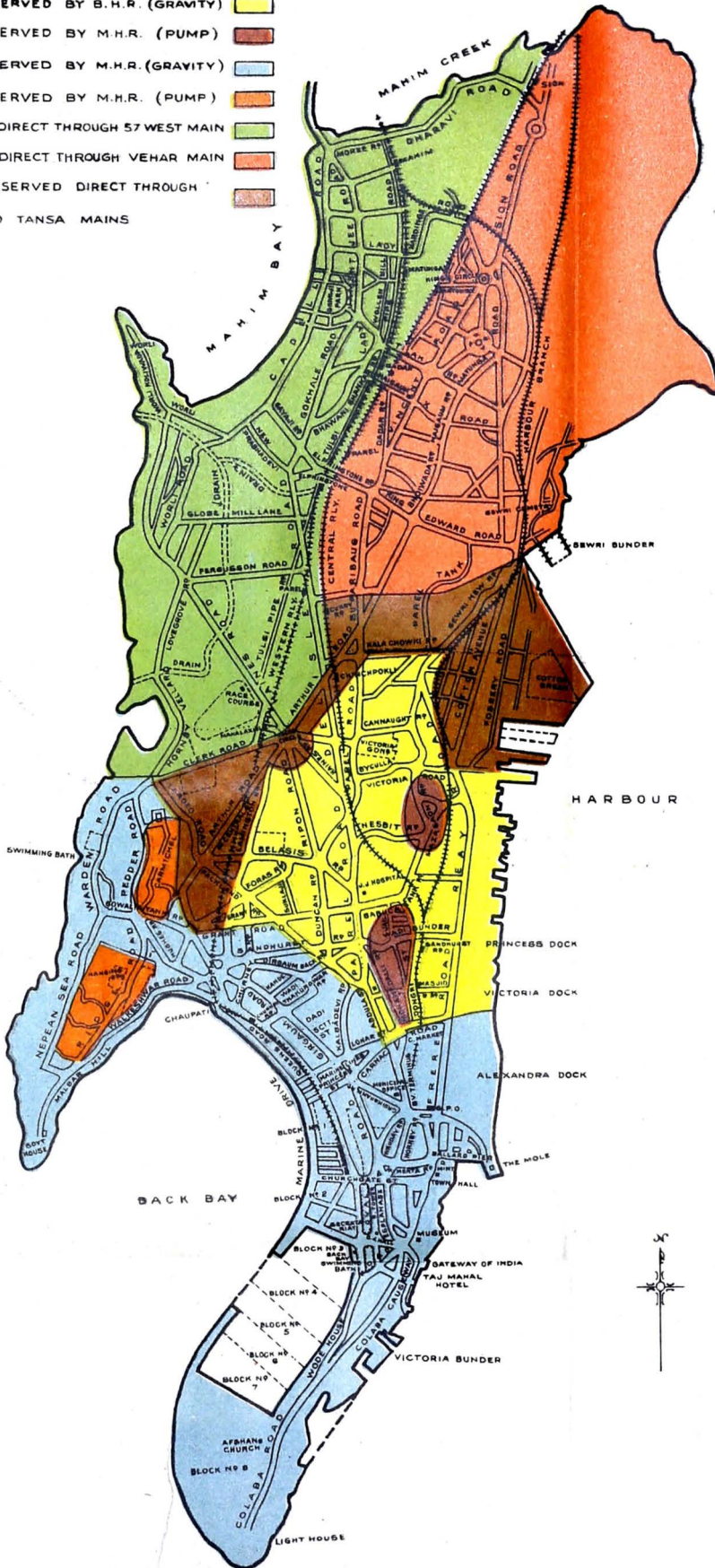
A. S. SURVEY

*[Signature]*  
 CIVIL ENGINEER  
 HYDRAULIC ENGINEER

# ZONES OF WATER SUPPLY

APPENDIX II  
(VIDE PARA No. 3 & 42).

- 1) AREA SERVED BY B.H.R. (GRAVITY)
- 2) AREA SERVED BY M.H.R. (PUMP)
- 3) AREA SERVED BY M.H.R. (GRAVITY)
- 4) AREA SERVED BY M.H.R. (PUMP)
- 5) G WARD DIRECT THROUGH 57 WEST MAIN
- 6) F WARD DIRECT THROUGH VEHAR MAIN
- 7) AREA SERVED DIRECT THROUGH 48" OLD TANSA MAINS



## APPENDIX III

(Vide Para 4)

## Supply Statistics (1954-55)

(1) Quantity of water supplied to the Greater Bombay during the year in million gallons	...	48,822.40
(2) Quantity of water supplied to the City proper during the year in million gallons	...	43,890.40
(3) Quantity of water supplied to the Greater Bombay during the previous year in million gallons	43,949.50	
(4) Increase over the previous year's supply in million gallons	... ..	4,872.90
(5) Quantity of water supplied to the Thana Municipality in million gallons not included in Item 1 above	... ..	140.85
(6) Total quantity of water supplied to all concerns outside the limits of Greater Bombay in million gallons, including Item No. (4) above	... ..	270.59
(7) Average daily supply during the year in million gallons to City proper	... ..	120.04
(8) Average daily supply during the year in million gallons to Greater Bombay	... ..	133.76
(9) Average daily supply during the previous year in million gallons to Greater Bombay	... ..	120.41
(10) Increase over previous year's average daily supply in million gallons to Greater Bombay	... ..	13.35
(11) Population of the City as per Census Report of 1951	... ..	23,31,955
(12) Population of Suburbs as per Census Report of 1951	... ..	5,10,151
(13) Population of Greater Bombay as per Census Report of 1951	... ..	28,42,116
(14) The maximum supply per day during the year in million gallons on 19th January 1955	... ..	412.70
(15) The minimum total supply per day during the year in million gallons on 15th May 1954	... ..	121.70
(16) Total quantity conveyed by the two 72" mains during the year in million gallons	... ..	32,750.50
(17) Average quantity of water conveyed daily by the 72" mains in million gallons	... ..	89.73
(18) Total quantity of water conveyed by the Duct during the year in million gallons	... ..	6,552.70
(19) Average quantity of water conveyed daily by the Duct in million gallons	... ..	17.95
(20) Total quantity of water conveyed by the 48" Vehar main during the year in million gallons from Vehar Lake	... ..	7,997.00
(21) Average quantity of water conveyed daily by the 48" Vehar Main in million gallons from Vehar Lake	... ..	21.91
(22) Total quantity of water conveyed by the 24" Tulsi Main during the year in million gallons	... ..	1,522.20
(23) Average quantity of water conveyed daily by the 24" Tulsi main during the year in million gallons.	... ..	4.17
(24) Quantity of water supplied in million gallons for domestic purposes during the year to the City	... ..	31,409.60
(25) Quantity of water supplied in million gallons for domestic purposes during the year to Suburbs	2,955.00	
(26) Quantity of water supplied in million gallons for domestic purposes during the year to Greater Bombay	... ..	34,364.60
(27) Average quantity of water in gallons supplied for domestic purposes per head per day (Census of 1951) to the City	... ..	36.80
(28) Average quantity of water in gallons supplied for domestic purposes per head per day (Census of 1951) to Suburbs	... ..	15.80
(29) Average quantity of water in gallons supplied for domestic purposes per head per day (Census of 1951) to Greater Bombay	... ..	33.00
(30) Average daily supply (for all purposes) in gallons per head per day to the City	... ..	51.60
(31) Average daily supply (for all purposes) in gallons per head per day for Suburbs	... ..	26.50
(32) Average daily supply (for all purposes) in gallons per head per day for Greater Bombay	... ..	47.06
(33) Percentage of water supplied for domestic purposes to total supply in Greater Bombay	... ..	70.20
(34) Percentage of water supplied for other purposes to total supply in Greater Bombay	... ..	29.80

## APPENDIX IV

(Vide Para 4)

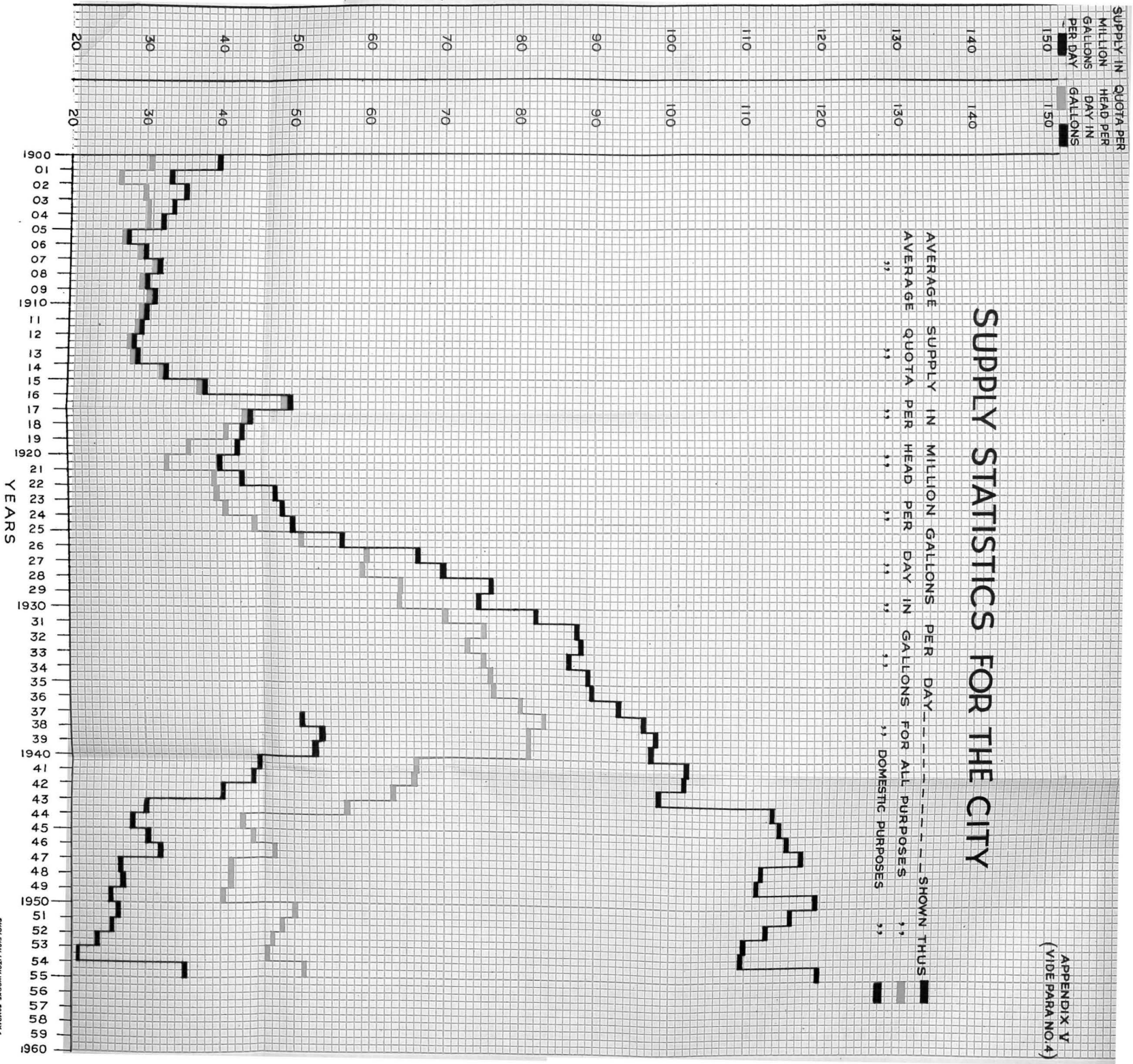
Statement showing Quantity of water used for different purposes during the year 1954-55.

Particulars	Quantity in million gallons	Percentage	REMARKS
(1) Milch Cattle Stables	39.84	0.090	Metered
(2) Other Stables	14.89	0.035	"
(3) Textile Mills	3,634.64	8.300	"
(4) Dyeing, Printing and Bleaching Mills	377.04	0.860	"
(5) Gymkhanas, Playgrounds etc.	70.38	0.165	"
(6) Race Course	62.80	0.149	"
(7) Industries	1,009.49	2.280	"
(8) Laundries and Dhobighats	131.69	0.300	"
(9) Lodging and Boarding Houses	191.97	0.436	"
(10) Hotels	61.42	0.140	"
(11) Restaurants	488.32	1.111	"
(12) Flour Mills	15.97	0.038	"
(13) Private Hospitals	17.27	0.039	"
(14) Aarey Milk Colony	585.85	1.325	"
(15) Railways	829.29	1.890	"
(16) Bombay Port Trust	602.20	1.380	"
(17) Private Markets	17.58	0.040	"
(18) Bakeries	30.81	0.070	"
(19) B. E. S. & T. Undertaking Properties	36.07	0.082	"
(20) Municipal Dhobighats	75.68	0.173	"
(21) Cultivating Lands	1.60	0.003	"
Total Supply by Meter Measurement for Trades	8,294.70	18.906	
(22) Building Works	301.34	0.687	Unmetered
(23) Fire Purposes	2.03	0.004	"
(24) Leakage detected and remedied	3,173.00	7.230	Vide App. No. XIX
(25) Road Construction	0.56	.001	"
(25) Road Watering and Cleaning Gully	0.04	...	"
(27) Gully Flushing	41.00	0.093	"
(28) Miscellaneous such as, Drainage and Sewerage Works, Public Conveniences, Hospitals, Charitable Institutions	668.13	1.500	"
Total Supply for Public Purpose	4,186.10	9.515	
(29) Domestic Supply to City—			
(a) Metered	3,955.42		Per Capita Consumption for domestic purposes is 36.80 gallons per head per day.
(b) Unmetered	27,454.18		
Total Quantity of Water Supplied to the City	31,409.60	71.579	
Suburbs—			
(a) Domestic	2,955	60.50	Per Capita Consumption for domestic purposes is 15.80 gallons per head per day.
(b) Non-domestic	1,977	39.50	
Total Quantity of Water Supplied to Suburbs	4,932.00	100.00	

Note.—The total quantity of water supplied to the City and Suburbs i.e., Greater Bombay was 48,822.40 million gallons.



# SUPPLY STATISTICS FOR THE CITY



SMALL SIDE LITTON WORKS, BOMBAY

## APPENDIX No. VI

## Statistics of the Lakes for 1954-55.

Serial No.	Particulars.	Tanna.	Vehar.	Tulsi.	Powai.
1	Distance from Bombay (Town Hall) in miles by road	66	18	22	17
2	Water spread 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	114.25	146.53	160.88	157.25
5	Average rainfall of the preceding 5 years	94.05	93.25	107.85	99.69
6	Number of wet days	111	105	101	101
7	Decrease and increase in rainfall as compared with average of preceding 5 years	+20.20	+53.28	+53.03	+57.64
8	(a) Number of days in which rainfall was exceeded but was between 1" and 2"	17	9	13	5
	(b) Number of days in which rainfall was between 2" and 3"	6	10	11	7
	(c) Number of days in which rainfall exceeded 3"	11	18	20	22
9	Maximum rainfall per day in inches	10.10	8.15	8.28	9.48
10	Date of maximum rainfall	3-7-54	2-7-54	7-8-54	2-7-54
11	The lake commenced to overflow when the rainfall amounted to inches	64.93	111.72	79.25	43.10
12	Date on which the lake started overflowing	8-8-54	2-9-54	1-8-54	6-7-54
13	Number of days the lake overflowed	29	31	51	87
14	Number of times the lake overflowed	7	2	2	3
15	Quantity of water that overflowed over the waste-weir in million gallons	28,216	2,449	2,489	...
16	Quantity of water overflowed equivalent to number of days of supply	210	18	18	...
17	Full 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.	422.17	265.50	458.66	195.40
20	Date on which the highest level was reached	1-9-54	6-9-54	7-8-54	7-8-54
21	Lowest drawable levels.	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.	388.63	238.75	428.84	185.07
24	Date on which the lowest level was reached	20-6-54	19-6-54	20-6-54	19-6-54
25	Contents of the lake at the lowest level reached in million gallons	7,790	1,566	478	316
26	Contents of the lake at lowest drawable levels in million gallons	5,403	713	524	...
27	Useful storage carried over for the next year	2,387	853	46	...
28	Quantity of water required to fill up the lakes, to full supply level from the lowest level reached, in million gallons	32,870	7,554	1,817	...
29	Percentage run off into the lake from the catchment as per rainfall registered at the lake	87.47	71.15	76.17	...
30	Quantity of water brought into the City and Suburbs during the year in million gallons	39,303.20	7,997.00	1,522.20	...
31	Quantity of water brought into the City and Suburbs per day in million gallons	107.68	21.91	4.17	...
32	Total loss of water due to evaporation, leakage and absorption in million gallons during the dry-period of 8 months	60.77	10.97	5.46	...
33	Average loss of water per day due to evaporation and other losses during the dry months in million gallons (8 months)	25.01	4.51	2.24	...
34	Total loss of water due to evaporation only in million gallons (vide Appendix VII)	3,312.27	936.77	205.80	...
35	Average loss of water per day due to evaporation only in million gallons for the period stated in Item 34 above	15.62	4.42	0.97	...

## APPENDIX No. VIII

Quantity of water lost by evaporation alone at the lakes.

Month.	EVAPORATION IN FEET.			EVAPORATION IN MILLION GALLONS.		
	Tansa.	Vehar.	Tulsi.	Tansa.	Vehar.	Tulsi.
1954—						
April	0.524	0.538	0.453	445.64	138.78	26.88
May	0.659	0.576	0.544	509.06	130.48	26.46
June						
July						
August		Not recorded			Not recorded	
September						
October						
November	0.408	0.443	0.418	514.51	156.20	35.70
December	0.404	0.385	0.423	470.32	129.58	33.18
1955—						
January	0.409	0.403	0.403	493.96	130.80	29.20
February	0.377	0.374	0.364	424.27	113.22	24.48
March	0.430	0.468	0.462	454.51	137.71	29.90
Total	3.211	3.187	3.097	3312.27	936.77	205.80

Grand Total : 4454.84 million gallons in dry season=21.01 million gallons per day.

## APPENDIX No. IX

(Vide Para 8)

*Extra-ordinary Works taken up from different grants for repairs and Maintenance in Outside City Division*

- (1) Repairs to Tulsi Filters.
- (2) Regrading the 24" Tulsi Mains.
- (3) Patch plating the leaks on the steel mains Outside City.
- (4) Removing shrubs and grass from the down-stream side of the Tansa Dam.  
Replacing planks over bridges and culverts in Outside City Division with 2" Reinforced Cement Concrete Slabs.  
Repairs to embankment carrying 48" Vehar Main at Kurla from Rasiwalla Bridge to Thana Road Cabin
- (5) Repairs to coagulating tanks at Tulsi Filters.
- (6) Strengthening the expansion joints on steel mains in Outside City Division.
- (7) Repairs to the segmental concrete bedding under steel mains at abutment of open culvert in O. C. Div.
- (8) Renewal of Penstock Gate and repairs to Syphon Head Chowky at Powai North
- (9) Improving the embankment of trolley track between Mahim Cabin and Railway line in Bandra Creek
- (10) Renovating the Tulsi Catchment Channels.
- (11) Reconstruction of open top culvert in Mile 42/3 in the Powai Syphon.
- (12) Repairs to overbridges at Miles 8/1, 8/3, 16/2 and 22/0 in Jamboli Division (along the Duct Line).
- (13) Renewal of teak wood planks over the foot bridges of New Kasheli Bridge.
- (14) Providing additional pitching and repairing the East side of the embankment carrying the 50' and the 48" Tansa Mains in Syphons No. 6 from Pogaon to Pokhram Syphon Head in Kasheli Division.
- (15) Repairs to culvert at mile 8/1, Newada Syphon.
- (16) Reconstructing the damaged retaining wall of Ghatkoper Western Boundary.
- (17) Renewing the teak wood sleepers of the 50 span and 6 span open top bridges at miles 28/3 and 27/6 in Jamboli Division.

RAINFALL IN INCHES

160  
140  
120  
100  
80  
60  
40  
20

1887  
88  
89  
90  
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92  
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1900  
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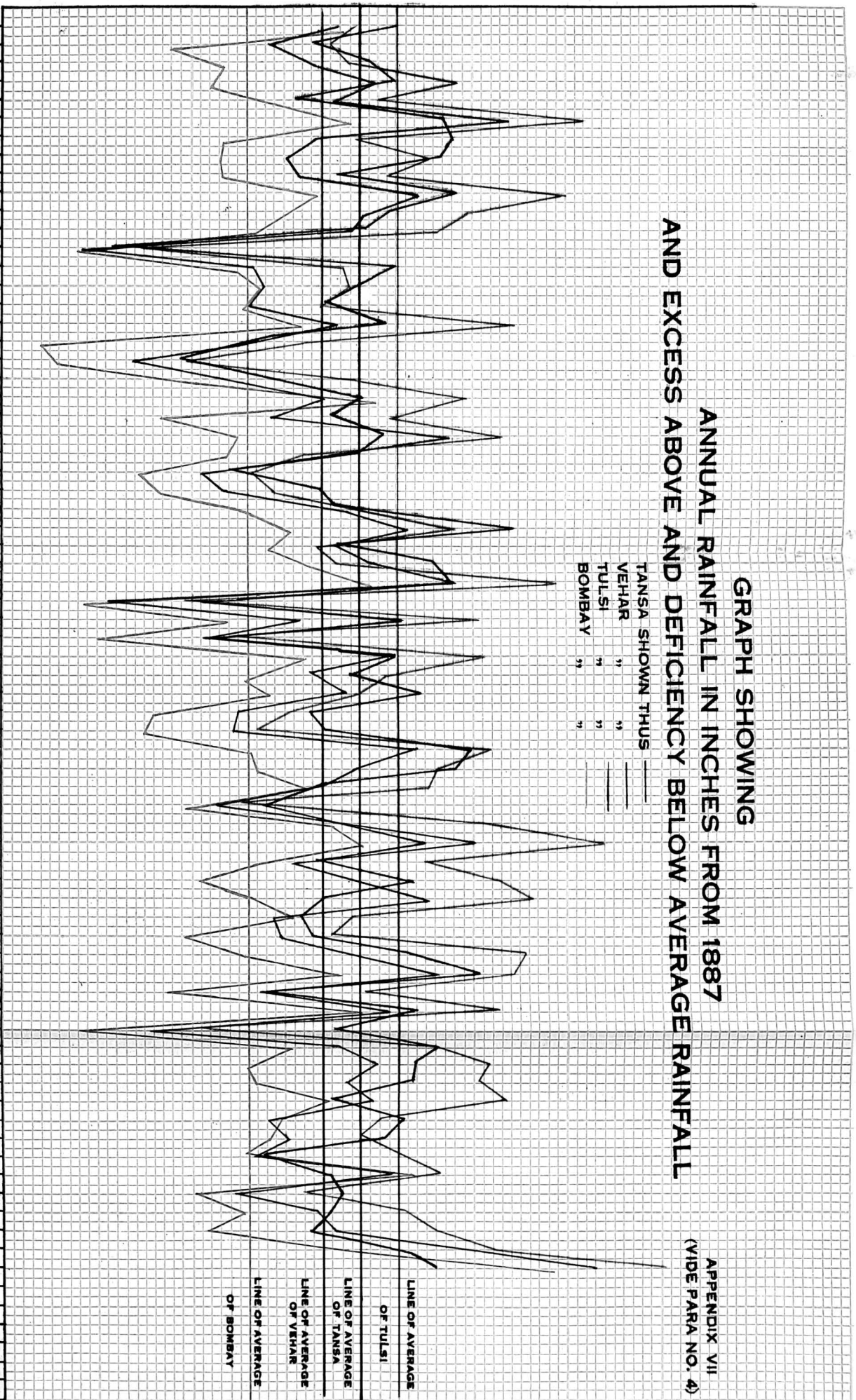
YEARS

GRAPH SHOWING  
ANNUAL RAINFALL IN INCHES FROM 1887  
AND EXCESS ABOVE AND DEFICIENCY BELOW AVERAGE RAINFALL

TANSA SHOWN THUS ———  
VEHAR " " "  
TULSI " " "  
BOMBAY " " "

LINE OF AVERAGE  
OF TULSI  
LINE OF AVERAGE  
OF TANSA  
LINE OF AVERAGE  
OF VEHAR  
LINE OF AVERAGE  
OF BOMBAY

APPENDIX VII  
(VIDE PARA NO. 4)



## APPENDIX No. X

(Vide Para 9).

*Plants, Machinery and Tools in the Outside City Division.*

(1) Petrol driven motor trolleys of Drewry, Buda, Ford type etc.	... 18 Nos.
(2) "Ruston" Diesel Locomotive	... 1 No.
(3) "Bedford" Petrol Truck	... 1 No.
(4) Willy's Jeep	... 1 Nos.
(5) Portable "Lincoln" Arc Welding Sets	... 2 Nos.
(6) Portable "Pethow" Arc Welding Set	... 1 No.
(7) Portable "G. P. T." Compressor Unit	... 1 No.
(8) Portable 6" "Pegson" Pumping Unit	... 1 No.
(9) Portable 2" "Pegson" Pumping Unit	... 1 No.
(10) Portable 2" "Wisconsin" Pumping Unit	... 1 No.
(11) Portable "Miller's" concrete Mixers	... 2 Nos.
(12) Portable "Parker" Concrete Mixers	... No.
(13) 110 Volt, D. C. Diesel Generating Set at Tansa	... 1 No.
(14) 110 Volt, D. C. Kerosene Generating Set at Vehar	... 1 No.
(15) Inboard Diesels Engine for Boats	... 2 Nos.
(16) Outboard Petrol Engines for Boats	... 3 Nos.
(17) Venturi Meters A/M Type	... 9 Nos.
(18) Pump Houses (Vehar and Tansa)	... 2 Nos.
(19) Chlorination Plants	... 4 Nos.
(20) Power House at Tansa	... 1 No.

## APPENDIX No. XI

(Vide Para 10)

*Particulars of structures maintained in Outside City Divisions.*

Category	Nos.
Inspectors Bungalows, Pavilions etc.	... 16
Staff Quarters	... 20
Labour Chawls	... 62
Office Buildings	... 5
Cabins	... 6
Sluice Houses	... 19
Sotres and Workshops	... 41
Venturi House	... 4
Chlorination Plant	... 2
Filtration Houses	... 1
Pump and Engine Houses	... 6
Garages	... 11
Linemen's and Watchmen's Cabins	... 21
<b>Total</b>	<b>... 224</b>

## APPENDIX No. XII

(Vide Para 23)

*List of Bursts during 1954-55.*

Serial No.	Size	Location	Date
1	48"	Suparibaug Road	... 1-4-1954
2	48"	Do.	... 3-4-1954
3	3"	Kalbadevi Road	... 12-4-1954
4	48"	Suparibaug Road	... 17-4-1954
5	9"	Tulsi Pipe Line Road	... 28-4-1954
6	9"	Arthur Road	... 26-6-1954
7	9"	Parel Road	... 3-7-1954
8	4"	Matunga Road	... 5-7-1954
9	4"	Tulsi Pipe Line Road	... 9-7-1954
10	3"	Wood house Road	... 11-8-1954
11	6"	Nawab Tank Road	... 23-9-1954
12	9"	Jacob Circle	... 25-9-1954
13	9"	Fanaswadi	... 12-10-1954
14	6"	Mogal Lane	... 26-11-1954
15	3"	Tulsi Pipe Line Road	... 30-12-1954
16	4"	Haines Road	... 18-1-1955
17	3"	Dada Shaheb Falke Road	... 19-2-1955
18	24"	Haines Road	... 21-3-1955

## APPENDIX No. XIII

(Vide para 26)

*Details of consumer's pipes cleaned in F Wards During the Year 1954-55*

Size of connection.	No. of connections cleaned.	Length of pipes cleaned in R.ft.
$\frac{1}{2}$ "	139	64,400
$\frac{3}{4}$ "	391	95,672
1"	231	45,839
$1\frac{1}{4}$ "	50	8,301
$1\frac{1}{2}$ "	12	2,970
2"	1	230
<b>Total</b>	<b>814</b>	<b>2,17,412</b>

## APPENDIX No. XIV

(Vide para 27)

Details of Communicating pipes cleaned in F Ward during the year 1954-55.

Size of connections.	No. of connections.		
	Full of moss shells incrustation.	Connections found broken.	Total.
½"	237	72	309
¾"	545	131	676
1"	322	46	368
1¼"	77	13	90
1½"	12	3	15
2"	6	1	7
Total ..	1,199	266	1,465

## APPENDIX No. XV

(Vide Para 37)

Particulars of Municipal meters in the City.

Size of meters	Nos.
½"	3,561
¾"	2,003
1"	1,380
1½"	667
2"	509
3"	324
4"	329
6"	30
8"	30
Total ...	8,833

## APPENDIX No. XVI

(Vide Para 45)

Hours of Supply in Different Localities. (All timings indicated in Standard Time). ✓

Serial No.	Locality	Hours of Supply.
1	Areas served by Malabar Hill and Bhandarwada Hill Reservoirs, except Colaba and Fort.	5-00 P.M. to 7-30 A.M. 8-00 P.M. to 11-00 P.M.
2	Colaba and Fort Area	... 7-00 P.M. to 7-30 A.M.
3	Pump supply to Gibbs Road and Ridge Road	... 8-00 P.M. to 7-30 A.M. 5-00 P.M. to 5-30 P.M.
4	Direct supply to Peddar Road and Warden Road Area	... 5-00 P.M. to 8-00 P.M. 11-00 P.M. to 11-00 A.M.
5	Pump supply to Mazagaon Area	... 6-00 P.M. to 8-00 P.M.
6	Pump supply to Dongri Area	... 8-00 P.M. to 11-00 P.M.
7	Direct supply to 'F' and 'G' Wards	... 8-00 P.M. to 11-00 P.M. 5-00 A.M. to 7-30 A.M.
8	Direct supply to Worli Sea Face and Pochkhanawalla Road	... 5-00 P.M. to 11-00 A.M.

## APPENDIX No. XVII

(VIDE PARA No. 47)

*Statement Showing Short Supply Complaints in the City.*  
(For the last 18 years)

Months	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	1953-54	1954-55
April ...	351	230	345	750	147	481	280	307	396	440	479	931	1,317	1,145	1,369	1,969	1,726
May ...	342	275	440	420	196	352	276	287	335	520	458	1,208	1,390	1,273	1,388	2,067	1,694
June ...	150	235	390	322	540	333	304	312	345	610	483	771	1,277	1,385	1,412	1,982	1,621
July ...	93	260	151	345	204	281	196	210	356	441	530	1,112	1,311	1,288	1,336	1,834	1,200
August ...	105	158	122	240	211	131	232	217	280	320	569	851	1,143	1,567	1,285	1,797	912
September	183	195	150	360	108	115	174	250	230	329	682	931	1,143	1,538	1,280	1,695	858
October ...	103	212	130	620	220	201	421	361	277	425	730	877	1,400	1,773	1,340	2,245	1,094
November	140	222	180	518	227	332	472	387	289	304	593	929	1,448	1,211	1,304	1,819	975
December	142	152	140	360	184	159	268	217	328	351	546	928	1,169	1,175	1,467	2,058	872
January ...	125	160	225	221	138	131	230	192	328	296	438	776	1,285	1,153	1,215	1,924	678
February	120	120	170	292	188	135	171	211	305	296	598	916	1,242	1,206	1,349	1,908	823
March ...	195	135	485	211	352	232	246	272	458	456	728	920	1,322	1,197	1,712	2,127	1,167
Total ...	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	23,425	13,629

## APPENDIX No. XVIII

(Vide para 57)

*Statistics of the work done by the rewashing staff during the year 1954-55.*

Ward.	No. of re- washing Mukadams.	No. of houses inspected.	No. of taps inspected.	No. of taps re- washed.	Per centage of 5 to 4.	No. of other defe- cts found	No. of Notices issued.	No. of Court action taken.	No. of taps renewed
1	2	3	4	5	6	7	8	9	10
A ...	2	3,311	69,516	7,003	10%	265	177	2	19
B ...	2	4,030	31,402	7,624	24%	354	279	3	84
C ...	2	4,861	30,574	7,754	25%	530	377	4	65
D ...	2	3,590	47,869	7,141	17%	338	241	2	39
E ...	2	6,108	39,199	6,469	16%	992	475	1	246
F ...	2	4,103	55,597	7,059	12%	880	507	14	300
G ...	2	6,565	40,540	6,263	15%	1,094	404	2	340
Total ...	14	32,568	3,14,697	49,313		4,453	2,460	28	1,093



APPENDIX No. XIX

Statement of defects found on mains and service pipes during the year 1954-55.

		DEFECTS.																				
Month	leakage in million gallons.	UNDER GROUND										ABOVE GROUND									Miscellaneous	REMARKS.
		Mains		Sluice Valves.	Hydrants	Service Pipes.	Stop Taps.	Ferrule leak.	Meter leak.	Miscellaneous Holes in Mains. etc.	Bib Taps			Service Pipes		Ball Valves and Tanks			Stop Taps leaking.			
		Bursts.	Joints.								Re-washed	Out of order.	Hydrant open.	Leaking.	Without Tap.	B. V. out of order.	Tanks without B. Va.	Tanks leaking.				
1954--																						
April	221.20	...	4	102	122	301	125	124	136	64	3,862	272	164	240	102	198	119	104	47			
May	211.00	1	...	104	139	285	105	62	102	61	5,014	341	147	237	97	175	139	104	58			
June	239.00	1	2	118	162	259	105	40	137	82	4,877	299	114	239	119	162	130	126	43			
July	274.40	2	...	136	183	380	134	95	105	106	5,581	282	111	276	89	233	123	161	61			
August	298.30	...	6	122	113	295	113	113	167	47	4,381	359	184	294	112	271	151	100	65			
September	229.00	...	2	140	105	270	101	105	144	65	4,641	284	146	313	78	183	144	120	57			
October	274.00	1	2	140	151	292	130	75	173	71	4,665	306	138	316	114	205	189	106	70			
November	302.50	2	7	167	104	398	133	63	77	40	4,059	342	173	324	95	286	259	145	64			
December	370.30	...	8	167	150	295	152	79	149	49	5,243	254	208	308	94	250	189	141	47			
1955--																						
January	288.30	5	3	162	103	330	105	57	127	48	5,282	239	168	310	95	258	239	200	109			
February	206.60	1	...	126	95	302	96	54	150	61	4,767	228	154	290	90	192	166	149	73			
March	258.40	1	2	122	117	298	109	79	199	64	4,970	314	177	282	130	233	185	187	60			
<b>Total</b>	<b>3173.00</b>	<b>14</b>	<b>36</b>	<b>1,606</b>	<b>1,544</b>	<b>3,705</b>	<b>1,408</b>	<b>946</b>	<b>1,666</b>	<b>668</b>	<b>57,342</b>	<b>3,520</b>	<b>1,884</b>	<b>3,429</b>	<b>1,215</b>	<b>2,646</b>	<b>2,033</b>	<b>1,643</b>	<b>754</b>			

Total underground defects detected 11,593  
 Total above ground defects detected 74,466

## APPENDIX

## Works carried out by Construction Branch

Serial No.	Item No.	Name of Work	24"	21"	20"	18"
1	2	Conversion gradually of an adequate number of underground out of the existing 4,849 underground Hydrants into S. P. Hydrants to prevent pollution of the City Water Supply.	...	...	...	...
2	3	Providing water mains with Hydrants etc., in the layout of Roads in Scheme No. 57, Sewri-Wadala.	...	...	...	...
3	6	Providing Hydrants in roads where there are no Hydrants or where additional Hydrants are necessary.	...	...	...	...
4	29	Laying water mains in Sion Matunga Scheme No. 6	...	...	...	...
5	31	Providing a 9" water main in Yadhavji Patil Road and Palkiwadi (G Ward).	...	...	...	...
6	33	Providing a 6" C.I. main with 3" G.I. Branches from 9" main in Maulana Abdul Gaffarkhan Road upto dead end of the existing 6" main in Worli Koliwada (G Ward).	...	...	...	...
7	39	Enlarging all the 3"-4" water mains in A Ward to suitable sizes	...	...	...	...
8	49	Enlarging the existing 6" main in Parel Tank Road to 9" and connecting it to 24" main in Jerbai Wadia Road and 18" main in Kalachowki Road.	...	...	...	...
9	68	Providing a 4" water main for gardening purposes at Malabar Hill...	...	...	...	...
10	69	Enlarging the existing 6" main in Khetwadi Main Road to 12"	...	...	...	...
11	70	Laying a 12" main in Shankarrao Pupala Road (E Ward)	...	...	...	...
12	71	Laying a 9" main in Ripon Road from Bellasis Road to Moreland Road.	...	...	...	...
13	72	Enlarging the 6" water main in Western footpath of Clare Road and extending it to join the 36" main.	...	...	...	...
14	80	Providing water mains for Antop Village Housing Scheme for non schedule staff of B. P. T.	...	...	...	...
15	88	Extending the 5" main in Mangalwadi off Girgaum Road	...	...	...	...
16	96	Laying 24" main in Charni Road from Khetwadi to Sandhurst Road	387'	19'	43'	...
17	102	Shifting of daily operated Sluice Valves in roads under heavy traffic	...	...	...	31'
18	103	Extension of 6" main in Telwadi through Satta Gully	...	...	...	...
19	104	Laying 3" Hydrant mains in Sonapur Cross Lane	...	...	...	...
20	105	Laying 3" Hydrant main Sorabji Santoke Lane	...	...	...	...
21	107	Extending 6" main with Hydrants etc., in Road No. 50 of Scheme No. 57 (Sewri Wadala).	...	...	...	...
22	112	Laying 5" main in Ripon Road Cross Lane to be connected to the 6" main in Ripon Road.	...	...	...	...
23	113	Laying 6" water mains in Falkland Road 5th, 7th and 8th Cross Lane	...	...	...	...
24	116	Laying 6" water main in Public passage off Durga Street (G Ward)	...	...	...	...
25	117	Laying a 6" water main in road leading to Kala Killa off Dharavi Road.	...	...	...	...
26	120	Laying 6" main in East foot path of Queen's Road from Veer Nariman Road to 1st Marine Street.	...	...	...	...
27	121	Laying 6" main in Dhabholkarwadi off Parel Tank Road	...	...	...	...
28	122	Laying 3" Hydrant main in Nabiulla Recd	...	...	...	...
29	124	Laying 6" main in Mutter Gully	...	...	...	...
30	125	Laying 6" main in Lad Wadi	...	...	...	...
31	128	Laying 5" water main in Gowli Wadi	...	...	...	...

No. XX (Vide Para 62)  
 Inside City during 1954-55.

LENGTH LAID						S. P. Hydrants	P. G. Box	Trans- ferred House Con- nections	REMARKS
12"	9"	6"	5"	4"	3"				
...	...	...	...	...	30'	17	...	...	
...	944'	1215'	...	...	124'	18	...	9	
...	...	697'	...	...	820'	33	...	27	
203'	1294'	990'	...	...	33	11	...	37	
...	...	...	...	...	...	...	1	...	
...	...	...	...	...	2252'	5	1	73	
310'	...	4068'	...	...	...	2	...	16	
...	88'	47'	...	...	5'	...	...	12	
...	...	...	...	395'	...	2	...	...	
643'	...	56'	...	...	...	...	...	11	
958'	...	31'	...	...	21'	1	...	40	
...	477'	24'	...	...	...	...	...	10	
1123' (8" main)	15'	64'	...	...	9'	...	...	36	
...	756'	1937'	...	...	27'	5	...	...	
...	...	36'	266'	...	12'	2	...	25	
...	...	39'	...	...	...	...	...	...	
98'	...	5'	...	...	...	...	...	...	
...	...	319'	...	...	...	1	...	47	
...	...	...	...	...	455'	2	...	19	
...	...	...	...	...	217'	1	...	17	
...	...	421'	...	...	34'	2	...	...	
...	...	262'	...	...	...	1	...	6	
...	...	587'	...	...	...	5	...	30	
...	...	324'	...	...	...	2	...	23	
...	...	472'	...	...	209'	2	...	9	
...	...	3527'	...	...	...	6	...	...	
...	...	907'	...	...	823'	3	...	6	
...	...	...	...	...	203'	2	...	4	
...	...	172'	...	...	...	1	...	...	
...	...	128'	...	...	...	1	...	9	
...	...	206'	...	...	...	1	...	11	

## APPENDIX No. XXI

(Vide Para 63)

*List of Private Parties Works carried out by Construction Branch (inside City) during 1954-55.*

- (1) Making a 3" connection in Worli Sonapur Lane for the Chemist, Atomic Research Commission.
- (2) Making a 3" connection in Mount Pleasant Road for Shri J. J. Jain, Secretary, Gautam Sarabhai Ltd.
- (3) Making a 6" connection in Globe Mill Passage for the Manager, Shri Madhusudan Mills.
- (4) Making a 3" connection in Cadell Road for 'Bela-Vista' and 'Gul-Vaill', Shri S. A. H. Kadri.
- (5) Making a 3" connection in Foras Road for the Manager, The Calico Processors Ltd.
- (6) Connecting the existing 3" connection to the newly laid 3" pipe line inside the premises known as 'Soona Mahal' for Messrs. S. V. Sidhwa & others.
- (7) Making a 4" connection in Lamington Road for the Chief Accountant, Reserve Bank of India.
- (8) Enlarging the existing 4" to 6" in Victoria Garden Road for Shri Hirji Govindji.
- (9) Making a 3" connection in Parel Tank Road for Shri Ardeshir H. Wadia.
- (10) Making a 4" connection in Globe Mill Passage for the Manager Sadhana Textile Mills.
- (11) Making a 6" connection in Tulsi Pipe Road for Kamala Mills Ltd.
- (12) Making a 4" and 6" connections in Tulsi Pipe Road for the Manager Phoenix Mills Co. Ltd.
- (13) Making a 4" connection in Mazagaon Road for the General Manager, Wallace Flour Mills Co. Ltd.
- (14) Making a 4" connection in Bhawani Shankar Road for Central Co-operative Housing Society Ltd.
- (15) Making a 6" connection in Globe Mill Passage for the Century Spinning and Manufacturing Co. Ltd.
- (16) Making a 3" connection in Sion Road (East) for Shri Godrej P. Joshi.
- (17) Making a 4" connection in Sewree Station Road for Chawl Nos. 5 to 16—Executive Engineer, P.W.D.
- (18) Existing two 3" connections enlarged to 6" at Worli Neighbourhood Chawls—Executive Engineer, Housing Bombay West.
- (19) Enlarging 2" connection to 3" for Messrs. Hind Cycles Ltd.
- (20) Making a 3" connection for 'Khalak Dina' Terrace at Gowalia Tank Road for Shri Dubash.
- (21) Making a 4" connection for Bharat Nagar at Grant Road for Shri Ishwardas Haridas.
- (22) Making a 4" connection for Cama Hospital for the Executive Engineer, Presidency Division.
- (23) Making a 2" connection in Old Prabhadevi Road for the Elphinstone Dye Works Ltd.
- (24) Making a 3" connection for Shiwaji Nagar in DeLisle Road for Shrimati Mohinibai I. Bhatia.
- (25) Making a 2" connection in Lamington Road for Shri T. M. Gandhi.
- (26) Making a 6" and 4" connections in Globe Mill Passage for Messrs. Hall & Anderson Ltd.
- (27) Making a 6" connection at Cusru Baug, 7th Colaba Causeway for the Secretary, N. M. Wadia Trust.
- (28) Making a 4" connection in Victoria Road on behalf of the Secretary, R. N. Wadia Trust.
- (29) Construction of a drinking fountain at Shankarrao Pupala Road for Shri Narsayya Yellapa Ekkaldevi.
- (30) Providing a fountain at Dimtimkar Street junction Huzaria Street for Shri Cawasji Jehangir Bart.

## APPENDIX No. XXII

(Vide Para 71)

*Particulars of water-mains laid by works Branch in 1954-55.*

Size of Main	Length laid during the year	Locality covered	Whether departmentally or by contract
57" Steel	190'	Veer Nariman Road	... Departmentally
48" Steel	5372'	Netaji Subhash Road	... Contract
...	543'	Veer Nariman Road	... Departmentally.
36" Steel	138'	Flora Fountain	... Do.
30" Steel	787'	Thakurdwar Road	... Do.

# BOMBAY FIRE BRIGADE

1. Shri M. G. Pradhan was in charge of the department during the year under report.

2. **Calls.**—During the year, Fire Brigade Department attended 1286 calls and of these 902 calls were for 749 actual fires. Special services were also rendered by the Brigade on 172 occasions, such as attending to house collapses and rescuing trapped people from debris, on pumping out flooded basements during monsoons etc. The number of false calls recorded was 212 of which 71 calls were due to mischievous interference with fire alarms, 23 were given with good intentions and 118 were due to defects in the Fire Alarms system. Summary of the calls etc., is given in Appendix I.

3. **Fire Alarms.**—The total number of Fire Alarms during the year under report remained at 206, including private ones and these were spread over the City and connected to 12 Fire Stations. Two fire alarms have since been discontinued by private parties. It would be of interest to note that about 50 per cent. of the total calls received for fires etc., were transmitted through this system. The Brigade got two persons arrested by the Police for malicious interference with hydrants and Fire Alarms respectively. They were later fined Rs. 5 and Rs. 10 respectively by the Court.

4. **Serious Fires.**—There were 6 major fires, the total estimated loss to the property and contents in which exceeded Rupees one lac. The highly inflammable substances like nitrate films, plastic and rubber products as also dangerous petroleum solvents, textile goods, etc., were involved in these fires which were caused by the indiscriminate handling of these substances by unauthorised agencies. The delay in summoning the services of the Brigade in some cases was also responsible for the quick spread of fires and consequent heavy loss to property and contents. Brief details of the most serious fires during the year will be found in Appendix II

5. **Fire Loss.**—The estimated loss to property damaged or destroyed by fire during the year under report was about Rs. 31,25,100 as against Rs. 28,11,994 in the previous year. The annual losses have shown a slight increase of about 3 lacs over that of last year, but comparative figures of the losses from 1948-49 would show that the losses have been gradually brought down from about 94 lacs to the present level, owing to the revised code of fire precautionary measures prepared and adopted by this department for hazardous and combustible articles and trades since 1950 and the strict vigilance exercised by the department by careful inspection of all kinds of hazardous and highly inflammable storages before recommending the same for issue of licences.

6. **Insurance.**—The value of insurance of property affected by fire was about Rs. 20,20,444 and the total value of property involved was about Rs. 11,12,84,8207 monthly summaries of fires and different types of occupancies involved in fires during the year are given in Appendices III and IV respectively.

7. **Water Supply.**—Supply of water required for extinguishing fires was fairly satisfactory and the attendance of the staff of Water Department was also prompt though due to the restricted hours of normal supply to the City and the short supply of water in general there had at times, been some unavoidable delays in obtaining sufficient water supply. The approximate quantity of water used in extinguishing fires during the year was 22,48,847 gallons, of which 20,17,022 gallons were drawn from Municipal mains and the rest from Sea, tanks, wells, etc.

8. **Lives Lost.**—During the year, 21 persons were found to have been burnt to death before arrival of Brigade, while 39 persons who received injuries died subsequently in hospitals. Minor injuries were received by 91 persons who were discharged after medical treatment. Full particulars are given in Appendix V. The Brigade was called out to attend two sad incidents, viz., (1) Severe explosions and fires at Morani Fire Work Andheri, which occurred on 24th August 1954 in which 19 persons were burnt to death, and (2) serious house collapse at Neville House which occurred on 24th October 1954 in which 10 persons were killed as a result of being buried under debris. First aid was rendered by the Brigade in 189 cases including those who had received injuries in collapsed buildings.

9. **Appliances.**—A new Fire Engine with extension ladder and two trailer fire pumps which were ordered from abroad and two fire tenders ordered locally, were received during the year. Orders were placed during the year for three more fire engines, one with fire escape and two with extension ladders from abroad, and one fire tender, one Control Post Unit and one Motor Station Wagon were ordered locally. One Motor Ambulance donated by the Mill Owners' Association in 1947-48, was replaced by a new one during the year.

A new fire engine, having a water tank of 600 gallons and an extension ladder, one CO<sub>2</sub> and foam crash tender ordered from abroad in 1952-53, one motor jeep and one motor ambulance ordered locally for Andheri Fire Station, were received during the year. The Andheri Fire Station in suburban area, was thus fully equipped with necessary appliances. CO<sub>2</sub> and Foam Crash Tender housed at Andheri Fire Station, is primarily meant for meeting any emergency arising out of air crashes in the air port areas of Juhu and Santacruz which are at present served by this station. However, it is a multi-purpose unit and is also intended to serve the needs of ordinary fires including electrical, chemical and oil fires and rescue works etc.

10. **General.**—There was no increase in the total number of fire stations in the City which remained at 123 Stations. However a provision for the construction of 2 Fire Stations—one at Chembur and another between Vikhroli and Ghatkopar, has been made in the budget estimates for 1955-56.

The Brigade was summoned for rendering assistance at Special Services on 172 occasions and of these 129 were in respect of collapsed buildings. The Brigade carried out other rescue work on 43 occasions. 60 persons were injured in the house collapses, but they recovered subsequently while 15 others died before arrival of the Brigade. Although the Brigade attended several rescue works for drowning, it was found that 3 persons were drowned before the arrival of the Brigade.

Inspection of hydrants was regularly carried out throughout the year and the defects detected were remedied wherever possible by the staff of the Water Department. Due to non-availability of certain metal parts and constant thefts of these parts by the public, a large number of hydrants remained defective during the year in spite of best attempts on the part of the Water Department.

This department inspected cinemas on reference from the Commissioner of Police, Bombay, and gave necessary advice on fire precautionary measures. Theatres, temporary structures for holding performances and exhibits for public entertainments were also inspected on 39 occasions and 5,962 Sites proposed for establishment of printing presses, factories hazardous trades etc, and for storages of commodities of hazardous and inflammable nature were inspected during the year and necessary precautionary measures against fires were recommended.

The Government of India continued to control storage and handling of cinematograph films with nitrate base and issued licences for the same. It may, however, be stated that the Brigade attended several fires in unauthorised storages of such films. Cases of cinematograph films with safety base were controlled by the Municipality and as such were referred to this department as to ascertain the suitability of the premises for proposed storages. Similarly, 179 storages of dangerous petroleum, fire works and such other hazardous articles as are controlled both by the Police on behalf of the Government of India and the Municipality were inspected at the instance of the Commissioner of Police, Bombay, before licences were recommended to be issued by the Commissioner of Police. As no cases for such storages, licensed by the Inspector of Explosives in India, West Circle, Bombay, were referred to this department for recommending their suitability or otherwise, the Government of India was approached for co-operation in this connection. 406 complaints against storages involving fire risk were investigated and the departments concerned were advised in regard to the precautionary measures to be taken in each case.

11. **Amenities.**—A Grain Store was run at the Byculla Headquarters for the employees. A canteen has been started at Byculla Head quarters compound for catering to the needs of Brigade employees and during the year regular meals were started for convenience of staff, whose families remain out of Bombay and also for those who attend stand-by duties at Head quarters, Byculla.

12. **Extra Curricular Activities.**—The staff is partaking in games through the Bombay Fire Brigade Sports Club run from the individual contributions of members and one member had secured the honour of representing in the Inter-State Tournaments through the Bombay State Basket Ball and Volley Ball Association.

Most of the officers of the Brigade are members of the Institution of Fire Engineers, Western India Branch. The Institution has started its own quarterly magazine since October 1954.

During the year under report one candidate was deputed by semi-Government bodies for training for a full-term course of 3 months and two security inspectors were deputed by the B. E. S. & T.; Undertaking for training in short term course of one month in fire fighting.

#### AMBULANCE SERVICE

**Calls.**—The Ambulance Service attended 6,388 calls within the limits of Greater Bombay during the year, and of these 1,367 were for accidents, 1,729 for Maternity and 3,292 for hire cases, thereby removing in all 6,254 persons. These figures show an over-all increase of 226 calls over the last year's figures of 1,387, 1913 and 2,872 respectively. First aid was rendered to injured persons by Ambulance Service on 484 occasions.

**General.**—The motor ambulances travelled a total distance of 50,655 miles as against 47,035 miles during the previous year. The total receipts during the year on account of hire cases amounted to Rs. 21,928 including arrears of the previous year as against Rs. 18,858 during the last year.

The 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 and debt charges was Rs. 8,11,587.

M. G. PRADHAN,  
Chief Officer,  
Bombay Fire Brigade.

**Appendix No. I**  
**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 1954-55*

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 Unit.	Buckets.	Sand.	Chemical Extinguishers.	Hand Pumps.	First Aid Appliances.	Hydrants.	Motor Pumps.	Foam Generator.	Automatic Sprinkler heads actuated.	Smoke helmets or breathing apparatus used.
1	Headquarters ...	20	6	19	57	50	9	...	135	117	6	8	...	20	5	2	5	7	...	24	4	61	...	5	...
2	Alexandra Docks	17	1	6	23	25	...	32	86	127	...	...	...	...	...	...	4	4	...	43	4	17	...	...	4
3	Gowalia Tank	27	3	12	52	65	...	...	129	106	...	...	...	...	...	...	6	10	...	19	1	39	...	...	...
4	Sewree ...	10	6	2	25	43	...	...	70	23	...	...	...	...	41	3	1	1	...	11	13	67	1	...	1
5	Fort ...	17	6	11	69	41	...	...	121	109	...	65	...	...	...	2	6	...	1	16	2	6	...	5	...
6	Colaba ...	9	2	6	16	16	...	...	38	36	...	...	...	...	...	6	1	1	...	6	...	8	...	...	...
7	Shivaji Park ...	...	...	6	30	30	...	...	66	62	...	...	...	...	1	5	...	...	...	12	1	7	...	...	...
8	Worli ...	...	...	10	33	47	...	...	90	29	...	...	...	...	60	3	1	3	...	17	25	33	...	30	...
9	Dadar ...	34	3	7	57	54	...	...	128	139	...	...	...	...	32	1	1	1	...	32	4	30	1	...	...
10	Memonwada ...	30	3	17	168	96	...	...	280	338	1	...	54	...	1	10	15	9	1	40	6	18	...	...	1
11	Mandvi ...	11	1	2	58	29	...	...	89	90	...	...	...	...	...	2	5	7	2	18	11	14	1	...	...
12	Andheri ...	...	...	6	...	48	...	...	54	51	...	...	...	...	...	8	...	1	...	21	2	35	1	...	...
	<b>Total ...</b>	<b>175</b>	<b>31</b>	<b>104</b>	<b>598</b>	<b>543</b>	<b>9</b>	<b>32</b>	<b>1236</b>	<b>1227</b>	<b>7</b>	<b>73</b>	<b>54</b>	<b>20</b>	<b>140</b>	<b>42</b>	<b>45</b>	<b>38</b>	<b>4</b>	<b>259</b>	<b>73</b>	<b>335</b>	<b>4</b>	<b>40</b>	<b>6</b>

**APPENDIX No. II**  
**BOMBAY FIRE BRIGADE**

*Brief Details of the most serious fires during the year 1954-55.*

Date	Time	Place	Business	Extinguished by	Damage	Estimated damage
						Rs.
17-4-1954	9-31 A.M.	Garware Motors Ltd. Chowpatty Chambers, 537, Sardar Vallabh-bhai Patel Road.	Dealers in motor cars and auto accessories.	Firemen with 13 motor pumps.	Some quantity of petrol, lubricating oils, paints and acetylene gas etc., destroyed by fire and explosion and 7 motor cars, 3 cycles, motor spare parts workshop accessories, steel and wooden cupboards, electric fans, air compressor, machines and office records etc., severely damaged by fire, heat, smoke and water in basement of a five-floored building about 70×60 ft. (used as Motor Workshop, Showroom, Offices and dwellings).  Walls, windows, ceiling doors, wooden staircase, trellis work and eaves pillars and electrical installation severely damaged by fire, heat, smoke, water and breakage.	2,10,500
19-5-1954	8-2 A.M.	Dhanraj Mill Ltd., Sun Mill Road.	Textile Mills	... Employees with 8 mills hydrants and firemen with 9 motor pumps (50 Sprinkler heads actuated).	Large quantity of loose cotton, bobbins and machinery, severely damaged by fire, heat, smoke and water on ground and first floors of a four-floored building about 200×75 ft. (used as Textile Mills).  Doors, windows, walls, ceiling and electrical installation, severely damaged by fire, heat, smoke, water and breakage.	1,70,000
24-5-1954	9-48 P.M.	Ambewadi Parel Tank Road.	Dealers in hessian cloth, gunny bags and baling hoops, spices, furnitures, cotton waste, old tyres, manufacturing frames and machinery spare parts etc.	Firemen with 11 motor pumps.	Large number of bales of hessian cloth, empty gunny bags, baling hoop, grinding mill, machinery, steel shelves, frames, trunks, cotton waste, old tyres, and machinery spare parts etc., severely damaged by fire, heat, smoke and water in two ground-floored structures about (300×60 ft. and 300×50 ft. used as godowns, factory and grinding mill).  C. I. sheets, wooden doors, beams severely damaged by fire, heat, smoke, water and breakage.	1,40,500
4-6-1954	5-30 A.M.	Lady Hardinge Road Central Railways, Harbour Branch Chord.	Railways, Dealers in petroleum products, textile Mills.	Firemen with six motor pumps and with foam.	About 4,000 gallons of high octane, aviation fuel destroyed by fire. Two goods wagons on permanent way track, suburban Passengers Coach overhead electric trolley wires, double rail track steel barrels and bales of fresh cotton severely damaged by fire, heat, smoke and water and explosion on enclosed grounds (used as Railway premises).  Parapet wall of railway overbridge severely damaged due to collision.	4,69,500
7-8-1954	6-0 A.M.	Rampooria Cotton Mills Ltd. Ferguson Road.	Textile Mills	... Firemen with 3 motor Pumps.	Large quantity of cotton yarn and bobbins severely damaged by fire, heat, smoke and water on 1st floor of a two floored building about 150×70 feet (used as Textile Mills).	1,00,000
1-10-1954	2-40 A.M.	Sarvodaya Mill Compound Tardeo Road.	Dyeing Bleaching printing silk and textile weaving, etc.	Firemen with 15 motor pumps.	Large quantity of lubricating and machine oils destroyed by fire and textile machinery, electric motors, cloth yarn, dye stuff, large number of cotton looms, sizing machines, some office records, furniture etc., severely damaged by fire, heat, smoke and water in two and three-floored buildings and in ground floored structures about 600×400 ft. (used as textile mills and factories).  Doors, windows, walls, wooden rafters on roof and loft, electrical installations etc., severely by fire, heat, smoke, water and breakage. Roofs collapsed.	8,27,500



## Appendix No. III

*Monthly summary of Fires and annual losses for the period from 1945-46 to 1954-55*

Year.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total.	Estimated Loss.
														Rs.
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
1953-54	... 45	53	44	40	42	46	55	93	59	53	59	68	657	28,11,894
1954-55	... 55	75	55	53	48	47	85	66	65	65	52	83	749	31,25,100

## Appendix No. IV

## BOMBAY FIRE BRIGADE

*Summary of different types of occupancies involved in fires during the year 1954-55*

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 1954	12	9	1	6	...	...	1	...	25	54
May 1954	9	4	...	4	...	4	...	1	49	71
June 1954	8	4	...	4	...	1	1	...	36	54
July 1954	4	3	1	4	...	1	1	...	39	53
August 1954	7	8	...	1	...	...	...	2	29	47
September 1954	4	1	...	2	...	...	...	1	35	43
October 1954	14	8	2	2	1	2	...	1	51	81
November 1954	7	10	...	3	1	...	...	...	42	63
December 1954	8	7	...	3	1	2	...	...	40	61
January 1955	11	5	3	2	...	2	...	...	36	59
February 1955	5	4	...	...	4	...	...	...	32	45
March 1955	8	6	...	4	1	4	...	...	46	69
Total	97	69	7	35	8	16	3	5	460	700

**APPENDIX V**  
**BOMBAY FIRE BRIGADE**

*Summary of lives lost at fires during the year 1954-55 including persons who succumbed to the injuries received.*

Date	Time	Place	Particulars
15-4-1954	8-31 A.M.	7, 10th Lane Kamathipura	... Bai Hirabai Vithal Metty, aged about 40 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since dead.
19-4-1954	5-57 A.M.	Haines Road, Byculla	... * Bai Rohinibai Mukund Gaikwad, aged about 25 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since dead.
30-4-1954	9-26 A.M.	2, Vanka Moholla, off Kolbhat Street.	Narayan Jadhunath aged about 35 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance Since dead. Motiram Mithumal, aged about 25 years and Baban Sitaram, aged about 16 years, burned to death. Bodies handed over to Police.
8-5-1954	2-23 P.M.	115-118-C Sayani Road	... * Kurpalji Ghala, aged about 70 years burned to death before arrival of Brigade. Body handed over to Police.
20-5-1954	9-59 P.M.	714-G, Haines Road	... * Bai Jayabai Dhondu, aged about 32 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
24-5-1954	10-10 A.M.	74, Bazargate Street, Ratansey Karsondas Building.	* Bai Pushpabai Bhagwandas, aged about 20 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
4-6-1954	5-30 A.M.	Lady Hardinge Road Central Railway, Harbour Branch Chord.	Pherozezshah B. Kapadia, aged about 35 years, and Thakorbbhai B. Desai, aged about 30 years, burned to death before arrival of the Brigade. Bodies handed over to Police.
22-7-1954	3-51 A.M.	13, Navi Wadi, opp. Dady Seth Agiary Lane.	* Bai Girjabai Koderlal, Javehri aged about 40 years, burnt to death before arrival of Brigade. Body handed over to Police.
27-7-1954	2-29 P.M.	A-2, Mahim Caseway	... Shorin Adoni, aged about 22 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
31-7-1954	12-13 P.M.	173, Dady Seth Agiary Lane	... * Bai Hirabai Dwarkadas, aged about 50 years burned to death before arrival of Brigade. Body handed over to Police.
24-8-1954	3-7 P.M.	Mogra East Andheri, off Parsi Panchayat Road.	The following persons were burned to death before arrival of Brigade. Their bodies were handed over to Police :—  (1) Alibhai Zaver Zaveri, aged about 40 years. (2) Vishnoo Sajjan, Khavi, aged about 13 years, (3) Bhawoo Jairam Kadam, aged about 15 years, (4) Bai Lilabai Ramchandra Sawant, aged about 12 years, (5) Bai Palibai Baboo, aged about 15 years, (6) Bai Gajrabai Meharwan, Dhondi aged about 15 years. (7) Ganpat Jetha Dubla, aged about 15 years, (8) Ramakant Ganpat Kashelkar, aged about 19 years, (9) Madhukar Tatoba Hadkar, aged about 16 years, (10) Vansa Raghu aged, about 20 years, (11) Unidentified (female) aged, about 14 years, (12) Karim Sultan Sheikh aged, 22 } Severely burned all over body. year. } Taken to hospital by factory (13) Bhiwa Kashinath Ghanekar, } lorry, Since dead. aged about 22 years, (14) Sukar Baboo aged about 15 years }  (15) Budhaji Bhika, aged about 18 } years, } (16) Ranchhod Valsa, aged about } Burned all over body. Taken- 40 years, } to hospital by public con- (17) Bhiku Baboo, aged about } veyance before arrival of the 18 years } brigade Since dead. (18) One unidentified male aged } about 16 years. } (19) Chhagan Sukar Bubla, aged 45 years, burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
28-8-1954	2-51 P.M.	925-26 Sayani Road	... Bai Bhagirathibai Gaohane aged about 25 years, burned to death before arrival of Brigade. Body handed over to Police. Bai Anusuyabai Tukaram, aged about 20 years, severely burned all over body. Removed to hospital. Since dead.
10-9-1954	2-15 P.M.	42, Bhagwantrao Parulekar Road.	* Bai Rewabai Govind, aged 40 years severely burned all over body. Removed to hospital in Brigade Ambulance. Since dead.
23-9-1954	1-39 P.M.	Times of India, Dr. Dadabhoy Nawroji Road.	Lewis Monteiro, aged about 25 years, and Posha Janoo, aged about 30 years, severely burned all over body. Removed to hospital. Since dead
6-10-1954	8-6 A.M.	122, L, Koliwada Worli	... * Bai Hirabai Shivram, Patil, aged about 28 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
12-10-1954	11-17 A.M.	75, Kambekar Street	... * Ibrahim Mahomed aged about 19 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
13-10-1954	1-10 P.M.	Mirza Mansion, 69, Khetwadi 10 Lane.	Bai Latabai Lalludas aged about 20 years, severely burned on hands and legs. Taken to hospital in a private motor car before arrival of the Brigade. Since dead.

## APPENDIX—V—(contd.)

Date	Time	Place	Particulars
13-10-1954	5-31 P.M.	54-50, Temkar Street	... Rahim Uman, aged about 24 years, severely burned on chest and hands. Taken to hospital by public before arrival of Brigade. Since dead.
16-10-1954	3-42 P.M.	22, Fitwala Road Elphinstone Railway Station.	... Bai Bhimabai Gangaram, aged about 16 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
20-10-1954	7-7 A.M.	33-K, Mughbhat Cross Lane	... Bawoo Babaji, aged about 45 years severely injured all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
21-10-1954	1-59 P.M.	133, Govindji Kenny Road	... * Bai Hirabai Morarji, aged about 32 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since dead.
21-10-1954	2-31 P.M.	F/92, Suparibaug Road	... * Bai Tharibai aged about 80 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since Dead.
26-10-1954	12-4 P.M.	18, E, F. H. G. Parel Village Road	... * Bai Bhimabai Bhikaji, aged about 65 years burned to death before arrival of Brigade. Body handed over to Police.
27-10-1954	7-25 A.M.	43/44 1st Road Khar	... Mulchand Lakhamsi, aged about 19 years burned to death. Body handed over to Police.
4-11-1954	2-55 A.M.	142, Gokhale Society Lane	... Ramji Shankar aged about 19 years, burned to death before arrival of Brigade. Body handed over to Police.
10-11-1954	6-41 P.M.	24, Chandawarkar Road	... * Bai Asha Nabin aged about 28 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
12-11-1954	12-37 P.M.	335, Ibrahim Rahimtoola Road	... Bai Khatijabai Abdul Gaffar, aged about 40 years severely burned on face and breast. Taken to hospital by public before arrival of Brigade Since dead.
22-11-1954	7-56 A.M.	12, Dady Santuk Lane, Girgaum.	... Bai Sawantibai Baboo aged about 26 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
19-12-1954	2-14 P.M.	84, Hansaji Tank Lane	... Bai Shalinibai Ramrao Vagal, aged about 25 years, severely burned all over body. Taken to hospital before arrival of Brigade. Since dead.
31-1-1955	6-16 A.M.	134, Erskine Road	... Kalyas aged about 35 years, burned to death before arrival of Brigade. Body handed over to Police.
7-2-1955	2-22 P.M.	Old Nagardas Road Andheri	... * Bai Hirabai Daya aged about 21 years, severely burned all over body. Taken to hospital by public conveyance before arrival of Brigade. Since dead.
9-2-1955	12-13 P.M.	Municipal Chawls, E block, Delisle Road.	... * Bai Nanibai Meetha, aged about 35 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since dead.
18-2-1955	5-22 P.M.	Police Quarters Sussex Road	... Bai Amusuyabai Ganpat Patil, aged about 22 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. Since dead.
27-2-1955	12-15 A.M.	62, Laxminarayan Lane	... * Bai Laxminibai Bhikhabhai aged about 40 years severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade ambulance. Since dead.
12-3-1955	4-34 P.M.	549, Jame-e-Jamshed Road	... Bai Indubai Khemchand aged about 20 years, Ajitlal Khemchand aged about 18 years, and, Bai Champababen, Khemchand, aged about 46 years, severely burned all over body. Taken to hospital before arrival of Brigade. Since dead.

N.B.—Items marked (\*) indicate doubtful cases of burns.



# SUPERINTENDENT OF GARDENS

Sub :—Administration Report for the year 1954-55.

1. During the year under report, D. I. Ahmadi, continued to be in charge of the Garden Department.
2. He is in charge of 19 gardens, 52 recreation grounds, 4 fountains, 7 traffic-islands, 5 open spaces, 3 bandstands, 4 box hedges and 1 statue. The following 4 new sites were added to the existing 95 sites during the year :—
  - (1) Recreation ground at Plot C, Bhulabhai Desai Road.
  - (2) Recreation ground near Sion General Hospital.
  - (3) Playground at Sayani Road (Nardulla Tank).
  - (4) A new site for recreation ground at the Junction of DeLisle Road and Arthur Road.This department also maintains the roadside trees.
3. The number of visitors in the Victoria Gardens recorded this year, was 49,31,407 as against 54,28,836 in the year 1953-54. The decrease in the visitors is mainly due to heavy monsoon during the year. In spite of this the number comes to an average of 13,510 visitors per day.

Visitors.
4. Victoria Gardens were thrown open to the public till mid-night and music programmes were arranged on two successive days when the number of visitors recorded was 25,000.

Republic Day Celebrations.
5. A Vegetable, Fruit and Flower Show was held in the Victoria Gardens. The Show proved very popular as about 50,000 persons visited the same. This department participated in the Show and the Victoria Gardens was adjudged as the best public garden in the city. Many prizes in the plants and flowers sections were also won and the prize money was distributed amongst the Malis who had worked and produced the exhibits.

Annual Vegetable, Fruit and Flower Show.
6. The Traffic Islands which had so far proved a problem with regard to their maintenance were allowed to be maintained by private parties according to the approved designs and in return they were allowed to put up only two small boards stating the name of the party maintaining the Traffic Island on payment of advertisement fees. This scheme has proved very successful without any extra cost to the Corporation and most of the Traffic islands now appear prettier and more attractive.

Traffic Islands.
7. Low lying plots in the Victoria Gardens admeasuring about 4,000 square yards were levelled and laid out with lawn and flower beds as also the Circle opposite the Garden Office and the avenue at the entrance near the Clock-Tower. Botanical specimens were supplied to the educational institutions in the State and student visitors from college were conducted round.

Victoria Gardens.

At the request of science students from various colleges in the City practical classes were conducted thrice in a month during the college terms, in the Victoria Gardens to train the students in important horticultural operation. These classes were largely attended. A plot of land in Victoria Gardens has been reserved for planting trees, shrubs and creepers according to natural orders with a smallpond for growing aquatic plants and an old fernery which will give facilities for growing shade and semi-shade loving plants. This portion will be planted and maintained by the students themselves with the co-operation of the garden staff and the work when completed will remove a long felt want of the Science students.

Classes for Science students.
8. During the year under report, 18 band, 28 Indian Vocal Music, 56 Orchestra and 424 recorded music programmes were arranged at different gardens and bandstands. In addition to this, music broadcast by All India Radio was relayed every day in the Victoria Gardens, between 5 P. M. and 7.30 P. M.

Amusements.

An Amusement Park was established under Corporation Resolution No. 184, dated the 6th May 1954 in the North-east corner of the Victoria Gardens. The Joy rides introduced at a nominal fee of annas 3 per adult and an anna per child attracted a large number of visitors and no less than 3,50,000 people availed of the rides. Besides the Elephant and Camel Rides arranged inside the Victoria Gardens, Pony rides for children was an added attraction.
9. Directed Children's Centres at the Victoria Gardens under the supervision of the Young Men's Christian Association and the Bombay Presidency Women's Council, and directed Play Centres for adults at (1) Mastan Tank Playground, (2) Wiliingdon Memorial Playground (3) Club Back Road Playground and (4) Playground opposite Proctor Branch, Y. M. C. A. under the supervision of Young Men's Christian Association and the play centre at 2nd Peerkhan Street under the supervision of Nagpada Neighbourhood House continued to be very popular and several tournaments were successfully conducted thereat.

Directed Games.

Play apparatus were provided at Kamgar Maidan, Bhoiwada Recreation Ground, Shivaji Park, Mahim Foreshore Garden, New Garden at the junction of Tulsi Pipe Road and Fitwalla Road, Chowpatty Bandstand, Wellington Lines Garden, Esplanade Bandstand and Dr. Viegas Street. Similarly special repairs and some new works were carried out at the Victoria Gardens and other Public Gardens at a total cost of Rs. 75,100.
10. Altogether 1,100 trees were planted during the Varā Mahotsava on newly constructed roads and as replacement of casualties on roads and in public gardens.

Tree planting.
11. During the year under report, the live stock in the Zoo section decreased by 3.8 per cent. Appendix 'A' gives the list of animals and birds.

Zoo Section.

Increase.—912 mammals, 82 birds were born; 290 mammals, 32 birds and 12 reptiles were received as present; 77 mammals, 104 birds and 20 reptiles were purchased and 12 mammals, 15 birds were obtained by exchange. Important births during the year were of 5 mouse deers, and 12 ostrich chicks. Similarly important acquisitions during the year were 5 lion cubs, 1 tigress, 2 chimpanzees, 2 Gelada Babboons, 1 small riding Pony for children, 3 King Horn Bills and 2 Crowned cranes.

Decrease.—472 mammals, 170 birds and 30 reptiles died; 1,252 mammals, 42 birds and 2 reptiles sold; 15 mammals, 6 birds, were given in exchange.

The experimental animal Section for the Municipal Medical Colleges, is being expanded and improved by provision of fly proof contrivances.

12. 427 wild animals and birds were treated in the Zoo Hospital and 67 specimens of patho-bacteriological interest were examined at the Bombay Veterinary College Laboratory, free of charge.

13. The total expenditure and income of the Garden during the year under report was Rs. 5,45,320-5-0 and Rs. 38,052-4-3 as against Rs. 5,19,523-6-0 and Rs. 38,100-6-9 respectively during the previous year.

## APPENDIX—'A'.

## LIST OF ANIMALS IN THE ZOOLOGICAL SECTION.

	Nos.	REMARKS.		Nos.	REMARKS.
<i>A.—Carnivorous Animals.</i>			<i>F.—Primates or Monkey Tribes.</i>		
(1) Lion ... ..	7		(1) Drill ... ..	2	
(2) Tiger ... ..	2		(2) Chimpanzee ... ..	2	
(3) Leopard ... ..	6		(3) Baboon Arabian ... ..	1	
(4) Do. Black ... ..	1		(4) " Gelada ... ..	2	
(5) " Hunting ... ..	1		(5) Monkey Langoor ... ..	1	
(6) Hyæna striped ... ..	3		(6) " Sutmangaby ... ..	2	
(7) Wolf ... ..	1		(7) " Golden Rhesus ... ..	3	
(8) Jackal ... ..	6		(8) " Lion tailed ... ..	2	
(9) Alsatian Dog ... ..	1		(9) " Mallbrook ... ..	1	
(10) Local Dog ... ..	1		(10) " Green ... ..	1	
(11) Dingo ... ..	2		(11) " Crab eating ... ..	2	
(12) Bear Sloth ... ..	2		(12) " Rhesus ... ..	7	
(13) " Himalayan Black ... ..	2		(13) " Bonnet ... ..	2	
(14) " " Brown ... ..	1		(14) " Mona ... ..	2	
(15) " European ... ..	2		(15) " Capucine ... ..	1	
(16) Civet Lesser ... ..	1		(16) Slender Loris ... ..	1	
(17) Mongoose ... ..	5		(17) Slow Loris ... ..	2	
(18) Rat. (Indian) ... ..	1		(18) Hullock Gibbon ... ..	1	
(19) Otter ... ..	3				
(20) Cat local... ..	3			35	
(21) Jungle cat ... ..	1				
(22) Civet palm ... ..	2				
	54		<i>G.—Birds.</i>		
<i>B.—Insectivorous.</i>			(1) Turkey fowl ... ..	2	
(1) Hedgehog ... ..	1		(2) Guinea fowl ... ..	4	
	1		(3) " white ... ..	1	
<i>C.—Herbivorous Animals.</i>			(4) Jungle fowl ... ..	11	
(1) Elephant ... ..	2		(5) Fowl Rhode island Red. ... ..	3	
(2) Camel ... ..	2		(6) " White Leghorn ... ..	6	
(3) Giraffe ... ..	1		(7) Spur fowl ... ..	4	
(4) Gour ... ..	1		(8) Peafowl white ... ..	2	
(5) Rhino ... ..	1		(9) " Indian ... ..	3	
(6) Zebra Chapmanis ... ..	2		(10) Pheasant Fireback ... ..	1	
(7) Deer Sambhar ... ..	3		(11) " Cheer ... ..	2	
(8) " Spotted ... ..	13		(12) " Crow ... ..	1	
(9) " Ribfaced ... ..	8		(13) " Monal ... ..	1	
(10) Deer fallow ... ..	7		(14) " Silver ... ..	2	
(11) " Mouse ... ..	7		(15) " Golden ... ..	3	
(12) Antelope Indian ... ..	7		(16) " Amherst ... ..	3	
(13) " 4 horned ... ..	11		(17) " Tenebrosus ... ..	2	
(14) Gazelle Indian ... ..	2		(18) " Kaleage ... ..	1	
(15) Gnu ... ..	1		(19) Hornbill Pied ... ..	3	
(16) Barbary sheep ... ..	1		(20) " King ... ..	3	
(17) Fat tailed sheep ... ..	8		(21) Toucan ... ..	1	
(18) Blue Bull ... ..	6		(22) Marsh Harrier ... ..	2	
(19) Wild Boar ... ..	2		(23) Horned Owl, Large ... ..	1	
(20) Multi-horned sheep ... ..	3		(24) Vulture ... ..	1	
(21) Pony ... ..	1		(25) Partridge Indian ... ..	3	
	89		(26) " Chakore ... ..	4	
<i>D.—Marsupial Animals.</i>			(27) " Black (Nepal) ... ..	2	
(1) Kangaroo ... ..	1		(28) Quail Bush ... ..	23	
(2) Wallaby ... ..	1		(29) Quail Painted ... ..	1	
	2		(30) Pigeon Jacobin ... ..	4	
<i>E.—Rodents.</i>			(31) " Chinese ... ..	9	
(1) Guinea pig ... ..	34		(32) " Fantailed ... ..	28	
(2) Wild Hare ... ..	5		(33) " Common ... ..	13	
(3) Rabbit ... ..	38		(34) " Mix carrier ... ..	4	
(4) Porcupine ... ..	3		(35) " Shiraji ... ..	15	
(5) Rat, white ... ..	117		(36) " Nun, Red ... ..	3	
(6) Mice white ... ..	306		(37) " Roshan ... ..	3	
	503		(38) " Powder (Cross) ... ..	1	
			(39) " Powder ... ..	4	
			(40) " Basra, Homer ... ..	8	
			(41) " Black, Fantailed ... ..	1	
			(42) Dove, Hill ... ..	1	
			(43) " Green ... ..	8	
			(44) " White ... ..	4	
			(45) " Red ... ..	18	
			(46) " Crested (Aust) ... ..	4	
			(47) " Big (Nepal) ... ..	4	
			(48) " Turtle ... ..	20	
			(49) Macaw, Red and Blue ... ..	1	
			(50) " Red and Green ... ..	1	
			(51) " Yellow and Green ... ..	1	
			(52) Cockatoo White Red crested ... ..	1	

## APPENDIX—'A'

	Nos.	REMARKS.		Nos.	REMARKS.
(53) Cockatoo White Lemon crested	1		(13) Duck Spot bill ...	3	
(54) " White Yellow crested ...	1		(14) " Cotton teal ...	9	
(55) " Blue eyed ...	1		(15) " Wild, spotted ...	2	
(56) " Roseate ...	2		(16) " Spoonbill ...	2	
(57) Parrot Alexandrine ...	2		(17) Pochard White eye ...	25	
(58) " Ring necked ...	18		(18) " Red head ...	1	
(59) Budgerigar ...	11		(19) " Large and small ...	22	
(60) Grackle Hill (Nepal)	2		(20) " Tufted ...	1	
(61) Myna Pied ...	2		(21) Diver ...	1	
(62) " Brahmini ...	3		(22) Sea gull, small ...	8	
(63) " Grey headed ...	2				
(64) " Bank ...	1			152	
(65) Lalmunia ...	32				
(66) Finch, Diamond ...	40				
(67) " Tiger ...	7				
(68) " Grey, Singing ...	1				
(69) " Laveuder ...	1				
(70) " Bicoloured ...	2				
(71) " Lark ...	1				
(72) Robin Pekin ...	9				
(73) Bulbul, Red vented ...	1				
(74) " Black crested ...	1				
(75) Sparrow Java ...	20				
(76) Magpie Blue ...	1				
(77) Treepie ...	2				
(78) Jay (Nepal) ...	1				
(79) Cuckoo Indian ...	6				
(80) Kathai Shama ...	1				
(81) Conure Green ...	2				
(82) Waxbill Common ...	1				
(83) " Orange checked ...	1				
(84) Laughing Thrush ...	2				
(85) Barbet ...	1				
(86) Chloropsis ...	7				
(87) Crane Sarus ...	2				
(88) " Demoiselle ...	3				
(89) " Crowned ...	2				
(90) Straited Whistling Thrush ...	5				
(91) Pitch faced Love Bird ...	2				
(92) Golden Thrush ...	1				
(93) Shama ...	1				
(94) Black Thrush ...	4				
(95) Bluwing Sibia ...	4				
	462				
<i>H.—Birds (Aquatic).</i>			<i>Birds (Waders or semi-aquatic).</i>		
(1) Pelican ...	3		(1) Adjutant ...	3	
(2) Swan, Black ...	4		(2) Moorhen... ..	9	
(3) " White ...	3		(3) Stork, Black necked ...	1	
(4) Goose, Red bill ...	6		(4) " Painted ...	4	
(5) " Indian ...	6		(5) " White necked ...	2	
(6) " Magpie ...	4		(6) Ibes ...	6	
(7) Bargoose ...	3		(7) Heron, Blue ...	2	
(8) Duck Muscovi ...	21		(8) " Pond ...	4	
(9) " Common ...	2		(9) Egret Cattle ...	5	
(10) " Brahma ...	2		(10) " Lesser White ...	1	
(11) " Pintailed ...	17		(11) Water fowl, Black ...	1	
(12) " Comb ...	5		(12) Flamingo ...	2	
				40	
			<i>J.—Birds (Flightless)</i>		
			(1) Emu ...	2	
			(2) Ostrich ...	8	
				10	
			<i>K.—Reptiles.</i>		
			(1) Crocodile ...	4	
			(2) Tortoise, Giant ...	4	
			(3) " Star, small... ..	8	
			(4) Turtle, Pond ...	4	
			(5) " Mud or Ground ...	3	
			(6) Lizzard, Minitor ...	1	
			(7) Python (Indian) ...	3	
			(8) " (Malayan) ...	1	
			(9) Snake Water ...	1	
			(10) " Rat ...	1	
			(11) " Viper Russels ...	4	
			(12) " Viper Green ...	2	
			(13) " Cobra ...	1	
			(14) " Green Tree ...	2	
			(15) " Rattle ...	3	
			(16) " King ...	1	
			(17) Snake Dia-dum ...	1	
			(18) Sand Boa, Black Russels ...	2	
				46	
			Grand Total ...	1,394	

## APPENDIX—B

	Income	Rs.	a.	p.
(1) Camel and Elephant Rides ...	...	4,249	4	0
(2) Camera admission passes ...	...	2,049	0	0
(3) Descriptive Rhino and Snake leaflets ...	...	428	0	0
(4) Sale of plants and flowers etc. ...	...	26,326	3	0
(5) Share of income from weighing scale ...	...	812	13	6
(6) Share of income from Amusement Park ...	...	4,000	0	0
(7) Collection from the Charity Box ...	...	186	15	9

D. I. AHMADI,  
Superintendent,  
Municipal Gardens, Bombay.

# VICTORIA AND ALBERT MUSEUM

'Subject':—Administration report for the year 1954-55.

Dr. S. C. Upadhyaya held the office of the Curator, Victoria and Albert Museum, during the year under report.

2. (a) **Working Museum.** The Museum remained closed on all Mondays and important holidays. It was also closed on 23rd June 1954 for cleaning. The museum was kept open on Wednesdays, for ladies and children and parties of students, as usual. (See Appendix 'A')

(b) **Admission.**—The admission to the Museum on Fridays, Sundays and Public Holidays (except Wednesdays) was restricted by tickets of  $\frac{1}{2}$  anna, per visitor, above 12 years of age. The amount realised was credited to the Special Fund called Victoria and Albert Museum Fund, meant for future improvement of the Museum. (See Appendix B).

(c) **Publications.**—The Corporation has published a brochure called Victoria and Albert Museum Brochure giving information of specimens, showcases etc., kept in the Museum. It is available to public on payment of Anna one only. (See Appendix C).

3. **Work done.** Bases of four showcases were newly designed and fitted, thus enabling the visitors to view the specimens therein with more ease. 5 wooden barricades were also got prepared. Four big showcases were dismantled and were auctioned through Municipal Auctioneers, Messrs. Bennett & Co., realising Rs. 1,520. A theft of silver and gold specimens occurred at night on 5th June 1954 in the museum; the thief was caught redhanded on the premises. All the 27 stolen articles were returned by the police on 1st February 1955, and the accused was sentenced to 6 weeks' imprisonment. Nine silver articles, badly cut by the thief, were auctioned through the Municipal Auctioneers realising Rs. 448-7-0. Additional precautions were taken and one way arrangement was made for entrance and exit of visitors. This is now a permanent feature and is taken as a security measure.

One model of corals was renovated and entirely laid out in a different way. Six life size models along with cases were put up by the Propaganda Officer, Public Health Department, Bombay Municipal Corporation and a gallery, named civic sense gallery was opened in the museum. Two models showing development of Dadar Matunga Estate and Belasis Road Chawls were lent by the Estate Agent and Land Manager, Bombay Municipal Corporation. All these have proved of much interest to visitors.

4. **Educational Activities.** Besides the assistance given to the conducted tours of students of some schools around the galleries of the museum, assistance was rendered by the Curator to the Dy. Director Oriental Institute Baroda, Research Officer Economic Survey of Greater Bombay, Professor of Ancient Indian History and Culture, B. J. Research Institute, Ahmedabad etc. All necessary information regarding Old Bombay exhibits was given to the officers of the Indian Naval Dockyard and Films Division, Department of information and Broadcasting, Government of India. They were also allowed to take necessary photographs. One of the trustees of the Prince of Wales Museum was given the necessary information about this museum for his broadcast on "Art Treasures in Local Museums" from All India Radio, on 22nd October 1954. Similarly reference service was rendered by the curator to about 300 visitors with the help of specimens and books in the reference library.

5. (a) **Additions.** *Museum Reference Library.*—18 books were added to the Museum Reference Library out of which 17 were purchased at a total cost of Rs. 197-12-0. One was received free of cost.

(b) *Exhibits.*—A set of three volumes of the Chester Beatty Collection of Indian Miniatures was purchased for Rs. 493-2-0.

6. **Deputation of the Curator.** The Curator was deputed to attend the session of the Indian History Congress and annual meetings of the Museums Association of India and Numismatic Society of India, all held at Ahmedabad. His report was placed before the Corporation for information.

7 (a) **Income.** From admission fees. (Appendix 'B').

(b) From sale of publications. (Appendix 'C').

8. **Expenditure.** The total expenditure incurred on maintenance of the museum was as Rs. 38,500.

S. C. UPADHYAYA.  
Curator.



## APPENDIX 'A'

## Attendance.

Year.	No. of days museum remained open	Total No. of visitors.	Total No. of school children.	Daily average.	
1954-55	...	302	11,65,308	12,606	3,859
1953-54	...	305	10,25,443	14,077	3,362

## APPENDIX 'B'

*Income from admission fees:—*

Year.	No of ticket days.	Total no. of tickets sold.	Amount realised. Rs. a. p.	
1954-55	...	110	282,420	8,825 10 0
1953-54	...	104	269,949	8,435 16 6

## APPENDIX 'C'

*Income from sale of copies of the Museum Brochure, at one anna each:—*

Year	No. of copies sold.	Amount realised. Rs. a. p.	
1954-55	...	3,200	200 0 0
1953-54	...	4,300	268 12 0

# MUNICIPAL LIBRARIES

(1) Dr. S. C. Upadhyaya, Curator, Victoria and Albert Museum was in charge of the Municipal Libraries upto 30th June 1954 and from 1st July 1954 Shri S. W. Apte was appointed as Chief Librarian on probation for one year till the remaining part of the year. Three Municipal Libraries (in Suburbs) at Kurla, Ghatkopar and Vile Parle were then given under his charge from the same date. Certain changes in respect of issue of books their registration and timings were introduced in the Suburban Libraries with a view to bringing these libraries in line with those in the City

The Corporation vide their Resolution No. 934, dated the 7th January 1943 have accorded their approval to the comprehensive scheme of opening free libraries and reading rooms in suitable localities in the City by creating a separate Department under control of the Municipal Commissioner. The scheme envisages the establishment of a Central Municipal Public Library in the City, 3 first rate libraries in each of the 7 old Wards of the City—one being exclusively for women—and a Civics Library in Head Office Building under the control of the Chief Librarian. The question of appointing Chief Librarian was, however, deferred till the total number of libraries and reading rooms maintained by the Corporation increased to 16; and pending his appointment the Curator of Victoria and Albert Museum was put in charge of the Department.

With the merger of the Suburban Libraries into the City Libraries, the number of Libraries has been increased to 18; and the Chief Librarian was appointed from 1st July 1954. It may now be possible to improve and expend the existing library system on scientific basis.

(2) For the use of different Municipal Free Reading Rooms and Libraries books in English and other local Indian Vernaculars on such subjects as General Knowledge, Philosophy, Religion, History, Short Stories etc., were purchased as under in consultation with the Books Selection Committee consisting of (1) Education Officer, Bombay Municipality, (2) Superintendent, Urdu Boys' School, Bombay Municipality and (3) Late Shri R. G. Gyani, Curator Archaeological Section, Prince of Wales Museum.

Language	Books purchased for City Libraries				Suburbs Libraries	
	1953-54		1954-55		1954-55	
	Books No.	Cost	Books No.	Cost	Books No.	Cost
English	107	Rs. a. p. 442 15 0	115	Rs. a. p. 548 10 3	...	Rs. a. p.
Gujarati	60	142 1 6	151	518 8 0	182	475 5 0
Hindi	...	...	33	89 8 0	...	...
Marathi	78	170 11 6	176	415 6 0	36	98 8 0
Urdu	107	309 2 0	111	367 12 0	...	...
<b>Total</b>	<b>352</b>	<b>1,054 13 6</b>	<b>586</b>	<b>1,940 12 3</b>	<b>218</b>	<b>573 13 0</b>

(3) More books could not be purchased during the year under report mainly for want of extra accommodation in the Library premises. All the books purchased during the year were classified and catalogued.

With a view to facilitating location, checking and stock verification all the books were labelled giving the Class Number Accession Number, cost of the book and Book mark. This has smoothed the handling of stock of books with greater ease.

(4) The following statement shows how the books purchased during the year under report were distributed to the Libraries.

Library at	Books					Total
	English	Gujarati	Hindi	Marathi	Urdu	
(1) Parel	10	12	3	18	...	43
(2) Gell Street	5	12	...	17	18	52
(3) Foras Road	5	...	...	17	...	22
(4) Kamathipura	5	12	...	...	18	35
(5) Chikhalwadi	11	12	3	18	...	44
(6) Minara Masjid	10	12	...	...	18	40
(7) Null Bazar	10	12	3	18	...	43
(8) Bapu Khote Street	11	18	8	...	21	58
(9) Naviwadi	5	12	...	17	...	34
(10) Circulating library for Muslim ladies	4	12	...	...	18	34
(11) Teli Mohalla	5	12	...	...	18	35
(12) Mandvi	5	...	...	18	...	23
(13) Gokhale Road	10	12	10	17	...	49
(14) Victoria Garden	10	13	3	18	...	44
(15) Sewri	9	...	3	18	...	20
<b>Total</b>	<b>115</b>	<b>151</b>	<b>33</b>	<b>176</b>	<b>111</b>	<b>586</b>
<b>Libraries in Suburbs</b>						
(16) Kurla	...	...	...	36	...	...
(17) Ghatkopar	...	77	...	...	...	113
(18) Vile Parle	...	105	...	...	...	105
<b>Total</b>	<b>...</b>	<b>182</b>	<b>...</b>	<b>36</b>	<b>...</b>	<b>218</b>

(5) Popular leading Indian Dailies, Weeklies and Monthlies in English and Local vernaculars were subscribed, for different Municipal Libraries. Some foreign journals such as Life, Popular Science, Readers' Digest, Science Digest etc., were also subscribed and circulated in small lots to the libraries in succession.

Statement of Visitors  
and other particulars.

## APPENDIX A

The number of visitors and other particulars showing the progress of different libraries in 1954-55 are given below:—

Library at	No. of Visitors	BOOKS ISSUED		New Depositors	Refunds passed	PERIODICALS SUBSCRIBED TO FOR LIBRARIES				Income Approx.	Expenditure Approx.
		On Deposit	On Spot			Dailies	Week-lies	Bi-Week-lies	Month-lies		
(1) Parel ...	29,491	2,155	1,644	94	68	6	3	1	7	Rs. 19 10 0	Rs. 3,128
(2) Cell Street ...	18,061	1,387	1,215	62	52	10	5	1	9	34 10 0	3,184
(3) Foras Road	15,227	1,282	894	4	18	5	2	1	5	50 8 0	2,746
(4) Kamathipura	17,510	290	1,278	9	17	5	3	...	4	27 9 0	3,240
(5) Chikhawadi...	16,819	1,425	1,298	25	20	7	3	1	7	5 8 0	2,630
(6) Minara Masjid	15,187	946	715	48	44	6	3	...	5	42 10 0	3,441
(7) Null Bazar ...	24,275	2,336	4,847	36	33	7	3	1	6	20 7 0	2,621
(8) Bapu Khote Street.	27,944	2,960	2,314	80	48	6	3	...	6	14 4 0	3,556
(9) Navi Wadi (Ladies)	8,160	3,300	1,280	28	17	4	3	1	6	19 13 0	3,385
(10) Circulating (Muslim Ladies)	...	...	2,980	...	...	...	...	...	...	...	618
(11) Teli Mohalla.	21,269	333	1,159	11	10	5	3	...	5	9 1 0	2,779
(12) Mandvi ...	12,062	1,274	1,103	21	20	5	2	1	5	103 8 0	2,505
(13) Gokhale Road.	17,597	721	789	29	20	5	3	1	6	9 10 0	2,969
(14) Victoria Garden.	4,261	498	1,634	19	17	3	...	2	5	16 1 0	2,467
(15)* Sewri C. L.'s Office.	2,643	756	52	12	...	4	...	1	3	0 4 0	320
										837 5 0	10,343
Total 1954-55 ...	2,32,506	19,763	23,202	478	385	...	...	...	...	1,210 12 0	49,886
1953-54 ...	2,26,599	19,306	22,013	429	446	...	...	...	...	1,349 3 0	46,120
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

## \*\* Municipal Libraries in Suburbs.

(16) Kurla ...	24,478	...	...	...	...	10	...	3	8	209 15 0	2,034
(17) Ghatkopar ...	...	...	2,890	...	...	...	...	...	...	288 12 0	1,311
(18) Vile Parle ...	16,824	11,342	28	116	23	8	7	...	8	184 3 0	1,688
Total 1954-55 ...	41,302	11,342	2,918	116	23	...	...	...	...	682 14 0	5,033

(7) During the year under report only one new Library at Sewri was opened which started functioning from 9th January 1955 in Municipal New Tenements. The Municipal staff, housed there as well as the public in the vicinity are taking full advantage of the same.

## New Libraries.

(8) Reorganisation Scheme approved by the Corporation under their Resolution No. 1120, dated the 11th January 1955 was fully implemented while further scheme to replace the Librarians by Library Attendants in the remaining libraries was partially carried out during the year under report to the extent that out of 15 Librarians 12 librarians were transferred to other departments and the vacant posts were filled in by appointing equal number of Library attendants. Posts of part-time Supervisors at Municipal Libraries at Kurla and Ghatkopar have been discontinued from 1st March 1955. Ghatkopar Circulating Library for ladies was converted into a full time Reading Room and Library and was thrown open for both the sexes. The membership system in this Library was discontinued and the deposit system as in other libraries was introduced.

(9) The total income derived during the year under report by way of fine, cost of missing and non-returned books, sale of old newspapers in the City was Rs. 1,210-12-0 as against Rs. 1,349-2-9 during the preceding year. The income in respect of libraries in suburbs during the year under report was Rs. 682-14-0.

The expenditure in running the 15 Libraries in City, came to Rs. 49,886 as against Rs. 46,119-14-0 during the previous year while the expenditure on running the 3 libraries in suburbs during the year under report was Rs. 5,033.

\* Library at Sewri started functioning since 9th January 1955.

\*\* Libraries in Suburbs were given in charge of Chief Librarian since 1st July 1954.

# CENTRAL STORES

Subject:—Administration Report for the year 1954-55

1. During the year Shri F. D'Souza, continued to hold the post of Controller of Stores.
2. Tenders were invited for the purchase of stores during the year under report in 136 cases as against 170 cases in the preceding year. The number of contracts for the various **Tenders and contracts.** schedule articles entered during the year was 292 as against 167 in the preceding year. A few of the tenders and quotations were rejected due to high rates quoted by the tenderers.
3. During the year about 17,375 tons of cement worth about Rs. 18.93 lakhs 1,38,504 Rft. of Black and Galvanized Iron pipes worth about Rs. 1.23 akhs; 1,62,298 Rft. of Cast Iron and Hume Pipes worth about Rs. 12.35 lakhs; 2,233 tons of Iron materials worth about Rs. 11.26 lakhs; and 1,39,812 yards of cloth worth about Rs. 0.87 lakhs were purchased. About 4,957 Bengal Maunds of Grains (Grams, Bajri and Wheat Bran) for Head Supervisor and the Superintendent of Gardens, worth about Rs. 49,606-2-0 were also purchased. In addition, this department was entrusted with the work of supplying Wheat and Rice to various Hospitals and Maternity Homes and about 4,651 Bengal Maunds of Wheat and Rice worth about Rs. 83,927-3-4 were purchased during the year. Further more, the work of inviting tenders for stationery articles, the sale of waste papers and the sale of firewood in different cemeteries in the City for the year 1955-56 was entrusted to this department. The control on Galvanized Iron pipes and majority of Steel materials and all types of cloth having been lifted all Government and semi-Government bodies receive their requirements of steel only on quota certificates, i.e., planning is done on producers and registered stockists and not on Bombay dealers, thereby obtaining the materials at cheaper rates. The control on cement still continues and this is only obtained on authorisations issued by the Government.
4. The value of stores and other materials purchased during the year including articles received from other departments on Return Stores Memo amounted to Rs. 65.69 lakhs as against Rs. 58.87 lakhs in the preceding year. This increase was mainly due to purchase of Cast Iron and Hume Pipe, and Iron Materials etc., from the contractors and the Government during the period under report.
5. Purchases of articles by direct debits to departmental grants amounting to about Rs. 4.54 lakhs were effected during the year under report.
6. Most of the articles purchased during the year were of Indian manufacture and the value thereof amounted to about Rs. 62.45 lakhs; the value of Foreign goods purchased amounted to about Rs. 3.24 lakhs. During the year 12 Import Licences were received amounting to a total purchase of about Rs. 4,05,812 and these were mostly for Fire Fighting Hose, Sluice Valves and spare parts for Crushers.
7. 3,855 orders for the purchase of stores were placed with the contractors and other dealers as against 4,943 orders in 1953-54 and 5,279 orders in 1952-53.
8. 42,268 indents and Sales Memo were received from the departments as against 44,388 in the preceding year.
9. 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 advertisements 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 405 as against 505 in the preceding year.
10. As in the previous years, no dust bins were supplied to the public.
11. Articles received from the contractors and others were examined and compared with the approved samples before acceptance, and the articles which differed from the samples, were rejected and got replaced. The chemical test reports were invariably carried out in case of important paints, turpentine, linseed oils, soaps, disinfectants, etc., S. W. pipes and Hume pipes were however subject to Hydraulic tests before acceptance. Cement supplies were also invariably tested for tensile strength.
12. Mixed scrap received from different departments was sold by public auction and cast iron scrap **Sales of unserviceable articles** was retained for the new foundry at the Municipal Workshop. Brass and other non-ferrous scrap was 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. 32,223 as against Rs. 43,608-2-0 in the preceding year.
13. The total turn-over of the department, viz., the Receipts and Issues of Stores during the year came to Rs. 138.78 lakhs as against Rs. 119.48 lakhs in the preceding year.
14. 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 differences during the year.
15. During the year the annual tenders were invited for the supply of the materials including stationery **General** for the year 1955-56 according to the various schedules and also for the sale of waste papers, firewood for cemeteries, etc.

The value of stores on hand at the close of the year was Rs. 29.34 lakhs as against Rs. 36.75 lakhs in the preceding year.

16. The quantities of C.I. Pipes and Steel purchased were more than those purchased last year. The purchase of each of those articles involved considerable labour and time. There were many difficulties in

obtaining early permits and taking deliveries. The distribution of these items among the departments also involved a good deal of work. The distribution of cement among the contractors and the 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 all the demands.

17. This department is under reorganization by Messrs. Ibcos Ltd., and the various suggestions made by them are being given effect from time to time. According to their recommendations, the potential reduction of staff proposed was 32 per cent. of which a reduction of about 12 per cent is given effect to up to 31st March 1955, 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 which fell vacant due to retirements.

18. During the year under report, Messrs. Ibcos Ltd., were entrusted with the work of Inventory Control and General Stores Expenses for a period of 4 months from 28th September 1954 to 27th January 1955. The reports submitted by them are being put up for the information of the Corporation and the various suggestions made by them will be implemented as far as possible.

19. 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 1954-55.

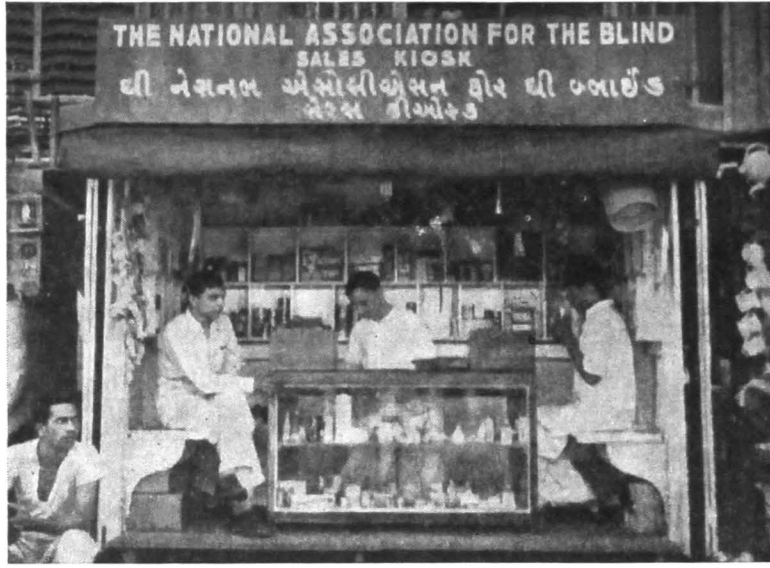
Particulars.	Capital Stores	General Stores.	Line Suspense Account.	Total (2+3+4).
1	2	3	4	5
	Rs. a. p.	Rs. a. p.	Rt. d. p.	Rs. a. p.
Value of stores on hand on 1st April 1954.	25,78,356 12 3	10,10,137 5 5	86,173 0 0	36,74,677 1 8
Value of stores Received including transfers during 1954-55.	48,49,167 6 1	17,12,818 1 7	6,565 12 0	65,68,551 3 8
Total ...	74,27,534 2 4	27,22,955 7 0	92,738 12 0	1,02,43,228 5 4
Less—				
Value of stores issued including transfers during 1954-55.	53,21,876 8 5	19,86,560 6 6	585 1 0	73,09,021 15 11
Balance on 1st April 1955.	21,05,657 9 11	7,36,395 0 6	92,153 11 0	29,34,206 5 5

## APPENDIX 'O'

Statement 'B' showing the details of stock held on 31st March 1954 and 1955.

Particulars.	1954.		1955.	
	Rs.	a. p.	Rs.	a. p.
<i>Capital Account</i>				
(1) Cement (including rapid hardening) ...	1,05,858	11 0	24,058	1 0
(2) Pipes, Manholes, Hydrants, Water and Drainage castings, etc. ...	11,22,637	15 2	9,51,008	8 11
(3) Mild Steel round Bars, Flats, Squares, Plates, etc., G. I. and Black Sheets ...	8,51,201	7 6	7,49,725	4 6
(4) Pipes, Stoneware and Hume ...	31,864	13 0	20,315	13 9
(5) Galvanized and Black Pipes and Fittings ...	2,19,086	11 7	1,99,768	1 5
(6) Lead Pipes, Lead Pig and Lead Wool ...	2,20,216	10 0	1,38,069	14 0
(7) Asbestos Sheets and Pipes ...	27,500	8 0	22,711	14 4
<i>Line Suspense Account</i>				
(8) Water Works Castings on the Line ...	86,173	0 0	92,153	11 0
<i>General Account</i>				
(9) Spindle Brass and Brass Fittings ...	58,651	11 0	63,765	7 0
(10) Meter Parts ...	45,359	3 3	36,592	0 3
(11) Bolts, Nuts, Rivets, Nails, Hinges, Hooks, Eyes, Washers and Hardware etc. ...	34,966	7 0	34,993	7 0
(12) Brooms, Goa and Date and Brushes ...	18,168	5 6	12,127	2 0
(13) Cables and Wire ...	42,742	10 0	29,625	2 0
(14) Electric Accessories, Fans, Bulbs, Electrodes, Dry cells, etc. ...	58,957	7 3	50,304	0
(15) Files and Rasps ...	1,371	1 0	2,673	7 0
(16) Motor, spare parts ...	8,964	5 0	6,007	4 0
(17) Oil, Castor, Coconut, Sweet, Kerosene, Grease and Lubricating, etc. ...	33,948	7 3	10,565	4 7
(18) Timber, Ladder, Shafts, Bhandi wood Nowghani Poles, Plywood sheets etc. ...	17,085	14 0	12,113	3 6
(19) Clothing ...	1,74,920	2 6	1,56,638	0 10
(20) Disinfectants, Tropical Chloride of Lime, Cleaning Powder, Cynogas, etc. ...	16,117	13 0	16,751	7 0
(21) Motor Tyres, Tubes, including tyers from disposal ...	15,317	10 0	3,664	14 0
(22) Tools Machinery, Foot rules, Spanners, Drills, Saws, Auger screws, etc. ...	30,238	13 0	28,248	7 0
(23) Soap and Soda ...	8,543	6 0	11,520	1 0
(24) Baskets Cane, Bamboo and wooden ...	15,897	3 0	13,411	8 0
(25) Buckets, Dust Bins, Ghamellas, enamelware, Glassware, Hurricane Lanterns etc. ...	37,510	5 1	27,790	14 7
(26) Hose-Rubber, Belting-canvas, Paulin Covers, Oil cloth, etc. ...	2,38,137	10 0	1,00,043	10 0
(27) Firewood, Gas Coke, Steam Coal, Coal-tar, Pitch, Charcoal, etc. ...	4,849	0 0	407	11 0
(28) Wires, Brass-rods, Copper Sheets, Zinc Sheets, etc. ...	17,165	12 0	15,227	0 0
(29) Leather Hides, Chamois, Chappals, Plunger, Boots and other Leather articles ...	12,177	4 0	7,809	3 0
(30) Coir goods, cotton goods, Yarn Spun, Waste Cotton, Packing Asbestos, etc. ...	30,284	4 9	30,175	0 9
(31) Crusher Parts ...	193	0 0	193	0 0
(32) Paints, Powders, Linseed Oil and Turpentine ...	42,794	13 0	29,424	5 0
(33) Locks of sorts ...	3,254	5 0	2,905	15 0
(34) Miscellaneous (Polish, Candle, Glue, Gum, Tiles, Powrahs etc.) ...	42,520	8 10	33,417	9 3
Total ...	36,74,677	1 8	29,34,206	5 5

F. D'SOUZA,  
Controller of Stores..



*Squatter licence granted to the National Association for the blind to be run by a blind person*



*Seizur action taken by the Encroachment Removal staff*



# LICENCE DEPARTMENT

The Licence Department comprises three sections namely (1) Licence Section, (2) Encroachment Section and (3) Advertisement Section. During the year under report the Department was in charge of the Deputy Municipal Commissioner (General) till 31st May 1954 from which date Shri C.K. Patel, took over charge as Superintendent of Licence.

## Licence Section

This Section issues licences under Section 394 and 412-A and permits under Sections 390 and 393 of the Bombay Municipal Corporation Act, regulates trades and industry and control the storage of hazardous goods.

During the year under report 36,721 licences were issued. (Please see Appendix 'A' for particulars.)

### Number of Licences Issued.

An amount of Rs. 9,99,242 0 0 was realised as licence fees for the year 1954-55. (Vide Appendix A.) The amount outstanding as Licence fees on 31st March 1955, was Rs. 97,896 in respect of 1663. Notices of Demand, as against Rs. 75,780 in respect of 1558 Notices of Demand on 31st March 1954. The loss of revenue incidental to the disuse or demolition of old licensed places or diversion of their use not entailing licences amounted to Rs. 40,242 as against Rs. 45,740 in the preceding year. Miscellaneous receipt amounted to Rs. 2,382-5-0, as against Rs. 1,064-0-0 in the preceding year. The total amount received and held in deposit during the year was Rs. 1,80,425-13-0.

2,185 Prosecutions were launched for infringement of the sections mentioned above and conviction were secured in 771 cases. The remaining cases were withdrawn as the parties concerned either paid up the licence fees or complied with the requisitions of the Department. (Vide Appendix B).

Owing to the introduction of Zoning System, even petty trades were not allowed to be established in the Residential Zones. It has however now been decided to license petty trades which are like cottage industries and which do not constitute any real nuisance.

On a representation from the Transport Agents about their difficulties to take out licences for different commodities the quantities of which are not known to them and which are stored for a very short period in transit, it was decided to charge them Rs. 50 and issue one composite licence. Vide C. R. No. 276 of 21-7-55

### Consolidated Licences for Transport Agents.

## Encroachment Section

This Section serves double purpose of preventing fresh nuisance from new hawkers and stabilising the existing hawkers. For the former, seizure action is taken with the help of Encroachment Removal Lorries and Preventive Squads posted at focal points in business localities and for the latter licences are issued. It is natural that poor persons for whom it is difficult to find ways and means to make a living resort to hawking on streets. But in a thickly populated City like Bombay, it is a problem for the Municipality and Government to control these hawkers who have proved to be a source of much inconvenience and even nuisance to the general public. Hawking adversely hampers legitimate trade. Just as there is this opposition to hawking there is on the other hand a clamour for increasing hawkers' licences to give employment to needy persons. In order to strike a happy mean between these two diverse views and to keep the city cleaner, healthier and more beautiful, new licences are issued in consultation with the Commissioner of Police after giving necessary consideration to several factors e.g. obstruction to traffic, congestion in localities, inconveniences to residents and pedestrians etc.

The total number of hawker and squatter licences issued during the year was 26,202. A comparative Number of Hawkers statement is (vide Appendix C).

### Licences.

An amount of Rs. 4,29,804—0—0 was realised as licence fees. The removal charges recovered under Section 490 amounted to Rs. 1,78,121—0—0 (Vide Appendix C.). The outstanding amount of licence fees from squatter licensees as on 31st March 1955, was Rs. 15,652-7-0. There was no loss of revenue incurred incidental to the cancellation of Reserved

### Area.

With a view to improving the working of the section the following steps were taken :—

- (1) Work of issuing new licences was transferred from Ward Office to Head Office.
- (2) Two branches of the section viz., Licensing Branch and Encroachment Removal Branch were centralised and housed into two different Ward Offices, viz., Null Bazaar and Sankli Street, respectively.
- (3) Revoing Hand Cart Licences and Stationary Hand Cart Licences were given number plates to facilitate weeding out of unauthorized hnda carts.
- (4) Concessions of paying monthly fees was given to Licensees on payment of prescribed additional charges.
- (5) Surprise mass raids in Reserved Areas were planned and carried out.
- (6) Surprise mass raids for seizure action were arranged with the Police Department.

(7) Acceptance of applications with photos and the presence of applicants at the time of lottery was insisted on with a view to avoiding bogus applications.

(8) A drive for removing the hawkers selling foodstuffs in the vicinity of schools was undertaken. *Work of Lorrys. (Vide Appendix 'D')*

#### Advertisement Section

This Section enforces Sections 328 and 328-A of the Bombay Municipal Corporation Act and thereby **General.** regulates various types of advertisements in the City.

The total number of permits for Advertisement issued during the year under report was 3,645. (*Vide No. of Permits. Appendix E.*)

The total amount received and held in deposit during the year was Rs. 1,80,425-13-0.

Entire inspectorial staff of the Licence Section was mobilised and surprise mass checking of Advertisements was carried out in February 1955. As a result of this a number of unreported **Surprise Mass Checkings.** Advertisements were detected and charged.

4,508 Prosecutions were launched for contravening Section 328 and 328-A and convictions were secured in 38 cases. The remaining cases were withdrawn as the parties concerned either **Prosecutions.** paid up licence fees, or complied with the requisitions of the Department (*vide Appendix F*).

The total revenue of this Department during the year was Rs. 20,23,137 as against Rs. 20,93,834, in **Total Revenue.** the previous year.

**C. K. PATEL,**  
*Superintendent of Licences.*

## APPENDIX A

Statement showing the number of licences and permits issued and amount of fee recovered in the years 1952-53 to 1954-55.

Particulars	NUMBER OF PERMITS AND LICENCES			AMOUNT OF FEE RECOVERED		
	1952-53	1953-54	1954-55	1952-53	1953-54	1954-55
				Rs.	Rs.	Rs.
Commodities and trades (Section 394) ...	32,633	32,426	32,713	9,89,946	9,83,606	9,64,004
Steam whistle blowing (Section 393) ...	44	40	46	880	810	1,000
Milk Products, Ghee and Butter (Section 412A) ...	1,378	1,320	1,267	8,889	8,565	8,042
Factories (Section 390) ...	165	187	155	17,275	27,239	17,707
Transfer of Licences (Section 394 and 412A) ...	2,402	2,690	2,538	8,178	8,959	8,483
Transfer of Permits (Section 390) ...	27	9	2	172	75	6
Total ...	36,649	36,672	36,721	10,25,340	10,29,254	9,99,242

## APPENDIX B

The number of prosecutions launched by Licence Section during the year 1952-53 to 1954-55 and the results thereof.

Year	Offence against Section	Total number of cases instituted	Number of cases with drawn on compliance with law	Number of cases which resulted in conviction	Amount of fines inflicted	Number of cases which resulted in aquittals	Number of cases remaining undisposed of on 31st March of the year	
1952-53	...	394	1,926	1,362	521	27,055	4	431
1953-54	...	394	2,205	1,262	805	39,746	26	543
1954-55	...	394	2,161	1,496	770	19,107	20	48
1952-53	...	412A	42	31	2	39	...	23
1953-54	...	Do.	53	39	1	5	...	36
1954-55	...	Do.	24	34	1	5	...	25

## APPENDIX C

Statement showing the number of Hawkers and Squatter's licences issued and amount of fees collected during the years 1952-53 to 1954-55.

Particulars	NUMBER OF LICENCES ISSUED			AMOUNT OF FEES COLLECTED		
	1952-53	1953-54	1954-55	1952-53	1953-54	1954-55
				Rs.	Rs.	Rs.
Squatters' fees collected in Reserved Area (Under Section 313).	27,640	24,960	21,185	3,63,507	3,50,057	4,06,255
Fees received from itinerant hawkers' licences (Under Section 318-A).	8,345	5,432	5,017	25,937	25,221	23,349
Total ...	35,985	30,392	26,202	3,89,444	3,75,278	4,29,804
Recovery of expenses (Under Section 490) for removal of encroachment under Section 314.	...	...	...	1,82,526	2,09,322	1,78,121
Total ...	35,985	30,392	26,202	5,71,970	5,84,600	6,07,925

## APPENDIX D

Summary of Encroachments seized and the Revenue realised therefrom during the year 1954-55.

Lorry Supervisor No.	Total No. of hawkers tackled during the year	Total No. of Items seized during the year (approximately)	Total No. of unauthorized Hand-carts sized during the year			Total Revenue Released
			of Rs. 25/-	of Rs. 6/-	of Rs. 4/-	
No. I ...	18,624	49,248	59	600	600	29,933 8 0
No. II ...	18,780	33,499	51	590	781	27,494 14 0
No. III ...	24,358	76,445	86	660	588	31,422 4 0
No. IV ...	19,969	37,341	72	659	554	26,892 8 0
No. V ...	18,346	32,979	108	533	466	29,933 8 0
No. VI ...	19,084	43,998	143	623	388	29,099 12 0
Grand Totals ...	1,19,161	2,73,328	519	3,665	3,377	1,74,776 6 0

## APPENDIX E

Statement showing the number of permits for advertisements issued and amount of fees collected during the year under Section 328 and 328A.

Particulars	NUMBER OF PERMITS ISSUED			AMOUNT OF FEES COLLECTED		
	1952-53	1953-54	1954-55	1952-53	1953-54	1954-55
				Rs.	Rs.	Rs.
Wall posters, hoardings and boards ...	1,524	1,685	1,432	1,28,698	1,86,608	1,60,642
Movable boards on hand-carts, etc. ...	328	398	517	67,977	1,45,488	80,778
Illuminated advertisements and sky signs ...	388	821	937	35,542	76,657	99,277
Non-illuminated sky-signs and advertisements ...	589	610	648	36,026	27,335	24,457
Non-illuminated kiosks (Number of kiosks) ...	34	26	23	10,758	11,340	12,165
Wall Paintings ...	45	53	88	5,468	15,192	21,152
Auctioneers ...	...	...	...	...	...	...
Space Rent ...	...	...	...	...	...	...
Composition for delayed payment ...	...	...	...	6,931	17,360	12,499
Total ...	2,908	3,592	3,643	2,91,400	4,79,980	4,15,970

## APPENDIX F

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 with drawn on compliance with law	Number of cases which resulted in conviction	Amount of fines inflicted	Number of cases which resulted in acquittals	Number of cases remaining undisposed of on 31st March of the year
					Rs.		
1952-53	328 & 328A	567	330	47	820	5	381
1953-54	... Do.	1,757	1,166	99	979	4	869
1954-55	... Do.	4,508	3,354	38	390	9	1,974

# SHOPS AND ESTABLISHMENTS

Subject: Administration report for the year 1954-55.

Shri V. G. Sabnis, was in charge of the Department upto 9th May 1954 and Shri N. M. Haecms, during the remaining period of the year.

2.—Registration.—The total number of establishments on 31st March 1954 and 31st March 1955 under the various categories stood as under :—

Category.	31-3-1954	31-3-1955
Shops	59,725	62,813
Commercial establishments	17,507	18,223
Residential hotels	239	211
Restaurants and Eating Houses	4,869	4,882
Theatres, etc.	74	74
Total ...	82,414	86,203

3. Complaints.—2,177 complaints were received during the year in addition to 232 complaints which were pending at the close of the preceding year. Of these, 2,387 complaints were investigated, while in 22 cases, investigations were not complete till the close of the year. Action was taken wherever necessary.

4. Mass Raids.—367 Mass raids—197 during day time and 170 during night time—were carried out during the year, besides the visits paid by the respective Inspectors in the course of their usual duties.

5. Visits and Revisits.—The total number of visits paid to the different types of establishments was 60,108 (48,447 shops, 6,600 commercial establishments, 184 Residential Hotels, 4,760 Restaurants and Eating Houses and the remaining 117 theatres, etc.)

6. Prosecutions.—3,796 cases were filed during the year while 83 cases were withdrawn. A statement showing the number of prosecutions launched, fines inflicted, etc., during the year ended 31st March 1955 and also 31st March 1954 is given in Appendix 'A'.

## APPENDIX A.

Year.	Cases pending from the previous year.	Cases filed.	Cases disposed of.			Total.
			convictions.	withdrawals.	acquittals.	
1	2	3	4	5	6	7
1953-54	1,021	3,885	3,899	508	21	4,428
1954-55	478	3,796	3,463	83	20	3,566

	Cases pending at the close of the year.	Fines.	Average fine per case.	Remarks.
	8	9	10	11
1953-54	478	Rs. 1,27,481.	Rs. 32-11-2	...
1954-55	708	Rs. 1,17,518	Rs. 33-14-8	...

Out of the 83 court cases withdrawn, 53 were due to the establishments having charged hands, 20 due to the establishments having closed down, 1 due to the accused (who was an employee) having left service and the remaining 9 due to miscellaneous reasons, where the accused persons were adjudged insolvents or dead when the cases came up for hearing, etc. Out of 20 acquittals, one was due to the accused being out of Bombay and the other on account of the Inspector being on sick-leave for a long time. In 10 cases the accused were given the benefit of doubt by the Learned Magistrates and in 8 cases the accused were acquitted on the ground that they turned out to be lunatics, members of the employer's family, etc.

In the revision Application No. 914 filed by the Municipality in case No. 100 SEM in the High Court for enhancement of the fine viz., Rs. 15 and Rs. 10 respectively imposed on each count by the lower court, against the minimum fine of Rs. 25 prescribed under Section 52 of the Bombay Shops and Establishments Act, 1948, the High Court enhanced the fine to Rs. 25 for each of the offences.

7. Financial.—Government sanctioned a grant in aid of Rs. 1,27,481 for the year 1953-54, while an amount of Rs. 13,501-2-0 was realised by the Municipality by way of Registration fees, etc., during the same year. As the total expenditure incurred by the Municipality during the same year was Rs. 2,76,948 the necessity for adequately increasing the grant-in-aid payable by Government to the Municipality for administering the Act, with a view to lightening the burden of the cost of administration of the Act by the Corporation, was brought several times to the notice of the Government who, however, shelved the issue on one or the other ground. Income from Registration fees etc., for the year 1954-55 was Rs. 13,963 and fines inflicted amounted to Rs. 1,17,518.

8. *Reorganisation.*—As a result of reduction of 9 posts of Inspectors from 1st December 1953 due to re-organization of the Department, the number of visits to establishments has fallen by 7,402, there has been no appreciable fall in the number of prosecutions launched during the year under report.

### Theatre Tax

The administration of the Theatre Tax Section for the purpose of recovery of the Theatre Tax continued to be under the supervision and control of the Chief Inspector, Shops and Establishments.

*Rates of Theatre Tax.*—Corporation sanctioned the levy of Theatre Tax for the year 1954-55 at the rates shown in Appendix 'B' which were the same as for the previous year :—

### APPENDIX B

Type of entertainment.	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.

A rebate of 12½ per cent. and 20 per cent. was allowed on these Taxes for class I and Class II cinema theatres respectively on the condition that they paid the tax in advance for the anticipated number of shows for the full month within the first five days of the month. There were in all 25 Class I and 31 Class II cinema theatres and the Tax was generally paid by them regularly. Reclassification of 4 class II cinema theatres into class I during the year under report, has resulted in the increase of revenue by about Rs. 14,200. Theatre Tax was also recovered in respect of the various Dramas, Dances, Variety Entertainment programmes held in the different Halls, theatres and other places in the City where the admission was on payment.

Exemption from payment of Theatre Tax was granted to performances which in addition to being exempted from payment of Entertainment Duty by the Commissioner of Police, were held for the benefit of bonafide charities or for the uplift of cultural and educational activities.

A new Rule *viz.*, No. 3A was incorporated in the Theatre Tax Rules with the sanction of the Standing Committee, which empowers the Municipal Commissioner to grant a rebate of 12½ per cent. and 20 per cent. to Class I and Class II Cinema Theatres respectively, provided the Tax for the whole month is paid in advance within the first five days of the month. The Rule further empowers the Municipal Commissioner to grant rebate with the sanction of the Standing Committee not exceeding 20 per cent., subject to the same condition of advance payment, and in exceptional cases even in the absence of such advance payment, in respect of circus, carnival, fete, drama, etc.

*Income and Expenditure.*—The income derived during the year by way of Theatre Tax was Rs. 5,39,360 and the expenditure incurred was Rs. 16,305. The total income of the Department during the year under report was Rs. 5,55,147, comprising of (1) Registration, etc., fees, Rs. 13,963, (2) Miscellaneous Receipts Rs. 1,824, and (3) Theatre Tax Rs. 5,39,360.

N. M. HAEEMS,  
Chief Inspector,  
Shops and Establishments.

# MARKETS AND SLAUGHTER HOUSES

1. Dr. L. M. Hira G.B.V.C. M.R.San.I. was in charge of the Department throughout the year under report.

2. Fresh wholesome food being a daily necessity the importance of the Markets in the economic life of the City can be gauged from the fact that roughly over a lakh of people make purchases from the Markets which are called upon to handle enormous quantities of fruits, vegetables, fish, meat, poultry, provisions, etc., for local consumption as well as for trade purposes elsewhere.

3. There were in all 42 Markets interspersed in different localities of the City. Out of these, 21 Markets including 2 Squatters Areas, viz., Nowroji Hill Road and Parea Village as also the Plantain Market at Byculla recently taken possession of from the Ex-lessee were the property of the Municipal Corporation, while the rest were owned by private individuals and Trusts. The amount of licence fees realised from the owners of the Private Markets was Rs. 76,242 as against Rs. 81,625 in the previous year. The licence fee in respect of two Private Markets remained to be realised as the matter was still under negotiation. A Private Market at Grant Road popularly known as Dr. Hakim's market was closed down during the year.

4. The stalls in the various Municipal Markets continued to be well-occupied throughout the year. In the Erskine Road and Chowpatty Markets, however, a number of stalls remained vacant due to the unfair competition from the outside Squatters in the vicinity of these Markets. Appendix 'A' shows the number of stalls occupied and vacant, and the gross receipts and expenditure, etc., in respect of Municipal Markets and Squatters' Areas.

5. During the year, there were 189 licensed Outside Meat Shops spread all over the City for the sale of Mutton, Beef and Pork as against 188 in the preceding year and the licence fee received therefrom was Rs. 14,244.

6. The total receipts for the Department amounted to Rs. 37,00,885 as against Rs. 36,14,250 in the previous year. The increase of Rs. 86,636 was mainly due to the increase in the receipts from stallage charges squatters fees and realisations from the Scale-Shed. Appendix 'B' shows the amounts realised during the year, under different important items of revenue together with those of the previous year.

7. The work of collecting fees on the parcels arriving at the Scale-Shed of Arthur Crawford Market continued to be done departmentally. The revenue collected from this source amounted to Rs. 5,49,063 against Rs. 4,59,340 realised during the preceding year.

8. *Cold Storage Plant.*—The Cold Storage Plant in the Arthur Crawford Market consists of 3 Chambers, one each for storing Fish, Mutton and Fruit, Vegetables and Eggs. The Plant has an Ozone generator for deodorising and destroying bacteria in the Chambers. It is capable of holding the perishable produce in its three Chambers at temperatures varying from 25°F to 40°F.

The revenue from this plant has risen steadily. The following statement shows the approximates of the weights of the goods dealt with at the Arthur Crawford Cold Storage during the year 1954-55.

Commodity.	Year ended.		Amount realized.	
	31st March 1955	31st March 1954	1955	1954
	Lbs.	Lbs.	Rs.	Rs.
Fish ... ..	54,36,800	52,40,400	54,369 5 0	52,405 1 0
Mutton & Kena ... ..	6,79,600	6,55,050		
Fruit & Vegetables ... ..	27,18,400	26,20,000		
Eggs ... ..	11,78,060	11,09,160		
Milk and Milk Products ... ..	7,36,320	7,09,540		

Facilities were granted to a number of officers from different States and groups of students from Colleges and Institutions, to visit the Cold Storage Plant.

9. All the Markets were regularly supervised. Various types of obstructions and encroachments, as also nuisances caused on account of throwing of refuse in the passages of the Markets and indiscriminate spitting of Pan-Juice, etc., were dealt with and steps were taken to educate the stall-holders in the matter of observing clean and healthy habits and inculcating civic sense among the persons working in the Markets.

10. The question of inducing squatters outside the Markets or on the roads to occupy stalls provided in the Markets was being tackled through public co-operation and sustained Municipal efforts. In the prevailing circumstances, the insanitation and congestion in Markets are problems which require to be tackled.

11. *Improvements effected.*—The following improvements and expansions to the Municipal Markets were carried out during the year:—

(a) In the Arthur Crawford Market, the entrances and the exterior of the main building were oil-painted; six new egg-stalls were constructed; The roof of the main Scale-Shed in the Arthur Crawford Market was renewed.

(b) At the Masjid Bunder Market, one W.C. Block and 4 urinal seats were provided.

- (c) In the Erskine Road Market the flooring was raised in Date and Gur Sections to avoid flooding, etc., in monsoon.
- (d) At the Padder Market, certain roadways were resurfaced.
- (e) In the Kamathipura Market, Matton and Vegetable Sections were remodelled and 3 collapsible gates were also provided. Twelve additional R.C.C. stalls were added in the Vegetable Section.
- (f) At DeLisle Road Sheep Market, two new W.I. entrance gates were provided in place of the old ones.
- (g) In the Capi Tank Market, temporary Sheds with proper roofing and Pucca pavement were provided for the Vegetable Squatters.
- (h) In the Gold Mohur Castle Market a washing place was renovated.
- (i) At Elphinstone Road Market a Water Storage Tank was provided for washing purposes.
- (j) In Dadar Market a channel drain with C.I. grating was provided at the entrance of the Fish Section to prevent stagnation of water.
- (k) In Fort Market Sky-lights were provided in the Fish Section to admit more light.
- (l) In the Worli Market a channel drain with C.I. grating was provided in the Vegetable Section.

12. Increased supplies of fish in recent years have made it imperative to provide adequate marketing facilities. The first step in this direction was taken by the Bombay Municipal Corporation which put up in 1951 a new structure at the Arthur Crawford Market to cater for the City's fish trade. The new Fish Section has many facilities including an electric lift for the purpose of conveyance of fish consignments.

13. *Food Inspection.*—Inspection of meat, fish, fruit and vegetables is one of the responsibilities of the Market Department, for the examination of which a number of Veterinary Officers and Sanitary qualified Inspectors are appointed with a view to preventing the exposure for sale of unsound or unwholesome food for human consumption. A total quantity of 3,93,975 lbs. of unwholesome food was destroyed during the year.

14. Surprise raids to detect the smuggling of animals and contraband meat and unauthorized slaughter were systematically carried out and the total quantity of contraband meat seized and destroyed was 42,594 Lbs. as against 21,579 Lbs. in the preceding year. In all 626 seizures were effected in different parts of the City and 528 prosecutions were instituted resulting in conviction of 250 persons and recovery of fine amounting to Rs. 5,361. The amount realized by selling 83 seized animals by auction was Rs. 3,324. Besides this, over Rs. 2,330 were recovered by way of penalty for importing animals into the City without requisite permits.

15. *Miscellaneous.*—With a view to regulating the fruit and vegetable trade in the City, high level discussions and meetings were held with the Government representatives and others and as a result certain improvements were effected.

16. The Superintendent of Markets continued to act as a member of the Bombay State Fruit and Vegetable Market Committee and in that capacity visited, along with other members, important vegetable producing centres like Ahmedabad, Baroda, Surat, Poona, Belgaum and Sholapur with a view to studying the working of Fruit and Vegetable Markets and advising in the matter of regulating markets in those areas. Possibilities of importing more vegetables into the city were also explored.

17. At the request of the Indian Council of Agricultural Research and Directorate of Marketing Inspection, Ministry of Food and Agriculture, New Delhi, arrangements were made by this department to market over 30,000 defertilized eggs received from Qilou, Travancore State. This scheme considerably helped in preserving eggs in good condition for a longer period specially, in the hot season and also proved of great advantage to both, the producer and the consumer alike.

Similarly a big producer in Gwalior was helped in marketing over 500 baskets of fresh green peas in local markets.

At the instance of the Government of India, Ministry of Commerce a few consignments of graded mangoes were despatched by air to the British Industrial Fair, London, with a view to finding new markets for Alphonso Mangoes.

18. As there was a persistent demand for licensed "Hamals" nearly 4,000 Porters were licensed to work in some of the prominent Markets and they were issued new metal armlets for this purpose.

### SLAUGHTER HOUSES

19. There are 3 main Slaughter Houses and all except the Jhatka Slaughter House which is privately owned are run by the Corporation. The revenue derived from this source amounted to Rs. 9,70,000 as against Rs. 9,84,867 last year. This slight fall in the revenue was due to certain restrictions imposed on slaughter of Horned Cattle.

20. The position of the Bandra Slaughter House is unique not only in the State of Bombay but in the whole of India. The premises at Bandra Slaughter Houses cover an area of nearly 48 acres and comprise Beef and Matton Sections with lairs, pens, stables, etc., together with separate sheds for the treatment of blood, casings and offals, as also a Fair Ground for assembling sheep, goats and horned cattle. Considered by present-day standards, the Slaughter Houses are old-fashioned but, nevertheless, the output from this centre is probably unequalled anywhere in the country.



21. 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.
1954-55 ..	5,712	69,251	13,96,315	89	668	7,837
1953-54 ...	5,632	77,675	13,27,463	92	506	7,427

The number of pigs and piglings brought for slaughter at the Arthur Road Slaughter House during the year was 9,885 and 438 respectively, out of which 9,685 pigs and 486 piglings were slaughtered, as against 12,161 pigs and 535 piglings slaughtered last year. The decrease in the number is due to less overseas demand.

22. The principal causes of ante-mortem rejections were Emaciation, Exhaustion, Pregnancy, Sheep-Pox, Foot-rot and other diseases or infections rendering meat unfit for human consumption. In case of Buffaloes and Cattle, most of the rejections were due to animals being young and fit for breeding, milk, or farm purposes.

The chief causes of post-mortem condemnation were Cysticercus Bovis, Liver Fluke, Abscesses, Bruises, Emaciation, Hydatid-Cysts, and Parasitic nodular infections of liver and lungs. The main causes for rejection of pigs were Tuberculosis, Pregnancy, Cysticercus Cellulosa, Rash, Bruises, Cysts and injuries.

Government Veterinary staff was daily posted in the Slaughter House compound to inspect the horned cattle according to the provisions of the Cattle Preservation Act. Rigid inspection of slaughtered animals included ante- and post-mortem examinations and grading and stamping of dressed carcasses, rejection and destruction of unwholesome meat, etc. was done by qualified Veterinary staff.

23. The approximate weight of dressed carcass meat of buffaloes and cattle was 7,274 tons, of sheep and goats 9,377 tons and that of pigs 265 tons. Greater part of this meat went towards meeting the requirements of the City, small quantities being exported overseas. The quantity of meat rejected and destroyed as unfit for human consumption was 21.12 and 6.12 tons of horned cattle, sheep and goats and pigs, respectively, which worked out to .29, .13 and 2.31 per cent respectively of the total meat.

24. The details with regard to the number of animals and the fees realized, etc., are shown in Appendix 'C'. The Fair Ground fees at the Bandra Slaughter Houses were collected departmentally. An amount of Rs. 92,574-10-9 was recovered at the Bandra Slaughter Houses during the period from 1-12-1953 to 28-2-1955 as enhanced entrance fee and the same was transferred to Budget D. Likewise an amount of Rs. 37,173-2-0 recovered as slaughter fees for the period from 4-4-1952 to 31-3-1954 was refunded to Budget 'D' during the year under report.

25. With a view to implementing one of the important recommendations made by the Masani Committee for the improvement of Slaughter Houses, action was taken to remove the Kena sellers from within the precincts of the Slaughtering Chambers.

Another improvement was also effected by removing the offals from day to day at night-time and this had considerably mitigated the vulture nuisance at the Bandra Slaughter House.

26. The Expert Committee on the prevention of slaughter of Cattle, appointed by Government of India, Ministry of Food and Agriculture, under the Chairmanship of the Animal Husbandry Commissioner with Government of India (Dr. P. N. Nanda) visited the Bandra Slaughter House and were shown round the Fair Ground, Slaughtering Chambers, etc.

L. M. HIRA,  
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 1954-55.	Squatter fees, licence fees etc., 1954-55.	Total gross receipts 1954-55.	Total expenditure 1954-55.	Net receipts 1954-55.	Net receipts 1953-54.	Increase or decrease in the net receipts over the previous year.	Total cost of Markets upto 31-3-55.	Percentage of Net Receipts on the cost.
	1954-55	1953-54	1954-55	1953-54									
Colaba ...	45	45	3	3	Rs. a. 15,482-5	Rs. a.p. 12,060-12-0	Rs. a.p. 27,543-1-0	Rs. 11,676-5	Rs. a. 15,866-12	Rs. a. 16,702-7	— 835-1	Rs. 97,756	16.2
Fort ...	170	170	6	6	52,334-4	16,298-5-0	68,632-9-0	19,131-8	49,501-1	50,416-15	— 915-14	4,30,880	11.4
*Arthur Crawford	1,020	1,019	17	11	6,13,619-7	7,49,708-14-0	13,53,328-5-0	3,22,714-4	10,40,614-1	9,36,942-14	+ 10,3671-3	24,22,789	42.9
Pork(Dhobi Talao)	3	3	...	...	5,430-0	6-0-0	5,436-0-0	1,758-10	3,677-6	4,475-3	— 797-13	20,888	17.5
Bhuleshwar ...	201	201	13	12	50,034-2	645-8-0	50,679-10-0	16,218-12	34,460-14	34,154-6	+ 306-8	29,427	117.0
Masjid Bunder ...	4	4	...	...	519-2	9,145-13-0	9,664-15-0	8,147-14	1,517-1	19-3	+ 1,497-14	17,346	8.7
Erakine Road ...	815	815	123	119	2,18,245-5	37,654-6-0	2,55,899-11-0	83,102-0	1,72,797-11	1,59,339-5	+ 13,458-6	5,97,612	28.9
Pedda (Mazgaon)	24	24	...	...	8,857-9	25,733-11-0	34,591-4-0	16,404-7	18,186-13	14,086-15	+ 4,099-14	57,863	31.4
Chowpatty ...	69	69	22	21	6,527-13-6	7,932-12-0	14,460-9-6	11,658-5	2,802-4-6	2,473-1	+ 329-3-6	4,67,280	0.6
Fergusson Road...	24	24	3	2	9,270-0	28,345-5-0	37,615-5-0	15,553-4	22,062-1	15,748-14	+ 6,313-3	25,473	86.07
** Kamatipura ...	84	88	15	18	18,268-6	9,024-8-0	27,292-14-0	17,063-3	10,229-11	11,963-13	— 1,734-2	55,498	18.4
DeLisle Roadsheep	48	48	...	...	24,535-0	2,896-0-0	27,431-0-0	13,593-14	13,837-2	9,816-10	+ 4,020-8	25,000	55.3
New Worli ...	43	43	4	5	20,281-11	20,605-11-0	40,887-6-0	12,702-7	28,184-15	23,356-14	+ 4,828-1	1,79,947	15.6
Prabhadevi ...	9	9	...	...	3,420-0	20,686-15-0	24,106-15-0	11,658-1	12,448-14	9,963-11	+ 2,485-3	23,819	52.2
Elphinstone Road.	39	39	...	...	16,284-0	49,401-3-0	65,685-3-0	19,571-4	46,113-15	45,537-1	+ 576-14	31,843	144.8
Dadar ...	10	10	...	...	4,220-0	1,09,816-7-0	1,14,036-7-0	45,991-12	68,044-11	66,698-15	+ 1,345-12	1,51,676	45.2
Gopi Tank market	11	11	...	...	10,742-14	39,098-9-0	49,841-7-0	14,273-5	35,568-2	27,456-5	+ 8,111-13	64,790	53.3
Gold Mohur castle	...	...	...	...	...	3,15,269-0-0	3,15,269-0-0	74,205-4	2,41,063-12	2,32,992-5	+ 8071-7	5,16,603	46.3
§Plantain Mkt. at Byculla	...	...	...	...	...	10,193-10-0	10,193-10-0	8,810-10	1,383-0	...	...	...	...
<b>Squatter Areas:-</b>													
Nowroji Hill ...	...	...	...	...	...	56,850-4-0	56,850-4-0	13,861-8	42,988-12	39,875-14	+ 3,112-14	...	...
Parel Village ...	...	...	...	...	...	2,350-9-0	2,350-9-0	2,182-5	168-4	747-14	— 579-10	...	...
<b>Total</b> ...	<b>2,619</b>	<b>2,622</b>	<b>206</b>	<b>197</b>	<b>10,78,071-14-6</b>	<b>15,23,724-2-0</b>	<b>26,01,796-0-6</b>	<b>7,40,278-14</b>	<b>18,61,517-2-6</b>	<b>17,02,768-9</b>	<b>+ 1,62,228-11-6</b>	<b>52,16,450</b>	

\* One additional egg stall has been created during the year under report in Arthur Crawford Market.

\*\* As a result of reorganisation of the mutton and vegetable sections of the Kamatipura Market there is reduction of 4 stalls in that market.

§ The above Plantain Market was taken possession of from the ex-lessee in August 1954 and being run by the department since then.

L. M. HIRA,  
Superintendent of Markets and  
Slaughter Houses.

## APPENDIX 'B'

Statement showing the receipts under different items during the year 1954-55 and those of the previous year.

Serial No.	Particulars.	1954-55.		1953-54.	
		Rs.	a. p.	Rs.	a. p.
1	Stallage charges .. .. .	10,78,071	14 6	10,71,788	6 0
2	Squatter Fees .. .. .	8,75,177	10 0	8,58,431	6 0
3	Fair Ground fee at Bandra Slaughter House ..	3,76,980	10 0	3,37,584	3 6
4	Slaughter and removal fees collected at the Bandra Slaughter House, DeLisle Road Sheep Market and Pig Slaughter House.	5,65,747	12 0	6,03,503	9 0
5	Licence fees from stalls and shops in the Municipal Markets	8,010	0 0	8,002	0 0
6	Licence fees for doing different types of business at Bandra Slaughter Houses.	14,212	0 0	11,505	0 0
7	Licence fees from Private Market's owners .. .. .	76,242	4 0	81,625	1 0
8	Licence fees from firms dealing in foreign fish and imported meat, etc.	2,200	0 0	2,000	0 0
9	Licence fees for outside meat shops .. .. .	* 369	0 0	11,917	4 0
10	Licence fees from butchers in Private Markets .. .. .	* 164	0 0	2,310	0 0
11	Licence fees from brokers in different Municipal Markets ..	24,277	0 0	17,209	0 0
12	Licence fees from Kamatries, slaughterers etc, in Arthur Road Slaughter House, Zarka Slaughter House, etc.	* 215	0 0	955	0 0
13	Scale fees at A. C. Market. ....	5,49,063	5 6	4,59,340	14 0
14	Sale of the Right of blood at the Bandra Slaughter House ..	11,251	0 0	19,101	0 0
15	Sale of the Right of removing bone pieces at Bandra Slaughter House.	350	0 0	315	0 0
16	Nokarnama Fees .. .. .	1,537	0 0	1,660	0 0
17	Cold Storage Fees .. .. .	54,369	5 0	52,405	1 0
18	Ground Rent .. .. .	18,931	0 0	24,394	0 0
19	Chawl Rent .. .. .	11,971	3 3	11,903	8 0
20	Miscellaneous Receipts .. .. .	31,745	10 6	38,299	5 0
	Total Rs. ..	37,00,885	10 9	36,14,249	9 6

\* A sum of Rs. 22,000 has been held under Deposit.

L. M. HIRA,

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 1954-55.

Description of animals.	April 1954.	May 1954.	June 1954.	July 1954.	August 1954.	September 1954.	October 1954.	November 1954.	December 1954.	January 1955.	February 1955.	March 1955.	Total No. of animals.	Total amount of slaughter fees, etc.
Buffaloes ... ..	440	488	472	464	492	441	470	465	476	470	442	471	5,591	Rs. 83,865 0 0
Buffaloes removed to Bombay ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buffaloes for private slaughter in Bombay ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cows (Bombay) ... ..	782	811	906	842	819	770	798	767	885	886	844	784	9,894	9,894 0 0
(Bandra) ... ..	4,787	4,864	4,536	4,707	4,893	4,266	5,288	4,764	5,673	5,775	4,430	4,197	58,180	87,270 0 0
Bullocks ... ..	77,055	80,644	82,433	88,448	71,342	81,377	1,12,195	73,260	84,677	83,367	77,356	89,033	10,01,187	2,50,296 12 0
Sheep and goats for Bombay ... ..	4,450	4,916	5,022	5,254	4,526	4,997	4,721	4,262	5,060	4,822	4,231	4,746	57,007	10,688 13 0
Do. Bandra ... ..	802	604	679	877	853	768	829	813	1,477	750	792	641	9,885	12,356 4 0
Pigs imported at Arthur Road Slaughter House ... ..	47	34	16	24	28	46	41	38	88	43	54	29	488	488 0 0
Do. do. do. ... ..	788	632	678	802	796	762	857	742	1,409	802	731	686	9,685	12,106 4 0
Pigs slaughtered at Arthur Road Slaughter House ... ..	47	34	16	24	28	46	37	40	88	43	54	29	486	182 4 0
Do. do. do. ... ..	3	4	3	30	4	3	15	2	34	6	5	3	112	112 0 0
Slaughtered piglings imported for private consumption in Bombay ... ..	7	...	1	1	...	2	1	...	1	...	2	...	16	80 0 0
Live horned cattle removed to Bombay ... ..	1	...	...	1	...	...	1	...	...	...	...	...	6	12 0 0
Live horned cattle removed to Bandra ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Live horned cattle removed for shipping ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Live horned cattle for private slaughter in Bombay ... ..	3,066	3,671	3,653	4,451	5,759	4,652	5,029	4,004	4,451	5,866	5,120	5,445	55,167	55,167 0 0
Live sheep and goats removed to Bombay ... ..	9,699	9,734	8,903	10,402	7,815	9,367	10,346	9,211	9,910	12,259	9,224	11,957	1,18,827	44,560 4 0
Do. do. Bandra ... ..	80	104	65	408	390	45	1,142	53	84	...	25	...	2,396	898 8 0
Do. do. for shipping ... ..	27	2	3	1	7	34	5	11	...	1	...	29	120	120 0 0
Live sheep and goats for private slaughter in Bombay ... ..	2,047	2,647	2,430	3,872	2,880	2,939	2,681	3,047	3,867	4,178	3,068	4,337	37,993	37,993 0 0
Live sheep and goats removed by DeLisle Road Sheep Market Fadkarees ... ..	435	831	667	1,600	107	760	1,203	1,089	1,576	2,044	1,026	1,315	12,653	3,163 4 0
Live sheep and goats slaughtered in the chamber of DeLisle Road Sheep Market ... ..														
<b>Total ...</b>	<b>1,04,563</b>	<b>1,10,020</b>	<b>1,10,483</b>	<b>1,22,208</b>	<b>1,00,740</b>	<b>1,11,275</b>	<b>1,45,659</b>	<b>1,02,569</b>	<b>1,19,756</b>	<b>1,21,313</b>	<b>1,07,404</b>	<b>1,23,703</b>	<b>13,79,693</b>	<b>6,09,253 5 0</b>

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L. M. HIRA,  
Superintendent of Markets & Slaughter Houses.

# MUNICIPAL PRINTING PRESS

Subject:—Administration Report for the year 1954-55.

Shri S. G. Tolat, B.A.(Hons.), continued to be incharge of the Press throughout the year.

Of the 93 tons of paper under Government release orders for Bleached and Unbleached varieties, all the qualities and quantities have been received from the Mills. In addition to this, 39 tons of Foreign Bleached paper had to be purchased from the local market for specialized jobs.

The printing work of all the Departments of the Corporation had increased this year. Over and above their Budget Estimates, Establishment Schedules, M. C. A.'s Administration Report, Electric Supply, Motive Power and Domestic Electrical Appliances Hire Bill Forms, Mileage cards and Bus Fares Tables, several other jobs were also executed for the B. E. S. & T. Undertaking at a total cost of Rs. 1,64,800.

The statement of jobs carried out and the pages printed for the Corporation and its various Committees as well as for the B. E. S. & T. Undertaking during the year under report as compared with those in the previous year is given below:—

Description.	1953-54.		1954-55.	
	Jobs.	Pages.	Jobs.	Pages.
Departmental Printing	6,723	...	6,924	...
Departmental Stationery	1,175	...	1,320	...
Private Parties Printing	104	...	85	...
B. E. S. & T. Printing	55	...	209	...
Corporation and its Committees	...	24,260	...	25,364
Corporation and its Record	...	7,538	...	6,038
B. E. S. & T. Committee	...	187	...	2,591
<b>Total</b>	<b>8,067</b>	<b>31,985</b>	<b>8,538</b>	<b>33,993</b>

The number of jobs carried out at the Press exceeded the previous year's figure by 471 and the number of pages by 2,008.

During the year under review, the printing of two volumes entitled "Legal Opinions" and "Court Decisions," both on the Sections of the Bombay Municipal Act, comprising of 220 pages and 996 pages respectively was completed at a total cost of Rs. 4,000 and Rs. 13,000 respectively. In addition to this, the Press also undertook the printing of two volumes of the "Report on Modern Trends in Medical Education in the U. S. A. U. K. and Holland" by Dr. S. G. Vengsarkar at a total cost of Rs. 1,410. All the four publications listed above were superbly produced.

"The Bombay Civic Journal," the accredited organ of the Bombay Municipal Corporation, continued to be printed and published every month by the Press, and to mark the Completion of its useful year under review a "Special annual Number," with many art plates, was published.

The statement showing the quantity of paper consumed during the year under report as compared with that of previous two years is given below:—

Description of Paper.	1952-53.		1953-54.		1954-55.	
	Rate per lb.	Quantity consumed in tons.	Rate per lb.	Quantity consumed in tons.	Rate per lb.	Quantity consumed in tons.
White	0 8 7	90½	0 8 7	106½	0 9 0	118½
Badami	0 8 1	32½	0 8 1	12½	0 8 1	19
Other Kinds	1 2 0	31	0 12 0	55	0 15 0	39
		<b>153½</b>		<b>174½</b>		<b>176½</b>

Profit and Loss Account and Proforma Balance sheet as on 31st March 1955 are appended hereto. The transactions for the year closed with a surplus of Rs. 3,403 on a total turnover of Rs. 8,39,238 as against the surplus of Rs. 8,589 over a turnover of Rs. 8,33,072 for the previous year.

A standards Officer was appointed during the year to implement the recommendations of Messrs. Ibcos Ltd., on the reorganization of the Press.

The labour staff as on 28th February 1955 consisted of 236 workers as against 220 workers on 28th February 1954.

S. G. TOLAT,  
Manager, Municipal Press.

**MUNICIPAL PRINTING PRESS**  
*Profit and Loss Account as at 31st March 1955*

EXPENDITURE				INCOME			
Dr.	Rs.	a.	p.	Rs.	a.	p.	Cr.
<b>Materials—</b>							
Paper, etc. stock at the beginning ...	2,77,352	10	10				
Do. Add Purchases ...	1,64,467	14	7				
Do. outstanding Liabilities ...	24,580	0	0				Amounts charged to Departments ... 7,28,455 13 0
Balance in Reserve Bank of India ...	7,538	9	0				
	4,73,939	2	5				
Do. Deduct stock at the end ...	2,09,605	7	7	2,64,333	10	10	
Ink stock at the beginning ...	377	6	1				
Do. Add Purchases ...	719	12	0				Amounts recovered from Private Parties. 1,10,433 8 0
	1,097	2	1				8,38,889 5 0
Do. Deduct stock at the end ...	275	12	6	821	5	7	Deduct Work in Progress at the beginning of the year ... 89,402 2 0
Binding Materials stock at the beginning ...	5,397	4	2				7,49,487 3 0
Do. Add Purchases ...	24,523	0	0				Add work in Progress at the end of the year ... 1,23,025 8 0
	29,920	4	2				8,72,512 11 0
Do. Deduct stock at the end ...	7,773	12	6				Revenue Miscellaneous ... 6,352 5 2
Mono Metal stock at the beginning ...	1,28,621	0	0	22,146	7	8	Debit ... 8,66,160 5 10
Do. Add Purchases ...	21,188	12	0				Deposit with Reserve Bank of India ... 15,648 10 0
	1,49,809	12	0				
Do. Deduct stock at the end ...	1,42,219	4	0	7,590	8	0	
Line Metal stock at the beginning ...	44,895	10	0				
Do. Add Purchases ...	7,721	12	0				
	52,617	6	0				
Do. Deduct stock at the end ...	49,986	8	0	2,630	14	0	
Materials Non-consumable and Books and Dead Stock at the beginning ...	13,500	10	0				
Do. Add Purchases ...	1,697	7	0				
	15,198	1	0				
Do. Deduct stock at the end ...	12,835	15	0	2,362	2	0	
				2,99,885	0	1	
Out-work ...				3,091	11	10	
Do. outstanding liabilities ...				257	0	0	
				2,76,450	1	9	
Wages ...				1,500	0	0	
Do. outstanding liabilities ...				2,77,950	1	9	
<b>Departmental Expenses—</b>							
Rent ...	3,578	7	10				
Repairs to Machinery etc. ...	4,792	12	9				
Do. outstanding liabilities ...	2,692	0	0				
Lighting ...	1,937	13	0				
Do. outstanding liabilities ...	584	0	0				
Gas Charges ...	1,108	6	0				
Electric Power ...	3,430	13	10				
Debt Charges ...	67,449	11	0	85,574	0	5	
<b>General Expenses—</b>							
Staff Salaries ...	69,078	0	5				
Do. outstanding liabilities ...	800	0	0				
Expenditure other than Est. in connection with the Re-organisation Scheme ...	1,267	7	6				
Do. outstanding liabilities ...	1,293	0	0				
Provident Fund ...	21,735	3	0				
Contingencies Miscellaneous ...	4,903	2	0				
Telephone Charges ...	908	11	0				
Advertisement ...	599	6	0				
Printing ...	2,391	3	4				
Stationery ...	174	13	9				
Maintenance of Delivery Van ...	703	2	5				
Do. outstanding liabilities ...	406	0	0				
Private Works ...	1,07,387	11	0	2,11,647	12	5	
				2,97,221	12	10	
				8,78,405	10	6	
				3,403	5	4	
Net Surplus ...				8,81,808	15	10	

S. G. TOLAT,  
M. M. P.

## MUNICIPAL PRINTING PRESS

Balance Sheet as at 31st March 1955

LIABILITIES			ASSETS					
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
<b>CAPITAL—</b>								
(1) Advances from Net Premia Fund ...	1,60,143	4 9			(1) Plant and Machinery ...		1,74,906	14 9
<i>Less—Amount repaid</i>	97,514	7 0			<i>Less—Depreciation up to 31-3-1955</i> ...		1,07,869	1 0
	62,628	13 9			(2) Plant and Machinery Depreciation Fund Investments (in respect of Machinery purchased from Surplus Cash Balance), <i>Vide Contra</i> ...			67,037 13 9
(2) Advances from the Surplus Cash Balance ...	4,409	0 0	67,037	13 9	(3) Plant and Machinery purchased out of Different Special Funds ...		1,17,761	12 3
Plant and Machinery Depreciation Fund Account ...			4,409	0 0	(4 & 5) Plant and Machinery purchased out of I.—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ...		1,55,903	11 0
(3) Advances from Capital Works Loan Funds—Plant and Machinery Purchased out of Different Special Funds ...	1,17,761	1 3			Do. Books and Dead Stock ...		11,640	6 0
(4) Advances from Capital Works—Loan Funds, I.—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ...	4,39,811	0 0			Do. cost of Crusher Building ...		3,26,660	3 3
(5) Do.—	78,049	11 3			Do. Outstanding Liabilities ...		23,656	7 0
(6) Advances from Net Premia Fund ...	54,677	0 0			(6) Plant and Machinery Purchased out of Net Premia Fund ...		48,766	3 0
<i>Less—Amount Repaid</i>	58,867	0 0	6,31,432	7 6	Do. Books and Dead Stock ...		3,396	2 0
					Do. Outstanding Liabilities ...		2,514	11 0
					<i>Less—Depreciation upto 31-3-1955</i> ...		58,867	0 0
					Work in Progress ...		1,23,025	8 0
					Stock of Paper, etc., ...		2,17,655	0 7
					Mono Metal—Balance as per last year ...	1,28,621	0 0	
					Do. Additions during the year ...	21,188	12 0	
					<i>Less—Written off</i> ...	7,590	8 0	1,42,219 4 0
					Line Metal—Balance as per last year ...	44,895	10 0	
					Do. Additions during the year ...	7,721	12 0	
					<i>Less—Written off</i> ...	2,630	14 0	49,996 8 0
					Material Non-Consumable—Balance as per last year ...	8,195	5 0	
					Do. Additions during the year ...	198	0 0	
					<i>Less—Written off</i> ...	1,495	10 0	6,897 11 0
					Books and Dead Stock—Balance as per last year ...	5,524	11 0	
					Do. Additions during the year ...	1,499	7 0	
					<i>Less—Written off</i> ...	7,024	2 0	5,938 4 0
					Deposit with Reserve Bank of India ...		15,648	10 0
Outstanding Advances as on 31-3-1955...			8,17,812	7 1	Bills due from Departments ...	2,02,944	7 6	8,17,812 7 1
Assets purchased out of Revenue ...			861	10 0	Do. from Private Parties ...	53,487	2 0	2,56,431 9 6
			15,21,553	6 4	Dead Stock ...			861 10 0
								15,21,553 6 4

S. G. TOLAT,

M. M. P.

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

Administration Report for the year 1954-55.

## DEAN

1. Dr. R. G. Dhayagude, M.D., held the post of the Dean till 8th October 1954 on which day he expired suddenly due to heart failure. In his death these institutions have suffered a great and irreparable loss. Dr. N. D. Patal, M.D., M.R.C.P. (Lond.), was appointed as Dean (part-time) from 16th October 1954 (vide C.R. No 787 of 15-10-1954) and was in charge of these institutions till 24th March 1955. Dr. S. G. Vengsarkar assumed charge of the post with effect from 25th March 1955 and held the post till the end of the year.

## Professorial Staff.

Dr. G. M. Kurrulkar, M.B.B.S., Prof. of Anatomy (Temp.) retired from 13th July 1953 on account of superannuation. He was continued till 31st May 1955.

Dr. A. N. D. Nanavati, M.D., Asstt. Clinical Pathologist was appointed as Asstt. Professor of Pathology and Bacteriology from 21st June 1954.

Dr. W. B. Bhawe, M.B.B.S., B.Sc. (Medical) Asstt. Prof. of Pharmacology proceeded on leave to U.K. from 9th January 1954.

## Advisory Medical Board

2. During the year 1954, the Advisory Medical Board held eight meetings inclusive of one special meeting of the Honorary and Professorial Staff.

## Visitors

3. The following is the list of prominent persons who visited the Hospital and College during the year 1954:—

Name of the Visitor	Date of visit
Dr. P. A. Dias, Ex-Mayor of Bombay	4th January 1954.
Dr. Edwin Cameron, Education and Training Advisor of W.H.O.	12th January 1954
Dr. C. M. Scott, Sh. W. J. Hodge and Dr. I. B. Wevill of Imperial Chemical Industries	13th January 1954.
Smt. Laxmi Devi, General Secretary, Trained Nurses Association of India, New Delhi.	19th January 1954.
Prof. E. J. Wayne Regius, Prof. of Practice of Medicine in the University of Glasgow, England.	15th February 1954.
Shri and Smt. J. K. Safris, from West Orange, New Jersey, U.S.A.	1st March 1954.
Members of the Health Sub-Committee of the Bombay Presidency Women's Council	8th March 1954.
Dr. Ottati, Director of Scientific Investigations, Lederle Laboratories.	15th March 1954.
Dr. Sinha, F.R.C.S., Calcutta	5th April 1954.
Dr. E. G. Holmes, Prof. of Physiology, Makerere College, Kampala, Uganda, Union of East Africa.	22nd April 1954.
Members of the Medical Relief Committee	30th July 1954.
Mr. J. C. Earron and Mr. A. J. Fishburn of Imperial Chemical Industries, England.	9th September 1954
Prof. Dr. Robert Neubauer of W. H. O., Adviser on Tuberculosis to the Government of Ceylon.	25th September 1954.
Dr. Hernan Romero, Prof. of Preventive Medicine and Hygiene, University of Chile and Consultant W. H. O. on Social Medicine	27th September 1954.
The Hon'ble U. Ba Saw, Minister of Relief Settlement and Social Welfare, Burma and Sh. U. Aung Min, Director of Social Welfare, Burma, with Dr. Jal F. Bulsara, Ph.D., (Former Dy. M.C.),	28th September 1954.
Dr. Louis Smith, Dean, Berea College, U.S.A. with Smt. Nuvart Paraeghian, Cultural Affairs Officer, U.S.A., Foreign Service.	30th September 1954
Dr. Blachadden, M.B.C., H.B. with Dr. V. D. Arora of Bombay Hospital	6th December 1954.
Dr. J. Troupin of W. H. O.	7th December 1954.
The Hon'ble U. Khim Maung Lat, Minister of Health, Burma and Madam Lat with Shri G. S. Dhillon, Secretary, Ministry of Health, Burma, and Col. B. S. Khurana, from the Directorate General of Health Services, Government of India, New Delhi.	13th December 1954.

## Distribution of beds according to classification of Departments

4. The total number of scheduled beds in the Hospital was 550 and as usual all of them were fully occupied during the year and extra patients had to be accommodated on the floor in many wards. For the distribution of beds see Appendix No. 1.



5. The total number of patients admitted during the year 1954 was 20,895 as against 19,257 in 1953, 19,674 in 1952 and 19,148 in 1951

#### Extension of the Hospital.

6. There were no major additions or alterations to the Hospital building except that the Refrigerating plant of the morgue and Disinfectant Boiler were replaced at the cost of about Rs. 59,600. The work of installing a lift in the Outdoor Department is in progress. The extension of the Mental Observation Ward was completed.

#### Number of patients treated in 1954 and the total expenditure during 1954-55.

7. The statistical tables attached to this Report show in detail the attendance of patients in all the departments of the Hospital and the number of operations performed during the year 1954. Overcrowding of wards has become a constant feature of the hospital. Throughout the year an excess of 140 patients over the scheduled number of beds in the Hospital was a normal feature and on several occasions this excess figure was so high that either admissions had to be restricted or refused or patients had to be discharged a little earlier to bring down extreme congestion in the wards. The maximum number of in-patients on a single day was 740 thus making their nursing and medical care extremely difficult.

8. Out of the total number of 21,561 in-patients (20,895 admitted during the year 1954 and 666 balance of previous year), 6,734 were cured, 8,101 were discharged as relieved, 4,258 either left the hospital against medical advice or were otherwise discharged, 1,780 died (excluding 2 still born) leaving a balance of 688 patients at the end of the year 1954

9. Out of 1,780 deaths, 773 died within 24 hours of their admission, 322 after 24 hours but within 3 days and the remaining 685 after 3 days of admission into the Hospital.

10. The highest number of out-patients attendance on any one day during the year 1954 was 3,016. The highest number of new admissions in the outdoor departments on a single day was 799. Likewise, the highest number of old cases treated on a single day was 2,301, casualty cases were 190 and in-patients admitted were 95.

#### Expenditure.

11. The total expenditure incurred on the maintenance of the Hospital during the year 1954-55 including liabilities outstanding at the end of the year and exclusive of the cost of Extension Scheme, amounted to Rs. 27,69,574 approximately as against Rs. 26,49,895 for the last year. This expenditure was inclusive of the cost of maintenance and treatment of in-patients, the cost of out-patients departments, the Resident Medical, Nursing, Administrative and Labour staff as well as the cost of the staff for administration, maintenance and repairs of the buildings, etc. The recommendations of the Nutrition Department regarding scientific diets for patients were brought into effect during the year.

12. Appendix No. 3 illustrates the relative cost per inpatient and outpatient per day during 1954-55 and the last two years.

13. The details of the cost, per inpatient, for 1954-55, 1953-54 and 1952-53 are shown in the Appendix No. 4.

14. The Appendix No. 5 gives the average cost of every new outpatient admission treated during the year, in comparison with that of the previous two years.

The actual costs incurred on patients (inpatient 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 and this amounted to Rs. 41,907-10-0 during the year as against Rs. 33,734-11-0 in the previous year. A reference in this connection is invited to para. 23 below and to Appendix No. 30.

#### Motor and Mill accident cases.

15. The Appendix No. 6 shows the number of motor and mill accident cases treated during the year 1954 in comparison with that of the previous year.

16. 19,753 certificates were issued during the year as shown below for which a sum of Rs. 7,361-8-0 was recovered from the patients. The kinds of certificates issued are shown below.

Certificates under the Workmen's Compensation Act	...	5,417
Medical opinion certificates	...	2,190
Police certificates—free	...	2,780
Police certificates—paid	...	128
Certificates for Municipal employees	...	275
Insurance certificates	...	63
Ordinary certificates—free	...	8,900

17. 447 cases were treated in the Hospital for poisoning during the year.

#### Nursing Staff

18. The arrangement for sending 3 nurses to the Arthur Road Hospital to attend the Infectious fever cases was continued during the year.

A member of the nursing staff was awarded International Fellowship in nursing by the W. H. O. for further studies in Nursing Administration in New South Wales School of Nursing, Sydney, Australia. Two members of the nursing staff—a trained nurse and a student nurse—were sent to the Annual Conference of the Trained Nurses Association of India held in Bangalore where the student nurse won two prizes for the best exhibit and needle work.

19. During the year, 35 nurses for Junior examination and 29 nurses for senior examination were trained, out of whom 32 and 29 passed in Junior and Senior examinations, respectively, held by the Bombay Nurses, Midwives and Health Visitors Council. 6 nurses have passed the examinations with higher marks and prizes were awarded to them. The nurses showed enthusiasm in sports too and won prizes.

20. The cost of nursing establishment worked out to Rs. 201-15-2 per nurse per mensem, as against Rs. 202-4-0 in the previous year. This 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 were not included in the above figures.

#### Nurses Welfare Fund.

21. The Nurses Welfare Fund instituted in 1931 for promoting the welfare of nursing staff and providing amenities for recreation etc., continued to serve its useful purpose. The Fund was managed by a Committee with the Dean as President. Every nurse is an ordinary member of the Fund. Two meetings of the Managing Committee and one of the General Body 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 efforts to exhibit their histrionic abilities and other arts. The Fund maintains a small library and some daily papers and periodicals were purchased. During the year several tournaments were held and the winners were awarded prizes. The Fund amounting to Rs. 21,000 was invested in Government Promissory Notes which were 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 meet to discuss their academic and administrative problems. Three such meetings could only be held during the year due to the sudden death of Dr. R. G. Dhayagude, President of the Fund.

#### School Clinic.

22. Dr. Abdul Hameed, M.D., Honorary Physician was continued as the Medical Officer in charge of the School Clinic for a period of over 2 years, retired from the Municipal service with effect from 16th April 1954 and Dr. C. B. Durandhar, D.O., Honorary Ophthalmic Surgeon took charge of the Clinic from the same date. Thanks are due to Dr. Hameed for his efficient management of the Clinic during the period referred to above. The treatment of the school children attending the Municipal Primary Schools was continued during the year from 1st April 1954 to 30th April 1954 and from 1st July 1954 to 31st March 1955.

During the period under report, children were found to be suffering from ailments similar to those reported in the previous years. Common complaints were Malnutrition, Malaria, Anaemia, Bronchitis, errors of Refraction, Conjunctivitis, Xerosis, Scabies, Tonsillitis, Otitis Media and carious teeth.

1,112 new children as shown in the Appendix No. 7 were treated in the 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 7,963 as against 7,953 in the previous year.

82 children were operated upon in the Aural Department and 2 in the Ophthalmic Department. Refraction was done on 87 children and glasses were prescribed to 69. 15 children suffering from Cervical Adinitis were treated with Ultra Violet Rays supported by cod liver oil. One child was operated upon for Inguinal Hernia and one for Umbilical Hernia. In addition to 82 children who were admitted in the wards for operations mentioned above, 18 more children were admitted in the wards for various complaints, *viz.*, T. B. Hip joint, X-Ray spine, Hernia, Fever, Abscess etc., X-Ray plates, Electro-encephalographs and Electro-cardiographs were taken whenever necessary. Two children of Hemiplegia were referred to the Physiotherapy department. It is regretted that one child died of acute Nephritis with progressive renal failure.

The total cost of the Clinic at the K. E. M. Hospital amounted to Rs. 15,735.

#### Poor Box Charity Fund.

23. This Fund continued to receive steady support from the public as well as from the patients of this Hospital *vide* appendix No. 30. Besides relief in the shape of blood transfusions, costly drugs, medicines and injections and spectacles, travelling expenses etc., the following appliances were provided to 204 patients at a cost of Rs. 4,334-7-0 out of this Fund as shown below:

Name of the article.	Quantity
Artificial limbs, assorted	... 43 Nos.
Tracheotomy tubes	... 6 Nos.
Crutches; ordinary bamboo	... 26 pairs
Spectacles	... 91 pairs.
Smith Paterson Nails	... 30 Nos.
Crutches, wooden, adjustable	... 2 pairs
Felt collar	... 6 Nos.

Donations to the extent of Rs. 22,609-13-0 were received and acknowledged during the year, besides Rs. 6,984-7-3 and Rs. 7,216-8-9 collected from the poor boxes kept in the wards and outdoor department respectively.

Our thanks are due to the kind donors for their contributions in cash and kind and would like to make special mention of the gentlemen and firms who have donated Rs. 500 and above during the year 1954-55.

#### Blood Bank and Blood Transfusions.

24. Number of samples supplied for blood transfusion was 1,792. Blood Bank worked satisfactorily during the year 1954 with the blood of paid donors to whom payment was made out of the Poor Box Charity Fund to the extent of Rs. 14,933-5-6. 74 bottles of plasma were used during the year.

#### Medico Social Service Department

25. The Medico-social Service Department started functioning at the K. E. M. Hospital from 3rd September 1954 with the appointment of two trained social workers on the establishment of this Hospital under the supervision of the Assistant Medical Officer (Sr.). This Department is an integral part of medical-care arrangement at this Hospital. It helps in finding out the social, economic and environmental factors associated with the onset of diseases, whether these factors are interfering with the satisfactory progress in the treatment and thereafter the final rehabilitation of the patient is done to reasonable physical and mental efficiency. From this point of view social and emotional aspects of the patients' illness were carefully investigated and the treatment were so adopted as to obtain maximum benefit from the treatment. Home-visits, whenever necessary, were also paid in cases where family as a unit has to be studied. Case-work service was rendered particularly in psycho-somatic illness in consideration of each patient's personality and social environment. Patient's intelligent co-operation is brought about by giving him an insight into the nature and problem of the disease and every possible help is extended towards the completion of treatment. Many outside community resources were tapped in order to assist the needy patients. After the completion of treatment, follow-up of patients was carried regularly to find out the degree of improvement maintained by them and to assist them if necessary by the way of medical and social help. The scope of this work at present is limited to the Psychiatric (Narco-therapy 1952-53 cases) Thoracic and Neurological cases only due to limited facilities available.

Following table shows the number of cases handled and the nature of help rendered by the Department from 3rd September 1954 to 28th February 1955.

Medicine, injections, appliances,	Accommodation,	Travelling allowance	Rehabilitation.	Relatives contacted regarding patients diseases.	Medical cases follow-up (since 1-1-1955).	Psychiatric cases	Psychiatric follow-up (since November 1954)
28	15	5	28	35	129	115	271

#### Gift Shop.

26. The Gift Shop started in 1950 in the Outpatient Department of the Hospital to enable the patients and their relatives etc. to get certain essential articles, such as clean bottles for medicine, cigarettes, biscuits oranges, postcards, penicillin etc. continued to receive steady support. The shop showed a profit of Rs. 2,448-6 during the year which was credited to the Poor Box Charity Fund. 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.

#### Recreation Room and Library for the Patients.

27. A small library with donated books and magazines is maintained for the benefit of the patients. A small wheeled cart with books, magazines, cigarettes, bidis, etc. moved from ward to ward and the patients took advantage of the amenity. The Proprietors of Bombay Samachar were generous enough to supply six copies of their daily newspaper free of cost for one year. The following periodicals were purchased for the patients:—

Lokasatta, Dainik Vishwanitra Times of India, Illustrated Weekly, Kirtokar, Satyalatha, Stree, Udyam etc.

The United States Information Service and the Consulates of the Republic of China and France supplied old magazines, journals, etc. to the Library. Our thanks are due to these donors. The Library has also been provided with a Radio set.

#### Prophylactic Immunization Centre.

28. The Prophylactic Immunization Centre continued to work on all outdoor days in the evenings from 3 to 5 p. m. It was also open on Sundays and holidays so that Anti-rabic treatment continues without a break. The attendance of the patients progressively increased and the total number of patients treated during the year 1954 was 14,776 as against 12,295 in the previous year. The number of new cases of dog bite coming to the Department was 2,358 as against 1,961 in the previous year. Besides, immunization against typhoid, cholera plague, diphtheria and small-pox, was also done at this centre.

#### Family Health Centre.

29. The Family Health Centre at the Hospital continued to function satisfactorily 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 defects are found. The Centre remains open for registration of families from 4.30 to 7 p. m. on all days, except on Saturdays and Sundays. A statement of the work done in the Centre during the year will be found in Appendix No. 28.

### Physiotherapy Centre and School.

30. The Centre and the School were working satisfactorily. The senior Physiotherapist leased by the W. H. O. was in charge of the treatment Centre and School throughout the year. During the year 1954-55 there were 21 students under training.

Eight students of the first training course passed their final examination.

One student was selected for W. H. O. Fellowship in U. K. and a Thailand student was sent from Bangkok to the School on another W. H. O. Fellowship. The following statement shows the work done at the treatment Centre during the period from April 1954 to March 1955.

Method of Treatment.	Treatment Given
1. Paraffin wax baths	15,802
2. Massage	2,450
3. Remedial exercises	23,000
4. Actino-therapy	3,459
5. Diathermy	14,888
6. Ultra-violet	7,500
7. Low frequency stimulation	7,740
8. Ultra-sound therapy	28
9. Hydrotherapy (arm and leg baths)	2,332
10. Spinal traction	879
	78,078

### Occupational Therapy Centre and School

31. During the year under report the third batch of students graduated. All of the 10 students that appeared for final examination passed. The Diplomas were awarded at a ceremony presided over by Shri Dinkerrao Desai, Minister for Education. The fourth batch of 8 students and the fifth batch of 13 students were under training at the close of the year.

The services of Mrs. Ralph Mandonca (nee Janet Borthwick), Occupational Therapist from Australia whose services were secured under the Colombo Plan, continued on the staff of the School during the year. Two additional Occupational Therapists were appointed during the year on the teaching staff. Government of India have promised a grant-in-aid for employment of two trained Occupational Therapists during 1954-55 and 1955-56.

During the year 641 patients were treated as against 701 in the previous year. Of this 121 were outdoor patients who made a total of 4,240 visits to the curative Workshop. In addition there were 481 visits to the Workshop by ward indoor patients for treatment. The distribution of treatments remained practically the same as during the previous year. Many child-patients were admitted in Children's ward and the patients from neurological and skin sections were also treated at the end of the year.

The work of the Centre and School is progressing satisfactorily. The Hospital and College medical staff, N. M. Mental Hospital, Thana, St. George's Hospital, Dadar School for the Blind, King George V Infirmary, Bai Jarbai Wadia Hospital for children, the Children's Orthopaedic Hospital for the Society for the Rehabilitation of Crippled Children and the Karnatak Health Institute, Chataprabha (Belgaum), gave full cooperation in the work of the Centre and School.

The Appendix No. 9 gives an idea of work done in wards and Centre during 1954 and 1953.

### Clinical Meetings

32. The Staff Society of the K. E. M. Hospital and Seth G. S. Medical College held 10 meetings including one special meeting during the year to discuss items of clinical interest.

### Ambulance

33. The Hospital maintains two ambulances. The service is free to all poor patients. Only the well-to-do are charged fees. The service is usually available between 8 a. m. to 5 p. m. though emergency calls are answered at all hours.

### Pharmacological Laboratory

34. The Dr. Jivraj N. Mehta Pharmacological Laboratory manufactured various injectables and carried on analytical work as usual during the year under report. 62 samples of drugs supplied by the contractors and samples taken from the dispensary were analysed. Out of these, 22 samples were found below official requirements. The total cost of the injectables manufactured was about Rs. 16,700 of which marketable value was Rs. 61,370 plus sales tax approximately. The maintenance of the laboratory was thus responsible for saving to the extent of Rs. 44,670. The Laboratory is in need of some modern equipment to step up production and analytical work.

### The K. E. M. Hospital and Seth G. S. M. College Employees Co-operative Credit Society Ltd.

35. The Cooperative Society of the labours staff of the Hospital and College worked satisfactorily during the year. The total number of members on the roll at the end of Jun 1954 was 649. 68 new members joined the Society and 49 left it during the period of July 1953 to June 1954 owing to termination of services or death etc.

The share capital of the Society amounted to Rs. 1,49,903-10-0 on 30th June 1954, as against Rs. 1,29,403-14-0 on the corresponding date of the previous year. The amount of the loans granted was Rs. 2,53,700 and the amount recovered was Rs. 2,09,063-14-0. The average amount of loan granted Rs. 400.

The Society held its last Annual General Meeting on 29th September 1954 and declared a dividend of 3½ per cent. for the year ending 30th June 1954. The net profit during the year ending 30th June 1954 amounted to Rs. 8,356-13-0. The Reserve Fund of the Society stood at Rs. 14,971-5-6 and the total of other funds at Rs. 2,336-8-6. The accounts of the Society were audited by the Government Auditors upto 30th June 1954.

#### Silver Jubilee Fund.

36. The accounts of the Silver Jubilee Fund were audited and placed before the donors at a public meeting held at the Seth G. S. Medical College on 10th April 1954. The proceeds, after meeting all expenditure were allocated as under:—

	Rs.
1. Convalescent Home ... ..	5,000
2. For improvement of Gymkhana grounds ... ..	37,000
3. K. Sarbai K. Sarkar Prize ... ..	1,500
4. K. E. M. Hospital and Seth G. S. M. College Research Society ... ..	6,00,000
5. Poor Boys Fund ... ..	75,000
6. Scholarship Fund for higher studies in Medicine ... ..	1,70,000
	8,88,500

A Research Society has since been registered. Trusts for Poor Boys Fund and Scholarship Fund are under preparation.

### THE SETH G. S. MEDICAL COLLEGE

The University permitted admission of five extrastudents during the year under report besides the usual 80 admissions.

Two seats were reserved for students coming from abroad and in one of these seats an African student was admitted.

Three Licenciates were admitted to the Condensed M.B., B.S., course.

Dr. B. B. Yodh, M.R.C.P. (Lond.), D.T.M. & H., Honorary Consulting Physician, Sir J. J. Group of Hospitals delivered the inaugural address to the students of the College on 5th July 1954.

Special classes for different post-graduate courses were held as usual.

#### Library and Museum

During the year 426 books were added to the library as against 284 books added during the preceding year. Out of these, 232 books were presented to the library as detailed in Appendix No. 32.

Our grateful thanks are due to Shri V. M. Saraiya and his daughter Shrimati Fozdar for their donation of Rs. 2,500 from the Fozdar Memorial Fund for giving text books free to poor and deserving students and nurses during their studies.

The number of books and periodicals issued during the year for reading on the library premises to undergraduate and post-graduate students and teachers was 30,556 as against 31,146 during the previous year. 1,915 books and 1,800 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, and on interlibrary loan to the libraries of the Haffkine Institute, Tata Memorial Hospital, the College of Physicians and Surgeons of Bombay, Bai Jirbai Wadia Hospital for Children and Nowrosjee Wadia Maternity Hospital.

As in the past reference material was supplied by this library throughout the year to the Microfilm Service Unit at the Tata Memorial Hospital for providing microfilm and photostat copies required by institutions all over India.

During the course of the year, 239 periodicals were borrowed by this library as interlibrary loan from the various medical and research institutions in Bombay and the University Library to meet the needs of our readers.

50 wet and dry 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.

In the Pathology Museum 65 new specimens were mounted and 45 old specimens were remounted during the year. The total number of specimens in the pathology Museum were over 1,700.

In the Artist's Section 1,201 photographs, graphs, photo-micrographs etc. were prepared during the year.

#### Hostels

The number of students residing in the Male Students' Hostel was 147 and in the Lady Students' Hostel was 28. Both the hostels were thus fully occupied and a few applications for rooms had to be rejected for want of vacancies.

#### Anatomy Department

Dr. K. D. Desai, Lecturer in Anatomy passed M.Sc. (Medical) Examination in Anatomy during the year.

The first batch of students according to the revised curriculum which includes Histology in Anatomy Practicals appeared for the 1st M.B.B.S. Examination in October 1954.

#### Physiology Department

The departmental staff was engaged in advanced research work throughout the year.

The Biochemistry Section continued extensive research work on several aspects of nutrition with the help of grants from the Indian Council of Medical Research and the Council of Scientific and Industrial Research.

### Pharmacology Department

Dr. B. B. Gaitonde, Lecturer in Pharmacology was awarded a fellowship by the World Health Organisation for advanced study in the U. K. He proceeded abroad on 18th October 1954.

Dr. R. S. Satoskar, Asst. Lecturer in Pharmacology passed B.Sc. (Medical) with Pharmacology.

Ministry of Education, Government of India have given a grant-in-aid amounting to Rs. 10,000 for the purchase of a Flame Photometer and accessories for the department.

The Council of Scientific and Industrial Research have also given a substantial grant for establishing a Pharmacological Research Unit.

Important research work was carried out on the treatment of Tetanus with Cortisone, on the biological assay of Rauwolfia Serpentina and on the efficacy of Coconut water in the treatment of congestive cardiac failure with oedema.

### Pathology and Bacteriology Department

Dr. A. N. D. Nanavati was appointed as Assistant Professor of Pathology and Bacteriology and Dr. C. K. Dashpande as Assistant Clinical Pathologist from 21st June 1954.

Research work on Coxsackie Virus Infections and Typhoid fevers was continued.

### Gymkhana

Good performances were to the credit of our Gymkhana this year.

The Annual Sports were held on Sunday 23, January 1955 at our College Stadium. His Excellency the Governor, Shri Muzaldas Pakvasa presided and Mrs. Purnima Pakvasa distributed the prizes. Shri R. H. Bandodkar and Shrimati S. M. Gokarn were the Athletic Champions of the College for the year.

The Gymkhana collected Rs. 1,643-5-6 for the Prime Minister's Bihar Relief Fund.

Rao Bahadur Dr. H. S. Maniar presented the Gymkhana with a handsome trophy for the Best Student of the College, unfortunately however, it arrived too late to be awarded.

Seth G. S. Medical College retained the Inter-Medical Table Tennis, Hockey and Debating Trophies.

Our Hockey team took the second place for league honours in the Inter-Collegiate League Hockey Tournament.

Shrimati M. P. Ranji, a student of our College, represented the University in Bombay.

Shri M. K. Mehta represented Bombay in water Polo.

### General

Scientific and educational films were shown to the staff, students and nurses during the year.

### Research

The different departments of the College and Hospital in addition to their normal teaching and departmental work, had to their credit the investigations as shown in Appendix No. 33. Some of the problems in hand were discontinued and others were taken up afresh during the year.

### Publications

Subjects of articles on medical subjects published by the [members of the Honorary Professorial and other staff during the year are shown in the Appendix No. 34.

## INDEX OF APPENDICES

Appendix No	Particulars
1	Statement showing distribution of scheduled number of beds according to classification of Departments in the K. E. M. Hospital.
2	Statement showing particulars of indoor and outdoor patients treated during the year 1954 and 1953, number of operations done etc.
3	Statement showing the relative cost per inpatient and outpatient per day during the year 1954-55 and previous two years.
4	Statement showing the details of cost per inpatient for the year 1954-55 and previous two years.
5	Statement showing the average cost of each new outpatient admission for the year 1954-55 and previous two years.
6	Statement showing Motor and Mill accident cases treated during 1954 and 1953.
7	Statement showing the children from the Municipal Primary Schools treated during 1954-55 and 1953-54 at the School Clinic.
8	Statement showing the names of Donors to the Poor Box Charity Fund of the Hospital for the year 1954-55.
9	Statement showing the work done in the Occupational Therapy Centre during the years 1954 and 1953.
10	Senior-Staff of the K. E. M. Hospital and Seth G. S. Medical College for the year 1954-55.
11	A statement showing the in-patients treated in the K. E. M. Hospital during the year 1954 with classification according to departments sex, age, discharges and deaths.
12	A statement showing the out-patients (New, Old and Casualty) treated in the K. E. M. Hospital during the year 1954 with classification according to departments, sex and age.
13	A chart illustrating the summary according to Sex, Age and Religion of out-patients and in-patients treated in the K. E. M. Hospital during the last three years.
14 to 22	printed in the departmental copies of the Report.
23	A report of the X-Ray and Electro-therapeutic Department of the K. E. M. Hospital for the year 1954.
24	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 1954.
25	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 Psychiatric Department of the K. E. M. Hospital during the year 1954.
26	A statement showing the electro-cardiograms classified according to the clinical conditions for which these were taken in the K. E. M. Hospital during the year 1954.
27	A statement showing the various (i) Pathological, (ii) Bacteriological (iii) Biological (iv) Bio-chemical investigations carried out in the Central Clinical Laboratory of the K.E.M. Hospital during the year 1954 as also an account of the Autopsy work done during the year.
28	A statement showing the work done at the Family Health Centre in the K. E. M. Hospital during year 1954.
29	A report of the Physical Therapy Department of the K. E. M. Hospital showing the number of patients treated with classification of the conditions for which they were treated during the year 1954.
30	Statement of Account of the K. E. M. Hospital Poor Box Charity Fund for the year 1954-55.
31	Balance Sheet of the Poor Box Charity Fund of the K. E. M. Hospital as on 31st March 1955.
32	Books presented to the Library.
33	Research enquiries.
34	List of publications by the staff.
35	Statistical information.
36	Particulars regarding students.
37	Annual cost and revenue.

## APPENDIX No. 1

Distribution of beds according to classification of Departments.

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
Neuro-surgical Neurological and Psychiatric	40	...	...	40
	365	145	40	550

## APPENDIX No. 2

Statement showing particulars of indoor and outdoor patients treated during the year 1954 and 1953, number of operations done etc.

Particulars	1954	1953
(a) In-patients—		
(1) Scheduled strength of beds	550	550
(2) Daily average number of inpatients	692	636.68
(3) Total number of new inpatients admitted	20,895	19,257
(4) Average number of days each patient was resident	11.71	12.03
(b) Out-patients—		
(1) Total number of new patients	1,82,265	1,75,995
(2) Daily average number of new out-patients	681.2	657.6
(3) Total number of out-patient attendance (including casualty cases)	6,37,637	5,79,505
(4) Daily average number of out-patients attendance	2,145	1,955
(5) Number of casualty patients	46,589	44,328
(c) Operations—		
(1) Total number of operations on in-patients	9,734	8,186
(2) Total number of operations on out-patients	26,578	20,339

## APPENDIX No. 3

Statement showing the relative cost per inpatient and outpatient per day during the year 1954-55 and previous two years.

Particulars	1954-55	1953-54	1952-53
	Rs. a. p.	Rs. a. p.	Rs. a. p.
(a) Average cost per inpatient per day	8 8 2	8 12 6	8 15 11
(b) Average cost per inpatient admission	102 10 10	108 0 4	102 1 2
(c) Average cost per outpatient attendance	1 4 2	1 5 10	1 5 8
(d) Average cost per outpatient admission	3 3 2	3 1 3	3 4 10

## APPENDIX No. 4

Statement showing the details of cost per inpatient for the year 1954-55 and previous two years.

Year	Diets	Drugs, dressings etc.	Stores and Linen	Heating and Lighting	Miscellaneous	Establishment	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.
1954-55	1 1 0	1 4 7	0 8 5	0 3 10	0 5 1	4 14 2	0 3 1	8 8 2
1953-54	1 0 5	1 6 3	0 8 3	0 3 4	0 6 0	5 0 3	0 4 0	8 12 6
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



## APPENDIX No. 5

Statement showing the average cost of each new outpatient admission for the year 1954-55 and previous two years.

Year	Drugs, dressings etc.	Stores and Linen	Heating and Lighting	Miscell- aneous	Establish- ment	Repairs to buildings and Engineering	Total
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
1954-55 ...	1 1 2	0 2 1	0 0 6	0 0 11	1 13 10	0 0 8	3 3 2
1953-54 ...	0 13 0	0 2 3	0 0 6	0 0 10	2 0 4	0 0 9	3 1 3
1952-53 ...	1 0 11	0 1 8	0 0 5	0 0 10	2 0 7	0 0 5	3 4 10

## APPENDIX No. 6

Statement showing Motor and Mill accident cases treated during 1954 and 1953.

	MOTOR ACCIDENT				MILL ACCIDENT			
	Treated in the Casualty Department during		Admitted		Treated in the Casualty Department during		Admitted	
	1954	1953	1954	1953	1954	1953	1954	1953
Male ...	535	677	161	232	5,241	5,807	272	220
Female ...	95	92	37	31	114	109	7	4
Children Male ...	111	124	30	44	...	...	...	...
Children Female ...	57	70	20	22	...	...	...	...
<b>Total ...</b>	<b>798</b>	<b>963</b>	<b>248</b>	<b>329</b>	<b>5,355</b>	<b>5,916</b>	<b>279</b>	<b>224</b>

## APPENDIX No. 7

Statement showing the children from the Municipal Primary Schools treated during 1954-55 and 1953-54 at the School Clinic.

Section.	1954-55			1953-54		
	New cases	Old cases	Total	New cases	Old cases	Total
Medical and Surgical ...	363	2,364	2,727	270	2,505	2,775
Aural ...	391	2,194	2,585	314	2,372	2,686
Ophthalmic ...	198	1,167	1,363	215	1,191	1,406
Dental ...	118	736	854	142	526	668
Skin ...	42	390	432	59	339	398
<b>Total ...</b>	<b>1,112</b>	<b>6,851</b>	<b>7,963</b>	<b>1,000</b>	<b>6,933</b>	<b>7,933</b>

## APPENDIX No. 8

Statement showing the names of Donors to the Poor Box Charity Fund of the Hospital for the year 1954-55.

(1) British India Steam Navigation Co. Ltd	Rs. 600
(2) Imperial Tobacco Co. of India Ltd.	1,200
(3) Lever Bros. (India) Ltd.	500
(4) Honorary Secretary, Bombay Coal Allocation Committee	6,000
(5) Secretary, Past Gosumec	3,190
(6) Associated Cement Companies Ltd.	500
(7) Birmah-Shell Oil Storage and Distributing Co. (India) Ltd.	1,000
(8) Standard Vacuum Oil Co.	500
(9) Shri Baburao M. Pingale	500
(10) Secretary, Indian Red Cross Society	1,000

In addition to the above, 15 barrels of milk spray was donated by His Eminence the Cardinal Archbishop of Bombay through the Assistant Director, Government of India Godcwr. No. 2.

## APPENDIX 9.

Statement showing the work done in the Occupational Therapy Centre during the years 1954 and 1953.

Particulars of visits.	1954		1953	
	No.	Percentage	No.	Percentage
Medical wards ...	2,046	9.9	2,616	9.6
Children ward ...	3,354	16.6	6,482	23.8
Surgical and Orth. wards ...	8,260	39.6	10,964	40.3
Neurological wards ...	1,158	5.6	168	0.6
Skin wards ...	1,098	5.3	707	2.6
Gynaec. ward ...	12	0.1	153	0.6
Total (indoor) ...	15,928	77.1	21,090	77.5
Curative Workshop ...	4,721	22.9	6,107	22.5
<b>Total ...</b>	<b>20,649</b>	<b>100</b>	<b>27,196</b>	<b>100</b>

## APPENDIX No. 10

*Senior Staff of the K. E. M. Hospital and Seth G. S. M. College for 1954-55***Dean.**

Dr. R. G. Dhayagule, M.D., held the post of the Dean during the year 1954-55 upto 7-10-1954. He expired on 8-10-1954. Dr. N. D. Patel, M.D.M.R.C.P., F.C.P.S., Honorary Physician, was appointed as Dean (Part-time) from 8-10-1954 to 24-3-1955. Dr. S. G. Vengasarkar, M.D.F.C.P.S. was appointed as Dean from 25-3-1955

**Assistant Dean.**

V. V. Jadhav, Esqr., M.B.B.S.

**Professor of Anatomy.**

G. M. Kulkar, Esqr., M.B.B.S., Professor of Anatomy (Temporary) from 20-8-1951. Retired due to superannuation from 13-7-1953. Allowed to continue upto 31-5-1955.

**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. M.Sc., M.B.B.S.

**Assistant Professor of Bio-Chemistry.**

Dr. R. G. Chitre, M.Sc., Ph.D., F.R.I.C.

**Visiting Professor of Pharmacology.**

Roger A. Lewis, Esqr., B.A.M.D.

**Assistant Professor of Pharmacology and Materia Medica.**

W. B. Bhawe, Esqr. B.Sc., M.B.B.S. (On leave from 9-1-1954).

**Professor of Pathology and Bacteriology.**

N. M. Purandara, Esqr., M.D. (Appointed for renewable period of 5 years from 1-5-1952).

**Assistant Professors of Pathology and Bacteriology.**

D. D. Banker, Esqr., M.D.Ph.D. (from 1-5-1952).

A. N. D. Nanavati, Esqr. M.D. (from 21-6-1954).

**Honorary Physician and Lecturers in Medicine.**

N. D. Patel, Esqr., M.D.M.R.C.P., F.C.P.S. (Appointed as Dean (P.T.) from 8-10-1954 to 24-3-1955. (On leave from 3-5-1954 to 10-6-1954).

Margaldas 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. (On leave from 11-10-1954 to 10-11-1954).

J. C. Patel, Esqr., M.D.M.R.C.P.Ph.D.

E. R. de Mello, Esqr., M.D.

**Honorary Assistant Physicians and Lecturers in Medicine.**

J. K. M. Shta, Esqr., M.D.M.R.C.P. (On leave from 17-5-1954 to 12-9-1954).

E. P. Bhatucha, Esqr., M.D.F.C.P.S.

K. K. Ditey, Esqr., B.A., M.D.M.R.C.P., D.C.H.D.T.M. & H. B.S.C., (On leave from 14-2-1955 to 13-8-1955)

A. F. Golwalla, Esqr., M.D.F.C.P.S.

D. M. M. Shta, Esqr. M.R.C.P. (Acting from 3-5-1954).

M. D. Motashaw, M.D. (Acting from 15-2-1955).

S. D. Store, Esqr., M.D.F.C.P.S.M.R.C.P. (Acting from 1-7-1954 to 12-9-1954 and from 15-2-1955).

S. L. Balse, Esqr., M.D.M.R.C.P.E.D.C.H. D.T.M. & H. (Acting from 15-2-1955).

**Honorary Surgeons and Lecturers in Surgery.**

A. V. Baliza, Esqr. F.R.C.S. (On leave from 17-1-55 to 16-2-55).

K. G. M. Misif, Esqr. M.B.B.S. F.R.C.S. (On leave 15-5-54 to 14-6-54).

G. M. P. Nadke, Esqr. M.B.B.S. F.R.C.S. (On leave from 29-6-54 to 31-7-54).

M. M. P. N. Dya, Esqr., M.B.B.S., F.R.C.S.

A. E. DeSa, Esqr., M.B.B.S., F.R.C.S.

R. G. Guide, Esqr., M.S.; (On leave from 3-5-54 to 3-6-54).

P. K. Sen, Esqr., M.S. (Temporary from 1-12-53).

**Honorary Asstt. Surgeons and Lecturers in Surgery.**

- P. K. Sen, Esqr., M.S., (Appointed as Ag. Hon. Surgeon from 1-12-53).  
 R. H. Karmarkar, Esqr., M.B.B.S., F.R.C.S.  
 C. S. Worah, Esqr., M.S.  
 V. P. Mehta, Esqr., 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., (Ag. from 1-1-54) On leave from 18-2-55 to 13-3-55.

**Hon. Orthopaedic Surgeons.**

- R. J. Katrak, Esqr., B.A., B.Sc., M.B.B.S., F.R.C.S., M.Ch. (Ortho.) Retired from 23-11-54 and continued for one year after superannuation.  
 A. K. Talwalkar, Esqr., M.B.B.S., F.R.C.S., M.Ch. (Ortho.) On leave from 20-4-54 to 1-6-54.

**Hon. Asstt. Orthopaedic Surgeon.**

- K. T. Dholakia, Esqr., M.S., F.R.C.S., M.Ch. (Ortho.).

**Hon. Aural Surgeon and Lecturer in Ear, Nose and Throat.**

- S. G. Joshi, Esqr., M.S., (On leave from 18-10-54 to 2-12-54) Expired on 3-12-54.  
 V. DeSa, Esqr., M.S., D.L.O. (Appointed as Ag. Aural Surgeon from 5-11-54).

**Hon. Asstt. Aural Surgeon.**

- J. Gandhi, Esqr., M.S. (Appointed as Ag. Hon. Asstt. Aural Surgeon from 5-11-54 to 16-1-55).  
 R. Rege, Esqr., M.S., D.L.O., F.C.P.S., (Appointed from 17-1-55).

**Hon. Gynaecologists and Lecturers in Gynaecology and Obstetrics.**

- Smt. P. C. Daruwalla, M.D., (Retired from 25-6-54).  
 B. N. Purandare, Esqr., M.D., F.R.C.S., (Appointed from 26-6-54) On leave from 28-6-54 to 31-8-54.

**Hon. Asstt. Gynaecologist.**

- V. N. Purandare, Esqr., M.D., F.R.C.S., (Appointed from 1-7-54).

**Hon. Ophthalmic Surgeons and Lecturers in Ophthalmology.**

- S. N. Cooper, Esqr., M.B.B.S., D.O., D.O.M.S.  
 C. B. Dhurandhar, Esqr., M.B.B.S., D.O.

**Hon. Asstt. Ophthalmic Surgeon.**

- D. G. Mody, Esqr., M.B.B.S., D.O., D.O.M.S.

**Hon. Radiologists and Lecturers in Radiology and Electro Therapy.**

- Z. J. Joseph, Esqr., M.D., D.M.R.F.  
 L. H. Athale, Esqr., M.B.B.S., M.D.R., M.A. C.S.

**Hon. Anaesthetists and Lecturers in Anaesthesia.**

- B. N. Sircar, Esqr., M.B., B.S., D.A., F.F.A.R.C.S.  
 G. S. Ambardekar, Esqr., M.B., B.S.D.A.F., F.A.R.C.S.

**Hon. Dental Surgeon and Lecturer in Dentistry.**

Vacant.

**Hon. Asstt. Dental Surgeon and Lecturer in Dentistry.**

- N. H. Moghe, Esqr., L.D.Sc., (On study leave from 24-3-55 to 23-7-55).  
 I. L. N. Lopes, Esqr., B.D.S., (On leave from 29-4-54 to 29-5-54).

**Hon. 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. (Retired from 21-12-54).  
 S. C. Desai, Esqr., M.D., D.V.D., (Appointed from 21-12-54).

**Hon. Asstt. Dermatologist and Venereologist.**

- James Fernandez Esqr., M.B.B.S., D.V.D., F.C.P.S., D.T.M. & H., (Appointed from 17-1-55).

**Hon. 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.

**Honorary Psychiatrist and 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.

**Physiotherapy Centre and School.**

- R. L. Jacques, Esqr., M.C.S.P., Senior Physic-Therapist.

It is noted with deep regret that we note the sad and untimely death of Dr. S. G. Joshi, M.S. Honorary Aural Surgeon at the K.E.M. Hospital and Honorary Lecturer in Ear, Nose and Throat at the Seth G.S.M. College which took place on 3rd December 1954.

## APPENDIX No. 11

A statement showing the In-patients treated in the K. E. M. Hospital during the year 1954 with the classification according to Department, Sex, Age, Discharges and Deaths.

Department	Sex	In the Hos- pital on the midnight of 31st Decem- ber 1953.	Admitted during the year 1954	Total	Dis- charged during the year 1954	Died during the year 1954	In the Hos- pital by the midnight on 31st Decem- ber 1954.
Medical	Men	144	4,239	4,383	3,766	484	133
	Women	68	1,444	1,512	1,238	220	54
	Children—						
	Male	28	1,209	1,237	873	336	28
	Female	15	903	918	639	260	19
Surgical	Men	127	4,388	4,515	4,169	222	124
	Women	38	1,207	1,245	1,100	103	42
	Children—						
	Male	7	413	420	386	25	9
	Female	7	222	229	204	21	4
Ophthalmic	Men	24	554	578	558	1	19
	Women	9	302	311	299	...	12
	Children—						
	Male	1	30	31	28	1	2
	Female	2	21	23	22	...	1
Gynaecological	Women	27	881	908	862	13	33
	Children—						
	Female	...	4	4	3	1	...
Skin and Venereal	Men	13	140	153	136	4	13
	Women	6	45	51	46	...	5
	Children—						
	Male	...	4	4	2	2	...
	Female	1	8	9	6	2	1
Aural	Men	10	755	765	751	3	11
	Women	4	422	426	423	1	2
	Children—						
	Male	1	291	292	288	4	...
	Female	...	245	245	244	1	...
Orthopaedic	Men	73	1,789	1,862	1,745	35	82
	Women	27	443	470	428	9	33
	Children—						
	Male	6	294	300	284	4	12
	Female	5	130	135	134	...	1
Psychiatric	Men	5	59	64	58	...	6
	Women	1	32	33	30	1	2
	Children—						
	Male	...	7	7	6	...	1
	Female	...	5	5	5	...	...
Neurology	Men	11	156	167	150	8	9
	Women	1	52	53	45	3	5
	Children—						
	Male	1	29	30	27	2	1
	Female	...	23	23	20	...	3
Neuro-surgery	Men	4	105	109	86	6	17
	Women	...	28	28	22	4	2
	Children—						
	Male	...	9	9	5	2	2
	Female	...	7	7	5	2	...
Total	Men	411	12,185	12,596	11,419	763	414
	Women	181	4,856	5,037	4,493	354	190
	Children—						
	Male	44	2,286	2,330	1,899	376	55
	Female	30	1,568	1,598	1,282	287	29
Grand Total	...	666	20,895	21,561	19,093	1,780 +2 S.B.	688

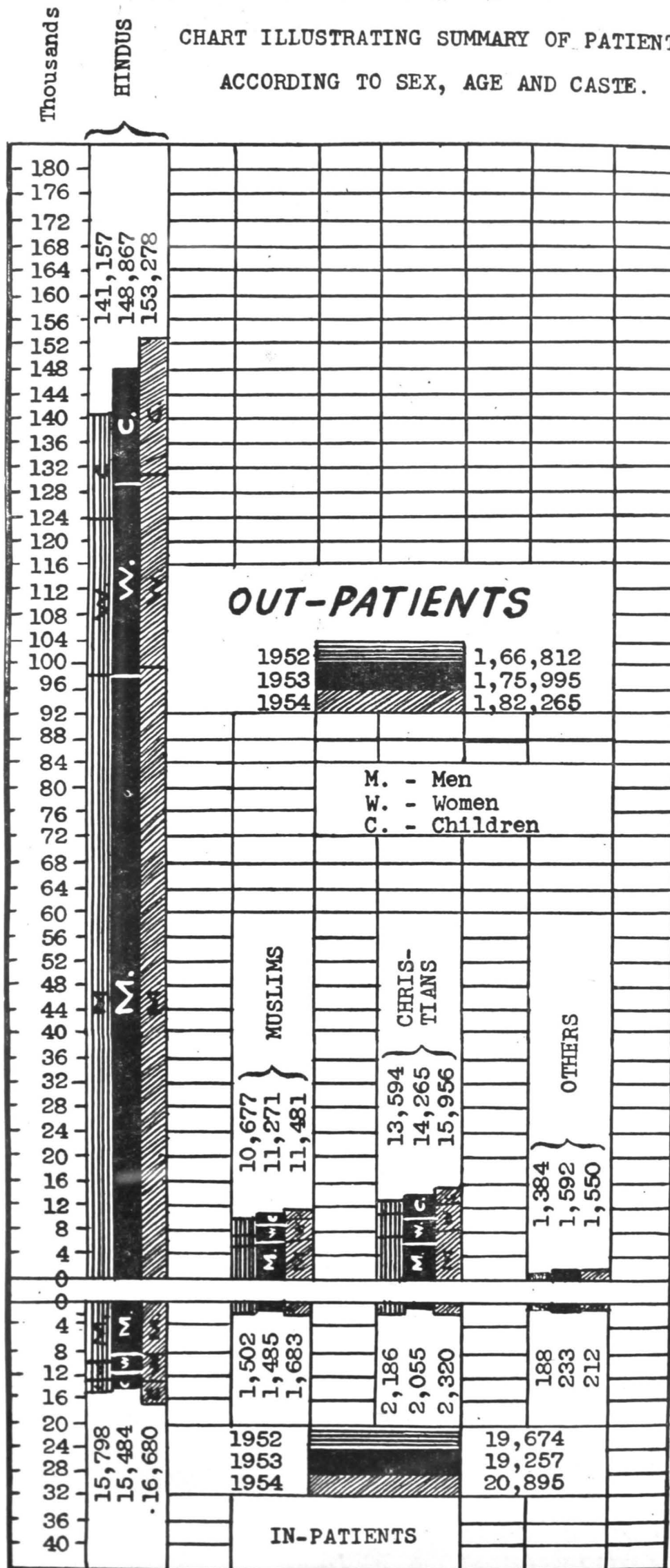
## APPENDIX No. 12

A statement showing the Out-patients (new, old and casualty) treated in the K. E. M. Hospital during the year 1954 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	35,123	69,389	1,04,512	2,526
	... Female	13,243	37,670	50,913	218
	... Children—				
	... Male	5,519	10,389	15,908	121
	... Female	4,414	7,191	11,605	64
Surgical	... Male	39,036	83,356	1,22,392	24,401
	... Female	7,685	19,058	26,743	3,666
	... Children—				
	... Male	4,655	7,255	11,910	3,629
	... Female	2,256	3,409	5,665	1,517
Ophthalmic	... Male	11,046	24,851	35,897	3,378
	... Female	3,482	11,865	15,347	121
	... Children—				
	... Male	834	2,677	3,511	82
	... Female	651	1,958	2,609	51
Gynaecological	... Female	5,019	23,992	29,011	17
	... Female Children	28	2	30	4
Dental	... Male	6,719	4,265	10,984	35
	... Female	2,970	2,717	5,687	5
	... Children—				
	... Male	406	466	872	5
	... Female	303	279	582	2
Skin and Venereal	... Male	9,544	27,051	36,595	62
	... Female	2,084	7,664	9,748	1
	... Children—				
	... Male	920	2,803	3,723	3
	... Female	736	1,724	2,460	...
Aural	... Male	6,388	18,024	24,412	390
	... Female	2,935	10,152	13,087	97
	... Children—				
	... Male	1,515	3,456	4,971	271
	... Female	1,184	2,520	3,704	188
Orthopaedic	... Male	7,660	36,989	44,649	3,999
	... Female	1,918	10,211	12,129	613
	... Children—				
	... Male	1,215	3,926	5,141	783
	... Female	619	2,030	2,649	328
Psychiatric	... Male	743	8,967	9,710	11
	... Female	390	4,603	4,993	...
	... Children—				
	... Male	87	913	1,000	...
	... Female	51	493	544	1
Neurology	... Male	264	1,301	1,565	...
	... Female	92	403	495	...
	... Children—				
	... Male	56	132	188	...
	... Female	37	46	83	...
Neurosurgery	... Male	214	773	987	...
	... Female	139	270	409	...
	... Children—				
	... Male	57	107	164	...
	... Female	28	25	53	...
Grand Total		1,82,265	4,55,372	6,37,637	46,589

# APPENDIX No. 13

CHART ILLUSTRATING SUMMARY OF PATIENTS  
ACCORDING TO SEX, AGE AND CASTE.



## APPENDIX No. 23

A report of the X-Ray and Electro-therapeutic Department of the K. E. M. Hospital for the year 1954.

During the year ended on 31st December 1954 the following work was done in the X-Ray Department:—

14,723 patients were X-rayed for various conditions.

1,977 patients were undergone Barium-meal investigations.

409 patients were given Deep-X-ray treatment.

439 patients had superficial X-ray therapy.

28 patients had chaul short-distance therapy.

## APPENDIX No. 24

A statement showing the classification according to the nature of the disease and sex of out-patients and in-patients treated in the Skin and Venereal Department of the K. E. M. Hospital during the year 1954.

Description.	Out-patients		In-patients.	
	Male	Female	Male	Female
Primary Syphilis	968	60	3	...
Secondary Syphilis	681	50	12	4
Tertiary Syphilis	5	...	1	...
Congenital Syphilis	1	3	...	...
Total No. of cases of Syphilis	1,655	113	16	4
Acute Gonorrhoea	484	45	...	...
Chronic Gonorrhoea	216	31	5	...
Total No. of cases of Gonorrhoea...	700	76	5	...
Phagedena	11	...	1	...
Chancroid	1,045	27	5	...
Granuloma Inguinal (5th V.D.)	6	1	6	1
Lympho-granuloma Inguinal (6th V.D.)	...	...	...	...
Total No. of Venereal Cases	1,062	28	12	1
Leprosy Cases	239	25	...	...
Skin diseases	7,808	2,578	111	48
Total	8,047	2,603	...	...
Grand Total of Venereal, Skin and Leprosy	10,464	2,820	144	53

## APPENDIX No. 25

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 Psychiatric Department of the K. E. M. Hospital, during the year 1954.

TABLE I

Summary of the patients treated and classified according to Sex —

Sex	Outdoor	Indoor
Male	743	59
Female	390	32
Children—Male	87	7
Children—Female	51	5
Transferred from other Departments	643	...
Total	1,914	103

TABLE II

*Summary of patients classified according to diseases:—*

Nature of Diseases	No. of cases
Schizophrenia	... 225
Manic depressive Psychosis	... 135
Paranoia	... 37
Post partum Psychosis	... 32
Acute Psychotic State	... 63
Reactive Psychosis	... 40
Psycho somatic	... 173
Anxiety state	... 70
Hysteria	... 180
Sex disorder	... 297
Epilepsy	... 330
Mental defect	... 129
Miscellaneous	... 306

TABLE III

*Summary of Diagnostic and Therapeutic measures:—*

Particulars	No.
Electro-encephalograms	... 602
Electro-convulsive therapy	... 71
Insulin subcoma	... 83
Cardiozol injections	... 40
Narcotherapy—	
(a) Pentothal	... 30
(b) Carbon dioxide	... 30
(c) Methidrine	... 10

## APPENDIX No. 26

*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 1954.*

Clinical conditions for which Electro-cardiogram was taken.	Total
Congenital heart disease	... 61
Coronary heart disease	... 217
Congestive cardiac failure	... 117
Valvular heart disease	... 130
Hypertensive heart disease	... 92
Cardiac arrhythmias	... 40
Chest pain	... 43
Pericardial disease	... 29
Cor pulmonale	... 29
Thyroid disease	... 18
Tachycardias	... 9
Bradycardia	... 5
Acute rheumatic fever	... 17
Aneurysm of Aorta	... 7
Subacute bacterial endocarditis	... 1
Heart block	... 8
Miscellaneous	... 222
Total	... 1,045



## APPENDIX No. 27

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 1954, as also an account of Autopsy work done during the year.

## (A) Central Clinical Laboratory.

45,503 Laboratory investigations were carried out during the year 1954 in the Central Clinical Laboratory (as apart from the ward laboratories) on the material sent from the hospital as against 42,428 and 37,352 in the years 1953 and 1952, respectively. These are grouped under the following heads: 1. Pathological, 2. Bacteriological, (3) Biological, and (4) Biochemical.

## —Pathological

	1954
(i) Routine Examination of urine	5,659
(ii) Examination of Blood—	
(1) Cytological Examination—	
(a) Complete cytology	1,320
(b) Platelet count	32
(2) Coagulation time	89
(3) Bleeding time	89
(4) Erythrocyte-sedimentation test	1,868
(5) Detection of parasites—	
(a) Microfilaria	314
(6) Bone marrow	28
(iii) Examination of faeces	3,892
(iv) Detection of tape worm head	4
(v) Examination of sputa	1,257
(vi) Examination of puncture fluids—	
(a) Cerebro-spinal fluid	2,281
(b) Pleural fluid	166
(c) Ascitic fluid	296
(d) Other fluids	16
(vii) Histological examination of surgical tissues	5,310
	22,621

## I.—Bacteriological—

(i) Urine—	
(a) Cultural examination	245
(b) Cultural examination for <i>M. tuberculosis</i>	24
(ii) Blood—	
(a) Cultural examination	398
(b) Serological examination—	
(1) Widal reaction	466
(2) 'O' agglutination test	3
(3) Kahn test	9,047
(4) Wassermann reaction	1,031
(5) Weil Felix reaction	41
(6) Agglutination test against <i>Leptospira</i>	7
(7) Agglutination test against <i>Brucella</i> group	22
(8) Paul-Bunnell test	10
(9) Napier aldehyde test	44
(iii) Faeces—	
(a) Cultural examination	46
(iv) Puncture fluid—Cultural examination—	
(a) Cerebro spinal fluid (culture for <i>M. tuberculosis</i> )	45
(b) Cerebro spinal fluid (routine and culture)	400
(c) Pleural fluid—culture	125
(d) Pleural fluid—culture for <i>M. tuberculosis</i>	19
(e) Peritoneal fluid—	
(1) Culture	83
(2) Culture for <i>M. tuberculosis</i>	15
(f) Other aspirated fluids	115
(v) Microscopic and cultural examination of—	
(a) Sputum for <i>M. tuberculosis</i> (routine and culture)	29
(b) Sputum—routine culture	49
(c) Pus, routine and culture	259
(d) Throat swabs	643
(e) Pus—Anaerobic culture	2
(f) Nasal swabs	171
(g) Swab from Nasal Sinuses, ear and aspirated fluids	60
(vi) Examination for presence of microorganisms-smears (microscopy)	
(1) Urethral or cervical discharge	78
(2) For Leishman-Donovan Bodies	33
(3) For culture on N. N. N. medium for <i>Leptomonas</i> forms of <i>Leishmania</i>	27
(4) Fungus	3
(5) Material for Darkground examination	4
(vii) Preparation of Auto-vaccine	13
(viii) Preparation of Autolysate	20
	13,577

## III.—Biological—

## (i) Casoni's Test

... 14

## IV.—Biochemical—

14

## (i) Urine—

- (1) Determination of Diastase Index
- (2) Hippuric Acid Liver Function test
- (3) Calcium
- (4) Creatine and Creatinine
- (5) Urobilinogen Estimation
- (6) Chlorides Estimation
- (7) Phosphorus
- (8) Urea
- (9) Ammonia
- (10) Sugar
- (11) Bilirubin

... 15  
 ... 22  
 ... 2  
 ... 20  
 ... 24  
 ... 21  
 ... 1  
 ... 1  
 ... 12  
 ... 1  
 ... 1

## (ii) Blood—

## (a) Determination of Chemical Constituents—

- (1) Albumin
- (2) Bilirubin
- (3) Calcium
- (4) Chlorides
- (5) Cholesterol
- (6) Cholesterol ester
- (7) Creatinine
- (8) Fibrinogen
- (9) Globulin
- (10) Glucose (fasting level)
- (11) Non-Protein nitrogen
- (12) Phosphorus, Inorganic
- (13) Potassium
- (14) Protein, total
- (15) Sodium
- (16) Uric Acid
- (17) Urea Nitrogen

... 613  
 ... 160  
 ... 70  
 ... 7  
 ... 266  
 ... 1  
 ... 13  
 ... 2  
 ... 613  
 ... 271  
 ... 1,092  
 ... 61  
 ... 5  
 ... 697  
 ... 6  
 ... 10  
 ... 1,066

## (b) Other tests of Blood—

- (1) Determination of Icteric Index
- (2) Blood Sugar Tolerance Curve
- (3) Van den Bergh Reaction
- (4) Urea Clearance
- (5) Takata-Ara
- (6) Serum Diastase
- (7) Prothombin Time
- (8) Fragility of Erythrocytes
- (9) Phosphatase (alkaline)
- (10) Phosphatase (acid)
- (11) Thymol turbidity
- (12) Thymol flocculation
- (13) Bromsulphalein
- (14) Diethyl Barbituric Acid Flocculation
- (15) Blood Ammonia
- (16) Blood clotting time
- (17) Clotting time with calcium chloride
- (18) Colloidal gold flocculation
- (19) Spectroscopic examination

... 445  
 ... 86  
 ... 437  
 ... 53  
 ... 13  
 ... 21  
 ... 223  
 ... 11  
 ... 249  
 ... 53  
 ... 207  
 ... 21  
 ... 12  
 ... 2  
 ... 1  
 ... 1  
 ... 2  
 ... 1  
 ... 1

## (iii) Cerebro spinal fluid—

## Determination of Chemical Constituents—

- (1) Chlorides
- (2) Glucose

... 978  
 ... 241

## (iv) Cerebro spinal fluid—Lange's Colloidal Gold Test

... 57

## (v) Examination of Gastric contents (fractional method)

... 815

## (vi) Ascitic Fluid—

- (1) Takata Ara test
- (2) Total proteins
- (3) Albumin
- (4) Globulin
- (5) Bilirubin

... 7  
 ... 136  
 ... 42  
 ... 42  
 ... 7

## (vii) Pleural Fluid—

- (1) Total Proteins
- (2) Chloride
- (3) Calcium
- (4) Cholesterol
- (5) Specific gravity
- (6) Reaction

... 31  
 ... 1  
 ... 1  
 ... 1  
 ... 1  
 ... 1

## (viii) Some special tests—

- (a) Keppler's test
- (b) Fat estimation of stool
- (c) Fluid from fistula Amylase
- (d) Intra peritoneal fluid Amylase
- (e) Mucoid substance Total Proteins

... 6  
 ... 9  
 ... 1  
 ... 1  
 ... 1

9,291

## APPENDIX No. 27—(Concl.)

We thank the Director, Haffkine Institute, for carrying out for use some special bacteriological investigations.

## AUTOPSY SECTION

547 autopsies were performed during the year 1954 as against 451 in 1953 and 572 in 1952. A detailed record of every autopsy together with the investigations carried out is filed up. The total number of 547 autopsies include the following performed on the bodies received from other institutions specified below:—

K. E. M. Hospital (including partial autopsies)	528
Acworth Leper Home	8
Nowrosjee Wadia Maternity Hospital	11

We are grateful to the authorities of the above institutions for giving us this opportunity.

The records are carefully scrutinized and the findings indexed. A typed summary of the autopsy findings is sent to the respective Hospital for filing up with the original case papers.

The following table gives the number of paraffine blocks prepared for histological examinations from the Autopsy material and the surgical tissues from 1st January 1954 to 31st December 1954 together with the figures for the previous two years.

Year	Blocks of Post-mortem organs	Blocks of tissues from the surgical side of the K. E. M. Hospital and from outside	Tissues received from enquiries under the I. C. M. R.	Total
1954	4,071	5,310	793	10,174
1953	2,833	4,262	252	7,347
1952	3,269	3,789	...	7,058

## The Blood Bank

Number of Blood Samples collected	1,901
Number of Plasma separated	74
Number of Blood Samples supplied for Transfusion	1,792
Grouping and Matching of Blood for Transfusion	2,432
Number of samples of Blood discarded	27
Number of Blood samples used for High Titre serum	8
Reports on Rh. grouping	348
Reports on Cold Agglutination test	22
Reports on Coomb's test	19
Plasma Bottles issued	2
Spectroscopic Examination of urine	9

## (B) Out Patients Department Laboratories.

Pathological investigations were carried out in the Out Patients Department Laboratories as under:—

Red Blood Corpuscles and Haemoglobin	2,942
White Blood Corpuscles. Total and Differential	4,048
Stool routine	2,201
Urine routine	4,591
Sputum routine	275
Semen	450
Treponema Pallidum	180
Prostatic smear	288
Thread smear	576
Urethral smear	384
Cervical smear	192
Ear swab	217
Skin swab	314
Collection of Blood for K. T. E. S. R.	832
	1,924

## APPENDIX No. 28

*A statement showing the work done at the Family Health Centre in the K. M. Hospital during the year 1954.*

Particulars	Families	Members	Average No. of members in a family
Registered	172	868	5.46%
Examined	102	398	
Re-examined	14	55	
World University students—			
Registered	...	116	
Examined	...	108	
Investigations—			
Blood Samples	...	376	...
Urine Samples	...	361	...
Stool Samples	...	7	...
Visits by the Health Visitor	...	775	...

## APPENDIX No. 29

*A statement showing the conditions and number of patients treated in the Physio-Therapy Department of the K. E. M. Hospital from 1st April 1954 to March 31st 1955.*

CLASSIFICATION	Nos.
<b>I.—Post Traumatic Conditions—</b>	
<b>A.—FRACTURES—</b>	
(1) Upper Extremity (Humerus, radius, ulna)	213
(2) Involving elbow	103
(3) Colles' fractures	241
(4) Hand and fingers	233
(5) Skull	6
(6) Clavicle	23
(7) Scapula	15
(8) Spine	96
(9) Pelvis	12
(10) Lower Extremity (femur, tibia, fibula)	194
(11) Patella	20
(12) Pott's fracture	27
(13) Calcaneum	17
(14) Tarsus and Toes	43
(15) Monteggia	9
<b>B.—DISLOCATIONS—</b>	
(1) Shoulder	19
(2) Elbow	26
(3) Thumb	3
(4) Finger	11
(5) Hip	5
(6) Patella	3
(7) Ankle	3
(8) Epiphyseal	4
<b>C.—AMPUTATIONS—</b>	
(1) Finger	28
(2) Thigh	12
(3) Below Knee	6
(4) Arm	1
(5) Toe	2
<b>D.—CONTUSIONS AND CRUSH INJURIES—</b>	
(1) Shoulder	16
(2) Elbow	34
(3) Wrist	29
(4) Hand	50
(5) Thumb	52
(6) Finger	301
(7) Chest	5
(8) Sacroiliac	6
(9) Gluteus	6
(10) Thigh	8
(11) Knee	20
(12) Ankle	12
(13) Feet and Toes	27
(14) Sudek's Atrophy	1

CLASSIFICATION		Nos.
<b>E.—SPRAINS</b> ...		
(1) Neck	...	6
(2) Shoulder	...	21
(3) Elbow	...	6
(4) Wrist	...	16
(5) Finger	...	20
(6) Back	...	29
(7) Thigh	...	9
(8) Knee	...	21
(9) Calf	...	4
(10) Ankle	...	52
(11) Foot	...	18
(12) Tennis Elbow	...	15
<b>F.—MISCELLANEOUS—</b>		
(1) Wound	...	40
(2) Burns	...	29
(3) Haematoma	...	13
(4) Muscular strain	...	15
(5) Skin graft	...	1
(6) Cartilage tear (Meniscus)	...	28
(7) Adherent scar	...	8
(8) Excision	...	5
<b>II.—Rheumatic Conditions—</b>		
(A) Periarthritis and Osteoarthritis	...	500
(B) Lumbago	...	11
(C) Rheumatoid arthritis	...	46
(D) Multiple arthritis (polyarthritis)	...	4
(E) Septic Arthritis	...	10
(F) Infective Arthritis	...	8
(G) Synovitis	...	113
(H) Spondylitis	...	21
(I) Bursitis	...	7
(J) Writers' Cramp	...	4
(K) Sacroilitis	...	119
(L) Myositis and Fibrositis	...	270
(M) Little's Disease	...	1
(N) Frozen Shoulder	...	135
<b>III.—Neurological Conditions—</b>		
(1) Spinal cord tumour (Post-Op.)	...	23
(2) Brain tumour (Post-Op.)	...	4
<b>A.—CENTRAL NERVOUS SYSTEM (Upper Motor Neuron)</b>		
(1) Paraplegia	...	73
(2) Hemiplegia	...	210
(3) Diplegia	...	5
(4) Monoplegia	...	18
(5) Cerebral Palsy	...	4
(6) Cerebellar ataxia	...	12
(7) Parkinson's	...	7
(8) Ascending myelitis	...	2
(9) Transverse myelitis	...	9
(10) Tabes Dorsalis	...	8
(11) Meningitis	...	13
(12) Myopathy	...	15
(13) Huntington's chorea	...	1
(14) Tetany	...	1
(15) Disseminated Sclerosis	...	1
(16) Pseudohypertrophic Musc. Dystrophy	...	4
(17) Quadraplegia	...	6
(18) Encephalitis	...	4
(19) Parietal Lobe Syndrome	...	1
(20) Hereditary Muscular Dystrophy	...	1
(21) Postero-Lateral Sclerosis	...	4
(22) Motor Aphasia	...	1
(23) Virus Myelitis	...	6
(24) Friedrich's Ataxia	...	2
(25) Fallot's Tetralogy	...	3
(26) Wilson's Disease	...	1
(27) Epilepsy	...	2
(28) Fibrosis of Palate	...	2
(29) Myasthenia Gravis	...	4
(30) Subacute combined degeneration	...	4

CLASSIFICATION	No.
(31) Syringomyelia ... ..	3
(32) Weber's Syndrome ... ..	1
(33) Guillain—Barre Syndrome ... ..	1
(34) Duchenne's Disease ... ..	1
<b>B.—PERIPHERAL (LOWER MOTOR NEURON)—</b>	
(1) Prolapsed intervertebral disc ... ..	44
(2) Poliomyelitis ... ..	82
(3) Brachial palsy (radial, ulnar, median)	59
(4) Bell's Palsy (facial) ... ..	70
(5) Polyneuritis ... ..	3
(6) Cervical rib ... ..	15
(7) Herpes ... ..	1
(8) Neuritis and Neuralgia ... ..	12
(9) Sciatica ... ..	19
(10) Tibialis anterior palsy ... ..	19
(11) Peroneal palsy ... ..	5
(12) Serratus anterior palsy ... ..	2
(13) Aphoria ... ..	10
(14) Hysteria ... ..	1
(15) Progressive Muscular Atrophy ... ..	5
(16) Radiculitis ... ..	6
(17) Arachnoiditis ... ..	3
(18) Prolapsed rectum ... ..	4
<b>IV.—Deformities—</b>	
(A) Flat feet ... ..	53
(B) Scoliosis ... ..	11
(C) Volkmann's Ischemic contracture ... ..	5
(D) Talipes equinus ... ..	2
(E) Torticollis ... ..	7
(F) Mallet Finger ... ..	4
(G) Postural kyphosis ... ..	2
(H) Dupuytren's contracture ... ..	6
(I) Myositis ossificans ... ..	5
(J) Club foot ... ..	1
(K) Genu Valgum ... ..	8
(L) Hallux Varus ... ..	1
(M) Cubitus Varus ... ..	1
(N) Talipes Calcaneus ... ..	1
(O) Pes Cavus ... ..	1
(P) Genu Varum ... ..	2
<b>V.—Post-Surgical Conditions—</b>	
(1) Constrictive Pericarditis ... ..	3
(2) Arthrodesis ... ..	8
(3) Empyema ... ..	2
(4) Mitral Stenosis ... ..	25
(5) Tendon and Nerve Suture ... ..	36
(6) Carcinoma ... ..	5
(7) Macmurray's Osteotomy ... ..	3
(8) Toxic goiter ... ..	1
(9) Ventral Hernia ... ..	1
(10) Adhesions ... ..	44
(11) Oedema ... ..	26
(12) Arthroplasty ... ..	9
(13) Lobectomy ... ..	8
(14) Tenotomy ... ..	3
(15) Excisions (bone) ... ..	13
(16) Sinus ... ..	11
(17) Pulmonary Stenosis ... ..	1
(18) Endocarditis ... ..	1
(19) Adherent scar ... ..	3
(20) Polydactylitis ... ..	1
(21) Keloid ... ..	1
(22) Myocarditis ... ..	1
(23) Transectomy ... ..	1
(24) Exp. Thoracotomy ... ..	1
(25) Lung Abscess ... ..	3
(26) Mastoidectomy ... ..	1
(27) Mediastinal Tumour ... ..	1
(28) Intestinal stricture ... ..	1
(29) Peritonitis ... ..	4
(30) Appendicitis ... ..	14
(31) Thrombosis and Phlebitis ... ..	7
(32) Lung Cyst ... ..	2

## APPENDIX No. 29—Concl'd.

CLASSIFICATION		Nos.
<b>VI.—Medical Conditions—</b>		
(A) Abscess	...	18
(B) Bronchiectesis...	...	13
(C) Pneumonia	...	1
(D) Parotitis	...	4
(E) Chronic Ulcer	...	1
(F) Aneurism	...	1
(G) Tinitis Aurea	...	2
(H) Thromboangeitis obliterans	...	4
(I) Pleurisy	...	4
(J) Asthma	...	4
(K) Emphysema	...	3
(L) Nephritis	...	1
(M) Diabetic Hypertension	...	2
(N) Chondromalacia	...	1
<b>VII.—Miscellaneous Conditions—</b>		
(A) Tuberculosis (Bone and joint)	...	19
(B) Osteomyelitis	...	17
(C) Functional Aphonia	...	5
(D) Ganglion and Whitlow	...	10
(E) T. B. Peritonitis	...	6
(F) T. B. Pulmonary	...	5
(G) Ankylosis of Jaw	...	2
(H) " Elbow	...	2
(I) Ptosis of Kidney	...	1
(J) Visceroptosis	...	1
(K) Pneumothorax	...	1
(L) Laryngitis	...	1
<b>VIII.—Ultra Violet Radiation Treatments—</b>		
(A) T. B. Adenitis	...	93
(B) Deficiency Diseases—		
(1) Rickets	...	37
(2) Malnutrition	...	3
(3) Debility	...	7
(4) Bed Sores	...	31
(5) Peri and Osteo-arthritis	...	26
(6) Marasmus	...	4
(7) Osteomalacia	...	2
(8) Anaemia Parasitis	...	2
<b>SKIN CONDITIONS—</b>		
(1) Alopecia areata	...	70
(2) Psoriasis	...	71
(3) Leucoderma (Vitiligo)	...	101
(4) Folliculitis	...	6
(5) Eczema	...	6
(6) Dermatitis	...	18
(7) Furunculosis	...	1
(8) Tinea	...	42
(9) Pyoderma	...	1
(10) Pityriasis rosea	...	28
(11) Scrofuloderma	...	6
(12) Lichen Planus	...	3
(13) Acne	...	1
<b>IX.—Gynaecological Conditions—</b>		
(1) Parametritis	...	22
(2) Salpingitis	...	127
(3) R. V. fixed Uterus	...	22
(4) Sterility	...	1
(5) Ovarian Cyst	...	2
(6) Prurigo	...	2
(7) Vaginal Ulcer	...	2
(8) Post Nata Exercises	...	3
(9) Cellulitis	...	2
(10) Coccydynia	...	1
(11) Colitis	...	1
<b>C.—MISCELLANEOUS—</b>		
(1) Sinusitis	...	31
(2) Osteoclasia	...	1
(3) Pharyngitis	...	2
(4) Filariasis	...	2
(5) Hodgkin's Disease (Malignant Granuloma)	...	3
(6) Quervain's Disease	...	1
<b>Grand Total</b>		<b>5,528</b>

APPENDIX No. 30

Statement of accounts of the K.E.M. Hospital Poor Box Charity Fund for the year 1954-55.

Receipts.	Amount.	Disbursements.	Amount.
	Rs. a. p.		Rs. a. p.
To Balance in hand as on 31st March 1954	... 4 596 13 3	By Supply of costly medicines, injections etc., to poor patients	... 26,276 11 0
To Balance with the Central Bank of India Ltd. as on 31-3-1954	... 36,837 7 1	By Blood transfusions charges and cost of plasma	... 14,933 5 6
To Balance with C.A., Bombay Municipal Corporation as on 31st March 1954	... 242 11 3	By Travelling expenses to patients	... 149 10 0
To Collections from Ward Boxes	... 6,984 7 3	By Spectacles to patients	... 548 0 0
To Collection from Out-Patients Department boxes	... 7,216 8 9	By Appliances such as crutches, artificial limbs, hernia belts, etc.	... 3,008 2 0
To Donations	... 22,609 13 0	By Deadstock	... 7,578 12 0
To Miscellaneous receipts	... 6,166 3 6	By Miscellaneous expenses	... 8,417 3 0
To Sale of Pharmacopoeia	... 2,139 10 0	By Printing and Stationery	... 376 11 0
To Contributions by Patients towards the cost of costly medicines, injections, artificial limbs etc.	... 5,599 11 6	By Establishment Charges	... 1,432 15 0
To Gift Shop, sale proceeds	... 23,973 5 9	By Gift shop, purchase of articles	... 21,948 7 6
To Payment of spectacles	... 226 12 0	By Payment of deposit account	... 33,287 3 9
Interest—		By Investment in 4 per cent. Bombay Municipal Loan of the face value of Rs. 35,000	... 35,762 8 0
Poor Box Account: Interest on current account	141 9 3 ...	By Investment by C.A., Bombay Municipal Corporation in 3%, 3½% & 4% Municipal Debentures of the face value of Rs. 22,800 at par and adjustments	... 23,737 8 0
Interest on Securities for 1953-54	2,744 7 0 ...	By Cash in hand on 31st March 1955	... 2,364 15 0
Interest on Securities for 1954-55	2,715 11 8 ...	By Cash in Central Bank of India Ltd. on 31st March 1955	... 32,530 3 3
Convalescent Home Fund Account		By Cash with the Chief Accountant, Bombay Municipal Corporation on 31-3-55	... 123 11 7
Interest on securities for 1954-55	11,819 3 4 ...		
To Amount realised on account of redemption of securities	... 11,799 5 0		
To Contributions by patients & their relatives towards blood transfusion and supply of plasma	... 26,418 0 0		
To Collections on account of medical certificates	... 7,361 8 0		
To Receipts on account of deposits such as patients' money, moiety etc.	... 32,832 11 0		
<b>Total</b>	<b>2,12,425 14 7</b>	<b>Total</b>	<b>2,12,425 14 7</b>





APPENDIX No. 32.  
(Books presented to the Library)

Fozdar Memorial Fund	...	...	...	...	...	...	...	73
Dr. K. M. Masani	...	...	...	...	...	...	...	1
Dr. L. D. Dhavale	...	...	...	...	...	...	...	1
Dr. R. G. Chitre	...	...	...	...	...	...	...	1
An anonymous donor through Messrs. Popular Book Depot	...	...	...	...	...	...	...	2
Rockefeller Foundation	...	...	...	...	...	...	...	3
Les Foundation for Nutritional Research	...	...	...	...	...	...	...	2
Calvary Baptist Church, Washington	...	...	...	...	...	...	...	8
International Union against Tuberculosis	...	...	...	...	...	...	...	1
Regional Director, W. H. O. for S. E. Asia	...	...	...	...	...	...	...	1
British Information Services	...	...	...	...	...	...	...	1
British Council, Bombay	...	...	...	...	...	...	...	44
Department of State, U. S. A.	...	...	...	...	...	...	...	1
From U. S. A. under T. C. A. program through the Director General of Health Services, New Delhi	...	...	...	...	...	...	...	90
Books on medical subjects	...	...	...	...	...	...	...	41
From U. S. A. under T. C. A. program through the Director General of Health Services, New Delhi	...	...	...	...	...	...	...	1
Books on Nursing	...	...	...	...	...	...	...	1
Indian Council of Medical Research, New Delhi	...	...	...	...	...	...	...	1
Director General of Health Services, New Delhi	...	...	...	...	...	...	...	2
Authors	...	...	...	...	...	...	...	5
Publishers	...	...	...	...	...	...	...	1
Sandoz, Ltd., Bombay	...	...	...	...	...	...	...	2
Eli Lilly & Co., Bombay	...	...	...	...	...	...	...	2
Total								282

APPENDIX No. 33.  
(Research Enquiries)

- (1) The Enquiry on "Coxsackie Virus Infection in Bombay City;" was continued.
- (2) The Enquiry on "Testing various strains of micro-organisms for their sensitivity to different antibiotics" was concluded.
- (3) The Enquiry on "Cultivation of Endamoeba Histolytica" was continued.
- (4) "Study of VI Bacteriophage typing of Salmonella Typhoid" was started.
- (5) Attempts were made to cultivate poliomyelitis virus in tissue cultures.
- (6) The Inquiry on "Anaemias" was continued.
- Research work undertaken by Dr. Roger A. Lewis, A.B., M.D., Visiting Professor of Pharmacology:—  
(from 7 to 13).
- (7) Studies on the treatment of Tetanus with Dr. J. C. Patel were concluded.
- (8) Studies on Serum Protein levels and patterns in normal and abnormal conditions were continued.
- (9) Studies of the effect of small doses of antibiotics upon the nutritional status of children with Kwashiorkor and related disturbances were started with the assistance of Dr. M. P. Bhagat of the Bai Jerbai Wadia Hospital for Children.
- (10) Studies on Pharmacological aspects of hypothermia were continued with the help of Dr. P. K. Sen.
- (11) With the funds granted by the Council of Scientific and Industrial Research Pharmacological studies were carried out on "Evaluation of aqueous suspension of desoxycorticosterone acetate" and "biological assay of Rauwolfia Serpentina." A study on the Phenol Red Test of renal fixation was also carried out with the help of funds granted by the C.S.I.R.
- (12) Clinical studies on the treatment of amoebic dysentery and tropical eosinophilia were started.
- (13) A study on the efficacy of large quantities of coconut water in the treatment of congestive heart failure with oedema was started with Dr. C. N. Shah.
- Research work conducted under the guidance of Professor K. C. Batliwalla (from 14 to 18):—
- (14) A study of "Vagus escape" and the "Velocity of nerve impulse" by Dr. Duarte-Monteiro.
- (15) A study of B. M. R. findings with a view to establish normal Indian Standards and the relationship of the same to bodily functions by Dr. E. J. Vaz.
- (16) A study of Electrocardiographic variations under different physiological conditions by Dr. M. M. Bhatt.
- (17) A study of the various factors affecting "capillary permeability" by Dr. R. V. Dabholkar.
- (18) A study of capillary circulation in frogs by Dr. K. V. Mehta.
- Research work conducted under the guidance of Dr. R. G. Chitre (from 19 to 26):—
- \* (19) Nicotinic acid metabolism in human subjects.
- \* (20) Nicotinic acid metabolism with special reference to its Biosynthesis.
- (21) Pyridine Nucleotides of Blood and their synthesis.
- (22) Inter-relationship between Folic acid, Vitamin B12 and Vitamin C.
- (23) Studies in B Complex Vitamins in cereals and pulses.
- (24) Estimation of amino acids in oats and peas.
- (25) Nutritive value of some Italian Millets.
- (26) The effect of cereals and pulses on the formation of haemoglobin and plasma proteins in albino rats.
- \* (27) Enquiry into the use of Artificial Hypothermia (Hibernation) in open Intracardiac Surgery was continued by Dr. P. K. Sen.
- Subjects of articles on medical subjects published by the members of the Honorary, Professorial and other staff during the year are shown in the Appendix No. 34
- \* These enquiries were carried out under the auspices of the Indian Council of Medical Research, New Delhi.

## APPENDIX No. 34.

(List of publications by the staff)

**DR. BHARUCHA, E. P. AND DSEAI, A. D.**Meningeal irritation following introduction of Pantopaque for myelography case report, *Ind. J. Med. Sc.*, 8: 220, 1954.**DR. CHITRE, R. G. ; TIKEKAR, P. G. ; KELKAR, M. K. AND PATEL, J. C.**

- (1) Folic Acid Conjugate from rat intestines, *J. Univ. Bom.*, Vol. 23, November 1954,
- (2) Calcium, Phosphorus and Alkaline phosphatase levels in the sera of 545 normal Indian Children, *Ind. J. Med. Sc.*, 8: 214, 1954.
- (3) Calcium, Phosphorus and Alkaline Phosphatase levels in the serum of Rachitic children, *Ind. J. Med. Sc.*, 8: 847, 1954.

**DR. DESA, A. E.**

- (1) Idiopathic hydronephrosis in Childhood, *Ind. J. Child Health*, 3: 403, 1954.
- (2) Abdominal Pain in Children, *Ind. J. Child Health*, 3: 115, 1954.

**DR. DHAYAGUDE, R. G.**Medical Research and Teachers, *Ind. J. Med. Sc.*, 8: 737, 1954.**DR. DHURANDHAR, C. B.**

- (1) Eye in Thyrotoxicosis, *Ind. J. Med. Sc.*, 8: 102, 1954.
- (2) Simplified Management in Cataract Surgery, (Dhurandhar C. B. and Maskati, B.T.) *Ind. J. Med. Sc.*, 9: 13, 1955.
- (3) Herpes Zoster Ophthalmicus treated with penicillin (Dhurandhar, C. B. and Maskati, B.T.) Read before 16th All India Ophthalmic Conference, Bombay, in March 1955.

**DR. GAITONDE, M. R.**

- (1) Stammering, treatment of 27 cases, *Ind. J. Med. Sc.*, 8: 831, 1954.
- (2) Anxiety State—a study of 50 cases treated with the help of Pentothal, Methedrine, and Carbon Dioxide, *Ind. J. Med. Sc.*, 8: 826, 1954.

**DR. GINDE, R. G.**

- (1) Paraplegia due to tuberculous granuloma resembling a spinal cord tumour, "Neurology", 1954.
- (2) Sciatica with reference to intervertebral disc, *J. Ind. Med. Profession*, March 1955.
- (3) Experiences in management of intracranial tumours based on a study of 68 cases with 80 operations, "Neurology", January 1955.

**DR. GOLWALLA, A. F.**

- Stomatitis, *Ind. J. Med. Sc.*, 8: 406, 1954.  
 Anorexia, *Ind. J. Med. Sc.*, 8: 409, 1954.  
 Diarrhoea, *Ind. J. Med. Sc.*, 8: 566, 1954.  
 Treatment of hiccough, *Ind. J. Med. Sc.* 8: 876, 1954.  
 Flatulence, *Ind. J. Med. Sc.*, 8: 877, 1954.

**DR. LEWIS, R. A. ; SATOSKAR, R. S. ; JOAG, G. G. ; DAVE, B. T. AND PATEL, J. C.**Corticotropin (ACTH) in severe Tetanus, *Ind. J. Med. Sc.*, 8: 1, 1954.**DR. LEWIS, R. A. ; SATOSKAR, R. S. ; JOAG, G. G. ; DAVE, B. T. ; and PATEL, J. C.**

A controlled study of adrenal hormone in severe tetanus (Paper read before the 139th Meeting of the Staff Society of Seth G. S. Medical College and K. E. M. Hospital in March 1954)

Cortisone and Hydrocortisone given parenterally and orally in severe tetanus, *J. A. M. A.*, 156: 479, 1954.**DR. PATEL, J. C.**

- Diagnosis and treatment of Amebiasis, *Ind. J. Med. Sc.*, 8: 869, 1954.  
 Ancylostomiasis in India: A review with suggestions for future research. *Ind. J. Med. Res.*, April 1954.  
 Typhoid Fever (Patel, J. C. ; Banker, D. D. and Modi, C. J.) *Ind. Med. Gaz.* July 1954.

**DR. PHADKE, G. M.**

- Sterility in the Males, *India J. Med. Sc.*, 8: 110, 1954.  
 Surgical Treatment of Portal Cirrhosis of the liver, *Ind. J. Med. Sc.*, 8: 379, 1954.  
 Sterilization of the Male, *J. Family Welfare*, 1: 42, 1954.  
 Testicular Biopsy, *J. Family Welfare*, 1: 74, 1955.

**DR. PURANDARE, B. N. ; SATOSKAR, R. S. AND LEWIS, R. A.**

Plasma Proteins in normals and Toxemia of Pregnancy by electrophoresis, Paper presented at the International Gynaec. and Obst. Conference, Geneva, 1954.

DR. PURANDARE, N. M.

- Pathological aspects of the portal cirrhosis of liver, Ind. J. Med. Sc., 8: 371, 1954.  
 Hepatic abscess (Purandare, N. M. and Deoras, S. M.) Ind. J. Med. Sc., 9: 1, 1955.  
 A Malignant Melanoma in the Nose, Ind. Med. Gaz., March 1954.

DR. SATOSKAR, R. S. AND LEWIS, R. A.

- Plasma protein Pattern of Indian Students, relation to diet and previous illness, Ind. J. Med. Sc., 8: 663, 1954.  
 Effect of Vitamin B12 and antibiotic dietary supplement on Plasma Proteins of Indian Medical Students, "Antibiotics and Chemotherapy", 4: 1192, 1954.

DR. SATOSKAR, R. S.; LEWIS, R. A. AND GAITONDE, B. B.

- Electrophoretic Studies of the plasma proteins in virus hepatitis, J. Lab. & Clin. Med., 44: 349, 1954.

DR. SEN, P. K.; DATEY, K. K. AND BALIGA, A. V.

- Chronic Constrictive pericarditis—Report of 7 cases treated surgically, Ind. J. Med. Sc., 8: 343, 1954.  
 Connective tissue Response to implanted cellophane and its possible use in hernia—An experimental study, Ind. J. Surg., April 1954.  
 Present Status of the Surgery of the Heart, Antiseptic, April 1954.  
 Surgical Treatment of Mitral Stenosis, Indian Heart Journal.

DR. SHAH, M. J. AND VAKIL, B. J.

- Streptomycin in tuberculous meningitis, Ind. J. Med. Sc., 8: 77, 1954.  
 Pheochromocytoma, J. Ind. Med. Assn., 24: 121, 1954.

Kerosene poisoning in Children (Jhatakia, K. U., Yodh, B. B. Jt. authors) Ind. J. Med. Sc., 8: 47, 1954.

DR. SHAH, M. J. AND LEWIS, R. A.

- Epidemic Dropsy—Nadiad Epidemic—Observations on serum proteins and Cortisone therapy, J. Ind. Med. Assn., 24: 245, 1955.

DR. STORE, S. D.

- Nonsuppurative localised aspiration pneumonia, Ind. J. Med. Sc., 8: 223, 1954.

DR. VAKIL, R. J.

- New Approach to the hypertensive problem, Ind. J. Med. Sc., 8: 360, 1954.

#### APPENDIX No. 35

##### STATISTICAL INFORMATION

Average age of students	Year 1954-55	Year 1953-54
(i) at the time of admission	... 18.95	18.5
(ii) at the time of matriculation	... 16.73	16.6
Marital state at the time of admission—		
Married	... Nil.	
Betrothed	... Nil.	
Single	... 85	
Occupations of parents or guardians—		
Service	... 37	
Business	... 27	
Medical Profession	... 10	
Legal Profession	... 4	
Pension	... 2	
Miscellaneous occupations	... 5	

#### APPENDIX No. 36

##### (Particulars regarding Students)

Number of students in the different classes:—

Class	Male students	Female students	Total
1st M.B., B.S., 1st Year	... 64	21	85
1st M.B., B.S. 2nd Year	... 47	18	65
2nd M.B., B.S. 3rd Year	... 93	25	118
2nd M.B., B.S. 4th Year	... 68	16	84
3rd M.B., B.S. 5th Year	... 112	31	143
Total number of students	... 384	111	495
Post-graduate students including reserach students	... 149	22	171
Total	... 533	133	666

## APPENDIX No. 36—(Contd.).

Candidates of the Condensed M.B., B.S. course which are included in the above figures.

Class	Male students	Female students	Total
1st M.B., B.S.	8	2	10
2nd M.B., B.S.	3	...	3
3rd M.B., B.S.	11	2	13
Total	22	4	26

Results of various Examinations.  
Under graduate examinations.

					Candidates sent up	No. of candidates who passed the whole examination
1st M.B., B.S.	April 1954	...	...	...	90	56
	October 1954	...	...	...	113	65
2nd M.B., B.S.	April 1954	...	...	...	96	87
	October 1954	...	...	...	24	23
3rd M.B., B.S.	April 1954	...	...	...	73	37
	October 1954	...	...	...	74	40

## Post-graduate examinations

					Candidates sent up	No. of candidates who passed the whole examination
M.D. (Medicine)	April 1954	...	...	...	10	1
	October 1954	...	...	...	10	2
M.D. (Pathology)	April 1954	...	...	...	...	...
	October 1954	...	...	...	2	1
M.D. (Obstetrics)	April 1954	...	...	...	11	1
	October 1954	...	...	...	13	2
M.D. (Pharmacology)	April 1954	...	...	...	...	...
	October 1954	...	...	...	...	...
M.S. (General Surgery)	April 1954	...	...	...	8	2
	October 1954	...	...	...	10	2
M.S. (E. N. T.)	April 1954	...	...	...	1	1
	October 1954	...	...	...	1	1
M.S. (Ophthalmology)	April 1954	...	...	...	2	1
	October 1954	...	...	...	1	...
D.A.	April 1954	...	...	...	2	2
	October 1954	...	...	...	2	1
D.L.O.	...	...	...	...	...	...
D.M.R.E.	...	...	...	...	...	...
D.O.	...	...	...	...	...	...
D.P.H.	...	...	...	...	...	...
D.V.D.	April 1954	...	...	...	...	...
	October 1954	...	...	...	1	1
B.Sc. (Medical)	April 1954	...	...	...	3	2
	October 1954	...	...	...	3	2
M.Se. (Medical)	April 1954	...	...	...	...	...
	October 1954	...	...	...	1	1

## APPENDIX No. 36—(Concl.).

						Candidates sent up	No. of candidates who passed the whole examination
M.Sc.	April 1954	...	...	...	...	12	10
	October 1954	...	...	...	...	1	1
Ph.D.	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	...	...
D.A. (C.P. & S.)	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	2	2
D.G.O.	April 1954	...	...	...	...	3	1
	October 1954	...	...	...	...	7	2
D.O.M.S.	April 1954	...	...	...	...	5	2
	October 1954	...	...	...	...	3	...
D.P.B.	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	1	1
D.D.V.	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	...	...
M. D. (Pharmacology)	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	...	...
D. D. V.	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	...	...
D.O.R.L.	April 1954	...	...	...	...	...	...
	October 1954	...	...	...	...	3	3
F.C.P.S.	April 1954	...	...	...	...	3	1
	October 1954	...	...	...	...	2	1

## APPENDIX No. 37

## ANNUAL COST AND REVENUE

	1954-55	1953-54
	Rs.	Rs.
Total expenditure including expenditure on hostels	5,02,836	5,05,806
Dearness Allowance (included in the above figures)	85,457	83,145
Revenue from Tuition fees, Hostel rent and Miscellaneous receipts	1,77,020	1,90,482
Revenue from Post-graduate fees	23,870	23,770
Gross Cost per student	1,015.8	1,034.4
Net cost per student	658.2	644.8
Income from Hostels	21,324	24,814
Expenditure on Hostels	35,043	25,873

Thanks are due to the authorities of the Bai Jerbai Wadia Hospital for Children for continuation of facilities given to the students of this College for clinical instruction in the diseases of children.

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.

S. G. VENGSARKAR,  
Dean,  
K. E. M. Hospital &  
Seth G. S. Medical College.

# BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL & T. N. M. COLLEGE

1. Dr. S. G. Vengsarkar, M.D., F.C.P.S., held the post of the Dean and Superintendent of these Institutions till 25th March 1955 and Dr. L. Monteiro, M.D., Professor of Pathology and Bacteriology Officiating Dean from the said date during the remaining part of the year.

## Names of the Consultants.

The following Honorary Consultants continued to hold the posts during the year:—

- (1) Dr. P. F. Soorawala, M.D., Honorary Consulting Physician.
- (2) Dr. K. A. J. Lalkaka, M.B.B.S., Honorary Consulting Psychiatrist.
- (3) Dr. H. V. Tilak, B.Sc., M.B.B.S., F.R.C.S., F.C.P.S., Honorary Consulting Obstetrician and Gynaecologist.

## Advisory Committee.

2i Advisory Committee of the College and Hospital held 2 meetings during the year.

## Advisory Medical Board.

3. During the year under report, the Advisory Medical Board held 4 meetings.

## BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL.

4. The number of beds in the Hospital during the year was 330. These were fully occupied during the year under report and 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	6	2	2	10
Aural	9	5	2	16
Orthopaedic	11	7	2	20
Maternity	...	40	...	40
Paediatric	...	...	25	25
Tuberculosis	7	...	...	7
Dental	2	2	...	4
Others	4	2	...	6
<b>Total</b>	<b>171</b>	<b>126</b>	<b>33</b>	<b>330</b>

The total number of patients admitted during the year 1954 was 12,767 against 11,450 and 12,113 during the years 1952 and 1953 respectively.

5. The statistical tables attached to this report record in detail, the number and nature of operations performed during the year 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 394.

Particulars.	Figures for the year 1954	Figures for the year 1953
<b>A.—In-patients.</b>		
(1) Scheduled strength of beds	330	330
(2) Daily average number of In-patients	348.13	322.27
(3) Total number of in-patients treated	12,767	12,113
(4) Average number of days each patient was resident	9.69	9.7
<b>B.—Out-patients.</b>		
(1) Total number of out-patients (new)	93,283	88,004
(2) Daily average number of new out-patients	300.91	283.88
(3) Total number of out-patients (excluding casualty)	2,63,107	2,43,429
(4) Daily average number of out-patients' attendance	882.38	814.87
<b>C.—Operations.</b>		
(1) Total number of operations on in-patients	4,849	4,501
(2) Total number of operations on out-patients	4,820	4,235

6. Out of the total number of 13,104 in-patients (12,767 admitted during the year under report and 337 previous year's balance), 7,991 were cured, 2,197 were relieved, 1,772 either left the hospital against medical advice or were otherwise discharged, and 797 died, leaving a balance of 347 patients at the end of the year. Out

of 797 deaths, 204 died within the first twenty-four hours of admission, 239 died after twenty-four hours but within three days of admission, and the remaining 354 died three days after admission into the hospital.

The total number of out-patients' attendance including casualty patients during the year was 2,63,107 as against 2,43,429 of the previous year which gave a daily average of 882.38 as against 814.87 of the previous year.

7. The highest number of out-patients' attendance on any one day during the year 1954 was 1,394 as against 1,250 in the previous year. The highest number of new admissions in the out-door department was 518 likewise the highest number of old cases treated on a single day was 917, and that of in-patients admitted was 61.

8. The total expenditure incurred on the maintenance of the Hospital during the including liabilities outstanding the end of the year amounted to Rs. 13,68,561-7-6 including Dearness Allowance of Rs. 2,15,448-0-0 as against Rs. 12,29,375-8-6 in the previous year. This expenditure included in the cost of maintenance and treatment of in-patients, the cost of out-patient department, the Resident Medical, Nursing and Labour Staff as well as that of the staff for administration and maintenance and repairs of buildings etc.

9. The following table illustrates the relative cost per in-patient and out-patient per day during the year 1954-55, 1953-54 and 1952-53 respectively:—

Particulars.	1954-55.	1953-54.	1952-53.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
(a) Average cost per out-patient per day ...	0 11 7	1 4 9	1 0 10
(b) Average cost per in-patient per day ...	7 8 9	8 6 4	8 2 10

10. The details of the cost-per in-patient for 1954-55, 1953-54 and 1952-53 are shown in the following table:—

Year.	Diets.	Drugs, Dressings etc.	Stores and Linen.	Heating, Lighting and Repairs.	Establishment	Total
						Rs. a. p.
1954-55	1 7 5	1 9 3	0 6 2	0 2 7	3 15 4	7 8 9
1953-54	1 2 7	1 4 10	0 5 2	0 2 5	5 7 4	8 6 4
1952-53	1 3 10	1 3 8	0 5 2	0 3 0	5 3 2	8 2 10

11. The following table gives the average cost of every out-patient completely treated during the year in comparison with that of the previous two years:—

Year.	Drugs, Dressings, etc.	Stores and Linen.	Heating, Lighting and Repairs.	Establishment.	Total
					Rs. a. p.
1954-55	0 4 4	0 0 1	0 0 6	0 6 8	0 11 7
1953-54	0 4 5	0 0 1	0 0 6	0 15 9	1 4 9
1952-53	0 4 7	0 0 1	0 0 6	0 11 8	1 0 10

11. The following table shows the number of accident cases treated in the hospital during the year 1954. Accident cases during under report in comparison with that of the previous year:—

Sex	Treated in Casualty Department		Admitted through Casualty Department	
	1954-55	1953-54	1954-55	1953-54
<b>Adults—</b>				
Male	7,521	6,845	496	413
Female	1,267	983	145	128
<b>Children—</b>				
Male	1,148	940	118	98
Female	494	412	66	62
<b>Total</b>	<b>10,430</b>	<b>9,180</b>	<b>826</b>	<b>701</b>



13. 6, 831 Certificates were issued during the year under report as shown below :—

Certificates under Workmens' Compensation Act—'A'	...	97
Certificates under Workmens' Compensation Act—'B'	...	722
Medical opinion certificates	...	797
Certificate of police cases to police	...	1,075
Certificate to Municipal employees	...	138
Insurance certificates	...	10
Injury certificates to parties	...	62
Ordinary certificates	...	3,925

14. 161 poisoning cases were treated in the hospital during the year under report.

15. *Nursing Staff*.—During the year, two members of the Nursing Staff were deputed to attend the Conference of Trained Nurses Association of India held at Bangalore.

The arrangement of sending two nurses for two months in the Arthur Road Hospital for training in infectious diseases continued during the year.

16. During the year 86 student nurses were undergoing training in the Hospital. 23 Nurses passed the Junior Examination and 10 nurses passed the Senior Examination of the Bombay Nursing Council. The rest would be due for the examination in the year 1955-56 and onwards.

The cost of the Nursing establishment worked out to Rs. 132 per mensem against Rs. 148 in the preceding year. It included not only the salary, uniform and dhobi allowances, honorarium paid to the medical staff for giving instructions 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.

17. Midwifery training is being given at this hospital and ten student-nurses were undergoing training during the year under report.

18. *Nurses Library*.—Books were purchased for the Library and a set of 36 books was received as donation from the Point IV, T. N. M. Programme of the United States Government.

19. The Nurses' Welfare Fund has been started from 1st August 1953. It is utilised for the welfare of the Nursing staff of the B. Y. L. Nair Charitable Hospital.

20. The Co-operative Credit Society of the staff of the B. Y. L. Nair Charitable Hospital and the Co-operative Society. T. N. M. College has been amalgamated with the Bombay Municipal Co-operative Bank Ltd., from 14th October 1953.

21. During the year under report, the charges for 253 blood transfusions were paid from the Poor Blood Transfusions from Poor Patients' Patients' Fund. Fund.

22. Donations to the extent of Rs. 1,136-6-0 were received during the year 1954-55 and Rs. 15,088-1-6 Donations to Poor were collected from the boxes kept in the wards and out-door departments. Patients' Fund.

23. Staff for the Blood Bank was appointed from 1st July 1954. The equipment for the Blood Bank has been purchased. Collection of blood from the donors is not yet started, as the Space allotted for the Blood Bank is now occupied by the Bacteriology and Bio-chemistry Sections of the Pathology Department, as a result of the demolishing of the third floor of the T. N. M. College Building. However, the collection of blood from the donors will be started as soon as the above sections will be shifted to the college building. At present bottles are being obtained from the Red Cross Blood Transfusion Unit, and thereafter the bottles are distributed to the patients.

The following is the work done in this department from April 1954 to March 1955 :—

Number of blood groupings	...	2,457
Number of Cross Matchings	...	2,124
Number of bottles of blood supplied from December 1954 to March 1955	...	266

#### 24. List of Donors.

	Rs.	a.	p.
(1) Shri Kedarnath	...	61	14 0
(2) Shri A. Samson	...	125	0 0
(3) Shri Aga Murtaza	...	300	0 0
(4) The Secretary, Bombay Lodge No. 648	...	50	0 0
(5) Shri M. V. Pai	...	55	0 0
(6) Shri M. G. Shah	...	101	0 0

Besides, donations in kind were received from patients' relatives and other citizens to the extent of Rs. 1,408-6-0 during the year under report.

25. *Gastroenterology Department*.—Shri M. V. Pai donated a sum of Rs. 25,000 for the starting of Gastro-enterology department at this hospital in the name of late Shri Mangalore Ramanath Varman Pai. This department will come into operation very soon.

26. *Psychiatry Department*.—This department is newly started and Electro-encephalograph costing about Rs. 27,300 has been fitted up in the department.

27. *Cardiology Department*.—Second stage of the Cardiology Department has been sanctioned by the Corporation and apparatus is being purchased to the extent of Rs. 62,550. Third and fourth stages are under implementation.

## TOPIWALA NATIONAL MEDICAL COLLEGE

28. The University of Bombay continued the affiliation of this College for teaching the course of studies leading upto M.B.B.S. Degree Examination for a period of three years from June 1952 subject to the fulfilment of certain conditions. The question of permanent affiliation is under the consideration of the Senate.

Affiliation to the University of the—

29. During the year under report 60 (50 usual plus 10 extra seats sanctioned by the University fresh admissions were made including 14 lady students. In addition to this 5 student were also admitted to condensed M.B.B.S. Course.

Admissions.

30. The number of under-graduate students on the college roll at the close of the year was 373 which included 63 lady students. The number of post-graduate students was 56 including 8 lady students as shown below:—

Students.

Class	Students		
	Male	Female	Total
1st M.B., B.S.—1st Year	46	14	60
1st M.B., B.S.—2nd Year	11	...	11
2nd M.B., B.S.—1st Term (New Rules)	20	10	30
Do. (Old Rules)	25	1	26
2nd M.B., B.S.—2nd Term	24	4	28
Do. 3rd Term	15	1	16
Do. 4th Term	33	9	42
3rd M.B., B.S.—1st Term	12	1	13
Do. 2nd Term	39	10	49
3rd M.B., B.S. (Condensed)	2	...	2
2nd M.B., B.S. (Condensed)	1	...	1
4th Year M.C.P.S.	1	...	1
3rd Year M.C.P.S.	1	...	1
Casuals	80	13	93
	<b>Total</b>	<b>310</b>	<b>63</b>
Post-graduate students	48	8	56
	<b>Grand Total</b>	<b>358</b>	<b>71</b>
			<b>429</b>

The authorities of the Cam and Alless Hospital continued to give facilities to the Lady students of this college for attending the labour cases in that Hospital. Students were also sent to the Municipal General Hospital, Sion, for clinical training.

## Results of the Examinations

31. Results of the various Examinations for which the students were sent up by this College were as under:—

Examinations	Candidates appeared	Candidates passed	
1st M.B., B.S.	April 1954	70	30
	October 1954	95	57
2nd M.B., B.S.	April 1954	54	49
	October 1954	18	16
3rd M.B., B.S.	April 1954	62	22
	October 1954	74	44
Final L.C.P.S.	April 1954	1	1
	October 1954	1	1
1st M.C.P.S.	April 1954	2	1
	October 1954	1	1
2nd M.C.P.S.	April 1954	2	1
	October 1954	1	1
3rd M.C.P.S.	April 1954	3	2
	October 1954	3	2

32. *Prizes and Awards.*—The following students won the University Prizes:—

Name of the Student	Name of the Prizes
(1) Shri S. M. Sane	... (1) Dr. Y. S. Nadgir's Scholarship in Anatomy (April 1954). (2) Louis Borges Prizes for standing first at the 1st -M.B. B.S. Examination (April 1954).
(2) Shri A. S. Narayan	... (1) Manorama Vijayrai Hazrat Prize at the 2rd M.B.B.S. Examination in Pharmacology (April 1954). (2) Seth Jayaramdas Bery Gold Medal in Pharmacology (April 1954).
(3) Shri R. N. Chhabra	... (1) The Charles Morehead Prize. (2) Dr. R. S. Poreti Gold Medal and Prize. (At the 3rd M.B.B.S. for securing highest number of marks in Medicine—April 1954).
(4) Shri M. V. Parange	... The Lord Sandhurst Gold Medal A Prize (at the 3rd M.B.B.S. Examination for securing highest number of marks in Pathology—April 1954).
(5) Shri J. D. Samant	... The Louis Borges Prizes for Standing first at the First M.B.B.S. Examination held in October 1954.

33. The total expenditure of the College amounted to Rs. 3,58,682 during the year under Report as Annual Cost and against Rs. 3,77,654 during the previous year. The net revenue of the College by Revenue way of Tuition Fees, Miscellaneous receipts etc., amounted to Rs. 1,23,721 as against Rs. 1,32,383 during the preceeding year.

A sum of Rs. 2,01,704 was received from the Government as grant-in-aid for the year 1952-53.

According to the Government decision, no grant-in-aid will be available for this institution from the year 1955-56.

34. *Hostel.*—The total number of students residing in the hostel was 62. There was no hostel accommodation for lady students. However, arrangements were made to accommodate some lady students in Grant Medical College Hostel.

The total expenditure incurred for the hostel was Rs. 19,250 while the income derived by way of Hostel Fees was Rs. 6,487-0-0.

The Corporation have approved the plans and estimates for putting up a hostel at Haji Ali Park for 120 students of the T. N. M. College. Tenders have also been invited for construction of the Hostel and the construction work is expected to be taken up shortly.

35. *Shram Dam.*—The students of the College had offered their voluntary services for levelling the play ground at Haji Ali Park. Some members of the staff also took part in this work.

36. *Library.*—New Books and Periodicals on different medical subjects were added to the Library. The total number of books added to the Library was 469 as against 495 of the preceeding year. Out of these 65 were presented as shown below:—

United States Government under Part IV T.C.M. Programme for (Nurses Section)	...	36
United States information Service	...	7
Dr. S. G. Vengsarkar (Dean)	...	5
Rockefeller Foundation	...	3
Dr. K. M. Masani	...	2
Dr. V. G. Daftary	...	2
Dr. Y. N. Ajinkya	...	1
Dr. N. C. Dey	...	1
Dr. L. D. Dhawale	...	1
Dr. J. H. Means	...	1
Director General of Public Health	...	1
The Ford Foundation	...	1
Lilli Reserach Laboratories	...	1
Edinburgh University	...	1
Kothari Book Depot	...	1
Popular Book Depot	...	1
Total	...	65

36. *Periodicals.*—The College has subscribed to 82 periodicals during the year as against 67 in the preceeding year.

13 more periodicals were presented to the Library by the following individuals or Associations:—

(1) British Information Service	...	2
(2) Dr. B. G. Wad	...	2
(3) The British Council Agra	...	1
(4) Dr. S. G. Vengsarkar	...	1
(5) Dr. V. G. Daftary	...	1
(6) The Indian Medical Association	...	1
(7) Indian Practitioner	...	1
(8) Indian Medical Forum	...	1
(9) Mayo Clinic Foundation	...	1
(10) Rockefeller Foundation	...	1
(11) Neurological Society of India	...	1
	<b>Total ...</b>	<b>13</b>

There are separate libraries for the following Departments for the use of the departmental staff:—

- (1) Anatomy,
- (2) Physiology and Bio-Chemistry,
- (3) Pharmacology,
- (4) Pathology and Bacteriology,
- (5) Cardiology.

The total number of books available in the Library at the end of the year was 3,865 against 3,403 in the last year.

#### Museum

38. *Anatomy Museum*.—20 new specimens were added to the museum. 16 specimens which were decomposed were destroyed. The total number of specimens in the Museum at present is 360.

*Embryology Museum*.—10 clay specimens were added to the Museum. The total number of clay and wet specimens available in the Museum is 162 and 28 respectively.

*Pathology Museum*.—85 new specimens were added and the total number of specimens in the Museum is 628.

Nurses from the Hospital and students from schools were allowed to visit the Museums.

#### Research Work and Publications

39. *Physiology Department*.—Research work on the following problems is in progress:—

- (1) Effect of alkaloid complex of *B. Serpentina* on Stress induced activation of Hypophysis Adrenal activity.
- (2) Studies in inflammation.
- (3) Role of Vit. B12 in 'The Vivo Transmethylation'.
- (4) 'Ceratin Coefficient' among Indian subjects.

*Pathology Department*.—Studies in the Metabolism of B Complex in Health and Disease—

- The Genotyping and detection of haemolytic anti-bodies in new born.
- Study of Anaemias in the First year of life.
- Action of Carbon Tetrachloride on Liver.

#### Publications.

*Physiology Department*.—(1) The Influence of Somatrophic Hormone and Hydrocortisone on the Production of Hemolytic Antibodies in the Rat. *American Journal of Physiology* Vol. 177, April 1954. (Joint Author; Dr. T. H. Rindani, Prof. of Physiology).

(2) Topical Action of Steroid Hormones on Inflammation. *Arch. Int. Pharmacodyn et de therap.* 3-4, October 1954.

(3) Role of Phagocytes in Local Defence. Read in part at the Meeting of Teaching Pathologists, Bombay 26-6-54. Published in full. *Ind. Jour. Med. Res.* 43, 1, Jan. 1955.

(4) Peripheral Antagonism Between Hydrocortisone and compound S. *Proc. Soc. Exp. Biol. and Med* Vol. 87, 1954.

(5) Inflammation as Influenced by Topical Administration of an Antihistaminic Agent *Rev. Canad. Biol.* Vol. 13, No. 25, 1954.

(6) Action of Reserpin free extract of *Rauwolfia Serpentina* on Hypothesis—Adrenocortical axis in Rat *Arch. Internat. Pharmacodyn et de therap.* In press. Reg. No. 3844.

(7) Study on the influence of Somatrophic Hormone upon the effect of X—irradiation on antibody formation. *Rev. Canad. Biol.* Vol. 13, No. 11, 1954.

(8) Action of Cortisone and DCA on Isolated Frog Heart. Submitted for publication. *Ind. Jour. Physiol.*

(9) Role of Histamine in Local Defence Read at the 119th meeting of the Teaching Pathologists of Bombay on 26-3-1955.

#### Pathology Department

- (1) Simple method for concentration of Bone marrow fragments for preparation of histological section.
- (2) Chorion epithelioma of the lung with undetected primary stite.
- (3) Fallots Tetralogy—Anatomico—Pathological considerations.
- (4) Effect of high protein diet on Urea Clearance test.
- (5) Bilateral Massive Adrenal Haemorrhage.

#### Artist Section

40. 554 photographs and micro-photographs, 230 lantern slides were prepared for the different departments of the College and the hospital. In addition to this labels, posters, diagrams, etc., were also prepared.

The Artist is also attending to the work of the Nair Hospital Dental College for preparing charts, posters photographs, etc.

#### New Departments

The Municipal Corporation have sanctioned the opening of a Preventive and Social Medicine Department at these Institutions. Efforts are being made to get an expert through the Central Government from World Health Organization for the post of Professor of Preventive and Social Medicine. Dr. V. N. Panse, M.D., Asstt. Medical Officer, B. Y. L. Nair Hospital, has proceeded on leave to the United States of America for higher training in the subject on a Rockefeller Foundation Fellowship....

#### Gymkhana and other activities

42. (1) On the occasion of the inauguration of the Literary Union, Dr. N. N. Moorthy, Principal, Ruia College, gave a lecture on Heredity.

(2) The Independence Day was celebrated when Shri Justice D. V. Vyas was the Guest of Honour.

(3) The Annual Social Gathering was held on December 11, 1954 at the King George High School Hall. Shri P. R. Nayak, I.C.S., Municipal Commissioner was the Chief Guest.

(4) The Annual Picnic was held on the 9th January 1955 at the Novha Island.

(5) The Annual Sports were held on January 1955 at the Purandare Stadium. Dr. T. R. Naravane Deputy Minister for Prohibition, Government of Bombay, presided.

(6) 9 students of this college have joined the University Works Camp organised by the University of Bombay.

#### T. N. M. College Building

43. The existing College building developed several cracks on the walls and ceiling. The top floor of the building was therefore pulled down, for reasons of safety. Plans are prepared for a new College building in the vicinity on the Cama plot acquired for the purpose. It is hoped to start the construction work in a few months time. The Anatomy and Physiology Departments were shifted to the Arthur Road Hospital due to want of space in the college building as a temporary measure.

#### HOSPITAL AND COLLEGE STAFF

##### Dean and Superintendent

Shri S. G. Vengsarkar, M.D., F.C.P.S. (Appointed as Dean, K. E. M. Hospital and Seth C. S. M. College from 25th March 1955).

Shri L. Monteiro, M.D. (Appointed as Offg. Dean from 25th March 1955).

##### Assistant Medical Officers

Shri V. B. X. Almeida, M.B.B.S.

Shri V. N. Panse, M.D. (proceeded on leave abroad to avail himself of the Rockefeller Foundation Fellowship).

Shri S. K. Shah, M.B.B.S., D.A. (Appointed as Ag. A. M. O. vice Shri Panse).

##### Professor of Anatomy

Shri V. G. Kale, M.S., F.C.P.S.

##### Assistant Professor of Anatomy

Shri E. J. deSouza, M.S.

##### Lecturer in Anatomy

Shri M. M. Tegghalli, M.B.B.S.

##### Professor of Physiology

Shri T. H. Rindani, M.D.

##### Assistant Professor of Physiology

Shri I. K. Ramchandani, B.Sc., M.D.

**Assistant Professor of Bio-Chemistry and Bio-Physics**

Shri S. N. Narayanrao, M. C.

**Lecturers in Physiology**Shri J. V. Bhatt, M.B.B.S.  
Shri B. D. Punekar, M. Sc.**Professor of Pathology and Bacteriology**

Shri L. Monteiro, M.D. (Appointed as Offg. Dean from 25th March 1955).

**Assistant Professors of Pathology and Bacteriology**Shri K. Raman, M.D.  
Shri M. V. Sant, M.D., (Appointed as Temporary Asstt. Prof. of Pathology from 1st December 1954).**Lecturers in Pathology**Kumari Jessie Andrews, M.B.B.S.  
Shri L. G. Marquis, M.B.B.S.**Professor of Pharmacology and Materia Medica**

Shri U. K. Sheth, B.Sc., M.D., F.C.P.S.

**Lecturer in Pharmacology and Materia Medica**

Shri M. S. Kekre, B.Sc., M.B.B.S.

**Honorary Physicians and Lecturers in Medicine**Shri D. D. Bamji, M.D., F.C.P.S.  
Shri V. V. Shah, M.D., M.R.C.P., M.R.C.P.E.  
Shri S. C. Sheth, M.D.  
Shri L. R. Patel, M.D., M.R.C.P., F.C.P.S.**Honorary Asstt. Physicians and Asstt. Lecturers in Medicine**Shri G. J. Kothari, M.D.  
Shri N. M. Shah, M.D., M.R.C.P.  
Shri F. P. Antia, B.Sc., M.D., M.R.C.P., M.S.  
Shri M. M. Desai, M.D., F.C.P.S., F.R.F.P.S., D.T.M. & H.**Honorary Surgeons and Lecturers in Surgery**Shri R. T. Desai, M.B.B.S., D.L.C., F.R.C.S.  
Shri S. Patrao, B.Sc., M.D., M.S., F.C.P.S.  
Shri V. K. Desai, M.B.B.S., L.R.C.P., M.R.C.S., F.R.C.S.  
Shri A. B. C. Noronha, M.S.**Honorary Asstt. Surgeons and Asstt. Lecturers in Surgery**Shri M. K. Vora, M.S.  
Shri K. N. Dastur, B.Sc., M.S., F.R.C.S.  
Shri V. G. Dastur, M.S.  
Shri J. S. Shah, M.S.**Honorary Pediatrician and Lecturer in Pediatrics**

Shri S. C. Sheth, M.D., M.R.C.P., D.C.H., F.C.P.S.

**Honorary Asstt. Pediatrician and Assistant Lecturer in Pediatrics**

Shri N. S. Tibrewala, M.B.B.S., D.C.H., D.Ped.

**Honorary Physician (Tuberculosis) and Lecturer in Tuberculosis**

Shri R. M. Patel, M.D., T.D.D.

**Honorary Asstt. Physician (Tuberculosis) and Asstt. Lecturer in Tuberculosis**

Kumari Sundri G. Advani, M.B.B.S., D.T.H.

**Honorary Orthopaedic Surgeon and Lecturer in Orthopaedic Surgery**

Shri M. V. Santi, M.S.

**Honorary Asstt. Orthopaedic Surgeon and Asstt. Lecturer in Orthopaedic Surgery**

Shri R. M. Gaitonde, M.S., F.R.C.S.

**Honorary Otorhinolaryngologist and Lecturer in Otorhinolaryngology**

Shri L. H. Hiranandani, M.B.B.S., D.L.O., F.R.C.S., F.C.P.S.

**Honorary Asstt. Otorhinolaryngologist and Assistant Lecturer in Otorhinolaryngology**

Shri O. Chandra, M.S., D.L.O.

**Honorary Obstetricians and Gynaecologists and Lecturers in Obstetrics and Gynaecology**

Shri J. N. Karande, M.D., F.C.P.S.

Shri K. C. Shah, M.B.B.S., M.R.C.O.G., D.C.H., R.C.P. &amp; S., L.M.

**Honorary Asstt. Obstetricians and Gynaecologists and Asstt. Lecturers in Obstetrics and Gynaecology**

Shri S. N. Garde, M.D., M.R.C.O.G.

Shri N. V. Mody, M.D., M.R.C.O.G., F.R.C.S.

**Honorary Ophthalmic Surgeon and Lecturer in Ophthalmology**

Shri H. D. Patel, M.B.B.S., D.O., D.O.M.S.

**Honorary Asstt. Ophthalmic Surgeon and Asstt. Lecturer in Ophthalmology**

Shri A. M. Gokhale, M.B.B.S., D.O., D.O.M.S.

**Refractionist**

Shri R. Abreu, M.B.B.S., D.O., D.O.M.S.

**Honorary Radiologist and Lecturer in Radiology**

Shri G. S. Nerurkar, M.B.B.S., D.M.R.E.

**Honorary Asstt. Radiologist and Asstt. Lecturer in Radiology**

Shri C. T. Desai, M.B.B.S., D.T.M., D.M.R.E.

**Honorary Anaesthetist and Lecturer in Anaesthesia.**

Shri J. H. Mehta, M.B.B.S., D.A.

**Honorary Asstt. Anaesthetist and Asstt. Lecturer in Anaesthesia**

Shri D. H. Mulla, M.B.B.S., D.A.

**Honorary Dermatologist and Venereologist and Lecturer in Dermatology and Venereology**

Shri H. A. Choksey, M.B.B.S., M.R.C.P., F.C.P.S.

**Honorary Asstt. Dermatologist and Venereologist and Asstt. Lecturer in Dermatology and Venereology**

Shri T. K. Mehta, M.B.B.S., D.V.D., F.C.P.S.

**Honorary Lecturer in Hygiene**

Shri V. T. Wagh, M.B.B.S., H.Hy., D.P.H., L.M., D.T.M. &amp; H.

**Honorary Lecturer in Medical Jurisprudence and Toxicology**

Shri F. Noronha, M.B.B.S., D.P.H., L.R.C.P., M.R.C.P.

**Honorary Lecturer in Psychiatry**

Shri N. J. Kothari, M.D., D.P.M.

**Honorary Dental Surgeon and Lecturer in Dentistry**

Shri M. S. N. Ginwale, D.D.S., M.S., L.D.Sc., F.I.C.D.

**Honorary Medical Officer (Ante Natal Department)**

Smt. Sharad Nanavati, M.D.

**Honorary Asstt. Medical Officer (Ante Natal Department)**

Shri E. J. Sequira, M.D., F.C.P.S.

**Honorary Asstt. Physician (Out Patient Department)**

Shri N. C. Amin, M.D., D.C.H.

**Honorary Asstt. Surgeon (Out Patient Department)**

Shri K. A. Dalal, M.B.B.S., F.R.C.S.

Shri M. L. Vaze, M.S., F.R.C.S. (Temporary).

**Honorary Lecturer in Embryology**

Shri S. R. Nair, B.Sc., M.B.B.S., F.C.P.S.

## APPENDIX '2'

*Summary of in-patients (new) according to caste and sex for the period from 1-1-1954 to 31-12-1954.*

Caste.	Male.	Female.	Male Children.	Female Children.	Total.	Deaths.
Hindus ...	3,561	3,772	795	583	8,711	542
Muslims ...	1,059	630	245	189	2,123	158
Christians ...	581	824	147	155	1,707	90
Others ...	114	73	31	8	226	7
<b>Total ...</b>	<b>5,315</b>	<b>5,299</b>	<b>1,218</b>	<b>935</b>	<b>12,767</b>	<b>797</b>

## APPENDIX '3'

*Summary of out-patients (new) according to caste and sex for the period from 1-1-1954 to 31-12-1954.*

Caste.	Male.	Female.	Male Children.	Female Children.	Total.
Hindus ...	32,413	15,740	7,076	5,219	60,448
Muslims ...	10,630	5,278	2,973	2,499	21,110
Christians ...	4,426	3,430	1,284	1,216	10,356
Others ...	683	432	155	99	1,369
<b>Total ...</b>	<b>47,882</b>	<b>24,880</b>	<b>11,488</b>	<b>9,033</b>	<b>93,283</b>

## APPENDIX '4'

*Summary of out-patients (old) according to caste and sex for the period from 1-1-1954 to 31-12-1954.*

Caste	Male.	Female.	Male Children.	Female Children.	Total.
Hindus ...	56,616	38,978	13,584	9,540	1,18,718
Muslims ...	19,365	13,719	5,529	4,609	43,222
Christians ...	6,070	7,080	1,836	1,550	16,586
Others ...	659	696	197	176	1,728
<b>Total ...</b>	<b>82,710</b>	<b>60,473</b>	<b>21,196</b>	<b>15,875</b>	<b>1,80,254</b>

## APPENDIX '5'

*Summary of out-patients (New and old) according to caste and sex for the period from 1-1-1954 to 31-12-1954.*

Caste.	Male.	Female.	Male Children.	Female Children.	Total.
Hindus ...	89,029	54,718	20,660	14,759	1,79,166
Muslims ...	29,725	18,997	8,502	7,108	64,332
Christians ...	10,496	10,510	3,170	2,766	26,942
Others ...	1,342	1,128	352	275	3,097
<b>Total ...</b>	<b>1,30,592</b>	<b>85,353</b>	<b>32,684</b>	<b>24,908</b>	<b>2,73,537</b>



## Summary of in-patients classified according to Department and Sex for the period from 1-1-1954 to 31-12-1954.

Department.	Sex.	In the Hospital on Mid-night of 31-12-53.	Admitted during the year 1954.	Total.	Discharged during the year 1954.	Deaths.	In the Hospital on Mid-night on 31-12-54.
Medical	Male	68	1,988	2,056	1,766	223	67
	Female	34	770	804	679	93	32
Surgical	Male	70	1,844	1,914	1,750	100	64
	Female	17	432	449	397	33	19
Children	Male	2	163	165	142	15	8
	Female	2	91	93	80	12	1
Ophthalmic	Male	5	241	246	235	1	10
	Female	6	145	151	146	...	5
Children	Male	1	20	21	21	...	...
	Female	...	16	16	14	...	2
Gynaecological	Female	15	629	644	623	7	14
Children	Female	...	...	...	...	...	...
	Male	4	131	135	128	...	7
Skin and V. D.	Female	1	38	39	39	...	...
	Male	2	26	28	28	...	...
Children	Female	...	13	13	13	...	...
	Male	3	601	604	587	9	8
Aural	Female	...	356	356	351	...	5
	Male	...	245	245	242	...	3
Children	Female	...	253	253	250	1	2
	Male	9	253	262	244	6	12
Orthopaedic	Female	8	91	99	95	2	2
	Male	2	71	73	68	1	4
Children	Female	1	35	36	34	...	2
	Male	21	693	714	563	131	20
Paediatric	Female	11	527	538	400	128	10
	Male	44	2,827	2,871	2,823	11	37
Maternity	Female	...	...	...	...	...	...
	Male	7	248	255	225	22	8
Tuberculosis	Female	...	5	5	3	2	...
	Male	3	9	12	9	...	3
Dental	Female	1	6	7	5	...	2
	Male	1	1	2	2	...	...
Children	Female	...	...	...	...	...	...
	Male	...	...	...	...	...	...
Total		337	12,767	13,104	11,960	797	347

## Summary of out-patients classified according to department and sex for the year 1954.

Department.	Sex.	O.P.D. New cases.	O.P.D. Old cases.	Total attendance.	Casualty cases.
Medical	Male	17,863	29,933	47,796	925
	Female	8,459	18,566	27,025	53
Surgical	Male	9,975	29,713	39,688	5,735
	Female	2,563	7,436	9,999	1,069
Children	Male	1,326	3,464	4,790	954
	Female	759	1,767	2,526	395
Ophthalmic	Male	4,387	5,526	9,913	248
	Female	2,038	2,913	4,951	4
Children	Male	568	848	1,416	5
	Female	573	952	1,525	2
Gynaecological	Female	4,533	12,735	17,318	3
	Female	4	1	5	...
Skin and Venereal Diseases	Male	3,138	5,954	9,092	232
	Female	604	1,325	1,929	60
Children	Male	448	569	1,017	38
	Female	385	448	833	20
Aural	Male	3,802	4,665	8,467	15
	Female	2,065	3,785	5,850	6
Children	Male	1,270	1,916	3,186	29
	Female	1,236	2,043	3,279	20
Orthopaedic	Male	629	2,736	3,365	366
	Female	240	591	831	66
Children	Male	199	548	747	79
	Female	102	128	230	33
Paediatric	Male	6,519	13,774	20,293	43
	Female	5,476	10,513	15,989	24
Ante-natal	Female	2,803	10,497	13,300	6
	Female	137	2,279	2,416	...
Post-natal	Male	475	3,417	3,892	...
	Female	66	148	214	...
Tuberculosis	Male	90	766	856	...
	Female	54	198	252	...
Psychiatric	Male	10	77	87	...
	Female	4	23	27	...
Dental	Female	2	...	2	...
	Male	1	...	1	...
Total		82,853	1,80,254	2,63,107	10,430



W.H.O. No.	Name of the disease	Remained on 31-12-53	Admitted during 1954	Total	DISCHARGES				Remained on 31-12-54	Out-patients
					Cured	Relieved	Other-wise	Died		
<i>Diseases attributable to viruses (080-096).</i>										
080	Acute poliomyelitis	...	2	2	...	1	1	...	...	32
081	Late effects of acute poliomyelitis	...	3	3	...	1	2	...	...	...
082	Acute infectious encephalitis	...	5	5	2	1	...	2	...	...
084	Small pox	...	9	9	...	1	8	...	...	25
085	Measles	...	13	13	...	1	11	1	...	23
087	Chicken pox	...	2	2	...	...	2	...	...	9
088	Herpes Zoster	...	3	3	...	1	1	1	1	50
089	Mumps	...	5	5	1	1	3	...	...	128
092	Infectious hepatitis	...	99	99	73	9	5	9	3	226
093	Glandular fever (Infective mononucleosis)	...	1	1	...	1	...	...	...	1
094	Rabies	...	2	2	...	...	1	1	...	121
095	Trachoma	...	...	...	...	...	...	...	...	649
096	Other diseases attributable to viruses	...	1	1	1	...	...	...	...	296
<i>Typhus and other rickettsial diseases (100-108).</i>										
107	Typhus unspecified	...	1	1	1	...	...	...	...	...
<i>Malaria (110-117).</i>										
110	Vivax Malaria (Benign tertian)	2	47	49	39	6	3	...	1	930
112	Falciparum Malaria (Malignant tertian)	...	1	1	...	...	...	1	...	1
114	Mixed Malarial infections	...	2	2	2	...	...	...	...	...
116	Other and unspecified forms of Malaria	...	10	10	6	3	1	...	...	...
117	Recurrent and induced malaria	...	2	2	1	...	1	...	...	...
<i>Other infective and parasitic diseases (120-138).</i>										
121	Trypanosomiasis	...	1	1	...	1	...	...	...	...
122	Other protozoal diseases	...	2	2	1	...	1	...	...	...
124	Other trematode infestation	...	3	3	1	2	...	...	...	...
126	Other cestode infestation	...	5	5	2	2	...	...	1	...
127	Filariasis	1	19	20	15	...	5	...	...	53
128	Trichiniasis	...	1	1	...	1	...	...	...	...
129	Ankylostomiasis	...	17	17	15	1	1	...	...	51
130	Infestation with worms of other, mixed and unspecified type.	...	55	55	45	9	...	1	...	680
131	Dermatophytosis	...	...	...	...	...	...	...	...	9
133	Coccidioidomycosis	...	1	1	...	...	1	...	...	...
134	Other fungus infection	...	2	2	1	...	1	...	...	...
135	Scabies	2	11	13	6	3	4	...	...	473
136	Pediculosis	...	1	1	...	1	...	...	...	20
138	Other infective and parasitic diseases	...	4	4	1	3	...	...	...	343
<b>II.—Neoplasms.</b>										
<i>Malignant neoplasm of Buccal Cavity and Pharynx (140-148).</i>										
141	Malignant neoplasm of tongue	...	2	2	...	...	1	...	1	1
142	Malignant neoplasm of salivary gland	...	...	...	...	...	...	...	...	1
143	Malignant neoplasm of floor or mouth	...	2	2	...	...	...	2	...	...
144	Malignant neoplasm of other parts of mouth and mouth unspecified	1	7	8	...	2	3	2	1	7
145	Malignant neoplasm of oral mesopharynx	...	3	3	...	...	2	1	...	1
147	Malignant neoplasm of hypopharynx	...	1	1	...	...	1	...	...	...
<i>Malignant neoplasm of digestive organs and peritoneum (150-159).</i>										
150	Malignant neoplasm of oesophagus	...	5	5	...	...	3	2	...	1
151	Malignant neoplasm of stomach	...	10	10	...	3	6	1	...	1
153	Malignant neoplasm of large intestines, except rectum.	2	3	5	1	...	2	2	...	2
154	Malignant neoplasm of rectum	1	5	6	1	1	3	1	...	3
155	Malignant neoplasm of biliary passages and of liver (Stated to be primary site).	...	3	3	...	...	...	2	1	...
156	Malignant neoplasm of liver (secondary and unspecified).	...	5	5	...	...	4	1	...	1
158	Malignant neoplasm of peritoneum	...	1	1	...	...	...	1	...	...
159	Malignant neoplasm of unspecified digestive organs.	...	2	2	...	1	...	1	...	...
<i>Malignant neoplasm of respiratory system (160-165).</i>										
160	Malignant neoplasm of nose, nasal cavities, middle ear and accessory sinuses.	...	2	2	...	...	2	...	...	3
161	Malignant neoplasm of larynx	1	16	17	...	2	8	7	...	53
162	Malignant neoplasm of trachea and of bronchus and lung specified as primary.	...	2	2	...	...	1	1	...	4
163	Malignant neoplasm of lung and bronchus unspecified as to whether primary or secondary.	...	12	12	...	2	8	2	...	5
164	Malignant neoplasm of mediastinum	...	...	...	...	...	...	...	...	1
165	Malignant neoplasm of thoracic organs (secondary).	...	...	...	...	...	...	...	...	...
<i>Malignant neoplasm of breast and genito urinary system (170-181).</i>										
170	Malignant neoplasm of breast	...	6	6	2	2	2	...	...	...
177	Malignant neoplasm of prostate	...	2	2	1	...	...	1	...	...

W.H.O. No.	Name of the disease	IN-PATIENTS								
		Remain- ed on 31-12-53	Admit- ted during 1954	Total	DISCHARGES				Remain- ed on 31-12-54	Out- patients
					Cured	Relieved	Other- wise	Died		
179	Malignant neoplasm of other and unspecified male genital organs.	...	4	4	2	1	...	1	...	2
181	Malignant neoplasm of bladder and other urinary organs.	...	6	6	...	1	1	4	...	...
<i>Malignant neoplasm of other and unspecified sites (190-199).</i>										
190	Malignant melanoma of skin	...	2	2	1	...	...	...	...	...
191	Other malignant neoplasm of skin	...	4	4	2	...	1	...	1	1
192	Malignant neoplasm of skin	...	1	1	1	...	...	...	...	1
194	Malignant neoplasm of thyroid gland	...	2	2	...	1	1	...	...	...
196	Malignant neoplasm of bone (including jaw bone)	...	2	2	...	...	2	...	...	1
197	Malignant neoplasm of connective tissue	...	3	3	2	...	1	...	...	...
198	Secondary and unspecified and unspecified malignant neoplasm of lymphodes.	...	1	1	...	1	...	...	...	...
199	Malignant neoplasm of other and unspecified sites.	...	2	2	...	1	1	...	...	1
<i>Neoplasms of lymphatic and haemetopoietic tissues (200-205).</i>										
700	Lymphosarcoma and reticulosarcoma	...	4	4	...	...	...	...	...	...
201	Hodgkin's disease	...	2	2	...	...	2	...	...	8
202	Other forms of lymphoma (Reticulosis)	...	...	...	...	...	...	...	...	1
204	Leukaemia and aleukaemia	...	4	4	...	...	3	1	...	...
<i>Benign neoplasm (210-229).</i>										
210	Benign neoplasm of buccal cavity and pharynx	...	2	2	2	...	...	...	...	1
211	Benign neoplasm of other parts of digestive system.	...	1	1	1	...	...	...	...	...
212	Benign neoplasm of respiratory system	...	2	2	...	2	...	...	...	...
213	Benign neoplasm of breast	...	3	3	2	...	1	...	...	...
218	Benign neoplasm of male genital organs	...	2	2	1	1	...	...	...	...
219	Benign neoplasm of kidney and other urinary organs.	...	...	...	...	...	...	...	...	...
220	Benign melanoma of skin	...	2	2	1	...	1	...	...	...
222	Other benign neoplasm of skin	...	2	2	2	...	...	...	...	8
223	Benign neoplasm of brain and other parts of nervous system.	...	7	7	1	...	3	2	1	...
224	Benign neoplasm of endocrine glands	...	2	2	1	...	...	1	...	...
225	Benign neoplasm of bone and cartilage	...	1	1	...	1	...	...	...	1
226	Lipoma	...	3	3	2	1	...	...	...	60
227	Other benign neoplasm of muscular and connective tissue.	...	3	3	1	1	1	...	...	...
228	Haemangioma and lymphangioma	...	1	2	3	...	3	...	...	...
229	Benign of other and unspecified organs	...	1	6	7	1	1	5	...	81
<i>Neoplasm of unspecified nature (230-239)</i>										
230	Neoplasm of unspecified nature of digestive organs.	...	...	...	...	...	...	...	...	1
231	Neoplasm of unspecified nature of respiratory organs.	...	3	3	1	2	...	...	...	...
232	Neoplasm of unspecified nature of ovary	...	1	1	1	...	...	...	...	...
236	Neoplasm of unspecified nature of other genito-urinary organs.	...	2	2	...	1	1	...	...	1
237	Neoplasm of unspecified nature of brain and other parts of nervous system.	...	3	3	...	...	2	1	...	...
238	Neoplasm of unspecified nature of skin and musculo-skeletal system.	1	1	1	1	...	...	...	...	...
<b>III.—Allergic, Endocrine System, Metabolic and Nutritional Diseases.</b>										
<i>Allergic disorders (240-245).</i>										
240	Hay fever	...	1	1	...	...	1	...	...	...
241	Asthma	...	4	59	63	15	35	10	...	332
242	Angio-neurotic oedema	...	...	...	...	...	3	...	...	211
243	Urticaria	...	1	8	9	...	6	3	...	275
244	Allergic-Eczema	...	...	9	9	1	6	2	...	...
245	Other allergic disorders	...	13	13	6	2	4	...	1	230
<i>Diseases of thyroid gland (250-255).</i>										
250	Simple goitre	...	10	10	3	6	1	...	...	9
251	Non-toxic nodular goitre	...	7	7	3	2	2	...	...	...
252	Thyrototoxicosis with or without goitre	...	4	4	1	2	1	...	...	...
253	Myxoedema and cretinism	...	1	3	4	...	3	1	...	...
254	Other diseases of thyroid gland	...	3	3	2	1	...	...	...	1
<i>Diabetes mellitus (260).</i>										
260	Diabetes mellitus	...	32	32	3	16	9	4	...	50
<i>Diseases of other endocrine glands (270-277).</i>										
270	Disorders of pancreatic internal secretion other than diabetes mellitus.	...	1	1	1	...	...	...	...	...
272	Diseases of pituitary gland	...	1	1	...	1	...	...	...	...
275	Ovarian dysfunction	...	1	1	...	1	...	...	...	...
276	Testicular dysfunction	...	...	...	...	1	...	...	...	1

W.H.O. No.	Name of the disease	IN-PATIENTS								
		Remain- ed on 31-12-53	Admit- ted during 1954	Total	DISCHARGES				Remain- ed on 31-12-54	Out- patients
					Cured	Relieved	Other- wise	Died		
<i>Avitaminoses and other metabolic diseases (280-289)</i>										
280	Beri-beri	...	2	2	2	...	...	...	...	1
281	Pellagra	...	3	3	1	1	1	...	...	17
282	Scurvy	...	4	4	2	...	...	1	...	71
283	Active Rickets	...	10	11	...	5	5	...	1	589
284	Late effects of rickets	...	5	5	2	3	...	...	...	...
286	Other avitaminoses and nutritional deficiency states.	...	95	96	74	3	5	14	...	767
289	Other metabolic diseases	...	43	43	36	2	4	1	...	296
<b>IV.—Diseases of the Blood and Blood Forming Organs.</b>										
<i>Diseases of the blood and blood forming organs (290-299).</i>										
290	Pernicious and other hyperchromic anaemias ...	...	24	24	5	9	5	5	...	2
291	Iron deficiency anaemias (Hypochromic anaemias)	9	106	115	75	10	5	12	13	1,574
292	Other anaemias of specified type	...	15	15	1	7	4	3	...	9
293	Anaemias of unspecified type	...	41	41	25	9	2	5	...	11
295	Haemophilia	...	2	2	1	1	...	...	...	...
296	Purpura and other haemorrhagic conditions	...	11	11	2	3	1	5	...	1
297	Agranulocytosis	...	1	1	...	1	...	...	...	...
298	Diseases of spleen	...	1	1	...	1	...	...	...	...
299	Diseases (other) of blood and blood forming organs.	...	10	10	3	3	2	2	...	296
<b>V.—Mental, Psychoneurotic and Personality Disorders.</b>										
<i>Psychosis (300-309).</i>										
300	Schizophrenic disorders (dementia praecox)	...	2	2	...	1	1	...	...	1
301	Manic depressive reaction	...	1	1	...	...	1	...	...	4
302	Involuntional melancholia	...	1	1	...	...	1	...	...	4
304	Senile Psychosis	...	1	1	...	1	...	...	...	...
306	Psychosis with cerebral arteriosclerosis	...	...	...	...	...	...	...	...	1
307	Alcoholic psychosis	...	...	...	...	...	...	...	...	1
308	Psychosis of other demonstrable etiology	...	...	...	...	...	...	...	...	1
309	Other and unspecified psychosis	...	2	2	1	...	1	...	...	...
<i>Psychoneurotic disorders (310-318).</i>										
310	Anxiety reaction without mention of somatic symptoms.	...	6	6	1	3	2	...	...	36
311	Hysterical reaction without mention of anxiety reaction.	...	4	4	1	2	1	...	...	25
312	Phobic reaction	...	...	...	...	...	...	...	...	7
314	Neurotic depressive reaction	...	...	...	...	...	...	...	...	1
316	Psychoneurosis with somatic symptoms (somatization reaction) affecting digestive system	...	1	1	...	...	1	...	...	...
317	Psychoneurosis with somatic symptoms (somatization reaction) affecting other systems.	...	4	4	1	...	3	...	...	...
318	Psychoneurotic disorders, others, mixed and unspecified.	...	...	...	...	...	...	...	...	1
<i>Disorders of character, behaviour and intelligence (320-326).</i>										
320	Pathological personality	...	1	1	...	1	...	...	...	...
321	Immature personality	...	...	...	...	...	...	...	...	1
322	Alcoholism	...	2	2	...	1	1	...	...	...
324	Primary childhood behaviour disorders	...	...	...	...	...	...	...	...	2
325	Mental deficiency	...	1	1	...	1	...	...	...	2
326	Other and unspecified character, behaviour and intelligence disorders.	...	1	1	1	...	...	...	...	1
<b>VI.—Diseases of the nervous system and Sense Organs.</b>										
<i>Vascular lesions affecting central nervous system (330-334).</i>										
330	Subarachnoid haemorrhage	...	5	5	2	...	1	2	...	...
331	Cerebral Haemorrhage	...	22	22	...	7	10	5	...	1
332	Cerebral embolism and thrombosis	...	41	41	7	13	13	8	...	171
333	Spasm of cerebral arteries	...	3	3	1	2	...	...	...	...
334	Other and ill defined vascular lesions affecting central nervous system.	...	3	3	...	...	2	1	...	308
<i>Inflammatory diseases of central nervous system (340-345).</i>										
340	Meningitis except meningococcal and tuberculosis	...	12	12	...	7	4	1	...	2
341	Phlebitis and thrombo phlebitis of intra cranial	...	2	2	1	...	1	...	...	...
342	Intra cranial and intra-spinal abscesses	...	1	1	...	...	...	...	1	4
343	Encephalitis, myelitis and encephalo-myelitis	...	6	34	40	5	7	16	12	166
344	Late effects of intra-cranial abscess or pyogenic infection.	...	1	1	...	...	1	...	...	...
<i>Other diseases of central nervous system (350-357).</i>										
350	Paralysis agitans	...	12	12	...	7	4	1	...	2
351	Cerebral spastic infantile paralysis	...	1	1	...	1	...	...	...	3

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		Remain- ed on 31-12-53	Admit- ted during 1954	Total	DISCHARGES				Remain- ed on 31-12-54	Out- patients
					Cured	Relieved	Other- wise	Died		
352	Other central paralysis	...	9	9	...	1	...	...	8	10
353	Epilepsy	...	42	42	1	17	20	1	3	93
354	Migraine	...	1	1	...	1	...	...	...	...
355	Other diseases of brain	...	9	9	1	3	4	1	...	...
356	Motor neurone disease and muscular atrophy	...	4	4	2	...	2	...	...	...
357	Other disease of spinal cord	...	19	19	...	10	7	2	...	...
<i>Diseases of nervous and peripheral ganglia (360-369).</i>										
360	Facial paralysis	...	6	6	...	3	3	...	...	20
361	Trigeminal neuralgia	...	5	6	2	3	1	...	...	5
362	Brachial neuritis	...	5	6	2	2	1	1	...	22
363	Sciatica	...	10	10	2	6	2	...	...	35
364	Polyneuritis and ptyradiculitis	...	6	6	1	3	2	...	...	...
366	Other and unspecified forms of neuralgia and neuritis.	...	1	1	1	...	...	...	...	...
368	Other diseases of peripheral nerves except auto- nomic.	...	...	...	...	...	...	...	...	395
369	Diseases of peripheral autonomic nervous system	...	4	4	...	4	...	...	...	...
<i>Inflammatory diseases of eye (370-379).</i>										
370	Conjunctivitis and ophthalmia	...	13	13	1	7	4	...	1	2,347
371	Blepharitis	...	...	...	...	...	...	...	...	249
372	Hordeolum (Stye)	...	1	1	1	...	...	...	...	267
374	Keratitis	...	4	4	...	2	2	...	...	12
376	Other inflammation of uveal tract	...	12	12	...	5	...	7	...	36
377	Inflammation of optic nerve and retina	...	3	3	...	1	2	...	...	2
378	Inflammation of lachrymal glands and ducts	...	15	15	...	13	2	...	...	79
379	Other inflammatory diseases of eye	...	1	1	...	...	...	...	1	619
<i>Other diseases and conditions of eye (380-389)</i>										
380	Refractive errors	...	1	1	...	1	...	...	...	1,425
381	Corneal ulcer	...	29	29	...	16	11	...	2	473
382	Corneal opacity	...	25	25	1	10	12	...	2	26
383	Pterygium	...	...	...	...	...	...	...	...	44
384	Strabismus	...	2	2	...	2	...	...	...	131
385	Cataract	...	11	255	116	133	8	...	9	586
386	Detachment of retina	...	1	1	...	1	...	...	...	9
387	Glaucoma	...	42	43	...	37	5	1	...	165
388	Other diseases of eye	...	15	15	...	7	6	...	2	834
389	Blindness	...	3	3	...	3	...	...	...	127
<i>Diseases of ear and mastoid process (390-398)</i>										
390	Otitis externa	...	...	...	...	...	...	...	...	341
391	Otitis media without mention of mastoiditis	...	3	3	1	2	...	...	...	558
392	Otitis media with mastoiditis	...	55	55	43	5	7	...	...	178
393	Mastoiditis without mention of otitis media	...	21	22	17	3	...	...	2	142
394	Other inflammatory diseases of ear	...	1	1	1	...	...	...	...	297
395	Meniere's disease	...	1	1	...	...	1	...	...	4
396	Other diseases of ear and mastoid process	...	16	16	5	9	2	...	...	590
397	Deaf mutism	...	...	...	...	...	...	...	...	2
398	Other deafness	...	...	...	...	...	...	...	...	108
<b>VII.—Diseases of the Circulatory System.</b>										
<i>Rheumatic Fever (400-402)</i>										
400	Rheumatic fever without mention of hear involvement.	...	7	7	4	3	...	...	...	...
401	Rheumatic fever with heart involvement	...	1	9	10	1	3	3	...	...
402	Chorea	...	...	...	...	...	...	...	...	1
<i>Chronic Rheumatic heart diseases (410-416)</i>										
410	Diseases of mitral valve	...	2	91	93	7	43	19	16	9
411	Diseases of aortic valve specified as rheumatic...	...	24	24	...	8	11	5	...	2
413	Diseases of pulmonary valve specified as rheumatic.	...	4	4	1	1	2	...	...	...
414	Other endocarditis specified as rheumatic	...	3	3	...	...	3	...	...	...
415	Other myocarditis specified as rheumatic	...	1	1	...	...	1	...	...	...
416	Other heart disease specified as rheumatic	...	1	1	...	...	1	...	...	1
<i>Arteriosclerotic and degenerative heart disease (420-422)</i>										
420	Arteriosclerotic heart disease including coronary disease.	...	2	86	88	7	33	19	25	4
421	Chronic endocarditis not specified as rheumatic	...	9	9	...	3	...	4	2	1
422	Other myocardial degeneration	...	7	7	...	3	2	2	...	2
<i>Other diseases of heart (430-436)</i>										
430	Acute and sub-acute endocarditis	...	4	4	...	...	1	3	...	3
431	Acute myocarditis not specified as rheumatic...	...	1	1	...	1	...	...	...	1
432	Acute pericarditis specified as non-rheumatic...	...	2	8	...	2	4	2	...	65
433	Functional disease of heart	...	1	4	5	1	2	2	...	1
434	Other and unspecified diseases of heart	...	15	15	1	2	...	3	9	119

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					Cured	Relieved	Other- wise	Died		
<i>Hypertensive disease (640-447)</i>										
440	Essential benign hypertension with heart disease	3	65	68	6	22	30	10	...	62
441	Essential malignant hypertension with heart disease.	...	4	4	...	2	2	...	...	1
442	Hypertensive heart disease with arteriolar nephro-sclerosis.	...	5	5	...	3	1	1	...	2
443	Other and unspecified hypertensive heart disease.	7	2	9	...	2	6	1	...	57
444	Essential benign hypertension without mention of heart.	...	6	6	...	2	2	...	2	1
445	Essential malignant hypertension without mention of heart.	...	1	1	...	1	...	...	...	...
446	Hypertension with arteriolar nephro-sclerosis	...	2	2	...	1	...	1	...	...
447	Other hypertensive disease without mention of heart.	...	2	2	...	1	...	1	...	...
<i>Diseases of arteries (650-457)</i>										
450	General arteriosclerosis	...	2	2	...	2	...	...	...	2
451	Aortic aneurysm specified as non-syphilitic and dissecting aneurysm.	...	9	9	...	4	2	3	...	...
452	Other aneurysm except of heart and aorta	...	4	4	1	...	2	1	...	1
453	Peripheral vascular disease	...	8	8	3	2	2	1	...	9
454	Arteriolar embolism and thrombosis	...	18	18	2	5	3	8	...	...
455	Gangrene of unspecified cause	...	11	12	3	2	3	1	3	1
456	Other diseases of arteries	...	1	1	2	...	2	...	...	...
<i>Diseases of veins and other diseases of circulatory system (460-468).</i>										
460	Varicose veins of lower extremities	...	10	10	6	3	...	...	1	74
461	Haemorrhoids	2	82	84	74	1	7	...	2	342
462	Varicose veins of other specified sites	...	1	1	1	...	...	...	...	10
463	Phlebitis and thrombo-phlebitis of lower extremities...	...	3	3	...	2	1	...	...	2
464	Phlebitis and thrombo-phlebitis of other sites...	...	...	...	...	...	...	...	...	3
465	Pulmonary embolism and infarction	...	10	1	...	...	...	1	...	...
466	Other venous embolism and thrombosis	...	2	2	...	1	1	...	...	1
467	Other diseases of circulatory system	...	...	...	...	...	...	...	...	296
468	Certain diseases of lymphnodes and lymph-channels.	...	3	3	2	1	...	...	...	36
<b>VIII.—Diseases of the Respiratory System.</b>										
<i>Acute respiratory infections (470-475)</i>										
470	Acute naso-pharyngitis (common cold)	...	4	4	2	1	1	...	...	20
471	Acute sinusitis	...	13	13	7	5	1	...	...	281
472	Acute pharyngitis	...	21	21	14	6	1	...	...	1,218
473	Acute tonsillitis	...	248	248	235	9	4	...	...	1,992
474	Acute laryngitis and tracheitis	...	...	...	...	...	...	...	...	69
475	Acute upper respiratory infection of multiple or unspecified sites.	...	126	126	109	9	7	1	...	6,164
<i>Influenza (480-483)</i>										
480	Influenza with pneumonia	...	2	2	1	...	1	...	...	...
481	Influenza with other respiratory manifestations and influenza unqualified.	...	10	10	6	1	3	...	...	167
483	Influenza with nervous manifestations but without digestive or respiratory symptoms.	...	1	1	...	1	...	...	...	1
<i>Pneumonia (490-493)</i>										
490	Lobar Pneumonia	8	143	151	119	9	8	14	1	354
491	Broncho-pneumonia	...	58	58	24	4	5	25	...	6
492	Primary atypical pneumonia	...	4	4	...	2	1	1	...	1
493	Pneumonia other and unspecified	...	6	6	...	2	3	1	...	...
<i>Bronchitis (500-502)</i>										
500	Acute bronchitis	...	26	26	16	8	1	...	1	63
501	Bronchitis unqualified	2	12	14	4	3	4	3	...	2,321
402	Chronic Bronchitis	...	12	12	2	7	2	1	...	...
<i>Other diseases of respiratory system (510-527)</i>										
510	Hypertrophy of tonsils and adenoids	...	743	743	733	...	1	1	8	2,048
511	Peritonsillar abscess (quinsy)	...	8	8	3	5	...	...	...	55
512	Chronic pharyngitis and nasopharyngitis	...	20	20	14	4	2	...	...	262
513	Chronic sinusitis	...	35	35	25	7	2	...	1	556
514	Deflected nasal septum	1	171	172	157	6	4	...	5	625
515	Nasal polyp	...	9	9	7	1	1	...	...	71
517	Other diseases of upper respiratory tract	1	39	40	10	20	10	...	...	301
518	Empyema	1	19	20	2	8	5	2	3	12
519	Pleurisy	3	67	70	8	41	19	...	2	224
520	Spontaneous pneumo-thorax	...	9	9	2	2	4	1	...	...
521	Abscess of lung	...	10	10	2	3	2	1	2	2
523	Pulmonary congestion and hypostasis	...	12	12	...	8	2	2	...	...
524	Other specified pneumoconiosis and pulmonary fibrosis of occupational origin.	...	2	2	...	1	...	1	...	...
525	Other chronic interstitial pneumonia	...	2	2	...	...	2	...	...	...
526	Bronchiectasis	1	19	20	2	7	9	2	...	18
527	Other diseases of lung and pleural cavity	...	21	21	2	10	5	4	...	304





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					Cured	Relieved	Other- wise	Died		
612	Other diseases of prostate	...	1	1	...	1	...	...	...	1
613	Hydrocele	...	206	206	182	9	4	...	11	372
614	Orchitis and epididymitis	...	9	9	4	3	1	...	...	133
615	Redundant prepuce and phimosis	...	4	4	4	...	...	...	...	208
616	Sterility (Male)	...	...	...	...	...	...	...	...	12
617	Other diseases of male genital organs	...	6	7	2	1	3	...	1	305
<b>XII.—Diseases of Skin and Cellular Tissue.</b>										
<i>Infections of skin and subcutaneous tissue (690-698)</i>										
690	Boil and carbuncle	...	41	42	27	7	7	1	...	914
691	Cellulitis of finger and toe	...	1	1	1	...	...	...	...	84
692	Other cellulitis and abscess without mention of lymphangitis.	5	42	47	34	4	...	1	8	1,014
693	Other cellulitis and abscess with lymphangitis	1	101	102	91	2	2	6	1	165
674	Acute lymphadenitis	...	8	8	5	2	1	...	...	187
695	Impetigo	...	8	8	3	1	4	...	...	132
696	Infectious warts	...	...	...	...	...	...	...	...	30
698	Other local infections of skin and subcutaneous tissue.	...	9	9	5	2	1	...	1	611
<i>Other diseases of skin and sub-cutaneous tissue (700-716).</i>										
700	Seborrhoeic dermatitis	...	6	6	...	3	3	...	...	3
701	Eczema	...	11	11	2	4	5	...	...	397
702	Occupational dermatitis	...	...	...	...	...	...	...	...	58
703	Other dermatitis	1	19	20	5	8	6	...	1	551
704	Pemphigus	...	...	...	...	...	...	...	...	7
705	Erythematous conditions	...	1	1	...	1	...	...	...	2
706	Psoriasis and similar conditions	1	4	5	1	1	3	...	...	4
707	Lichen planus	...	...	...	...	...	...	...	...	4
708	Pruritus and related conditions	...	5	5	...	3	2	...	...	104
709	Corns and callosities	...	2	2	2	...	...	...	...	171
710	Other hypertrophic and trophic conditions of skin.	...	2	2	1	...	1	...	...	100
711	Other dermatoses	...	...	...	...	...	...	...	...	336
712	Diseases of nail	...	...	...	...	...	...	...	...	7
713	Diseases of hair and hair follicles	...	7	7	4	2	1	...	...	18
714	Diseases of sweat and sebaceous glands	...	1	1	1	...	...	...	...	208
715	Chronic ulcer of skin	...	13	13	3	5	4	...	1	193
716	Other diseases of skin	...	5	5	2	...	1	...	2	879
<b>XIII.—Diseases of the Bones and Organs of Movement.</b>										
<i>Arthritis and rheumatism except rheumatic fever (720-727).</i>										
720	Acute arthritis due to pyogenic organisms	4	14	18	5	9	4	...	...	173
721	Acute non-pyogenic arthritis	...	8	8	1	7	...	...	...	...
722	Rheumatoid arthritis and allied conditions	...	11	11	1	7	3	...	...	1
723	Osteo-arthritis (arthrosis) and allied conditions.	...	25	25	10	6	9	...	...	183
724	Other specified arthritis	...	8	8	...	2	6	...	...	...
725	Arthritis unspecified	...	12	12	1	8	3	...	...	133
726	Muscular rheumatism	1	11	12	5	4	3	...	...	887
727	Rheumatism unspecified	...	...	...	...	...	...	...	...	12
<i>Osteomyelitis and other diseases of bone and joint (730-738).</i>										
730	Osteomyelitis and periostitis	1	55	56	50	...	6	...	...	241
731	Osteitis deformans	...	...	...	...	...	...	...	...	1
732	Osteochondrosis	...	1	1	1	...	...	...	...	1
733	Other diseases of bone	...	5	5	1	2	2	...	...	...
735	Displacement of intervertebral disc	1	10	11	1	4	5	...	1	...
737	Ankylosis of joint	...	3	3	1	2	...	...	...	...
738	Other diseases of joint	...	3	3	2	1	...	...	...	296
<i>Other diseases of musculo-skeletal system (740-749)</i>										
740	Bunion	...	1	1	1	...	...	...	...	4
741	Synovitis, bursitis and tenosynovitis without mention of occupational origin.	...	1	1	1	...	...	...	...	30
742	Synovitis, bursitis and tenosynovitis of occupational origin.	...	...	...	...	...	...	...	...	64
743	Infective myositis and other inflammatory diseases of tendon and fascia.	...	1	1	1	...	...	...	...	10
744	Other diseases of muscle, tendon and fascia	2	11	13	3	7	3	...	...	1,933
745	Curvature of spine	...	...	...	...	...	...	...	...	1
746	Flat foot	...	1	1	1	...	...	...	...	4
748	Club foot	...	2	2	...	1	1	...	...	1
749	Other deformities	1	12	13	1	4	8	...	...	6
<b>XIV.—Congenital Malformation.</b>										
<i>Congenital malformation (750-759).</i>										
750	Monstrosity	...	2	2	...	1	1	...	...	73
751	Spina bifida and meningocele	...	2	2	1	1	...	...	...	2
752	Congenital hydrocephalus	...	3	3	...	1	1	...	1	11
753	Other congenital malformation of nervous system and sense organs.	...	4	4	...	3	1	...	...	67

W.H.O. No.	Name of the disease	IN-PATIENTS								
		Remain- ed on 31-12-53	Admit- ted during 1954	Total	DISCHARGES				Remain- ed on 31-12-54	Out- patients
					Cured	Relieved	Other- wise	Died		
754	Congenital malformation of circulatory system	...	8	9	1	3	3	2	...	15
755	Cleft palate and harelip	1	17	18	9	4	4	1	...	...
756	Congenital malformations of digestive system	...	7	7	2	2	1	2	...	...
757	Congenital malformations of genito-urinary system.	...	3	3	...	1	2	...	...	...
758	Congenital malformations of bone and joint	...	1	1	...	1	...	...	...	3
759	Other and unspecified congenital malformations not else where classified.	1	17	18	5	4	5	1	3	6
<b>XV.—Certain Diseases of Early Infancy.</b>										
<i>Birth injuries, asphyxia and infectious of new born (760-779).</i>										
760	Intracranial and spinal injury at birth	...	2	2	2	...	...	...	...	...
761	Other birth injury	...	4	4	1	...	1	2	...	...
762	Post-natal asphyxia and atelectasis	...	1	1	...	...	1	...	...	...
764	Diarrhoea of new born	...	5	5	2	1	...	2	...	...
767	Umbilical sepsis	...	3	3	...	1	...	2	...	12
769	Neonatal disorders arising from maternal toxæmia.	...	2	2	1	...	...	1	...	...
<i>Other diseases peculiar to early infancy (770-776).</i>										
771	Haemorrhagic disease of new born	...	1	1	...	1	...	...	...	1
772	Nutritional maladjustment	...	1	1	...	...	...	1	...	...
774	Immaturity with mention of any other subsidiary condition.	...	2	2	...	...	...	2	...	...
<b>XVI.—Symptoms, Senility and Ill Defined Conditions.</b>										
<i>Symptoms referable to systems or organs (780-789)</i>										
780	Certain symptoms referable to nervous system and special sense.	...	8	8	2	2	3	...	1	301
781	Other symptoms referable to nervous system and special sense.	...	9	9	3	1	5	...	...	296
782	Symptoms referable to cardiovascular and lymphatic system.	...	3	3	2	1	...	...	...	345
783	Symptoms referable to respiratory system	...	16	16	14	...	1	...	1	393
784	Symptoms referable to upper gastro-intestinal tract.	2	43	47	33	8	5	1	...	453
785	Symptoms referable to abdomen and lower gastro-intestinal tract.	1	45	46	36	1	1	2	1	683
786	Symptoms referable to genito-urinary system	...	20	20	10	5	5	...	...	383
787	Symptoms referable to limbs and back	...	14	14	1	9	4	...	...	452
788	Other general symptoms	...	8	48	56	49	...	4	3	1,248
789	Abnormal urinary constituents of unspecified cause.	...	1	1	1	...	...	...	...	295
<i>Senility and ill defined diseases (790-795).</i>										
790	Nervousness and debility	...	1	2	3	...	1	...	2	539
791	Headache	...	...	...	...	...	...	...	...	553
792	Uraemia unqualified	...	6	4	10	...	2	6	2	408
793	Observation, without need for further medical care.	1	173	174	173	...	...	1	...	720
794	Senility without mention of psychosis	...	3	3	...	...	2	1	...	3
795	Ill defined and unknown causes of morbidity and mortality.	10	141	151	147	...	...	...	4	5,347
<b>XVII.—Alternative Classification of Accidents, Poisoning and Violence. (Nature of Injury)</b>										
<i>Fracture of skull, spine and trunk (800-809)</i>										
800	Fracture of vault and skull	...	9	9	2	...	1	6	...	2
801	Fracture of base of skull	...	5	5	1	...	...	4	...	...
802	Fracture of face bones	...	8	8	6	2	...	...	...	2
803	Other and unqualified skull fractures	...	...	...	...	...	...	...	...	1
804	Multiple fractures involving skull or face with other bones.	...	1	1	...	...	...	1	...	...
805	Fracture and fracture dislocation of vertebral column without mention of spinal cord lesion.	...	11	11	...	3	7	...	1	1
806	Fracture and fracture dislocation of vertebral column with mention of spinal cord lesion.	1	3	4	...	1	3	...	...	...
807	Fracture of rib(s) and sternum	...	1	12	13	2	5	3	...	32
808	Fracture of pelvis	...	7	7	2	2	3	...	...	2
809	Multiple and ill defined fractures of trunk	...	2	2	...	...	...	...	...	...
<i>Fracture of upper limb (810-819).</i>										
810	Fracture of clavicle	...	5	5	...	5	...	...	...	19
811	Fracture of scapula	...	2	2	...	2	...	...	...	7
812	Fracture of humerus	...	17	18	10	...	8	...	...	89
813	Fracture of radius and ulna	...	62	62	21	25	14	...	2	255
814	Fracture of carpal bone(s)	...	1	1	...	1	...	...	...	3
815	Fracture of metacarpal bone(s)	...	1	1	1	...	...	...	...	21
816	Fracture of one or more phalanges of hand	...	1	1	...	...	1	...	...	32
817	Multiple fractures of hand bone(s)	...	1	1	...	...	1	...	...	24
818	Other multiple and ill defined fractures of upper limb.	...	1	1	1	...	...	...	...	1

W.H.O. No.	Name of the disease	IN-PATIENTS								
		Remain- ed on 31-12-53	Admit- ted during 1954	Total	DISCHARGES				Remain- ed on 31-12-54	Out- patients
					Cured	Relieved	Other- wise	Died		
<i>Fracture of lower limb (820-829).</i>										
820	Fracture of neck of femur	4	31	35	24	2	7	1	1	28
821	Fracture of other and unspecified parts of femur	...	35	35	27	...	4	1	3	2
822	Fracture of patella	...	8	8	5	...	3	...	...	3
823	Fracture of tibia and fibula	...	44	44	33	5	4	1	1	15
824	Fracture of ankle	...	4	4	1	2	1	...	...	4
825	Fracture of one or more tarsal and metatarsal bones.	...	5	5	2	2	1	...	...	2
826	Fracture of one or more phalanges of foot	1	1	2	...	2	...	...	...	33
827	Other multiple and ill defined fractures of lower limb.	...	...	...	...	...	...	...	...	6
828	Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s), with rib(s) and sternum.	...	1	1	...	1	...	...	...	8
829	Fractures of unspecified bones	1	...	1	...	1	...	...	...	57
<i>Dislocation without fracture (830-848).</i>										
830	Dislocation of jaw	...	2	2	...	2	...	...	...	3
831	Dislocation of shoulder	...	6	6	2	1	3	...	...	3
832	Dislocation of elbow	...	2	2	1	...	1	...	...	10
833	Dislocation of wrist	...	...	...	...	...	...	...	...	1
834	Dislocation of finger	...	1	1	...	1	...	...	...	5
835	Dislocation of hip	...	8	8	...	2	6	...	...	3
836	Dislocation of knee	...	...	...	...	...	...	...	...	15
837	Dislocation of ankle	...	...	...	...	...	...	...	...	22
838	Dislocation of foot	...	...	...	...	...	...	...	...	1
839	Other, multiple and ill defined dislocations	...	2	2	...	...	2	...	...	11
<i>Sprains and strains of joints and adjacent muscles (840-848).</i>										
841	Sprains and strains of elbow and forearm	...	...	...	...	...	...	...	...	2
842	Sprain and strain of wrist and hand	...	...	...	...	...	...	...	...	64
843	Sprains and strains of hip and thigh	...	3	3	...	2	1	...	...	58
844	Sprains and strains of knee and leg	...	2	2	...	...	2	...	...	120
845	Sprains and strains of ankle and foot	...	1	1	...	...	1	...	...	103
846	Sprains and strains of sacro-iliac region	...	...	...	...	...	...	...	...	2
847	Sprains and strains of other and unspecified parts of back	2	1	3	...	...	3	...	...	...
848	Other and ill defined sprains and strains	...	1	1	1	...	...	...	...	190
<i>Head injury (excluding skull fracture) (850-856)</i>										
850	Open wound of scalp	9	97	106	90	6	6	4	...	199
851	Contusion and haematoma of scalp	...	34	34	23	8	3	...	...	3
852	Concussion	...	53	53	44	3	5	1	...	85
853	Cerebral laceration and contusion	...	4	4	...	...	...	4	...	...
854	Sub-arachnoid, sub-dural and extra-dural haemorrhage following head injury (without mention of cerebral laceration or contusion).	...	12	12	3	3	3	3	...	11
855	Other and unspecified intracranial haemorrhage following injury (without mention of cerebral laceration or contusion)	...	1	1	...	...	...	1	...	1
856	Head injury of other and unspecified nature...	...	10	10	3	...	5	...	2	671
<i>Internal injury of chest, abdomen and pelvis (860-869).</i>										
860	Traumatic pneumothorax and haemothorax	...	4	4	3	...	...	1	...	1
861	Injury to heart and lung	...	6	6	4	...	...	2	...	1
862	Injury to other and unspecified intrathoracic organs.	...	2	2	2	...	...	...	...	...
863	Injury to gastro-intestinal tract	...	7	7	6	...	...	1	...	...
864	Injury to liver	...	4	4	1	1	...	2	...	11
865	Injury to spleen	...	2	2	...	...	...	2	...	...
866	Injury to kidney	...	2	2	1	...	...	1	...	2
867	Injury to pelvic organs	...	4	4	2	...	2	...	...	...
868	Injury to other and unspecified intra-abdominal organs.	...	2	2	...	...	1	1	...	...
869	Internal injury unspecified or involving intrathoracic with intra-abdominal organs.	...	3	3	1	...	1	1	1	...
<i>Laceration and open wound of face, neck and trunk (870-879)</i>										
870	Open wound of eye and orbit	...	1	1	...	...	...	...	1	7
873	Other and unspecified laceration of face	...	7	7	5	...	1	...	1	18
874	Open wound of neck	...	1	1	1	...	...	...	...	1
875	Open wound of chest	...	6	6	5	...	1	...	...	1
876	Open wound of back	...	4	4	4	...	...	...	...	...
877	Open wound of buttock	...	2	2	1	1	...	...	...	...
878	Open wound of genital organs including traumatic amputation.	...	3	3	1	1	1	...	...	2
879	Multiple and unspecified open wounds of face neck and trunk.	...	1	1	1	...	...	...	...	51
<i>Laceration and open wound of upper limb (880-882).</i>										
880	Open wound of shoulder and upper arm	...	4	4	4	...	...	...	...	...
881	Open wound of elbow and forearm and wrist not involving tendons.	...	6	6	4	...	...	...	2	53
882	Open wound of wrist involving tendon(s)	...	1	1	...	1	...	...	...	18

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					Cured	Relieved	Other- wise	Died		
883	Open wound of hand except finger(s)	...	2	2	...	2	...	...	...	1
884	Open wound of fingers	...	1	1	...	1	...	...	...	103
885	Multiple and unspecified open wounds of one upper limb.	...	2	2	...	1	...	1	...	53
886	Traumatic amputation of thumb(s)	...	...	...	...	...	...	...	...	2
887	Traumatic amputation of other finger(s)	...	5	5	...	3	...	2	...	17
888	Traumatic amputation of arm and hand	...	1	1	...	...	1	...	...	2
<i>Laceration and open wound of lower limb (890-898).</i>										
890	Open wound of hip and thigh	...	1	1	1	...	...	...	...	...
891	Open wound of knee, leg (except thigh) and ankle not involving tendons.	...	8	8	3	2	3	...	...	...
892	Open wound of ankle involving tendons	1	...	1	...	1	...	...	...	...
893	Open wound of foot, except toe(s)	...	7	7	4	2	1	...	...	...
894	Open wound of toe(s)	...	...	...	...	...	...	...	...	1
895	Multiple and unspecified open wounds of one lower limb.	...	4	4	2	2	...	...	...	11
896	Traumatic amputation of toe(s)	...	1	1	1	...	...	...	...	...
898	Traumatic amputation of leg	3	4	7	3	3	...	...	1	1
<i>Laceration and open wound of multiple location (900-908)</i>										
900	Multiple open wounds of both upper limbs	...	...	...	...	...	...	...	...	10
901	Multiple open wounds of both lower limbs	...	1	1	1	...	...	...	...	9
902	Multiple open wounds of both upper and lower limbs.	...	...	...	...	...	...	...	...	11
903	Multiple open wounds of both hands	...	...	...	...	...	...	...	...	12
904	Multiple open wounds of both head and limb	...	1	1	1	...	...	...	...	8
905	Multiple open wounds of both head and trunk	...	...	...	...	...	...	...	...	13
906	Multiple open wounds of both trunk and limb	...	1	1	1	...	...	...	...	7
907	Multiple open wounds of face with other sites	...	1	1	1	...	...	...	...	10
908	Multiple open wounds of unspecified location	1	...	1	1	...	...	...	...	4
<i>Superficial injury (910-918).</i>										
910	Superficial injury of face and neck	...	1	1	1	...	...	...	...	109
911	Superficial injury of trunk	...	1	1	...	1	...	...	...	35
912	Superficial injury of shoulder and upper arm	...	2	2	...	1	1	...	...	36
913	Superficial injury of elbow, forearm and wrist	...	2	2	2	...	...	...	...	52
914	Superficial injury of hand(s) except fingers	...	...	...	...	...	...	...	...	35
915	Superficial injury of finger(s)	...	2	2	1	...	1	...	...	36
916	Superficial injury of hip, thigh, leg and ankle	...	3	3	2	1	...	...	...	37
917	Superficial injury of foot and toe(s)	...	...	...	...	...	...	...	...	39
918	Superficial injury of other, multiple and unspecified sites.	...	5	5	2	1	...	...	2	1,160
<i>Contusion and crushing with intact skin surface (920-929).</i>										
920	Contusion of face and neck except eye(s)	...	1	1	1	...	...	...	...	149
921	Contusion of eye and orbit	...	...	...	...	...	...	...	...	63
922	Contusion of trunk	...	21	21	13	2	5	...	1	147
923	Contusion of shoulder and upper arm	...	...	...	...	...	...	...	...	71
924	Contusion of elbow, forearm and wrist	...	4	4	1	1	2	...	...	88
925	Contusion of hand(s) except fingers	...	...	...	...	...	...	...	...	68
926	Contusion of fingers	...	...	...	...	...	...	...	...	211
927	Contusion of hip, thigh and ankle	...	8	8	4	2	1	...	1	78
928	Contusion of foot and toe(s)	...	1	1	...	...	...	...	1	357
929	Contusion of other, multiple and unspecified sites.	1	4	5	2	2	...	...	1	1,606
<i>Effects of foreign bodies entering through orifices (930-936).</i>										
930	Foreign body in eye and adnexa	...	...	...	...	...	...	...	...	490
931	Foreign body in ear	...	...	...	...	...	...	...	...	187
932	Foreign body in nose	...	...	...	...	...	...	...	...	43
933	Foreign body in pharynx and larynx	...	3	3	1	1	1	...	...	2
934	Foreign body in bronchus and lung	...	1	1	...	1	...	...	...	1
935	Foreign body in digestive tract	...	12	12	4	4	3	...	1	15
936	Foreign body in genito-urinary tract	...	2	2	...	...	2	...	...	11
<i>Burns (940-949).</i>										
941	Burns confined to face, head and neck	...	4	4	3	...	1	...	...	...
942	Burns confined to trunk	...	1	1	...	...	1	...	...	...
943	Burns confined to upper limb(s) except wrist and hand.	...	1	1	1	...	...	...	...	...
944	Burn confined to wrist (s) and hand (s)	...	1	1	1	...	...	...	...	8
945	Burn confined to lower limb(s)	...	13	13	8	1	2	...	...	...
946	Burn involving face, head and neck with trunk and limb(s)	...	4	4	3	...	...	...	...	0
947	Burn involving trunk with limb(s)	...	21	21	14	1	6	1	...	...
948	Burn involving face, head and neck with trunks and limb(s)	...	44	44	28	...	...	16	...	...
949	Burn involving other and unspecified parts	3	4	...	7	1	...	...	6	459

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					Cured	Relieved	Other- wise	Died		
<i>Injury to nerves one spinal cord without bone injury (950-959).</i>										
950	Injury to optic nerve(s)	...	...	...	...	...	...	...	...	41
952	Injury to nerve(s) in upper arm	...	2	2	...	1	1	...	...	10
953	Injury to nerve(s) in forearm	...	1	1	...	1	...	...	...	1
954	Injury to nerves in wrist and hand	...	...	...	...	...	...	...	...	2
955	Injury to nerves in thigh	...	...	...	...	...	...	...	...	6
956	Injury to nerve(s) in lower leg	...	1	1	1	1	...	...	...	16
957	Injury to nerve(s) in ankle and foot	...	...	...	...	...	...	...	...	5
958	Spinal cord lesion without evidence of spinal bone injury	...	1	1	...	...	1	...	...	6
959	Other nerve injury including nerve injury in several parts.	...	...	...	...	...	...	...	...	6
<i>Effects of poison (960-979).</i>										
960	Poisoning by noxious foodstuffs	...	57	57	50	5	2	...	...	4
961	Poisoning by alcohol	...	48	48	40	...	5	1	2	797
962	Poisoning by petroleum products	...	11	11	5	1	5	...	...	1
963	Poisoning by industrial solvents	...	1	1	...	1	...	...	...	1
964	Poisoning by corrosive aromatics, acids and caustic alkalis.	...	7	8	2	2	3	1	...	1
965	Poisoning by mercury and its compounds	...	3	3	1	1	...	1	...	2
967	Poisoning by arsenic and antimony and their compounds.	...	1	1	...	...	...	1	...	1
968	Poisoning by carbon monoxide	...	1	1	1	...	1	...	...	...
970	Poisoning by morphine and other opium deriva- ves.	...	11	11	6	1	1	3	...	...
971	Poisoning by barbituric acid and derivatives	...	5	5	2	3	...	1	...	...
972	Poisoning by aspirin and salicylates	...	2	2	...	...	1	1	...	...
974	Poisoning by other analgesic and soporific drugs	...	1	1	...	1	...	...	...	...
975	Poisoning by sulphonamides	...	...	...	...	...	...	...	...	1
976	Poisoning by strychnine	...	1	1	1	...	...	...	...	1
977	Poisoning by belladonna, hyoscine and atropine	...	11	11	5	3	1	2	...	2
<i>Effects of weather, exposure and related conditions (980-989).</i>										
980	Effects of reduced temperature	...	1	1	...	...	1	...	...	...
981	Effects of heat and isolation	...	2	2	...	1	...	1	...	...
983	Caisson disease	...	...	...	...	...	...	...	...	1
985	Effects of hunger	...	...	...	...	...	...	...	...	1
<i>Other and unspecified injuries and reactions (990-999).</i>										
990	Drowning and non-fatal submersion	...	...	...	...	...	...	...	...	12
992	Electrocution and non-fatal effects of electric currents.	...	2	2	2	...	...	...	...	110
993	Injury due to radiation except sunburn	...	...	...	...	...	...	...	...	1
994	Other general effects of external causes	...	...	...	...	...	...	...	...	296
995	Certain early complications of trauma	...	3	3	...	1	2	...	...	11
996	Injury of other and unspecified nature	...	6	6	3	2	...	...	1	370
998	Adverse reactions to injections, infusions and transfusions for therapeutic purposes.	...	2	2	...	...	2	...	...	...
999	Adverse reaction to other therapeutic procedure	...	1	1	1	...	...	...	...	...
Total		298	9,395	9,673	5,412	1,727	1,462	778	294	86,975

Statement of cases treated in the Gynaecological and Obstetric department of the B. Y. L. Nair Charitable Hospital during the year ending 31-12-1954.

W.H.O. No.	Name of the disease	IN-PATIENTS								
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					Cured	Relieved	Other- wise	Died		
<i>Malignant neoplasm of breast and genito-urinary system (171-176).</i>										
171	Malignant neoplasm of cervix uteri	1	21	22	2	6	13	1	...	12
172	Malignant neoplasm of corpus uteri	...	...	...	...	...	...	...	...	1
173	Malignant neoplasm of other parts of uterus including chorionepithelioma.	...	2	2	...	...	...	2	...	...
174	Malignant neoplasm of uterus unspecified	...	...	...	...	...	...	...	...	1
175	Malignant neoplasm of ovary, fallopian tube and broad ligament.	...	5	5	1	1	1	1	1	1
176	Malignant neoplasm of other and unspecified female genital organs.	...	2	2	...	...	2	...	...	...
<i>Benign neoplasm (210-229).</i>										
210	Uterine fibromyoma	...	23	23	10	5	7	...	1	5
215	Other benign neoplasm of uterus	...	2	2	1	1	...	...	...	1
216	Benign neoplasm of ovary	...	6	6	3	1	1	1	...	...
<i>Diseases of breast, ovary, fallopian tube and tube and parametrium (620-626).</i>										
620	Chronic cystic disease of breast	...	2	2	...	2	...	...	...	...
621	Other disease of breast	1	6	7	4	1	...	...	2	20
622	Acute salpingitis and oophritis	...	20	20	11	1	8	...	...	9
623	Chronic salpingitis and oophritis	...	35	35	27	4	4	...	...	26
624	Salpingitis and oophritis unqualified	...	9	9	1	3	5	...	...	...
625	Other disease of ovary and fallopian tube	1	6	7	1	1	5	...	...	...
626	Diseases of parametrium and pelvic peritoneum (female).	...	9	9	2	4	3	...	...	36
<i>Diseases of uterus and other female genital organs (630-637).</i>										
630	Infective disease of uterus, vagina and vulva	1	20	21	6	9	...	...	...	123
631	Utero-vaginal prolapse	2	71	73	42	7	22	...	2	130
632	Malposition of uterus	2	42	44	33	7	...	...	4	178
633	Other diseases of uterus	...	4	4	...	2	2	...	...	8
634	Disorders of menstruation	1	147	148	140	6	2	...	...	660
635	Menopausal symptoms	...	...	...	...	...	...	...	...	14
636	Sterility (female)	...	32	32	24	4	2	...	2	580
637	Other diseases of female genital organs	4	17	21	7	5	7	1	1	1,042
<b>XI.—Deliveries and complications of pregnancy, Child birth and the puerperium.</b>										
<i>Complications of pregnancy (640-649).</i>										
640	Pyelitis and pyelo-nephritis of pregnancy	...	2	2	1	...	...	...	1	16
641	Other infections of genito-urinary tract during pregnancy.	...	2	2	2	...	...	...	...	...
642	Toxaemia of pregnancy	...	85	85	37	23	24	1	...	16
643	Placenta praevia	...	4	4	2	1	1	...	...	...
644	Other haemorrhage of pregnancy	...	19	19	9	3	7	...	...	...
645	Ectopic pregnancy	1	13	14	5	4	4	1	...	...
646	Anaemia of pregnancy	1	62	63	20	26	17	...	...	...
647	Pregnancy with malposition of foetus in uterus	1	24	25	13	3	9	...	...	...
648	Other complications arising from pregnancy	...	241	241	12	182	47	...	...	8
649	Pregnancy associated with other conditions	9	240	249	50	117	82	...	...	458
<i>Abortions (650-652).</i>										
650	Abortion without mention of sepsis or toxæmia	1	388	389	379	5	1	...	4	116
651	Abortion with sepsis	...	4	4	1	2	...	1	...	...
<i>Delivery without complications (660)</i>										
660	Delivery without complications	29	1,458	1,487	1,449	...	...	5	33	2,809
<i>Delivery with specified complications (670-678)</i>										
670	Delivery complicated by placenta praevia or ante-partum haemorrhage.	...	8	8	4	2	2	...	...	...
671	Delivery complicated by retained placenta	...	3	3	2	1	...	...	...	...
672	Delivery complicated by other post-partum haemorrhage.	...	13	13	11	...	...	2	...	...
673	Delivery complicated by abnormality of bony pelvis.	...	12	12	3	6	3	...	...	...
674	Delivery complicated by disproportion of malposition of foetus.	...	48	48	32	9	5	2	...	3
675	Delivery complicated by prolonged labour of other origin.	...	17	17	11	4	1	1	...	...
676	Delivery with laceration of perineum, without mention of other laceration.	...	206	206	197	3	6	...	...	2
677	Delivery with other trauma	...	3	3	1	2	...	...	...	...
678	Delivery with other complications of child birth	1	3	4	3	1	...	...	...	...
<i>Complications of the puerperium (680-689).</i>										
680	Puerperal urinary infection without other sepsis	...	1	1	1	...	...	...	...	...
681	Sepsis of child-birth and the puerperium	3	13	16	9	2	5	...	...	...
683	Pyrexia of unknown origin during the puerperium.	...	5	5	4	...	...	...	1	40
685	Puerperal eclampsia	...	2	2	1	...	1	...	...	...
688	Other and unspecified complications of the puerperium.	...	11	11	2	3	5	...	1	13
689	Mastitis and other disorders of lactation	...	4	4	3	1	...	...	...	...
<b>Total</b>		59	3,372	3,471	2,579	470	310	18	53	6,308

Statement showing classification according to principal sites of lesion of in-patients, suffering from Tuberculosis treated in the B. Y. L. Nair Charitable Hospital during the year 1954.

	Respiratory system.	Brain and spinal cord.	Intestines Peritoneum.	Genito-urinary system.	Bones and Joints.				Glands. Generalised.	Others.	Total.	
					Spine.	Hip.	Knee.	Other.				
Discharges ...	346	99	85	7	25	1	1	49	25	1	5	644
Deaths ...	33	46	5	...	1	...	...	2	...	...	1	88
Total ...	379	145	90	7	26	1	1	51	25	1	6	732

Statement showing patients suffering from Malignant Neoplasms classified according to the type of growth, sex and age, Discharges and deaths treated at B. Y. L. Nair Charitable Hospital during the year 1954.

Type of Growth.	Sex.	AGE GROUP									Discharges.	RESULTS	
		0-14 yrs.	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		Deaths	Total.
Carcinoma	Male ...	1	1	7	18	20	23	7	1	1	55	24	79
	Female ...	...	4	12	10	7	4	2	...	...	32	7	39
Sarcoma	Male ...	1	2	2	...	1	...	...	...	...	5	1	6
	Female ...	...	1	...	1	...	1	...	...	...	2	1	3
Rodent Ulcer	Male ...	...	...	...	...	1	...	...	...	...	1	...	1
	Female ...	...	...	...	...	...	...	...	...	...	...	...	...
Unclassified	Male ...	1	2	1	...	...	...	...	...	...	2	2	4
	Female ...	1	...	1	...	2	...	...	...	...	3	1	4
Total...	Male ...	3	5	10	18	22	23	7	1	1	63	27	90
	Female ...	1	5	13	11	9	5	2	...	...	37	9	46
Grand Total...		4	10	23	29	31	28	9	1	1	100	36	136

Statement showing patients suffering from Malignant Neoplasms treated in the B. Y. L. Nair Charitable Hospital during the year 1954, classified according to Sex, site of growth and results.

Site of growth.	Sex.	RESULT.					
		Discharged.		Died.			
		Males	Female	Male	Female	Male	Female
Buccal cavity and pharynx	...	11	3	7	2	4	1
Digestive organs and Peritoneum	...	23	5	16	4	7	1
Respiratory System	...	28	...	20	...	8	...
Breast and genito-urinary system	...	11	31	6	25	5	6
Unclassified	...	17	7	14	6	3	...
Discharged	...	...	...	63	37	...	...
Death	...	...	...	...	...	27	9
Total	...	90	46	100		36	
Grand Total ...		136		136			

Statement showing the fracture cases treated at the B. Y. L. Nair Charitable Hospital, during the year 1954.

Nature of Fracture.	Simple.	Compound.	Patho-logical.	Total.	Operative Reduction.	COMPLICATIONS WITH.				RESULTS.				Total.
						Joints.	Nerves.	Vessal.	Others.	Cured.	Relieved.	Otherwise.	Expired.	
Skull	...	14	...	...	14	...	...	...	...	3	...	1	10	14
Face Bones	...	5	3	...	8	...	...	...	...	6	2	...	...	8
Spine	...	15	...	...	15	...	...	...	...	...	4	11	...	15
Ribs & Sternum	...	13	...	...	13	...	...	...	...	2	25	3	3	13
Pelvis	...	7	...	...	7	...	...	...	...	2	2	3	...	7
Illdefined fractures of trunk and clavicle	...	2	...	...	2	...	...	...	...	...	...	...	2	2
Clavicle	...	5	...	...	5	2	...	...	...	...	5	...	...	5
Scapula	...	2	...	...	2	2	...	...	...	...	2	...	...	2
Humerus	...	17	1	...	18	12	...	...	...	10	8	...	...	18
Radius and Ulna	...	58	4	...	62	56	...	...	...	21	25	16	...	62
Carpal Metacarpal and Phalanges	...	3	1	...	4	2	...	...	...	1	1	2	...	4
Ill defined fractures of upper limb	...	1	...	...	1	...	...	...	...	1	...	...	...	1
Femur	...	70	...	...	70	32	...	...	...	51	2	15	2	70
Patella	...	7	1	...	8	8	...	...	...	5	...	3	...	8
Tibia and Fibula	...	31	13	...	44	17	...	...	...	33	5	5	1	44
Ankle	...	2	2	...	4	...	...	...	...	1	2	1	...	4
Tarsal meta'real and Phalanges	...	5	2	...	7	1	...	...	...	2	4	1	...	7
Ill defined fractures of lower limb	...	1	...	...	1	1	...	...	...	...	1	...	...	1
Unspecified bones	...	2	...	...	2	...	...	...	...	...	1	...	1	2
<b>Grand Total</b>	...	<b>260</b>	<b>27</b>	...	<b>287</b>	<b>133</b>	...	...	...	<b>138</b>	<b>69</b>	<b>61</b>	<b>19</b>	<b>287</b>



*Statement of poisoning cases treated at B. Y. L. Nair Charitable Hospital during the year 1954.*

Nature of Poisoning	IN-PATIENTS						O. P. D.
	Total	Cured	Relieved	Otherwise	Died	Remained	
Noxious food stuffs	57	50	5	2	...	...	...
Alcohol	48	40	...	5	1	2	797
Petroleum products	11	5	1	5	...	...	...
Industrial Solvents	1	...	1	...	...	...	...
Corrosive aromatic acids and caustic alkalis	8	2	2	3	1	...	...
Mercury and its compounds	3	1	1	...	1	...	...
Arsenic and antimony and their compound	1	...	...	...	1	...	...
Carbon monoxide	1	1	...	...	...	...	...
Morphine and other opium derivatives	11	6	1	1	3	...	...
Barbituric acid and its derivatives	5	2	3	...	...	...	...
Aspirin and salicylates bromides	2	...	...	...	1	1	...
Other analgesic and specific drugs	1	...	1	...	...	...	...
Strychnine	1	1	...	...	...	...	...
Atropine, hyoscyne and scopolamine	11	5	3	1	2	...	...
<b>Total</b>	<b>161</b>	<b>113</b>	<b>18</b>	<b>17</b>	<b>10</b>	<b>3</b>	<b>797</b>

*Statement showing cases of tuberculosis of the respiratory system treated in the B. Y. L. Nair Charitable Hospital in the year 1954 as compared to the previous last 4 years.*

YEAR.	PULMONARY T. B.					OTHER FORMS RESPIRATORY T. B.					TOTAL.				
	Male	Fe- male.	Mch.	Fch.	Total	Male	Fe- male.	Mch.	Fch.	Total	Male	Fe- male.	Mch.	Fch.	Total.
1950	158	5	...	...	163	17	...	...	...	17	173	5	...	...	178
1951	204	...	...	...	204	21	...	...	...	21	225	...	...	...	225
1952	373	...	...	...	373	19	...	...	...	19	392	...	...	...	392
1953	298	3	...	...	301	31	...	...	...	31	329	3	...	...	332
1954	353	5	...	...	358	21	...	...	...	21	374	5	...	...	379

Classification of operations performed in the Surgical Department of the B. Y. L. Nair Charitable Hospital, during the year ending 31st December 1944.

Name of Operations	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained	
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died		
<b>Operations on the Regions of the Body—</b>											
<i>Incision—</i>											
<i>Exploration of wounds—</i>											
Forehead	...	1	...	1	1	1	...	...	...	...	3
Parietal region	...	2	...	2	2	1	1	...	...	...	12
Occipital region	...	1	...	1	1	1	...	...	...	...	4
Scalp	...	3	...	3	3	...	3	...	...	...	...
Thorax	...	17	...	17	17	17	...	...	...	...	...
Shoulder	...	1	...	1	1	1	...	...	...	...	...
Multiple and unspecified	...	4	...	4	4	...	3	...	...	1	12
<i>Incision and Drainage abscesses—</i>											
Forehead	...	1	...	1	1	1	...	...	...	...	2
Scalp	...	1	...	1	1	1	...	...	...	...	2
Face	...	1	...	1	1	1	...	...	...	...	5
Cheek	...	2	...	2	2	2	...	...	...	...	4
Chin	...	1	...	1	1	1	...	...	...	...	3
Neck	...	4	...	4	4	...	4	...	...	...	38
Thoracic wall	...	2	...	2	2	...	2	...	...	...	2
Back	...	4	...	4	4	4	...	...	...	...	23
Shoulder	...	4	...	4	5	4	1	...	...	...	15
Buttock and hip	...	6	...	6	7	1	2	...	1	3	6
Axilla	...	4	...	4	5	4	1	...	...	...	32
Groin	...	1	...	1	1	1	...	...	...	...	64
Scapular region	...	4	...	4	4	4	...	...	...	...	6
Arm	...	4	...	4	4	4	...	...	...	...	25
Forearm	...	4	...	4	4	4	...	...	...	...	65
Palm	...	6	...	6	6	1	5	...	...	...	384
Thigh	...	3	...	3	3	2	...	...	...	1	5
Knee	...	4	...	4	4	4	...	...	...	...	3
Leg	...	2	...	2	2	2	...	...	...	...	5
Ankle	...	4	...	4	4	4	...	...	...	...	3
Foot	...	2	...	2	2	1	...	...	1	...	439
Multiple and unspecified	...	...	...	...	...	...	...	...	...	...	10
<i>Aspiration—</i>											
<i>Aspiration swelling or abscess—</i>											
Neck	...	4	...	4	4	...	4	...	...	...	86
Axilla	...	6	...	6	6	...	6	...	...	...	41
Inguinal region	...	6	...	6	6	...	6	...	...	...	45
<i>Removal foreign body—</i>											
Finger	...	...	...	...	...	...	...	...	...	...	7
Thumb	...	...	...	...	...	...	...	...	...	...	7
Palm	...	2	...	2	2	2	...	...	...	...	18
Thigh	...	5	...	5	5	5	...	...	...	...	10
<i>Partial transection—</i>											
Prefrontal leucotomy	...	1	4	...	4	5	...	3	...	2	...
<i>Excision—</i>											
Dermoid cyst face	...	4	...	4	4	4	...	...	...	...	59
Sebaceous cyst face	...	...	...	...	...	...	...	...	...	...	2
Sebaceous cyst scalp	...	...	...	...	...	...	...	...	...	...	99
<i>Benign tumours on —</i>											
Head	...	6	...	6	6	6	...	...	...	...	...
Face	...	6	...	6	6	6	...	...	...	...	10
Back	...	5	...	5	5	5	...	...	...	...	1
Gluteal region	...	3	...	3	3	3	...	...	...	...	...
Unspecified sites	...	13	...	13	13	12	...	...	...	1	10
Biopsies	...	9	...	9	9	...	9	...	...	...	20
<i>Scraping—</i>											
Ulcer foot	...	7	...	7	7	2	4	...	...	1	14
<i>Repair—</i>											
<i>Secondary suture of—</i>											
Scalp	...	4	...	4	4	4	...	...	...	...	...
Chest	...	2	...	2	2	2	...	...	...	...	...
Arm	...	2	...	2	2	2	...	...	...	...	...

Nature of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- maining	
		Princi- pal	Se- condary	Total	No. of Operation	Cured	Relieved	Other- wise	Died		
Forearm	...	2	...	2	2	2	...	...	...	...	...
Shoulder	...	3	...	3	3	3	...	...	...	...	...
Abdomen	...	10	...	10	10	10	...	...	...	...	...
Unspecified	...	3	...	3	3	3	...	...	...	...	...
<b>Operations on the skin and Subcutaneous Areolar tissue—</b>											
<i>Incision—</i>											
Carbuncle back	...	12	...	12	12	...	12	...	...	...	3
Whitlow finger	...	1	...	1	1	1	...	...	...	...	107
Paronychia finger	...	...	...	...	...	...	...	...	...	...	41
Furuncle nose	...	...	...	...	...	...	...	...	...	...	8
<i>Excision—</i>											
Scraping sinus leg	...	13	...	13	13	13	...	...	...	...	13
Warts anus	...	8	...	8	8	...	7	1	...	...	7
Keloid chest	...	7	...	7	7	...	...	7	...	...	5
Nails finger	...	2	...	2	2	...	...	2	...	...	65
Corns feet	...	4	...	4	4	...	4	...	...	...	29
Guinea worm leg	...	4	...	4	4	...	3	...	...	1	...
Boils forehead	...	...	...	...	...	...	...	...	...	...	26
<i>Repair—</i>											
Skin graft: face	...	4	...	4	4	...	...	2	...	2	...
Cheek	...	8	...	8	8	...	...	8	...	...	...
Chest	...	7	...	7	7	...	...	7	...	...	...
Back	...	13	...	13	13	8	...	4	...	1	...
Thigh	...	13	...	13	13	8	...	5	...	...	...
Leg	...	7	...	7	7	...	7	...	...	...	...
Cutting skin pedicle	...	4	...	4	4	...	...	4	...	...	...
Suture avulsed skin	...	3	...	3	3	...	...	3	...	...	...
Repair contractures	...	4	...	4	4	...	...	4	...	...	...
<i>Introduction—</i>											
Injection keloid	...	...	...	...	...	...	...	...	...	...	9
<b>Operations on the breast—</b>											
<i>Incision—</i>											
Incision drainage breast abscess	...	5	...	5	5	...	4	...	...	1	...
<i>Excision—</i>											
Excision gynecomastia	...	1	...	1	1	...	...	...	...	1	6
Excision galactocoele	...	1	...	1	1	...	...	1	...	...	...
Excision fibroadenoma breast...	...	4	...	4	4	...	4	...	...	...	...
Radical Mastectomy	...	6	...	6	6	...	...	6	...	...	...
Biopsy growth breast	...	1	...	1	1	...	...	1	...	...	...
Correcting mastectomy scar	...	...	...	...	...	...	...	...	...	...	1
<b>Operation on the bones—</b>											
<i>Incision—</i>											
Sequestrectomy	...	4	...	4	4	...	...	4	...	...	...
Osteotomy	...	1	...	1	1	...	1	...	...	...	...
<i>Excision—</i>											
Rib Resection	...	7	...	7	7	...	...	7	...	...	...
<i>Scraping osteomyelitis—</i>											
Mandible	...	6	...	6	6	...	3	3	...	...	...
Humerus	...	2	...	2	2	...	1	1	...	...	...
Femur	...	8	...	8	8	...	4	4	...	...	3
Tibia	...	3	...	3	3	...	2	1	...	...	...
Phalanges of Hand	...	4	...	4	4	...	2	2	...	...	...
<i>Manipulation—</i>											
Plastering vertebrae	...	11	...	11	11	...	...	11	...	...	...
Radius	...	...	...	...	...	...	...	...	...	...	4
Femur	...	...	...	...	...	...	...	...	...	...	1
Hip	...	3	...	3	3	...	...	3	...	...	...
Ankle	...	...	...	...	...	...	...	...	...	...	1
Removal wire mandible	...	1	...	1	1	...	...	1	...	...	...
Replastering	...	3	...	3	3	...	...	3	...	...	...
<i>Introduction—</i>											
Wiring mandible	...	1	...	1	1	...	...	1	...	...	...
<i>Repair—</i>											
Albee's bone graft	...	3	...	3	3	...	...	3	...	...	...

Name of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained		
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died			
<b>Operations on the joints—</b>												
<i>Aspiration—</i>												
Aspiration pyoarthrosis	...	...	5	...	5	5	...	...	5	...	...	...
<i>Manipulation—</i>												
Mobilization of joint under anaesthesia	...	...	1	...	1	1	...	...	1	...	...	...
<i>Excision—</i>												
Osteoma femur	...	...	1	...	1	1	...	...	1	...	...	...
Hemimandibulectomy	...	...	3	...	3	3	...	...	3	...	...	...
<b>Operations on the Bursae—</b>												
<i>Aspiration—</i>												
Aspiration bursitis	...	...	1	...	1	1	...	1	...	...	...	3
<i>Excision—</i>												
Excision bursa	...	...	2	...	2	2	2	...	...	...	...	...
<b>Operations on the Muscles and Tendons—</b>												
<i>Excision—</i>												
Excision ganglion wrist	...	...	...	...	...	...	...	...	...	...	...	7
Modified Kondoleon's opn	...	...	3	...	3	3	...	...	3	...	...	1
Muscle biopsy	...	...	2	...	2	2	...	...	2	...	...	...
<b>Operations on the extremities—</b>												
<i>Disarticulation—</i>												
Finger	...	...	1	...	1	1	...	...	1	...	...	...
Ankle and Foot	...	...	1	...	1	4	...	...	4	...	...	...
Leg	...	...	3	...	3	3	...	...	2	...	1	...
Toe	...	...	7	...	7	7	...	...	5	1	1	...
Metatarsals	...	...	2	...	2	2	...	...	2	...	...	...
<b>Operations on the Nose and Ear—</b>												
<i>Incision—</i>												
Incision Perichondritis ear	...	...	...	...	...	...	...	...	...	...	...	1
<i>Repair—</i>												
Rhinoplasty	...	1	11	...	11	12	...	11	...	...	1	...
Repair ear Lobule	...	...	2	...	2	2	2	...	...	...	...	37
<i>Excision—</i>												
Removal chondroma ear	...	...	1	...	1	1	1	...	...	...	...	...
<i>Other—</i>												
Perforating ear lobule	...	...	...	...	...	...	...	...	...	...	...	2
<b>Operations on the Tracheas and Bronchi—</b>												
<i>Excision—</i>												
Excision bronchogenic carcinoma	...	...	1	...	1	1	...	...	...	1	...	...
<i>Endoscopy—</i>												
Bronchoscopy	...	...	18	...	18	18	...	...	18	...	...	2
<b>Operations on the Lung and Pleura—</b>												
<i>Incision—</i>												
Thoracotomy	...	...	4	...	4	4	...	3	...	...	1	...
Thoracoplasty	...	...	1	...	1	1	...	1	...	...	...	...
Drainage Empyema	...	...	4	...	4	4	...	...	2	...	2	...
<i>Surgical Collapse Therapy—</i>												
Artificial Pneumothorax	...	...	12	246	258	12	...	...	12	...	...	...
<i>Excision—</i>												
Pneumonectomy	...	...	1	...	1	1	...	...	...	1	...	...
Lobectomy	...	...	4	...	4	4	...	3	...	1	...	...
Decortication Lung	...	...	1	...	1	1	...	1	...	...	...	...
Biopsy lung	...	...	1	...	1	1	...	...	1	...	...	...

Name of Operations	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS			No. of Operation	RESULTS				Re- mained	
		Princi- pal	Se- condary	Total		Cured	Relieved	Other- wise	Died		
<i>Other—</i>											
Strapping chest	...	2	...	2	2	...	2	0	...	...	50
Injection Novocaine	...	...	...	...	...	...	...	...	...	...	53
<b>Operations on the Heart and Pericardium—</b>											
<i>Destruction—</i>											
Mitral Commissurectomy	...	2	...	2	2	...	...	...	1	1	...
<i>Excision—</i>											
Pericardiectomy	...	3	...	3	3	...	0	2	1	...	...
<i>Incision—</i>											
Mitral valvotomy	...	1	...	1	1	...	1	...	...	...	...
<i>Other—</i>											
Hellins operation for achalasia cardia.	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Arteries and Veins—</b>											
<i>Suture—</i>											
Triple ligation of hepatic, splenic, and gastric arteries.	...	1	...	1	1	...	1	...	...	...	...
Ligature vein	...	2	...	2	2	...	2	...	...	...	...
Ligature femoral artery	...	1	...	1	1	...	1	...	...	...	...
Ligature cirroid aneurysm	...	2	...	2	2	...	2	...	...	...	...
Trendelenberg's operation	...	7	...	7	7	...	7	...	...	...	...
<i>Introduction—</i>											
Injection varicose veins	...	...	...	...	...	...	...	...	...	...	17
Aortography	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Spleen—</b>											
<i>Excision—</i>											
Splenectomy	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Lymphnodes—</b>											
<i>Incision—</i>											
Incision lymphanodes	...	...	...	...	...	...	...	...	...	...	3
Incision inguinal bubo	...	...	...	...	...	...	...	...	...	...	5
<i>Excision—</i>											
<i>Excision lymphnodes—</i>											
Cervical	...	10	...	10	10	...	...	8	...	2	8
Axillary	...	3	...	3	3	3	...	...	...	...	6
Inguinal	...	5	...	5	5	5	...	...	...	...	1
<i>Biopsy lymphnodes—</i>											
Cervical	...	8	...	8	8	...	...	8	...	...	19
Inguinal	...	1	...	1	1	...	...	1	...	...	11
<b>Operations on the mouth—</b>											
<i>Incision—</i>											
Incision Ludwig's Angina	...	1	...	1	1	...	...	...	1	...	...
<b>Operations on the Lips—</b>											
<i>Excision—</i>											
Excision mucous cyst lip	...	...	...	...	...	...	...	...	...	...	3
<i>Repair—</i>											
Plastic repair harelip	...	19	...	19	19	19	...	...	...	...	...
<b>Operations on the tongue—</b>											
<i>Incision—</i>											
Relieving tongue tie	...	...	...	...	...	...	...	...	...	...	2
<i>Excision—</i>											
Excision papillomatous tongue	...	1	...	1	2	...	2	...	...	...	...

Nature of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- maining		
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died			
<b>Operations on the teeth and gums—</b>												
<i>Excision—</i>												
Extraction teeth	...	...	5	...	5	5	...	5	...	...	...	1
<b>Operations on salivary glands and Ducts—</b>												
<i>Excision—</i>												
Excision stone submandibular duct.	...	...	3	...	3	3	...	3	...	...	...	...
Excision submandibular sinus	...	...	...	...	...	...	...	...	...	...	...	1
Excision Ranula	...	...	...	...	...	...	...	...	...	...	...	3
Excision parotid tumour	...	...	1	...	1	1	...	1	...	...	...	...
Excision parotid cyst	...	...	1	...	1	1	...	1	...	...	...	...
Biopsy Parotid gland	...	...	1	...	1	1	...	...	1	...	...	...
<i>Incision—</i>												
Incision Parotid abscess	...	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Uvula and the Palate—</b>												
<i>Repair—</i>												
Repair cleft palate	...	...	4	...	4	4	...	3	...	...	1	...
<i>Excision—</i>												
Curetting cyst palate	...	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Oesophagus—</b>												
<i>Excision—</i>												
Oesophagectomy	...	...	1	...	1	1	...	1	...	...	...	...
Oesophyomyotomy	...	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the stomach—</b>												
<i>Excision—</i>												
Partial Gastrectomy	...	3	33	...	33	36	...	16	18	1	...	...
Total Gastrectomy	...	...	1	...	1	1	...	...	1	...	...	...
<i>Repair—</i>												
Gastrojejunostomy	...	...	7	...	7	7	...	7	...	...	...	...
Gastroenterostomy	...	...	5	...	5	5	...	5	...	...	...	...
Entero enterostomy	...	...	2	...	2	2	...	2	...	...	...	...
Gastrostomy	...	...	1	...	1	1	...	...	...	1	...	...
<i>Endoscopy—</i>												
Gastroscopy	...	...	5	...	5	5	...	...	5	...	...	1
<i>Suture—</i>												
Suture gastric perforation	...	...	4	...	4	4	...	4	...	...	...	...
<b>Operations on the intestines (except Rectum)—</b>												
<i>Excision—</i>												
Resection anastomoses	...	...	4	...	4	4	...	4	...	...	...	...
Hemicalectomy	...	...	8	...	8	8	...	6	...	1	1	...
Excision carcinoma pelvic colon	...	...	8	...	8	8	...	3	5	...	...	...
Reduction Volvulus	...	...	1	...	1	1	...	1	...	...	...	...
Ileo colostomy	...	...	8	...	8	8	...	6	...	1	1	...
Colostomy	...	1	...	...	3	4	...	...	...	...	...	...
<i>Suture—</i>												
Suture typhoid perforation	...	...	3	...	3	3	...	2	...	1	...	...
Suture Duodenal perforation	...	...	22	...	22	22	...	16	3	1	2	...
<b>Operations on the Meckel's Diverticulum and Mesentery—</b>												
<i>Excision—</i>												
Diverticulectomy	...	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Appendix—</b>												
<i>Excision—</i>												
Appendicectomy	...	3	152	...	152	155	132	4	15	2	2	...

Name of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	No. OF OPERATIONS			No. of Operation	RESULTS				Re- mained	
		Princi- pal	Se- condary	Total		Cured	Relieved	Other- wise	Died		
<b>Operations on the Rectum—</b>											
<i>Incision—</i>											
Abdomino perineal resection	...	1	...	1	1	...	...	1	...	...	...
Incision ischio-rectal abscess	...	7	...	7	8	8	...	...	...	...	...
<i>Excision—</i>											
Excision carcinoma rectum	...	2	...	2	2	...	2	...	...	...	...
Biopsy rectum	...	4	...	4	4	...	...	4	...	...	...
<i>Endoscopy—</i>											
Sigmoidoscopy	...	13	...	3	13	...	...	13	...	...	...
<i>Repair—</i>											
Rectopexy	...	3	...	3	3	2	...	...	...	1	...
<i>Manipulation—</i>											
Reduction Prolapse rectum	...	5	...	5	5	5	...	...	...	...	1
Graham's operation	...	2	...	2	2	2	...	...	...	...	...
<b>Operations on the Anus—</b>											
<i>Incision—</i>											
Incision perineal abscess	...	3	...	3	3	3	...	...	...	...	20
Fissurectomy	...	12	...	12	12	...	11	...	...	1	1
Haemorrhoidectomy	...	81	...	81	83	73	1	7	...	2	...
Biopsy anus	...	1	...	1	1	...	...	1	...	...	1
Excision anal tag	...	...	...	...	...	...	...	...	...	...	...
Condylectomy	...	1	...	1	1	...	...	1	...	...	...
<i>Introduction—</i>											
Injection fissure	...	...	...	...	...	...	...	...	...	...	34
Injection piles	...	4	...	4	4	...	...	4	...	...	97
<i>Repair—</i>											
Imperforate anus	...	4	...	4	4	...	4	...	...	...	...
<i>Suture—</i>											
Fistulectomy	...	4	36	...	36	40	...	38	...	2	...
<b>Operations on the Liver—</b>											
<i>Incision—</i>											
Postal Canal Anastomosis	...	1	4	...	4	5	...	...	2	3	0
Aspiration Liver abscess	...	...	5	...	5	5	...	5	...	...	...
Incision Liver Abscess	...	...	1	...	1	1	...	...	1	...	...
<b>Operations on the Biliary Tract</b>											
<i>Incision—</i>											
Cholecystectomy	...	8	...	8	8	...	...	7	1	...	...
<i>Repair—</i>											
Cholecysto duodenostomy	...	2	...	2	2	...	2	...	...	...	...
<b>Operations on the Pancreas—</b>											
<i>Repair—</i>											
Manipulization pseudo pancreatic cyst	...	1	...	1	1	...	...	1	...	...	...
<b>Operations in the Abdomen, Omentum and Peritoneum—</b>											
<i>Incision—</i>											
Exploratory Laparotomy	...	1	79	...	79	80	...	71	...	8	1
<i>Excision—</i>											
Peritoneo dural anastomosis	...	1	...	1	1	...	...	1	...	...	...
Excision septic umbilicus	...	1	...	1	1	...	...	1	...	...	...
<i>Endoscopy—</i>											
Peritoneoscopy	...	2	...	2	2	...	...	2	...	...	...
<i>Repair—</i>											
Inguinal hernia	...	9	198	...	198	207	197	4	1	...	5
Inguinal hernia strangulated	...	2	46	...	46	48	23	7	2	3	8
Ventral hernia	...	1	...	1	1	...	...	1	...	...	...
Umbilical hernia	...	1	...	1	1	...	...	1	...	...	...

Name of Operations	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained	
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died		
<b>Operations on the Kidneys—</b>											
<i>Incision—</i>											
Incision perinephric abscess	...	...	4	...	4	4	...	1	3	...	...
Nephrolithotomy	...	...	6	...	6	6	...	2	3	1	...
Exploration lump kidney	...	...	1	...	1	1	...	...	1	...	...
<i>Excision—</i>											
Nephrectomy	...	...	7	...	7	7	...	7	...	...	...
<i>Endoscopy—</i>											
Chromocystoscopy	...	...	4	...	4	4	...	4	...	...	...
<b>Operations on the Ureter—</b>											
<i>Repair—</i>											
Implantation ureter	...	...	1	...	1	1	...	...	1	...	...
Resection ureter orifice	...	...	1	...	1	1	...	...	1	...	...
<b>Operations on the Bladder—</b>											
<i>Incision—</i>											
Suprapubic cystostomy	...	...	15	...	15	15	...	10	...	3	2
Suprapubic Cystolithotomy	...	...	20	...	20	20	...	20	...	...	...
<i>Excision—</i>											
Total cystectomy	...	...	1	...	1	1	...	1	...	...	...
<i>Repair—</i>											
Suture rupture bladder	...	...	1	...	1	1	...	1	...	...	...
<i>Endoscopy—</i>											
Crytoscopy	...	...	45	...	45	45	...	42	...	...	1
<b>Operations on the Urethra—</b>											
<i>Incision—</i>											
External urethrotomy	...	...	1	...	1	1	...	1	...	...	...
Meatotomy	...	...	1	...	1	1	1	...	...	...	1
Urethrolithotomy	...	...	3	...	3	3	...	...	2	...	1
Feri urethral abscess	...	...	2	...	2	2	...	2	...	...	...
<i>Excision—</i>											
Excision urethral calculus	...	...	1	...	1	1	...	1	...	...	...
<i>Repair—</i>											
Hypospadias	...	...	7	...	7	7	...	7	...	...	...
<i>Introduction—</i>											
Catheterization	...	...	...	...	...	...	...	...	...	...	33
<i>Manipulation—</i>											
Dilatation stricture urethra	...	...	51	...	51	51	...	50	...	...	1
<b>Operations on the Penis—</b>											
<i>Incision—</i>											
Dorsal slit prepuce	...	...	3	...	3	3	...	3	...	...	4
<i>Repair—</i>											
Reduction paraphimosis	...	...	...	...	...	...	...	...	...	...	8
<i>Excision—</i>											
Amputation penis	...	...	4	...	4	4	...	4	...	...	...
Circumcision	...	...	7	...	7	7	7	...	...	...	90
<b>Operations on the Testis—</b>											
<i>Excision—</i>											
Orchidectomy	...	...	4	...	4	4	...	4	...	...	...
<i>Repair—</i>											
Orchidepxy	...	...	3	...	3	3	...	3	...	...	...
Restoration undescended testis	...	...	3	...	3	3	...	3	...	...	...



Nature of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	No. OF OPERATIONS			No. of Operation	RESULTS				Re- maining	
		Princi- pal	Se- condary	Total		Cured	Relieved	Other- wise	Died		
<b>Operations on the Epididymis—</b>											
<i>Excision—</i>											
Excision cystepididymis	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the Tunica Vaginalis—</b>											
<i>Incision—</i>											
Incision pyosicle	...	5	...	5	5	...	5	...	...	...	...
Aspiration hydrocoele	...	...	...	...	...	...	...	...	...	...	44
<i>Excision—</i>											
Radical cure hydrocoele	...	6	194	...	194	200	176	9	4	...	11
<b>Operations on the scrotum—</b>											
<i>Incision—</i>											
Incision scrotal abscess	...	3	...	3	3	...	3	...	...	...	...
<i>Excision—</i>											
Excision scrotum	...	2	...	2	2	...	2	...	...	...	...
Excision elephantiasis scrotum	...	1	...	1	1	...	1	...	...	...	...
Subtotal excision scrotum	...	2	...	2	2	...	2	...	...	...	...
<b>Operations on the Vas Deferens—</b>											
<i>Excision—</i>											
Vasectomy	...	3	...	3	3	...	3	...	...	...	27
<b>Operations on the spermatic Cord—</b>											
<i>Excision—</i>											
Radical cure varicoceles	...	3	...	3	3	3	...	...	...	...	...
<b>Operations on the Prostate—</b>											
<i>Excision—</i>											
Prostatectomy	...	1	20	...	20	21	...	18	...	2	1
<b>Operations on the Vagina—</b>											
<i>Repair—</i>											
Repair vesico vaginal fistula	...	3	...	3	3	...	3	...	...	...	...
<i>Endoscopy—</i>											
Vaginoscopy	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Oviduct—</b>											
<i>Incision—</i>											
Salpingo oophorectomy	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Perineum—</b>											
<i>Incision—</i>											
Perineal drainage	...	2	...	2	2	...	2	...	...	...	...
Incision abscess perineum	...	2	...	2	2	...	2	...	...	...	...
<b>Operations on the Thyroid—</b>											
<i>Excision—</i>											
Excision thyroid adenoma	...	4	...	4	4	...	3	...	1	...	...
Excision thyroid cyst	...	2	...	2	2	...	2	...	...	...	...
Subtotal thyroidectomy	...	7	...	7	7	...	7	...	...	...	...
Hemithyroidectomy	...	4	...	4	4	...	4	...	...	...	...
<b>Operations on the Parathyroid, Pituitary, Pinal, Adrenal and Carotic Glands—</b>											
<i>Suture—</i>											
External carotid ligature	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the structures overlying the Meninges and Brain—</b>											

Name of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained		
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died			
<i>Excision—</i>												
Laminectomy	...	1	10	...	10	11	...	8	...	2	1	...
Hemilaminectomy	...	...	1	...	1	1	...	...	...	...	1	...
<i>Incision—</i>												
Cerebral decompression	...	...	1	...	1	1	...	1	...	...	...	...
<i>Repair—</i>												
Elevation depressed skull	...	...	10	...	10	10	...	9	...	1	...	...
<b>Operations on the brain—</b>												
<i>Introduction—</i>												
Ventriolography	...	...	3	...	3	3	...	3	...	...	...	...
<b>Operations on the peripheral Nerves, Cerebral Nerves and Ganglia—</b>												
<i>Incision—</i>												
Vagotomy	...	1	4	...	4	5	...	5	...	...	...	...
Decompression gasserian ganglion.	...	...	2	...	2	2	...	2	...	...	...	...
<i>Introduction—</i>												
Injection trigeminal ganglion	...	...	1	...	1	1	1	...	...	...	...	...
<i>Excision—</i>												
Phrenic nerveavulsion	...	...	...	...	...	...	...	...	...	...	...	2
Trigeminal ganglionectomy	...	...	2	...	2	2	...	2	...	...	...	...
<b>Operations on the Vegetative Nervous system—</b>												
<i>Incision—</i>												
Sympathctomy cervical	...	...	1	...	1	1	...	1	...	...	...	...
Sympathctomy Dorsal	...	...	1	...	1	1	...	1	...	...	...	...
Sympathctomy Lumbar	...	1	13	...	13	14	...	14	...	...	...	...
Sympathctomy Thoraco lumbar	...	...	2	...	2	2	...	2	...	...	...	...
<i>Destruction—</i>												
Neurolysis	...	...	1	...	1	1	...	1	...	...	...	...
<b>Other Operations—</b>												
Excision Calcaneal spur	...	...	1	...	1	1	...	1	...	...	...	...
Scalence Node Biopsy	...	...	6	...	6	6	...	6	...	...	...	...
Intercostal block	...	...	1	...	1	1	...	1	...	1	...	...
Spinal Manometry	...	...	1	...	1	1	0	0	1	...	...	...
Scalenotomy	...	...	1	...	1	1	...	1	...	...	...	...
Transplantatar Massetes	...	...	2	...	2	2	...	2	...	...	...	...
Cisternal puncture	...	...	1	...	1	1	...	1	...	...	...	...
Costo transversectomy	...	...	1	...	1	1	...	1	...	...	...	...
<b>Total</b>	...	46	1,891	246	2,137	1,937	843	689	289	46	70	2,640

Classifications of operations performed in the Orthopaedic Department of the  
B. Y. L. Nair Ch. Hospital during the year ending 31-12-54

Name of Operations	IN-PATIENTS										OUT-PATIENTS
	Re- mained	No. of OPERATIONS				RESULTS				Re- mained	
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died		
<b>Operations on the Regions of the body</b>											
<i>Incision—</i>											
Incision Abscess	...	7	...	7	7	7	...	...	...	...	1
Aspiration Haemarthrosis	...	8	...	8	8	...	...	8	...	...	3
<i>Excision—</i>											
Ganglion wrist	...	...	...	...	...	...	...	...	...	...	3
<i>Destruction—</i>											
Debridement CLWs	...	29	...	29	29	27	...	...	...	2	2
<i>Manipulation—</i>											
Plastering	...	80	...	80	80	12	18	49	...	1	42
<b>Operations on the Skin and Subcutaneous Areolar Tissues—</b>											
<i>Excision—</i>											
Excision Contracture	...	1	...	1	1	...	...	...	...	...	2
<i>Repair—</i>											
Skin Grafting	...	16	...	16	16	4	7	4	...	1	...
Plastering contracture	...	4	...	4	4	...	...	4	...	...	...
<b>Operations on the Bones—</b>											
<i>Incision—</i>											
Osteotomy	...	15	...	15	15	...	4	11	...	...	...
<i>Excision—</i>											
Excision patella	...	8	...	8	8	...	...	8	...	...	...
Wiring fractures	...	11	...	11	11	...	...	11	...	...	...
Removal sutures	...	6	...	6	6	...	...	6	...	...	...
Scraping Osteomyelitis	...	22	...	22	22	4	7	11	...	...	...
Saucerization Osteomyelitis	...	6	...	6	6	2	2	2	...	...	...
Osteoclasia	...	6	...	6	6	...	6	...	...	...	...
Excision Osteoma	...	2	...	2	2	...	...	1	1	...	...
<i>Repair—</i>											
Smith Pieterston Nailing	...	1	...	1	1	...	...	1	...	...	...
<i>Destruction—</i>											
<i>Reduction and plastering frac- tures—</i>											
Clavicle	...	1	...	1	1	...	...	1	...	...	...
Scapula	...	2	...	2	2	...	...	2	...	...	...
Humeru	...	10	...	10	10	6	4	...	...	...	8
Radius and ulna	...	54	...	54	6	48	...	...	...	...	83
Phalanges of hand	...	2	...	2	2	...	...	2	...	...	13
Femur	...	30	...	30	30	6	20	...	2	2	...
Malleolus	...	1	...	1	1	...	...	1	...	...	...
Tibia and fibula	...	17	...	17	17	6	9	...	1	...	...
Metatarsals	...	1	...	1	1	...	...	1	...	...	2
<i>Open Reduction—</i>											
Clavicle	...	1	...	1	1	...	1	...	...	...	...
Humerus	...	2	...	2	2	...	...	2	...	...	...
Radius and Ulna	...	11	...	11	11	...	9	2	...	...	2
Femur	...	2	...	2	2	...	...	2	...	...	...
Tibia and fibula	...	4	...	4	4	...	...	4	...	...	...
Metatarsals	...	...	...	...	...	...	...	...	...	...	1
<i>Manipulation—</i>											
Plastering fractures	...	34	...	34	...	...	28	6	...	...	40
Replastering	...	8	...	8	8	...	2	6	...	...	10
<i>Others—</i>											
Dressings	...	29	...	29	29	...	23	6	...	...	2
<b>Operations on the Joints, Capsules, Synovial membranes, Cartilages and Ligaments—</b>											
<i>Excision—</i>											
Excision joint	...	2	...	2	2	...	...	2	...	...	...
Excision myositis ossificans	...	2	...	2	2	...	...	2	...	...	...
Excision cartilage	...	1	...	1	1	...	...	1	...	...	...
Synovial biopsy	...	1	...	1	1	...	...	1	...	...	...
<i>Incision—</i>											
Incision pyogenic arthritis	...	1	...	1	1	...	...	1	...	...	...
<i>Repair—</i>											
Arthroplasty	...	3	...	3	3	...	...	3	...	...	...
Arthrodesis	...	4	...	4	4	...	...	4	...	...	...
Capsulorrhaphy	...	1	...	1	1	...	...	1	...	...	...

Name of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained		
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died			
<i>Destruction—</i>												
Reduction ankylosis	...	...	10	...	10	10	...	...	10	...	...	1
Bankarts operation	...	...	1	...	1	1	...	...	1	...	...	...
<i>Operation on the Bursae—</i>												
<i>Excision—</i>												
Excision Bursa	...	...	7	...	7	7	7	...	...	...	...	...
<i>Operations on the Muscles and Tendons—</i>												
<i>Incision—</i>												
Tenotomy	...	...	4	...	4	4	2	2	...	...	...	...
<i>Excision—</i>												
Excision tenosynovitis	...	...	1	...	1	1	...	...	1	...	...	...
<i>Suture—</i>												
Suture tendons	...	...	5	...	5	5	4	...	...	...	1	...
<i>Operations on the extremities—</i>												
<i>Disarticulation—</i>												
Amputations	...	...	17	...	17	17	...	...	16	...	1	6
<i>Other operations—</i>												
Correction talipes equinovarus	...	...	...	...	...	...	...	...	...	...	...	29
Injection hydrocortone	...	...	4	...	4	4	...	...	4	...	...	3
Excision accessory ossicle	...	...	6	...	6	6	...	...	6	...	...	...
Skeletal traction	...	...	3	...	3	3	...	...	2	...	1	...
<b>Total</b>	...	...	504	...	504	504	93	190	208	3	10	253

Classification of operations performed in the Gynaecological Department of the B. Y. L. Nair Ch. Hospital, Bombay 8, during the year ending 31-12-1954.

Nature of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	No. of OPERATIONS				RESULTS				Re- maining	
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died		
<b>Operations on the Regions of the Body—</b>											
<i>Incision—</i>											
Abscess gluteal region	...	...	1	...	1	1	...	...	1	...	...
<i>Excision—</i>											
Lipoma	...	...		...	1	1	...	...	1	...	...
<b>Operation on the breast—</b>											
<i>Incision—</i>											
Breast abscess	...	...	2	...	2	2	...	2	...	...	...
<b>Operations on the Abdomen, Peritoneum and Omentum—</b>											
<i>Incision</i>											
Exploratory laparotomy	...	...	22	...	22	22	...	20	...	1	1
<i>Excision—</i>											
Abdominal hysterectomy	...	...	25	...	25	25	...	12	13	...	...
Fundal hysterectomy	...	...	1	...	1	1	...	...	1	...	...
<i>Suture—</i>											
Resuturing abdomen	...	...	4	...	4	4	...	...	4	...	...
<b>Operations on the Appendix—</b>											
<i>Excision—</i>											
Appendectomy	...	...	10	...	10	10	10	...	...	...	...
<b>Operation on the Ureter—</b>											
<i>Repair—</i>											
Ureteric implantation	...	...	2	...	2	2	...	2	...	...	...
<b>Operations on the Bladder—</b>											
<i>Endoscopy—</i>											
Cystoscopy	...	...	4	...	4	4	...	...	4	...	...
<b>Operations on the Vulva—</b>											
<i>Excision—</i>											
Bartholin's Cyst	...	...	2	...	2	2	...	...	...	...	...
<i>Incision—</i>											
Bartholin Abscess	...	...	1	...	1	1	...	...	...	...	...
<b>Operations on the Vagina—</b>											
<i>Excision—</i>											
Post Calectomy	...	...	2	...	2	2	...	...	2	...	...
<i>Repair—</i>											
Anterior colporrhaphy	...	...	22	...	22	22	...	22	...	...	...
Repair Venco-vaginal fistula	...	...	2	...	2	3	...	2	...	1	...
Repair Recto-vaginal fistula	...	...	1	...	1	1	...	...	1	...	...
<i>Suture—</i>											
Shirodkar's operation	...	...	2	...	2	2	...	...	2	...	...
Le Forte's operation	...	...	2	...	2	2	...	...	2	...	...
<i>Endoscopy—</i>											
Vaginal Cytology	...	...	3	...	3	3	...	...	3	...	...
<i>Other—</i>											
Vaginal Sterilization	...	...	2	...	2	2	...	...	2	...	...
Examination under anaesthesia	...	...	12	...	12	12	...	...	12	...	...
<b>Operations on the Oviduct—</b>											
<i>Incision—</i>											
Salpingectomy	...	...	14	...	14	14	...	14	...	...	...
Salphingo-oophrectomy	...	...	1	...	1	1	...	1	...	...	...
<i>Excision—</i>											
Salphingostomy	...	...	3	...	3	3	...	...	3	...	...
<b>Operations on the ovary—</b>											
<i>Incision—</i>											
Ovarian Cystectomy	...	...	11	...	11	11	...	9	...	1	1
<i>Excision—</i>											
Oophrectomy	...	...	1	...	1	1	...	...	1	...	...
<b>Operations on the cervixuteri—</b>											
<i>Excision—</i>											
Dilatation and curetting with Rubin's test	...	...	74	...	74	74	...	...	74	...	...

Name of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS				RESULTS				Re- mained	
		Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died		
Vaginal hysterectomy	...	25	...	25	25	...	23	...	1	1	...
Dilatation and curetting	3	217	...	217	220	...	...	215	...	5	203
Ventrisuspension	...	46	...	46	46	...	41	...	...	...	...
Rubin's Test	...	...	...	...	...	...	...	...	...	...	113
Biopsy Cervix	...	9	...	9	9	...	...	9	...	...	13
Sub-total hysterectomy	...	4	...	4	4	...	4	...	...	...	...
Myomectomy	...	4	...	4	4	4	...	...	...	...	...
Excision cervical polyp	...	2	...	2	2	...	2	...	...	...	...
Amputation cervix	...	1	...	1	1	...	...	1	...	...	...
Pan hysterectomy	...	5	...	5	5	...	...	5	...	...	...
Excision fibroid cervix	...	2	...	2	2	2	...	...	...	...	...
Wertheim's operation	...	5	...	5	5	...	4	...	1	...	...
Brunschwing's operation	...	3	...	3	3	...	...	3	...	...	...
Cotte's operation	...	3	...	3	3	...	...	3	...	...	...
<i>Incision—</i>											
Incision ganglion cervix	...	...	...	...	...	...	...	...	...	...	1
<i>Introduction—</i>											
Insertion luminariantent	...	3	...	3	3	...	...	3	...	...	...
Radium implantation	...	2	...	2	2	...	...	2	...	...	...
Cauterizat on cervix	...	...	...	...	...	...	...	...	...	...	135
<i>Repair—</i>											
Repair tear cervix	...	3	...	3	3	...	3	...	...	...	...
<b>Operations on the perineum—</b>											
<i>Repair—</i>											
Perineorrhahy	...	5	...	5	5	...	...	4	...	1	...
Repair perineal tear	...	2	...	2	2	...	...	2	...	...	...
Emmet's operation	...	1	...	1	1	...	...	1	...	...	...
<b>Obstetric operations—</b>											
<i>Incision—</i>											
Caesarian section	...	18	...	18	18	...	13	...	1	4	...
Puerperal sterilization	...	94	...	94	94	...	93	...	...	1	...
<i>Other—</i>											
Digital removal placenta	...	1	...	1	1	...	...	1	...	...	...
Craniotomy	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Bladder—</b>											
<i>Incision—</i>											
Cystolithotomy	...	1	...	1	1	...	...	1	...	...	...
Cystostomy	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Intestines (Except Rectum)—</b>											
<i>Excision—</i>											
Hemicolectomy	...	1	...	...	1	...	...	1	...	...	...
<b>Other Gynaec Operations—</b>											
Removal coccyx	...	1	...	1	1	...	...	1	...	...	...
Fothergill's operation	...	2	...	2	2	...	...	2	...	...	...
Biopsy testicle	...	...	...	...	...	...	...	...	...	...	10
<b>Total</b>	<b>5</b>	<b>688</b>	<b>...</b>	<b>688</b>	<b>693</b>	<b>19</b>	<b>267</b>	<b>382</b>	<b>6</b>	<b>19</b>	<b>476</b>

Classification of operations performed in the Ear, Nose & Throat department of the B. Y. L. Nair Ch. Hospital during the year ending 31st December 1954.

Name of Operation	IN-PATIENTS										OUT-PATIENTS	
	NO. OF OPERATIONS					RESULTS				Re- mained		
	Re- mained	Princi- pal	Se- condary	Total	No. of Opera- tion	Cured	Relieved	Other- wise	Died			
<b>Operations on the regions of the Body—</b>												
<i>Excision—</i> Lipoma	...	...	2	...	2	2	2	...	...	...	...	3
<i>Aspiration—</i> Aspiration cold abscess	...	...	1	...	1	1	...	...	1	...	...	...
<i>Endoscopy—</i> Biopsy ear	...	...	1	...	1	1	...	...	1	...	...	...
Biopsy cheek	...	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Bones—</b>												
<i>Excision—</i> Mandibulectomy	...	...	1	...	1	1	...	...	...	...	1	...
Hemi-mandibulectomy	...	...	1	...	1	1	...	...	1	...	...	...
<i>Repair—</i> Elevation depressed Fracture nasal bones	...	...	1	...	1	1	1	...	...	...	...	...
<b>Operations on the Nose—</b>												
<i>Excision—</i> Sub-mucous resection	...	1	172	...	172	173	...	169	...	...	4	...
Turbinectomy	...	2	8	...	8	8	...	8	...	...	...	5
Excision rhinosporidium	...	...	3	...	3	3	...	...	...	...	...	...
Excision rhinoscleroma	...	...	1	...	1	1	...	...	...	...	...	...
Removal foreign body	...	...	4	...	4	4	...	...	...	...	...	8
Biopsy nose	...	...	1	...	1	1	...	...	1	...	...	3
<i>Endoscopy—</i> Cautery	...	...	...	...	...	...	...	...	...	...	...	37
<i>Repair—</i> Ivory grafting	...	...	15	...	15	15	...	15	...	...	...	...
Rhinoplasty	...	...	3	...	3	3	...	3	...	...	...	...
<i>Suture—</i> Suture CLW nose	...	...	1	...	1	1	1	...	...	...	...	...
<i>Other operations—</i> Removal nasal adhesion	...	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the Accessory sinuses—</b>												
<i>Incision—</i> Cold-wet-luc Antrum Puncture	...	...	39	...	39	39	...	38	...	...	1	1,195
<i>Excision—</i> Removal nasal polyp	...	...	1	...	1	1	...	1	...	...	...	25
Frontal sinusotomy	...	...	1	...	1	1	...	...	1	...	...	...
<b>Operations on the larynx—</b>												
<i>Excision—</i> Laryngectomy	...	...	4	...	4	4	...	...	3	1	...	...
Removal polyp vocal cord	...	...	1	...	1	1	...	1	...	...	...	1
Biopsy vocal cord	...	...	...	...	...	...	...	...	...	...	...	3
Biopsy larynx	...	...	...	...	...	...	...	...	...	...	...	6
Removal foreign body larynx	...	...	1	...	1	1	1	...	...	...	...	...
<i>Endoscopy—</i> Laryngoscopy	...	...	2	...	2	2	...	...	2	...	...	10
<b>Operations on the Trachea and Bronchi—</b>												
<i>Incision—</i> Tracheotomy	...	1	10	...	10	11	...	9	1	1	...	2
<i>Endoscopy—</i> Bronchoscopy	...	...	6	...	6	6	...	...	6	...	...	4
<b>Operations on the Pharynx, Adenoids and Tonsils—</b>												
<i>Excision—</i> Tonsillectomy	...	...	470	...	470	470	464	...	...	...	6	...
Tonsillectomy and Adenoidectomy	1	...	455	...	455	456	453	...	...	1	2	...
Biopsy Tonsil	...	...	...	...	...	...	...	...	...	...	...	4
<i>Aspiration—</i> Retropharyngeal abscess	...	...	1	...	1	1	...	...	1	...	...	...

Nature of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS			No. of Opera- tion	RESULTS				Re- main- ing		
		Princi- pal	Se- condary	Total		Cured	Relieved	Other- wise	Die			
<b>Operations on the Lymphnodes—</b>												
<i>Excision—</i>												
Excision Cervical lymphnodes	...	4	...	4	4	4	...	...	...	...	...	
Biopsy Cervical gland	...	2	...	2	2	...	...	2	...	...	3	
<b>Operations on the oral cavity—</b>												
<i>Excision—</i>												
Biopsy tongue	...	1	...	1	1	...	...	1	...	...	...	
Excision dental cyst	...	2	...	2	2	2	...	...	...	...	...	
Relieving tongue tie	...	1	...	1	1	...	1	...	...	...	...	
<b>Operations on the uvula and Palate—</b>												
<i>Incision—</i>												
Uvulectomy	...	...	...	...	...	...	...	...	...	...	4	
<i>Suture—</i>												
Ligature bleeding lower palate	...	1	...	1	1	...	1	...	...	...	...	
<i>Repair—</i>												
Cleft palate	...	1	...	1	1	...	...	...	...	1	...	
<b>Operations on the salivary ducts and glands—</b>												
<i>Excision—</i>												
Excision calculus	...	1	...	1	1	...	...	1	...	...	...	
Sub-mandibular salivary glands	...	...	...	...	...	...	...	...	...	...	...	
<b>Operations on the Oesophagus—</b>												
<i>Endoscopy—</i>												
Oesophagoscopy	...	2	...	2	2	...	...	2	...	...	13	
<i>Repair—</i>												
Oesophageal fistula	...	2	...	2	2	...	2	...	...	...	...	
<i>Excision—</i>												
Foreign body oesophagus	...	1	...	1	1	1	...	...	...	...	13	
<b>Operations on the stomach—</b>												
<i>Repair—</i>												
Gastrostomy	...	2	...	2	2	...	2	...	...	...	...	
<b>Operations on the Abdomen, Peritoneum and Omentum—</b>												
<i>Incision—</i>												
Exploratory Laparotomy	...	1	...	1	1	...	...	1	...	...	...	
<b>Operations of the External Ear—nt</b>												
<i>Excision—</i>												
Excision furuncle ear	...	2	...	2	2	...	...	2	...	...	5	
Excision polyp ear	...	...	...	...	...	...	...	...	...	...	2	
Excision foreign body ear	...	2	...	2	2	2	...	...	...	...	...	
<i>Repair—</i>												
Plastic repair meatus ear	...	2	...	2	2	...	...	2	...	...	5	
Auroplasty	...	...	...	...	...	...	...	...	...	...	...	
<b>Operations on the middle ear—</b>												
<i>Incision—</i>												
Incision Mastoid Abscess	...	1	8	...	8	9	...	4	5	...	...	
<i>Excision—</i>												
Radical Mastoidectomy	...	1	48	...	48	48	...	46	...	...	2	
Conservative Mastoidectomy	...	1	17	...	17	18	...	18	...	...	...	
<i>Repair—</i>												
Secondary Suture	...	1	...	1	1	...	1	...	...	...	...	
Closure auro-antral fistula	...	1	...	1	1	...	1	...	...	...	...	
Repair mastoid fistula	...	1	...	1	1	...	1	...	...	...	...	
<b>Operations on the brain—</b>												
<i>Incision—</i>												
Brain abscess	...	1	...	1	1	...	...	...	...	1	...	
<b>Operations on the Thyroid—</b>												
<i>Excision—</i>												
Thyroglossal cyst	...	1	...	1	1	...	...	1	...	...	...	
Thyroid adenoma	...	...	...	...	...	...	...	...	...	...	...	
<i>Other operations—</i>												
Siallectomy	...	...	...	...	...	...	...	2	...	...	1	
Myringotomy	...	2	...	2	2	...	...	2	...	...	...	
Total	...	5	1,316	...	1,316	1,321	329	321	40	3	18	1,343



Classification of operations performed in the B. Y. L. Nair Ch. Hospital in the Ophthalmic department during the year ending 31 December 1954.

Nature of Operation	IN-PATIENTS										OUT-PATIENTS	
	Re- mained	NO. OF OPERATIONS				No. of Operation	RESULTS					Re- maining
		Princi- pa	Se- condary	Total	Cured		Relieved	Other- wise	Died			
<b>Operations on the Regions of the Body—</b>												
<i>Excision—</i>												
Excision dermoid cyst	...	...	1	...	1	1	...	1	...	...	...	...
Excision sebaceous cyst	...	...	...	...	1	1	...	1	...	...	...	1
Excision Haemangioma	...	...	1	...	1	1	...	1	...	...	...	1
Biopsy	...	...	3	...	3	3	...	3	...	3	...	1
<i>Incision—</i>												
Exploration eye	...	...	1	...	1	1	...	1	...	...	...	...
<b>Operations on the skin and sub-cutaneous arcolar tissues—</b>												
<i>Repair—</i>												
Skin Grafting	...	...	3	...	3	3	...	2	...	...	1	...
<b>Operations on the eye ball—</b>												
<i>Incision—</i>												
Evisceration eye ball	...	...	8	...	8	8	...	8	...	...	...	...
Enucleation eye ball	...	...	4	...	4	4	...	4	...	...	...	...
Paracentesis	...	...	3	...	3	3	...	3	...	...	...	2
<b>Operations on the cornea—</b>												
<i>Repair—</i>												
Keratoplasty	...	...	9	...	9	9	...	8	...	...	1	...
Corneoplasty	...	...	1	...	1	1	...	...	...	...	1	...
<i>Other—</i>												
Cauterization Corneal Ulcer	...	...	...	...	...	...	...	...	...	...	...	2
<b>Operations on the sclera—</b>												
<i>Excision—</i>												
Trephining	...	...	3	...	3	3	...	3	...	...	...	...
Sclerotomy	...	...	1	...	1	1	...	1	...	...	...	...
<i>Repair—</i>												
Scleral suturing	...	...	2	...	2	2	...	2	...	...	...	...
<b>Operations on the iris and ciliary body—</b>												
<i>Excision—</i>												
Iridectomy	...	...	16	...	16	16	...	14	...	...	2	...
Excision Prolapse Iris	...	...	3	...	3	3	...	3	...	...	...	...
<i>Destruction—</i>												
Cyclodialysis	...	...	4	...	4	4	...	4	...	...	...	...
<i>Other—</i>												
Iridenclasis	...	1	31	...	31	32	...	32	...	...	...	...
Cautery Prolapse Iris	...	...	11	...	11	11	...	11	...	...	...	...
<b>Operations on the crystalline lens—</b>												
<i>Incision—</i>												
Needling	...	...	8	...	8	8	...	7	...	...	1	23
<i>Excision—</i>												
Cataract Extra capsular combined.	12	239	...	239	251	...	244	...	...	7	...	...
Cataract Intracapsular combined.	...	46	...	46	46	...	46	...	...	...	...	...
Capsulotomy	...	1	...	1	1	...	1	...	...	...	...	...
<b>Operations on the ocular muscles—</b>												
<i>Incision—</i>												
Correction squint	...	...	3	...	3	3	...	3	...	...	...	...

Nature of Operation	IN-PATIENTS										OUT-PATIENTS
	Re- mained	NO. OF OPERATIONS			No. of Opera- tion	RESULTS				Re- maining	
		Princi- pal	Se- condary	Total		Cured	Relieved	Other- wise	Died		
<b>Operations on the eyelids—</b>											
<i>Incision—</i>											
Incision Ptosis	...	2	...	2	2	...	2	...	...	...	...
<i>Excision—</i>											
Correction entropion	...	6	...	6	6	...	6	...	...	...	15
Correction ectropion	...	3	...	3	3	...	3	...	...	...	...
Excision Pterygium	...	1	...	1	1	...	1	...	...	...	11
Excision Staphyloma	...	6	...	6	6	...	6	...	...	...	...
Excision Growth eyelid	...	1	...	1	1	...	1	...	...	...	...
Expression Trachoma follicles	...	...	...	...	...	...	...	...	...	...	1
<i>Repair—</i>											
Suturing eye-lids	...	3	...	3	3	...	3	...	...	...	...
Plastic repair eye-lid	...	4	...	4	4	...	4	...	...	...	...
<b>Operations on the conjunctive—</b>											
<i>Repair</i>											
Conjunctoplasmy	...	5	...	5	5	...	4	...	...	1	...
<b>Operations on the lacrymal tract—</b>											
<i>Excision—</i>											
Dacryocystectomy	...	6	...	6	6	...	6	...	...	...	30
Scraping Lacrymal Sac	...	2	...	2	2	...	2	...	...	...	...
<i>Repair—</i>											
Dacryocysto rhinostomy	...	6	...	6	6	...	6	...	...	...	8
<i>Other—</i>											
Syringing Sac	...	...	...	...	...	...	...	...	...	...	8
<b>Operations on the Orbit—</b>											
<i>Incision—</i>											
Incision orbital cellulitis	...	1	...	1	1	...	...	...	...	1	...
Orbitotomy	...	1	...	1	1	...	...	...	...	1	...
Total	13	450	...	450	463	...	444	3	...	16	108

Report of the Skin and Venereal Department of the B. Y. L. Nair Charitable Hospital for the year 1954.

Description	Out-patients		In-patients	
	Male	Female	Male	Female
Congenital syphilis	2	...	4	5
Early syphilis	142	4	24	3
Latent Syphilis	...	...	2	...
Syphilis unqualified	234	58	56	1
<b>Total syphilis</b>	<b>378</b>	<b>62</b>	<b>86</b>	<b>9</b>
Acute Gonorrhoea	...	...	3	...
Chronic Gonorrhoea	104	...	1	...
Other Gonococcal infection	20	4	2	1
<b>Total Gonorrhoea</b>	<b>124</b>	<b>4</b>	<b>6</b>	<b>2</b>
Chancroid	231	9	2	1
Other venereal diseases	43	3	13	...
Laprosy	49	16	1	1
Other skin diseases	3,400	1,660	129	14
<b>Grand Total</b>	<b>4,225</b>	<b>1,798</b>	<b>237</b>	<b>27</b>

**B. Y. L. NAIR CHARITABLE HOSPITAL**

**Annual Report of the X-Ray and Electro-therapy Department from 1st January 1953 to 31st December 1954.**

- (1) 3,815 patients' Skiagrams were taken—
  - (a) 1,898 were inpatients (1,083 Males, 458 females, 157 Children).
  - (b) 1,217 were out-patients (1,157 Males, 627 Females, 325 Children).
- (2) 6,570 Fluoroscopic Examinations of chest and foreign bodies were done—
  - (a) 2,501 were inpatients (1,394 Males, 926 Females, 181 Children).
- (3) 351 Barium Meal investigations were done—
  - (a) 139 were inpatients (88 Males, 49 Females, 2 Children).
  - (b) 212 were outpatients (168 Males, 44 Females, ).
- (4) 352 Patients were given Ultra violent radiation—
  - (a) 50 were inpatients (25 Males, 21 Females, 4 Children).
  - (b) 302 were outpatients (58 Males, 52 Females, 192 Children).
- (5) 1,368 patients were given shortwave dathermy—
  - (a) 35 were inpatients (32 Males, 43 Females).
  - (b) 1,293 were outpatients (543 Males, 750 Females).
- (6) 337 patients were given Deep X-Ray treatment—
  - (a) 157 Males, 176 Females, 4 Children).
- (7) 79 patients were given superficial X-Ray treatment—
  - 49 Males, 27 Females, 3 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 1953.*

Clinical Diagnosis	Number of E.C.G.S.
Pain in the chest	258
Palitations	58
Coronary thrombosis	138
Mitral Disease	102
Auricular Fibrillation	18
Tachycardin	28
Hypertension	119
Aortic Disease	40
Congestive cardiac failure	75
Ang na Pectoris	41
Rheumatic Disease	4
Pericarditis	6
Congenital heart disease	2
Hyperthyroidism	3
Miscellaneous	234
<b>Total</b>	<b>1,126</b>

## APPENDIX No. 20

## Department of Pathology and Bacteriology

42030 Laboratory investigations were carried out during the year 1954 (1st January 1954 to 31st December 1954). Investigations are grouped under the following heads:—

I.—Pathological.	II.—Bacteriological.	III.—Biological.	IV.—Biochemical.	
<b>I.—Pathological</b>				
(I) Routine Examination of Urine.				2207
(II) Routine Examination of Blood				
(1) Cytological Examination :				
(a) Complete Cytology	...	...	...	3810
(b) Platelet count & Reticulocyte count	...	...	...	367
(2) Coagulation time of blood	...	...	...	502
(3) Bleeding time of blood	...	...	...	502
(4) Grouping and Matching of blood for transfusion	...	...	...	2249
(5) Sedimentation Rate	...	...	...	1657
(6) Fragility Test	...	...	...	10
(7) Detection of Malarial Parasites	...	...	...	25
(8) Sternal marrow	...	...	...	191
(9) Clot Retraction	...	...	...	11
(10) Packed cell Volume and M.C.D.	...	...	...	175
(III) Examination of Faeces	...	...	...	3976
Examination of Faeces for Occult blood	...	...	...	3976
(IV) Examination of Sputum	...	...	...	2301
(V) Examination of Puncture fluid :				
(a) Cerebro-spinal fluid	...	...	...	1285
(b) Pleural fluid	...	...	...	131
(c) Ascitic fluid	...	...	...	126
(d) For Malignant cells	...	...	...	70
(VI) Semen Examination	...	...	...	284
(VII) Histological Examination of Surgical tissues	...	...	...	1704
(VIII) Total number of Post-mortem blocks	...	...	...	931
<b>II.—Bacteriological</b>				
(I) Urine culture Examination	...	...	...	151
(II) Blood :				
(a) Culture Examination	...	...	...	215
(b) Clot culture Examination	...	...	...	421
(c) Serological Examination :				
(1) Widal Reaction	...	...	...	433
(2) Wassermann reaction C.S.F.	...	...	...	211
(3) Kahn test	...	...	...	6546
(4) Weil Felix reaction	...	...	...	291
(5) Agglutination test against Brucella group	...	...	...	12
(6) Cold Agglutination test	...	...	...	20
(7) Paul Bunnell test	...	...	...	3
(III) Faeces :				
(1) Cultural Examination	...	...	...	91
(IV) Puncture fluid-cultural Examination :				
(1) Cerebro-spinal fluids	...	...	...	26
(2) Pleural fluids	...	...	...	48
(3) Ascitic fluids	...	...	...	18
(4) Peritoneal fluids	...	...	...	5
(5) Other aspirated fluids	...	...	...	15
(6) Pericardial fluids	...	...	...	10
(V) Microscopic and Cultural Examination of—				
(1) Pus	...	...	...	75
(2) Nasal Swab	...	...	...	109
(3) Throat Swab	...	...	...	156
(4) Tongue Swab	...	...	...	3
(5) Ear Swab	...	...	...	7
(6) Eye Swab	...	...	...	1
(7) Lip Swab	...	...	...	6

(8) Vaginal Swab ...	...	...	...	...	...	5
(9) Rectal Swab ...	...	...	...	...	...	14
(10) Cervical Swab ...	...	...	...	...	...	2
(11) Swab from Tonsil	...	...	...	...	...	3
<b>(VI) For M. tuberculosis :</b>						
(1) Sputum ...	...	...	...	...	...	4
(2) Urine ...	...	...	...	...	...	3
(3) Pleural fluids ...	...	...	...	...	...	14
(4) Pus ...	...	...	...	...	...	11
(5) C. S. Fluid ...	...	...	...	...	...	4
(6) Ascitic fluid ...	...	...	...	...	...	1
(7) Peritoneal fluid	...	...	...	...	...	2
(8) Fluid from knee joint	...	...	...	...	...	1
(9) Pericardial fluid	...	...	...	...	...	1
<b>(VII) Examination for the presence of Micro-organism Smears (Microscopy) :</b>						
(1) Swab from lip	...	...	...	...	...	4
(2) Swab from tonsil	...	...	...	...	...	3
(3) Ear swab ...	...	...	...	...	...	6
(4) Swab from Bronchus	...	...	...	...	...	1
(5) Formal gel test	...	...	...	...	...	53
(6) Urethral Smears	...	...	...	...	...	20
(7) Prostatic Smears	...	...	...	...	...	13
(8) Pus Smears ...	...	...	...	...	...	16
(9) Cervical Smears	...	...	...	...	...	29
(10) Vaginal Smears	...	...	...	...	...	16
(11) Nasal Scrapings for M. leprae	...	...	...	...	...	3
(12) Smears from Eye	...	...	...	...	...	1
(13) Mastoid abscess Smear	...	...	...	...	...	1
(14) Smear from vulva	...	...	...	...	...	1
(15) Bartholin's cyst Smear	...	...	...	...	...	1
(16) Tongue Swab	...	...	...	...	...	2
(17) Smears for L. D. Bodies	...	...	...	...	...	10
<b>(VIII) Preparation of Autovaccine</b>	...	...	...	...	...	10

### III—Biological

(I) Casoni's Test	...	...	...	...	...	5
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### IV—Biochemical

#### (I) Urine

(1) Determination of diastase Index	...	...	...	...	...	54
(2) Creatine and Creatinine	...	...	...	...	...	1
(3) Chloride	...	...	...	...	...	24
(4) Urine and Blood Kepler's test	...	...	...	...	...	1
(5) Urobilinogen	...	...	...	...	...	81
(6) Urea Concentration	...	...	...	...	...	281
(7) Ben. J. Protein Test	...	...	...	...	...	2
(8) O. azon	...	...	...	...	...	1
(9) Sugar %	...	...	...	...	...	1
(10) Albumin %	...	...	...	...	...	1

## (II) Blood—

## (1) Determination of Chemical Constituents—

(a) Total proteins ... ..	489
(b) Albumin ... ..	287
(c) Globulins ... ..	287
(d) Urea Nitrogen ... ..	730
(e) Calcium ... ..	47
(f) Sodium ... ..	79
(g) Potassium ... ..	71
(h) Iron ... ..	240
(i) Cholesterol ... ..	159
(j) Inorganic Phosphorous ... ..	364
(k) Acid Phosphatase ... ..	27
(l) Alkaline Phosphatase ... ..	335
(m) Chlorides ... ..	5
(n) Bilirubin ... ..	176

## (2) Other tests— ... ..

(a) Ven dan Bergh and Icterus Index ... ..	3
(b) Blood Sugar tolerance curve ... ..	30
(c) Urea clearance ... ..	111
(d) Cephalin Cholesterol ... ..	159
(e) Serum diastase ... ..	44
(f) Prothombin time and Concentration ... ..	767
(g) Blood Sugar (Fasting) ... ..	235
(h) N. P. N. ... ..	4
(i) Uric Acid ... ..	5
(j) Congo Red Test ... ..	1

## (III) Cerebrospinal fluid determination of Chemical Constituents—

(a) Chlorides and Sugar ... .. 873

(b) Proteins ... .. 1

(IV) Analysis of gastric contents... .. 829

(V) Stool for fat estimation ... .. 2

## Autopsy Section

199 autopsies were performed during the year 1954.

Laboratory investigations carried out for the N. H. Dental College and I.C.M.R. Unit are included in this statement.

## APPENDIX '21'

## Poor Patients' Fund

## Poor Patients' Fund Statement of Accounts for the year 1954-55

RECEIPTS.				DISBURSEMENTS.			
	Rs.	a. p.		Rs.	a. p.	Rs.	a. p.
Collection from outdoor and ward boxes ... ..	15,088	1 6				Blood transfusions ... ..	6,654 0 0
Donation ... ..	1,136	6 0				Purchase of costly medicines, injections, etc. ... ..	368 6 6
Interest ... ..	636	12 0				Printing and Stationery Charges ... ..	77 2 0
Contribution towards blood transfusion, etc. ... ..	4,319	0 0				Moiety amount to Resident Medical Officer ... ..	2,009 0 0
Collection of account of Medical certificates ... ..	3,994	0 0				Travelling charges ... ..	25 1 0
Miscellaneous Receipts ... ..	653	0 0				Supply of spectacles to the poor patients ... ..	87 4 0
			25,827	3 6		Purchase of instruments and dead stock ... ..	202 5 0
Cash in hand on 31-3-1954 ... ..	29	3 0				Establishment charges ... ..	323 15 0
Cash with the Central Bank of India ... ..	16,224	10 3				Miscellaneous charges ... ..	956 12 3
			16,253	13 3			10,703 13 9
						Purchase of 4 per cent. Bombay Municipal Debentures for the face value of Rs. 10,000 ... ..	9,975 0 0
							9,975 0 0
						Cash in hand on 31-3-1955 ... ..	73 4 0
						Cash with the Central Bank of India ... ..	21,328 15 0
							21,402 3 0
			42,081	0 9			42,081 0 9

## APPENDIX 22

*Balance Sheet of the Nair Hospital Poor Patients' Fund*

LIABILITIES.				ASSETS.						
	Rs.	a. p.	Rs.	a. p.		Rs.	a. p.	Rs.	a. p.	
Fund account Balance on 31-3-1954	76,001	10	0		Balance in hand on 31-3-1955	...	73	4	0	
Excess of receipts over expenditure.	15,123	5	9		Balance with Central Bank of India on 31-3-1955.	21,323	15	0		
			<u>91,124</u>	<u>15</u>	<u>9</u>			<u>21,402</u>	<u>3</u>	<u>0</u>
					National Saving Certificates	...	30,000	0	0	
					Purchase of 4 per cent. Bombay Municipal Debenture Rs. 29,500.	23,747	12	9		
					Do. do.	...	9,975	0	0	
								<u>29,747</u>	<u>12</u>	<u>9</u>
								<u>9,975</u>	<u>0</u>	<u>0</u>
			<u>91,124</u>	<u>15</u>	<u>9</u>			<u>91,124</u>	<u>15</u>	<u>9</u>

# 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 Dean throughout the year. There were 8 Dental Surgeons with foreign qualifications, 11 Medical Lecturers, 14 Medical Demonstrators, 39 Dental Lecturers, Demonstrators and Clinical Assistants, Physical Instructor and one Artist on the Staff. All this staff was on part-time basis 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). Since June 1954 the College is affiliated to the Bombay University for B.D.S. Degree in Dentistry.

During the year under report there were 137 students including 19 ladies on the roll. The Diploma Examination was held in May 1954 and 22 students including 3 ladies who appeared for the examination passed and received the College Diploma.

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., were done by charging fees as laid down by the Corporation. The College has an Academic Council to look after the Academic affairs of the College. There is also an Advisory Dental 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.

The College had in its new building 87 Dental Chairs, 46 Dental Units, 2 Dental X-Ray Machines and other equipment to give dental treatment on most modern lines.

During the year under report, the following prominent persons visited the College.

- (1) Sir Cecil Wakely, President of the Royal College of Surgeons, England.
- (2) Shri A. D. Mukerji, Health Minister Government of West Bengal.
- (3) Dr. R. Ahmed, Minister of Agriculture with the Government of West Bengal and Father of Dental Education in India.
- (4) Dr. N. N. Bery, Hon. Dentist to the President of India.
- (5) Dr. W. Balendra of Ceylon, Head of Dental Institute, Colombo.
- (6) Dr. R. Prakash of Dehradun, President of All India Dental Association.
- (7) Dr. I Hirschfeld, Professor Columbia University, U. S. A.
- (8) Dr. U. S. Malik Principal, Calcutta Dental College and Hospital, Calcutta.

The College Students' Annual Social Gathering was held in Bengali Parsi Girls' High School Hall. It was presided over by Shri Mangaldas Pakwasa, Ag. Governor of Bombay, and prizes were distributed to the winners in the Annual Sports by Shri Shantilal H. Shah, Labour and Health Minister, Bombay State.

### Students on the Roll

Class.	Males.	Females.	Total.
1st L.D.Sc.	50	5	55
2nd L.D.Sc.	22	3	25
3rd L.D.Sc.	24	8	32
Final L.D.Sc.	22	3	25
	118	19	137

### Resume of work done in the Clinics

The total number of patients treated during the year under report was 64,154 (both in the morning and evening clinics) which included, males—36,952, females—18,139 and children 9,063. Details of work done, operations performed, etc., are given in Appendices 'A' and 'B' respectively.

#### • APPENDIX A

#### Work done in the Clinics

Full denture sets	271	Root canal treatment	65
Partial sets	197	Consultation and advice	16,199
Repairs of sets	102	Medications	932
Gold Bridges and Inlays	42	Extractions under Local Anaesthesia.	23,529
Acrylic Crowns	42	Surgical extractions of root	3,038
Silver fillings	2,205	Extractions under General Anaesthesia	2,500
Zinc Oxide fillings	1,726	Abscess treatment	131
Cement fillings	114	Alveolectomy	48
Prophylaxis and Pyorrhoea treatment	5,327	Surgical removals of impacted teeth	48
Dressings	503	Orthodontia treatment (regulations of teeth of children)	3,714
Dental X-ray	2,242		
Gingivectomy	103		



**APPENDIX B**  
**Operations performed in the Oral and Plastic Surgery Department**

	No. of operations.
1 Repair of cheek following mandibulectomy for cancer	3
2 Repair for facial paralysis	4
3 Repair of partial loss of nose	4
4 Repair of neck contractures due to burn	...
5 Fracture of the angle of mandible	...
6 Repair of cleft lip	...
7 Repair of cheek for carcinoma completed	...
8 Extensive dentigerous cyst mandible	...
9 Scar Removal Cheek	...
10 First stage of Hypospadias	...
11 Second stage burn contracture of the neck	...
12 Extensive adamantollas toma mandible	...
13 Small salivary calculus removed from stensons Duct	...
14 Sub-mandibular gland excised	2
15 Abrasive Surgery for burns of the cheek	...
16 Scalp flap raised for repair of cheek for carcinoma of the buccal mucosa	...
17 Reconstruction of ear lobule first stage	...
18 T. B. Gland resected (Sub maxillary)	...
19 Oro-oral fistula	...
20 Cheek repaired after hemimandibulectomy, for cancer mandible	...
21 Nasal-Plasty	...
22 Second stage of repair of ear-labule	...
23 Sebaceous cyst from chavical region	...
24 First stage of prognathism of the mandible	...
25 Skin graft burns face	...
26 Plastic repair—Cheek for Carcinoma	...
27 T. B. Cervical glands excised	...
28 Plastic repair of upper lip first-stage	...
29 Bone graft to nose iliac crest	...
30 T. B. cervical glands excised	...
31 Skin graft on head	...
32 Plastic repair of the lip 2nd stage	...
33 Plastic repair of nose	...
34 Repair of cleft lip	...
35 Dentigerous cyst	...
36 Plastic repair of the lower jaw for prognathism second stage	...
37 Plastic repair for facial Paralysis with facia lata	...
38 Operation of inner canthus of the right eye forecontracture	...
39 Bone Graft to nose from illium	...
40 Ptosis of upper right eyelid	...
41 Dentigerous cyst upper incisor area extending into the antrum	...
42 Dental cyst upper incisors	...
43 T. B. glands—sub-maxillary and sub-lingual	...
44 Extensive osteomyelitis mandible	...
45 Bilateral—hare-lip	...
46 Anterior deviation septum, nose—submucous resection	...
47 Extensive dental cyst left antrum	...
48 Extensive Burns scar exci-ion and primary suturing sub-mandibular region	...
49 Extensive burns contracture lower lip-excision and repair	...
50 T. B. Glands removed	...

During the year under report a total revenue of Rs. 78,824-0-0 was collected by way of fees from students and patients as against Rs. 73,221-0-0 during the preceding year. The total expenditure incurred came to Rs. 1,16,637-0-0 as against Rs. 1,63,578 during the preceding year.

**Poor Box Fund**

During the year under report 81 sets of upper and lower Artificial teeth, 42 partial sets of teeth, Repair of 19 sets of teeth, 2,976 sulphur Tablets and 931 Penicilin Injections were given to poor deserving patients from the fund.

**Statement of Account for the year 1954-55**

Receipts.	Rs. a. p.	Disbursements.	Rs. a. p.
By Balance in hand on 1st April 1954 ...	Nil.	To supply the costly medicines and in-	
		jections to the patients ...	4,695 3 9
By Balance in the Central Bank of India	2,534 5 1	Purchase of equipment for the College...	619 14 0
By Charity Box collection of the	6,376 9 9	Purchase of X-ray films solution etc....	2,837 2 3
various departments during the			
year under report			
By sale of Students Registers to the	167 8 0	Establishment Charges ...	122 0 0
Students.		Cash in hand on 31st March 1955 ...	554 11 0
		Cash in Central Bank of India	249 7 10
	9,078 6 10		9,078 6 10

## Balance sheet of the Nair Hospital Dental College.

## Poor Box Fund.

Liabilities,	Rs. a. p.	Assets	Rs. a. p.
Fund account balance on 31st March 1954	2,534 5 1	Balance in hand	554 11 0
Less excess of expenditure over income	1,730 2 3	Balance in Central Bank of India	249 7 10
	<u>804 2 10</u>		<u>804 2 10</u>

## List of the teaching staff.

## Dean

- (1) Dr. V. M. Desai, D.D.S., F.D.S., R.C.S. (Eng.), F.D.S., R.C.S. (Edin.), F.I.C.D., F.A.I.D., Dean and Superintendent of the Dental College and Hospital.
- (2) Dr. H. D. Merchant, D.M.D., F.I.C.D., Vice-Dean.

## Prosthetic and crown and Bridge Department.

- (1) Dr. F. S. Mehta, L.D.Sc., D.M.D., F.I.C.D., Head of the Prosthetic and Crown and Bridge Department, Professor in Dental Prosthesis, Evening Superintendent and Head of the Research Department.
- (2) Dr. C. B. Shroff, M.B.B.S., B.D.S., Lecturer and Demonstrator in Dental Prosthesis.
- (3) Dr. H. H. Thakor, 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. Vasavada, L.D.Sc., Demonstrator in Dental Prosthesis.
- (7) Dr. N. B. Javle, L.D.Sc., Demonstrator in Dental Prosthesis.
- (8) Dr. B. S. Kapadia, L.D.Sc., Demonstrator.
- (9) Dr. (Kumari) R. J. Ezekiel, L.D.Sc., Clinical Assistant, Dental Prosthesis. Period 1st April 1954 to 15th July 1954.  
Dr. B. C. Shroff, L.D.Sc., B.D.S. Clinical Assistant Dental Prosthesis 27th September 1954 to 31st March 1955.
- (10) Dr. (Kumari) M. A. Barreto, L.D.Sc., Demonstrator in Dental Prosthesis. From 1st April 1954 to 15th August 1954.  
Dr. J. R. Kulkarni, L.D.Sc., Demonstrator in Dental Prosthesis. From 27th September 1954 to 31st March 1955.
- (11) Dr. B. R. Hegde, L.D.Sc., Demonstrator in Prosthesis and Crown and Bridge Department.
- (12) Dr. A. D. Daruwalla, L.D.Sc., Demonstrator in Prosthesis Department.
- (13) Dr. A. R. Pinto, L.D.Sc., Demonstrator, Crown and Bridge Department.
- (14) Dr. C. B. Daruwalla L.D.Sc., Clinical Assistant, Dental Prosthesis.

## Operative Department.

- (1) Dr. V. M. Kher, D.D.S., L.D.Sc., L.D.S.R.C.S. (Eng.), F.I.C.D. Head of the Operative Department and Professor in Operative Dentistry, Preventive Principles in Dentistry, Practice Management, Pre-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. A. Oliver, L.D.Sc., Demonstrator in Oral Anatomy.
- (5) Dr. (Kumari) M. A. R. Borgs, L.D.Sc., Demonstrator in Operative Dentistry. Dr. E. J. D'Souza, L.D.Sc., From 27th September 1954 to 31st March 1955.
- (6) Dr. (Kumari) J. Lawrence, L.D.Sc., Clinical Assistant in Operative Dentistry. From 1st April 1954 to 7th September 1954.  
Dr. V. K. Ravat, B.Sc., L.D.Sc., Clinical Assistant in Operative Dentistry. From 27th September 1954 to 31st March 1955.
- (7) Dr. P. H. Bhattiwalla, L.D.Sc., Demonstrator in Operative Dentistry.
- (8) Dr. S. S. Sheth, L.D.Sc., Demonstrator in Operative Dentistry.
- (9) Dr. N. A. Piroshaw, L.D.Sc., Demonstrator in Operative Dentistry.  
Dr. L. F. Cardoza, L.D.Sc., (1st July 1954 to 31st March 1955).
- (10) Dr. A. D. Costa, Demonstrator Operative Laboratory.
- (11) Dr. (Kumari) Meena Lalwani clinical Assistant, Operative Department.

## Orthodontia Department

- (1) Dr. H. D. Merchant, D.M.D., F.I.C.D., Vice-Dean and Head of the Orthodontia Department and Professor in Orthodontia.
- (2) Dr. S. M. Mirim, 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) Dhun Contractor, L.D.Sc., Demonstrator in Orthodontia.
- (5) Dr. (Kumari) R. R. Kamath, L.D.Sc., Demonstrator in Orthodontia.
- (6) Dr. P. M. Patel, L.D.Sc., Demonstrator in Orthodontia. From 1st April 1954 to 29th August 1954.  
Dr. A. G. Dalvi, B.Sc., L.D.Sc., Demonstrator in Orthodontia. (27th September 1954 to 31st March 1955).
- (7) Dr. P. R. Manjrekar, 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. Rut, L.D.Sc., F.I.C.D., 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 Anaesthetic to Oral Surgery Department.
- (4) Dr. H. A. Soonawalla, L.D.Sc., Clinical Assistant in Oral Surgery Department. (1st April 1954 to 11th October 1954).  
Dr. R. C. Arora, L.D.Sc., Clinical Assistant in Oral Surgery Department. (27th September 1954 to 31st March 1955).
- (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. Ginwalla, D.D.S., L.D.S., R.C.D.S., F.I.C.D. Head of the Periodontia Department, and Professor in Periodontia.
- (2) Dr. (Kumari) A. Panthaki, L.D.Sc., Clinical Assistant, Periodontia Department.
- (3) Dr. S. B. Sathe, B.D.S., L.D.Sc. Clinical Assistant 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 and 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. Parse, M.D., Demonstrator in General Medicine. (1st April 1954 to 31st August 1954).  
Dr. N. C. Amin, M.D., Demonstrator in General Medicine. (6th September 1954 to 31st March 1955.)

#### General Materia Medica and Pharmacology.

- (1) Dr. U. K. Sheth, M.D., Lecturer in General and Dental Materia Medica Pharmacology and Dental Therapeutics.
- (2) Dr. K. H. Gharat, M.B.B.S., Demonstrator, Materia Medica and Pharmacology.
- (3) Dr. F. Amral, M.B.B.S., Demonstrator, Materia Medica and pharmacology. (1st April 1954 to 25th February 1955).  
Dr. M. S. Kekre, M.B.B.S., Demonstrator in Materia Medica and Pharmacology. (6th September 1954 to 31st March 1955.)

#### General Pathology Department.

- (1) Dr. L. Monteiro, M.D., Honorary Pathologist and Lecturer in General Pathology. (1st April 1954 to 24th March 1955).  
Dr. K. Raman, M.D., Acting Honorary Pathologist and Lecturer in General Pathology. (25th March 1955 to 31st March 1955.)
- (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. (1st April 1954 to 24th March 1955).  
Dr. M. V. Sant, M.D., Acting Lecturer in Dental Bacteriology.
- (2) Dr. S. N. Kothare, B.Sc., M.D., Demonstrator, General Bacteriology.

#### Histology Department.

- (1) Dr. I. K. Ramchandani, B.Sc., M.D., Lecturer in General and Dental Histology. (1st April 1954 to 20th June 1954).  
Dr. E. J. D'Souza, M.D., Lecturer in General and Special Histology. (21st June 1954 to 31st March 1955.)
- (2) Dr. R. V. Waingankar, M.B.B.S., Demonstrator, Histology and Physiology. (1st April 1954 to 20th June 1954.)
- (3) Dr. M. G. Naik, M.B.B.S., Demonstrator, Histology.

#### 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.
- (3) Dr. P. S. Hailgol, M.B.B.S., Demonstrator, General and Special Anatomy. (1st April 1954 to 22nd June 1954).  
Dr. G. G. Bhure, M.B.B.S., Demonstrator, General and Special Anatomy.
- (4) Dr. S. A. Mehendale, M.B.B.S., Demonstrator, General and Special Anatomy.

#### Radiology Department.

- (1) Dr. G. H. Nerurkar, M.B.B.S., Lecturer in General and Dental Radiology.
- (2) Dr. (Smt.) P. M. Mantri, L.D.Sc., Demonstrator, Radiology.
- (3) Dr. L. G. Shirwotkar, B.D.S., Demonstrator, Radiology Department.

#### Physiology Department

- (1) Dr. T. H. Rindani, M.D., Lecturer in General and Special Physiology.
- (2) Dr. R. V. Waingankar, M.B.B.S., Demonstrator, Physiology. (21st June 1954 to 31st December 1954)
- (3) Dr. V. A. Rane, M.D., F.C.P.S., Demonstrator, Physiology. (1st April 1954 to 31st December 1954.)  
Dr. J. V. Bhatt, M.B.B.S., Demonstrator in Physiology. (1st January 1955 to 31st March 1955.)

**Bio Chemistry and Metallurgy.**

- (1) Professor Narayan Rao, M.Sc., Lecturer in Bio-Chemistry and Metallurgy.
- (2) Dr S H Sheth, M.B.B.S., Demonstrator, Bio-Chemistry and Metallurgy
- (3) Dr V S Randive, M.B.B.S., Demonstrator, Bio-Chemistry and Metallurgy (1st April 1954 to 30th June 1954)
- (4) Dr. I. K. Ramchandani, B.Sc., M.D., Demonstrator in Bio-Chemistry and Metallurgy. (1st July 1954 to 31st March 1955.)

**Jurisprudence, Ethics and Economics.**

- (1) Dr. M. K. Patel, D.D.S., Dr. Med. Dent. F.I.C.D., 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. DeSa, D.D.S., F.I.C.D., Professor of Operative Dentistry.
- (2) Dr. D. J. D'Limbo, L.D.S., R.C.S., Professor of Dental Pathology.

# Municipal General Hospital, Sion, and Annapurna bai Deshmukh Hospital for Women

## Administration Report for the year 1954-55

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., resigned his post as Assistant Medical Officer from 1st May 1952 and Dr. V. S. Shevade, Casualty Officer, was appointed as Acting Assistant Medical Officer from the same date. The names and designations of other Medical staff are given in Appendix No. 16.

Departments of Skin and Venereal Diseases and Ophthalmology were started from 1st July 1954 and following Honorary staff was appointed, from the same date.

(1) Dr. T. K. Mehta, M.B.B.S., F.C.P.S., D.V.D.

... Honorary Dermatologist.

(2) Dr. M. D. Joglekar, B.Sc., M.B.B.S., D.O., D.O.M.S.

... Honorary Ophthalmic Surgeon.

### 2. Distribution of beds was as under:—

#### 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

#### Part Paying Beds

Department.	Male.	Female.	Children.	Total
Medical and Surgical	25	12	...	37
Gynaecological and Maternity	...	13	...	13
	25	25	...	50

Non Paying Beds ... 250

Paying Beds ... 50

Total Scheduled strength ... 300 beds.

3. *Casualty Department.*—17,300 accidents and other emergency cases were treated in the Casualty Department during the year under report.

4. *Minor Surgery Department.*—7,484 Minor operations were performed in the Minor Surgery Department.

5. The total number of patients admitted during the year was 15,528 as against 14,018, 12,002 and 9,426 during the year 1953, 1952, and 1951, 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 Departments is given in Appendix 17.

8. *Paying Patients.*—This scheme was given effect to from 1st September 1951, Rs. 10 and Rs. 5 per patient per day being charged for the use of a special rooms and General Paying Ward respectively. The number of paying patients admitted during the year under report was as under—

	1952.	1953.	1954.
(1) General Paying Ward and Special Room	921	1,337	1,413
The number of operations performed on the paying patients.—			
(1) Minor Operations	119	189	298
(2) Major Operations	177	238	175

9. Out of 15,837 (15,528 new admissions plus 309 remained on 1st January 1954) in-patients treated during the year, 9,769 were treated for medical and surgical complaints and 6,068 were treated at the "Annapurnabai Deshmukh Hospital for Women" for deliveries and Gynaec complaints as shown below:—

	Cured.	Relieved.	Otherwise.	Delivered	Left	Died.	Remained on 31-12-1954.
Municipal General Hospital, Sion-Medical and Surgical Departments.	4,365	3,113	1,046	...	...	949	296
Annapurnabai Deshmukh Hospital for Women, Gynaec and Maternity Departments.	554	236	71	4,320	790	11	86
Total ...	4,919	3,349	1,117	4,320	790	960	382

In addition to 960 deaths amongst the adults, mentioned above, there were 414 deaths due to prematurity still-births and other causes amongst infants bringing the total number of deaths to 1374.

Out of 1,374 deaths, 471 took place within 24 hours of admission, 171 after 24 hours but within 3 days of admission and 414 were due to still-births, prematurity and other causes of infant mortality and the remaining 372 died after 3 days of admission in the hospital.

The highest out-patients attendance on a single day was 2,452 and that of in-patients was 426.

10. The following work was done in the X-Ray Department during this year is shown in appendix No. 18.

#### Department of Electro-Cardiography

11. 171 Electro-cardiographic tracings were taken on in-patients as well as on-out-patients during the year under report as shown in Appendix 13.

#### Department of Pathology

12. The Pathological and Bacteriological investigations of 44,791 were carried out on in-door patients and 27,215 on out-door Patients and 197 outopsies were performed.

#### Research Department

13. Enquiry into the problem of Anaemia was continued and 4140 patients were investigated for Anaemia.

#### Department of Anaesthesia

14. The department of Anaesthesia is working in close collaboration with the department of surgery midwifery and gynaecology.

During the year 1954, the total number of cases that received Anaesthesia were 3347. Out of which, 1810 cases received the regional anaesthesia, 861 cases endotracheal anaesthesia, 360 cases intravenous anaesthesia and 316 cases received the open drop Ethylchloride ether anaesthesia.

#### Library

15. 65 recent additional books on all subject were purchased during the year bringing the total to 422 books. 34 Medical journal were subscribed for during the year.

#### Poor Box Fund

16. The amount in the Poor Box Fund as on 31st March 1954 stood at Rs. 74,803-8-9. Collections from the Poor Boxes, Donations, sales of drugs and injections and other miscellaneous receipts during the year amounted to Rs. 34,686-7-3 and Expenditure to Rs. 24,540-15-6. The amount in the Poor Box Fund as on 31st March 1955 stood at Rs. 84,949-0-3.

Radium treatment was given to 16 patients during the year.

A free donation of 4 sets of Blood Plasma per month continued to be received during the year from the Director, Haffkine Institute, Parel, Bombay 12.

#### Nurses Training School in Midwifery

17. 28 students were admitted for the course of training in midwifery and appeared for the examination during the year under report. All were declared successful.

#### Social Activities

18. The "7th Anniversary" of the institution was celebrated on 24th April 1954 when a "Variety Entertainment Programme including Marathi Drama" was arranged by the staff of this hospital. Shri P. R. Nayak, M.A., I.C.S., Municipal Commissioner of Greater Bombay, presided over the function.

#### Municipal General Hospital, Sion Works Committee

19. During the year one meeting of the hospital Works Committee was held.

#### Hospital Practice

20. Under Corporation Resolution No. 1017, dated the 14th December 1953, post-graduate candidates have been permitted to do hospital practice on payment of schedule fee of Rs. 15 per mensem. It was given effect to from 1st June 1953.

#### Recognition of Municipal General Hospital, Sion, for teaching post-graduate and undergraduate students

21. The M. G. Hospital, Sion, is affiliated to the University of Bombay and to the College of Physicians and Surgeons of Bombay for post-graduate as well as undergraduate students. This hospital has been attached to the Topiwala National Medical College for clinical instructors to the under-graduate students.

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1	Summary of in-patients admitted (classified according to the departments and Sex).
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"
6	Summary of Operations performed in the "Annapurnabai Deshmukh Hospital for Women" (Classified according to the nature and results).
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8	Statement showing Pathology Investigations done on In-patients.
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14	Statement showing Accounts of the Poor Box Fund.
14A	Balance Sheet of the Poor Box Fund.
15	List of the Donors.
16	List of Medical Department.
17	Summary of In-patients and Out-patients Department.
18	Work done the in X-Ray Department.

## APPENDIX No. 1.

*Summary of In-patients admitted during the year 1954 at the Municipal General Hospital,  
Sion classified according to Departments and Sex.*

Department.	Sex.	Admitted during 1954.
Medical	Adults—Male	2,335
	—Female	1,333
	Children—Male	967
	—Female	709
		5,344
Surgical	Adults —Male	2,479
	—Female	751
	Children—Male	429
	—Female	527
		4,186
Gynaecological	Female —Adults	969
	Children	11
		980
Obstetric	Female	5,018
		5,018
Total ...		15,528

## APPENDIX No. 2.

*Summary of Out-Patients classified according to Departments and the Sex for the year 1954.*

Department.	Sex.	O.P.D. New Cases.	O.P.D. old cases.	Total.	Casualty Cases.	
Medical	Adults ...	Male ...	16,573	56,288	72,861	1,725
		Female ...	9,035	41,430	50,465	97
	Children-	Male ...	5,653	28,927	34,580	61
		Female ...	4,516	23,105	27,621	58
		Total ...	35,777	1,49,750	1,85,527	1,941
Surgical	Adults ...	Male ...	15,691	29,027	74,718	11,490
		Female ...	5,490	29,149	34,639	2,280
	Children-	Male ...	2,985	16,908	1,9893	588
		Female ...	2,074	12,782	14,856	980
		Total ...	26,240	1,17,866	1,44,106	15,338
Gynaecological	Adults ...	Female ...	3,984	23,157	27,141	...
	Children-	Female ...	9	...	9	11
		Total ...	3,993	23,157	27,150	9
Obstetrical	Female ...	6,510	29,192	35,702	3	
E. N. T.	Adults ...	Male ...	902	6,112	7,014	2
		Female ...	667	3,783	4,450	...
	Children-	Male-Children ...	529	4,194	4,723	4
		Female-Children ...	437	2,872	3,309	1
		Total ...	2,535	15,961	19,496	7
Ophthalmic	Adults ...	Male ...	742	3,282	4,024	
		Female ...	487	2,102	2,589	
	Children-	Male ...	226	1,872	2,098	
		Female ...	218	1,665	1,883	
		Total ...	1,673	8,921	10,594	
Skin	Adults ...	Male ...	424	941	1,365	
		Female ...	279	544	823	
	Children-	Male ...	190	465	655	
		Female ...	97	359	456	
		Total ...	990	2,309	3,299	
Grand Total ...	...	77,718	3,48,156	4,25,874	17,300	

Daily average No. of New Patients ... 249.8  
Daily average No. of Old Patients ... 1,119.4

Daily average attendance at the O.P.D. 1369.2  
(New and Old Cases).



## APPENDIX No. 3.

Name of the Disease.	IN-PATIENTS							Remain- ing under treat- ment on 1-1-55.
	Remain- ed on 1-1-54.	Admitted.	Total.	Cured.	Relieved.	Other- wise.	Died.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>I.—Infective and Parasitic Diseases.</b>								
Respiratory tuberculosis with mention of occupational disease of lung	...	8	8	3	2	1	1	1
Pulmonary Tuberculosis	3	168	171	13	37	90	31	...
Pleurisy specified as tuberculosis	...	8	8	...	8	...	...	...
Pleurisy with effusion without mention of cause	8	159	167	6	126	22	7	6
Primary tuberculosis complex with symptoms	1	12	13	...	4	6	3	...
Tracheobronchial glandular tuberculosis with symptoms	1	4	5	...	4	...	1	...
Radiological evidence suggestive of active respiratory tuberculosis not classified elsewhere	...	21	22	...	14	7	1	...
Other respiratory tuberculosis	...	1	1	1	...	...	...	...
Tuberculosis of meninges and central nervous system	5	70	75	3	23	8	39	2
Tuberculosis of intestines, peritoneum and mesenteric glands	13	50	69	6	28	9	21	5
Tuberculosis of bones and joints, active or unspecified	...	14	14	1	6	6	1	...
Active or unspecified tuberculosis of vertebral column	1	26	27	2	12	8	1	4
Active or unspecified tuberculosis of hip	1	5	6	1	4	1	...	...
Active or unspecified tuberculosis of knee	2	10	12	3	8	3	...	1
Active or unspecified tuberculosis of other and unspecified bones and joints	...	5	5	1	1	2	...	1
Late effects of tuberculosis of vertebral column	...	4	4	1	2	1	...	...
Late effects of tuberculosis of knee	...	1	1	1	...	...	...	...
Late effects of tuberculosis of other and unspecified bones and joints	...	3	3	...	2	1	...	...
Lupus	...	2	2	...	1	1	...	...
Tuberculosis of lymphatic system	...	28	28	6	18	2	1	1
Tuberculosis of genito-urinary system	...	2	2	1	1	...	...	...
Tuberculosis of other organs	...	6	6	...	5	...	...	1
Other forms of disseminated tuberculosis	...	1	1	...	...	...	1	...
<b>Syphilis and its sequelae</b>								
Congenital syphilis	...	1	1	...	1	...	...	...
Other Congenital syphilis	...	4	4	...	2	1	...	1
Secondary syphilis	...	21	21	1	18	1	1	...
Aneurysm of aorta	...	4	4	...	2	...	2	...
Other cardiovascular syphilis	...	13	13	...	12	...	1	...
Other syphilis of central nervous system	...	6	6	...	6	...	...	...
Other forms of syphilis	...	5	5	2	2	1	...	...
Syphilis, unqualified	...	1	1	...	...	...	...	...
<b>Gonococcal infection and other venereal diseases.</b>								
Acute or unspecified gonorrhoea	...	2	2	2	...	...	...	...
Chronic gonococcal infection of genito-urinary system	...	3	3	2	1	...	...	...
Gonococcal infection of joint	...	1	1	...	1	...	...	...
Chancroid	...	1	1	1	...	...	...	...
Lymphogranuloma venereum	...	1	1	...	...	...	1	...
Other and unspecified venereal diseases	...	2	2	...	2	...	...	...
<b>Infectious diseases commonly arising in intestinal tract.</b>								
Typhoid fever	4	155	159	54	30	61	11	3
Paratyphoid fever	...	6	6	4	1	1	...	...
Other salmonella infections with food as vehicle of infection	...	1	1	1	...	...	...	...
Cholera	...	2	2	...	1	1	...	...
Bacillary dysentery	...	4	4	1	2	1	...	...
Amoebiasis	...	2	2	...	2	...	...	...
Amoebiasis without mention of liver abscess	...	4	4	2	2	...	...	...
Amoebiasis with liver abscess	1	5	6	3	3	...	...	...
Other protozoal dysentery	...	1	1	...	...	1	...	...
Unspecified forms of dysentery	...	128	128	57	24	37	9	1
Food poisoning unspecified	...	22	22	9	12	1	...	...
Septaemia and pyaemia	2	543	545	443	55	38	38	1
Septaemia Staphylococcus	...	1	1	...	...	...	...	1
Septaemia other and unspecified organism	...	3	3	...	...	...	...	3
Septaemia organism unspecified	7	53	60	39	8	1	5	7
Diphtheria	...	44	44	...	3	22	18	1
Whooping cough without mention of pneumonia	...	10	10	1	2	7	...	...
Meningococcal infections	...	2	2	...	1	...	1	...
Other forms of meningococcal infection	...	5	5	...	1	4	...	...
Tetanus	...	77	77	21	13	5	32	6
Gas Gangrene	...	2	2	...	...	...	2	...
Other bacterial diseases	...	1	1	...	...	...	...	1
<b>Spirochaetal diseases, except syphilis.</b>								
Other spirochaetal and leptospirochaetal infections	...	3	3	...	...	...	...	...
<b>Diseases attributable to viruses.</b>								
Acute poliomyelitis	...	4	4	...	3	1	...	...
Acute unspecified	...	1	1	...	1	...	...	...
Acute infectious encephalitis	...	2	2	...	1	1	...	...
Postencephalitic parkinsonism	...	3	3	...	3	...	...	...

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(1)	(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Postencephalitic personality and character disorders	...	...	1	1	...	...	1	...
Smallpox	...	...	12	12	...	10	2	...
Measles	...	...	10	10	...	10	...	...
Measles without mention of pneumonia	...	...	5	5	...	5	...	...
Chickenpox	...	...	5	5	1	1	3	...
Herpes Zoster	...	...	2	2	1	...	1	...
Mumps	...	...	1	1	...	1	...	...
Infectious hepatitis	...	...	108	108	6	56	44	1
Glandular fever	...	...	1	1	1	...	...	...
Rabies	...	...	1	1	...	...	...	1
<b>Typhus and other Rickettsial diseases</b>								
Flea borne endemic typhus (murine)	...	...	1	1	...	...	...	1
<b>Malaria.</b>								
Vivax malaria	...	...	14	14	5	8	1	...
Other and unspecified forms of malaria	...	...	30	30	3	23	3	1
<b>Other infective and parasitic diseases.</b>								
Leishmaniasis	...	...	1	1	...	1	...	...
Kala-azar	...	...	2	2	...	2	...	...
Schistosomiasis	...	...	2	2	...	2	...	...
Other cestode infestation	...	...	3	3	1	1	...	1
Filariasis	...	...	14	15	4	8	2	...
Infection with worms of other mixed and unspecified type	...	...	31	32	12	13	6	...
Ascariasis	...	...	15	16	3	12	...	1
Oxyuriasis	...	...	1	1	1	...	...	...
Other	...	...	8	9	7	2	...	...
Dermatophytosis	...	...	3	3	1	1	1	...
Other	...	...	2	2	1	1	...	...
Scabies	...	...	1	1	1	...	...	...
Other infective and parasitic diseases	...	...	2	2	...	2	...	...
<b>II—NEOPLASM.</b>								
<b>Malignant Neoplasm of Buccal Cavity and Pharynx.</b>								
Malignant neoplasm of floor of mouth	...	...	1	1	1	...	...	...
Malignant neoplasm of oesophagus	...	...	8	9	...	4	3	2
"    "    stomach	...	...	5	5	...	3	...	2
"    "    large intestine, except rectum	...	...	2	2	...	2	...	...
"    "    rectum	...	...	3	3	...	1	...	2
"    "    biliary passages and of liver	...	...	1	1	...	1	...	...
"    "    peritoneum	...	...	1	1	...	1	...	...
"    "    tracheal and lungs, etc.	...	...	1	1	...	1	...	...
"    "    lung and bronchus	...	...	1	1	...	...	...	...
"    "    cervix uteri	...	...	12	12	2	2	6	2
"    "    ovary, fallopian tube & broad ligament	...	...	2	2	1	...	...	1
"    "    prostate	...	...	1	1	...	1	...	...
"    "    testis	...	...	1	1	...	1	...	...
"    "    other & unspecified male genital organs	...	...	1	1	...	1	...	...
"    "    kidney	...	...	2	2	...	1	...	1
"    "    skin	...	...	3	3	1	1	...	1
"    "    bone—(including jaw bone)	...	...	1	1	...	1	...	...
"    "    connective tissue	...	...	2	2	1	...	...	...
Secondary and unspecified malignant neoplasm of lymph nodes	...	...	2	2	...	2	...	...
Malignant neoplasm of other and unspecified sites	...	...	5	6	...	1	5	...
Lymphosarcoma	...	...	2	2	...	1	1	...
Other primary malignant neoplasms of lymphoid tissue	...	...	1	1	...	1	...	...
Hodgkin's disease	...	...	1	1	...	...	1	...
Lymphatic leukaemia	...	...	1	1	...	...	...	1
Myeloid leukaemia	...	...	4	4	...	3	...	1
Other and unspecified type	...	...	1	1	...	...	...	1
<b>Benign Neoplasm.</b>								
Benign neoplasm of buccal cavity and pharynx	...	...	2	2	2	...	...	...
Benign neoplasm of breast	...	...	6	6	4	2	...	...
Uterine fibromyoma	...	...	9	9	4	4	...	1
Other benign neoplasm of uterus	...	...	1	1	...	...	...	1
Benign Neoplasm of ovary	...	...	6	6	3	2	1	...
Benign neoplasm of other female genital organs	...	...	1	1	1	...	...	...
Benign neoplasm of kidney and other urinary organs	...	...	1	1	1	...	1	...
Pilonidal cyst	...	...	1	1	1	...	...	...
Other benign neoplasm of skin	...	...	4	4	4	...	...	...
Benign neoplasm of brain & other parts of nervous system	...	...	1	1	...	1	...	...
Benign neoplasm of bone and cartilage	...	...	6	6	3	1	...	2
Lipoma	...	...	2	3	2	1	...	...
Other benign neoplasm of muscular and connective tissue	...	...	1	1	1	1	...	...
Haemangioma and lymphangioma	...	...	3	3	1	1	...	...
Benign neoplasm of other and unspecified organs and tissues	...	...	2	2	1	1	...	...
Neoplasm of unspecified nature of digestive organs	...	...	2	2	...	...	1	...
"    "    of breast	...	...	1	1	1	...	...	...
"    "    of brain and other parts of nervous system	...	...	3	3	...	1	1	1
"    "    of other & unspecified organs	...	...	2	2	...	...	...	1

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>III.—ALLERGIC, ENDOCRINE SYSTEM, METABOLIC AND NUTRITIONAL DISEASES.</b>								
<b>Allergic disorders.</b>								
Hay fever	...	...	1	1	1	...	...	...
Asthma	...	4	158	162	12	127	11	6
Urticaria	...	...	6	6	1	5	...	...
Allergic oezema	...	...	1	1	...	1	...	...
Other allergic disorders	...	...	2	2	...	2	...	...
<b>Diseases of Thyroid gland.</b>								
Simple goitre	...	...	5	5	...	5	...	...
Nontoxic nodular goitre	...	...	9	9	7	...	1	1
Thyrotoxicosis with or without goitre	...	1	9	10	...	5	5	...
<b>Diabetes Mellitus.</b>								
Diabetes mellitus	...	1	69	70	2	33	18	12
<b>Diseases of other endocrine glands.</b>								
Disorders of pancreatic internal secretion other diabetes mellitus	...	...	1	1	...	...	...	1
Diseases of pituitary gland	...	...	3	3	...	3	...	...
Testicular dysfunction	...	...	2	2	...	...	2	...
Polyglandular dysfunction and other diseases of endocrine glands	...	...	3	3	...	1	...	2
Pellagra	...	...	1	1	...	1	...	...
Scurvy	...	...	2	2	...	2	...	...
Active rickets	...	...	3	3	...	...	3	...
Osteomalacia	...	...	6	6	...	4	...	1
Steatorrhoea and sprue	...	...	1	1	...	...	1	...
Vitamin A deficiency	...	...	12	12	3	6	1	2
Malnutrition, unqualified	...	3	22	25	4	5	5	6
Other and multiple deficiency states	...	11	176	187	5	106	25	37
Other metabolic disease	...	4	4	...	2	...	...	...
<b>IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS</b>								
<b>Diseases of blood and blood-forming organs</b>								
Pernicious and other hyperchromic anaemias	...	...	3	3	...	1	...	2
Subacute combined degeneration of spinal cord	...	...	4	4	1	1	1	1
Iron deficiency anaemias	...	...	10	10	...	7	2	1
Other anaemias of specified type	...	...	1	1	...	1	...	1
Other haemolytic anaemias	...	...	2	2	...	...	1	1
Anaemia of unspecified type	...	18	134	152	10	66	42	24
Haemophilia	...	1	2	3	...	2	1	...
Purpura and other haemorrhagic conditions	...	...	7	7	1	5	1	...
Other diseases of blood and blood-forming organs	...	...	7	7	...	7	...	...
<b>V.—MENTAL, PSYCHONEUROTIC AND PERSONALITY DISORDERS</b>								
<b>Alcoholic psychosis</b>								
Alcoholic psychosis	...	...	2	2	1	...	...	1
Other and unspecified psychoses	...	...	4	4	1	3	...	...
<b>Psychoneurotic disorders</b>								
Anxiety reaction without mentioned of somatic symptoms	...	...	4	4	2	2	...	...
Hysterical reaction without mentioned of anxiety reaction	...	...	31	31	2	18	10	1
Neurotic-depressive reaction	...	...	1	1	...	...	1	...
Neurocirculatory asthenia	...	...	1	1	...	1	...	...
Psychoneurosis with somatic symptoms affecting other systems.	...	...	1	1	...	1	...	...
Of other and unspecified types	...	...	3	3	1	2	...	...
<b>Disorders of character, behaviour and intelligence</b>								
Alcoholism	...	...	4	4	...	2	2	...
Unspecified	...	...	100	100	10	76	10	2
Other drug addiction	...	...	1	2	...	2	...	...
Mental Retardation	...	...	1	1	...	...	1	...
Cerebral Tumour	...	...	1	1	...	...	1	...
<b>VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS</b>								
<b>Subarachnoid haemorrhage</b>								
Subarachnoid haemorrhage	...	...	1	1	...	...	...	1
Cerebral haemorrhage	...	...	11	11	...	8	...	9
Cerebral embolism and thrombosis	...	1	27	28	...	10	13	5
Spasm of cerebral arteries	...	...	2	2	1	1	...	...
Other and ill-defined vascular lesions affecting central nervous system.	...	1	14	15	1	6	3	5
<b>Inflammatory diseases of central nervous system</b>								
<b>Meningitis, except meningococcal and tuberculous</b>								
Meningitis, except meningococcal and tuberculous	...	...	3	3	1	...	...	2
Pneumococcus	...	...	1	1	...	...	...	1
Due to other specified organism	...	...	1	1	...	...	...	1
Unspecified cause	...	...	21	21	5	4	3	9
Phlebitis and thrombophlebitis of intracranial venous sinuses	...	...	1	1	...	...	...	1
Encephalitis, myelitis and encephalomyelitis	...	...	6	6	1	3	1	1
Late effects of intracranial abscess or pyogenic infection	...	...	3	3	...	1	2	...
Multiple sclerosis	...	...	2	2	...	...	2	...

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<b>Other diseases of central nervous system</b>								
Paralysis agitans	...	8	8	...	4	4	...	...
Cerebral spactis infantile paralysis	...	2	2	...	...	2	...	...
Other cerebral paralysis	...	20	21	...	6	7	6	2
Grand-mal	...	5	6	...	5	1	...	...
Other and unspecified	...	3	3	...	2	...	1	...
Other diseases of brain	...	1	1	...	...	...	1	...
Amyotrophic lateral sclerosis	...	5	5	...	2	2	1	...
Brachial neuritis	...	1	1	...	...	1	...	...
Sciatica	...	1	2	...	2	...	...	...
<b>Inflammatory diseases of eye</b>								
Conjunctivitis and ophthalmia	...	2	2	...	2	...	...	...
Chroiditis	...	2	2	1	...	1	...	...
Corneal ulcer	...	1	1	...	1	...	...	...
Glaucoma	...	2	2	1	...	...	...	1
Other diseases of eye	...	1	1	...	1	...	...	...
<b>Diseases of Ear and Mastoid process</b>								
Otitis externa	...	2	2	2	...	...	...	...
Unspecified	...	1	1	1	...	...	...	...
Unspecified mastoiditis without mention of otitis media	...	2	2	...	1	...	...	1
Meniere's disease	...	3	3	1	1	1	...	...
<b>VII.—DISEASES OF THE CIRCULATORY SYSTEM</b>								
<b>Rheumatic Fever</b>								
Rheumatic fever without mention of heart involvement	...	1	1	...	1	...	...	...
Active rheumatic pericarditis	...	5	5	1	2	1	1	...
Active rheumatic myocarditis	...	1	1	...	...	1	...	...
Diseases of mitral valve	...	5	43	6	26	8	3	5
Other endocarditis specified as rheumatic	...	1	1	...	...	...	1	...
Other heart disease specified as rheumatic	...	3	3	...	2	...	1	...
Heart disease specified as involving coronary arteries	...	19	19	2	4	3	10	...
Angina pectoris without mention of coronary disease	...	4	4	...	3	...	...	1
Chronic endocarditis of aortic valve	...	1	3	...	2	...	...	...
Other myocardial degeneration	...	1	1	...	...	...	1	...
<b>Other Diseases of Heart.</b>								
Acute myocarditis not specified as rheumatic	...	1	1	...	...	...	1	...
Acute pericarditis specified as nonrheumatic	...	5	5	1	3	...	1	...
Heart Block	...	1	1	...	1	...	...	...
Other disorders of heart rhythm	...	4	4	...	3	...	1	...
Congestive heart failure	...	9	178	4	100	17	59	7
Left ventricular failure	...	6	6	...	2	1	2	1
Other and unspecified disease of heart	...	3	3	1	...	2	...	...
<b>Hypertensive disease.</b>								
Other and unspecified hypertensive heart disease	...	9	9	1	5	...	2	1
Essential benign hypertension without mention of heart	...	2	35	3	22	8	4	...
Essential malignant hypertension without mention of heart	...	2	2	1	1	...	...	...
Hypertension with arteriolar nephrosclerosis of heart	...	1	1	...	...	1	...	...
Other hypertensive disease without mention of heart	...	3	3	...	...	3	...	...
<b>Diseases of Arteries.</b>								
General arteriosclerosis	...	1	1	...	1	...	...	...
Without mention of gangrene	...	...	1	...	1	...	...	...
Acute aneurysm specified as nonsyphilitic and dissecting aneurysm	...	1	1	...	1	...	...	...
Thrombo-angitis obliterans	...	10	10	3	7	...	...	...
Gangrene of unspecified cause	...	1	1	1	...	...	...	...
<b>Diseases of Veins and Other disease of Circulator system</b>								
Varicose of lower extremities	...	4	4	2	2	...	...	...
Haemorrhoids	...	1	72	48	19	...	...	6
Varicocele	...	5	5	3	2	...	...	...
Varicose veins of osophagus	...	1	1	...	...	...	1	...
Phelebitis and thrombophlebitis of lower extremities	...	2	2	...	2	...	...	...
Other and unspecified circulatory diseases	...	2	2	1	1	...	...	...
Chronic lymphadenitis	...	1	1	...	1	...	...	...
Lymphadenitis, unqualified	...	13	13	4	8	1	...	...
<b>VIII.—DISEASES OF THE RESPIRATORY SYSTEM</b>								
Acute Tonsillitis	...	17	17	12	5	...	...	...
Acute laryngitis and tracheitis	...	2	2	2	...	...	...	...
<b>Pneumonia.</b>								
Lobar pneumonia	...	7	471	423	23	6	20	6
Bronchopneumonia	...	67	67	23	3	5	36	...
Primary atypical pneumonia	...	3	3	2	1	1	...	...
Pneumonia, other and unspecified	...	3	3	1	1	...	...	...
<b>Bronchitis.</b>								
Acute bronchitis	...	31	31	13	15	3	...	...
Bronchitis unqualified	...	1	1	...	...	...	...	1
Chronic Bronchitis	...	4	4	...	4	...	...	...
Other	...	1	1	...	...	...	1	...

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Other diseases of respiratory system</b>								
Hypertrophy of tonsils and adenoids	12	694	706	638	51	5	...	12
Peritonsillar abscess	...	7	7	5	2	...	...	...
Chronic sinusitis	...	2	2	...	2	...	...	...
Nasal polyp	...	1	1	1	...	...	...	...
Empyema	...	5	5	2	1	...	2	...
Pleurisy	1	4	5	2	2	...	1	...
Pleurisy without mention of effusion or tuberculosis	1	16	17	6	11	...	...	...
Pleurisy with effusion with mention of a bacterial cause other than tuberculosis	3	3	...	...	1	2	...	...
Pleurisy other specified forms of effusion, except tuberculosis	...	1	1	...	...	1	...	...
Spontaneous pneumothorax	...	3	3	...	3	...	...	...
Abscess of lung	...	8	8	...	2	3	1	2
Pulmonary congestion and hypostasis	...	4	4	2	1	...	1	...
Other chronic interstitial pneumonia	...	3	3	1	2	...	...	...
Bronchiectasis	...	10	10	5	3	...	...	2
Other disease of lung and pleural cavity	...	3	3	1	2	...	...	...
Pulmonary collapse	...	1	1	...	...	...	...	1
Emphysema without mention of bronchitis	...	5	5	...	2	1	2	...
<b>X.—DISEASES OF THE DIGESTIVE SYSTEM.</b>								
<b>Diseases of Buccal cavity and Oesophagus.</b>								
Dental caries	...	1	1	...	...	1	...	...
Periodontal	...	9	1	...	6	2	...	...
Other and unspecified	...	1	1	1	...	...	...	...
Periodontosis	...	1	1	1	...	...	...	...
Other	...	3	3	2	...	...	...	...
Disorders of first dentition	1	13	14	10	4	...	...	...
Toothache from unspecified cause	1	...	1	...	...	...	1	...
Other diseases of teeth and supporting structures	...	1	1	...	1	...	...	...
Stomatitis	...	4	4	2	1	...	1	...
Diseases of salivary glands	...	3	3	2	...	...	1	...
Other diseases of buccal cavity	...	3	3	1	1	1	...	...
Diseases of Oesophagus	...	1	1	...	...	1	...	...
<b>Diseases of Stomach and Duodenum.</b>								
Ulcer of stomach	1	3	4	1	1	1	1	...
Ulcer without mention of perforation	...	2	2	1	1	...	...	...
Ulcer with perforation	...	4	4	2	1	...	1	...
Ulcer of duodenum	1	28	29	14	7	7	...	1
Ulcer without mention of perforation	2	23	25	6	9	7	2	1
Ulcer with perforation	...	12	12	12	...	...	...	...
Gastrojejunal ulcer	...	1	1	...	1	...	...	...
Gastrojejunal without mention of perforation	...	2	2	1	1	...	...	...
Gastritis and duodenitis	...	14	14	3	6	...	4	1
Disorders of gastric secretion	...	11	11	1	8	2	...	...
Other	...	2	2	1	2	...	...	...
Other diseases of stomach and duodenum	...	6	6	2	3	1	...	...
<b>Appendicitis.</b>								
Acute appendicitis	...	8	8	3	5	...	...	...
Acute appendicitis without mention of peritonitis	...	18	18	2	13	3	...	...
Acute appendicitis with peritonitis	...	6	6	...	5	...	...	1
Appendicitis unqualified	...	14	14	2	11	1	...	...
Other Appendicitis	...	38	38	27	8	3	...	...
Other diseases of appendix	...	7	7	3	2	...	...	2
<b>Hernia and Abdominal Cavity.</b>								
Hernia of abdominal cavity without mention of obstruction	7	175	182	173	6	3	...	...
Hernia Inguinal	...	16	16	9	5	...	...	2
Hernia Ventral	...	4	4	1	2	...	1	...
Hernia unspecified site	...	2	2	2	...	...	...	...
Hernia of abdominal cavity with obstruction	...	5	5	4	...	...	...	1
Hernia Inguinal	...	43	43	36	4	2	1	...
Hernia Umbilical	...	1	1	...	1	...	...	...
Hernia unspecified site	...	6	6	6	...	...	...	...
<b>Other diseases of Intestines and Peritoneum.</b>								
Intestinal obstruction without mention of hernia	...	3	3	2	1	...	...	...
Intussusception	...	4	4	2	1	...	1	...
Mesenteric infarction	...	1	1	...	...	...	1	...
Volvulus	...	3	3	...	1	...	2	...
Impaction of intestine	...	2	2	1	...	...	1	...
Other	...	13	13	3	3	...	6	1
Gastro-enteritis and colitis, except ulcerative, 4 weeks and over	1	1	2	...	...	...	1	1
Ages between 4 weeks and 2 years	1	37	38	14	6	3	15	...
Ages 2 years and over	...	3	3	...	...	...	3	...
Chronic enteritis and ulcerative colitis	...	3	3	...	2	...	...	1
Ulcerative colitis	...	2	2	...	...	...	2	...
Other	...	15	15	2	7	2	3	1
Functional disorders of intestines	...	1	1	...	1	...	...	...
Constipation	...	4	4	...	4	...	...	...
Anal fissure and fistula	...	73	76	47	24	4	...	1
Abscess of anal and rectal regions	1	42	47	25	18	...	...	...
Peritonitis	...	9	9	2	...	1	6	...

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Peritoneal adhesion	...	2	2	...	1	1	...	...
Other diseases of intestines and peritoneum	...	1	27	28	16	6	1	4
<b>Diseases of Liver, Gallbladder and pancreas.</b>								
Cirrhosis of liver	...	1	2	3	1	1	1	...
Without mention of alcoholism	...	23	22	25	2	10	4	8
With alcoholism	...	...	4	4	...	2	...	1
Suppurative hepatitis and liver abscess	...	...	4	4	...	2	1	1
Cholelithiasis	...	...	7	7	1	3	2	...
Cholecystitis without mention of calculi	...	...	2	2	...	2	...	...
Diseases of pancreas	...	...	1	1	...	...	...	1
Acute pancreatitis	...	...	1	1	...	1	...	...
<b>X.—DISEASES OF THE GENITO-URINARY SYSTEM.</b>								
<b>Nephritis and Nephrosis.</b>								
Acute nephritis	...	1	3	4	...	2	2	...
Nephritis with oedema, including nephrosis	...	1	4	5	...	4	1	...
<b>Other diseases of Urinary System.</b>								
Infections of kidney	...	...	5	5	2	3	...	...
Abscess of kidney and perirenal tissue	...	...	2	2	1	1	...	...
Pyelitis, pyelocystitis, and pyelonephritis	...	1	...	1	1	1	...	...
Hydronephrosis	...	...	3	3	1	2	...	...
Calculi of kidney and ureter	...	...	25	25	11	7	6	...
Other diseases of kidney and ureter	...	1	5	6	1	3	2	...
Calculi of other parts of urinary system	...	...	24	24	13	7	2	2
Cystitis	...	...	4	4	...	2	...	...
Other diseases of bladder	...	...	1	1	...	1	...	...
Urethritis	...	...	2	2	1	1	...	...
Stricture of urethra	...	...	14	14	8	4	2	...
Other diseases of urethra	...	1	3	4	1	3	...	...
<b>Diseases of Male genital organs.</b>								
Hyperplasia of prostate	...	1	14	15	7	5	1	1
Other diseases of prostate	...	2	1	3	...	2	1	...
Hydrocele	...	9	515	524	485	8	4	27
Orchitis and epididymitis	...	...	10	10	8	2	...	...
Redundant prepuce and phimosis	...	...	10	10	7	1	...	1
Other diseases of male genital organs	...	1	28	29	18	9	2	...
<b>Diseases of Breast, Ovary, Fallopian Tube, etc.</b>								
Other diseases of breast	...	...	10	10	6	3	...	1
Diseases of parametrium and pelvic peritoneum (female)	...	...	6	6	2	4	...	...
<b>Diseases of uterus and other female genital organs.</b>								
Vaginitis and vulvitis	...	...	6	6	5	...	1	...
Other diseases of female genital organ	...	...	1	1	...	...	1	...
<b>XI.—DELIVERIES AND COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.</b>								
<b>Complications of the puerperium.</b>								
Puerperal urinary infection without other sepsis	...	...	3	3	2	1	...	...
Pyrexia of unknown origin during the puerperium	...	...	1	1	...	1	...	...
Cerebral haemorrhage in the puerperium	...	...	7	7	5	1	1	...
Mastitis and other disorders of lactation	...	...	2	2	2	...	...	...
<b>XII.—DISEASE OF THE SKIN AND CELLULAR TISSUE</b>								
<b>Infections of skin and subcutaneous tissue</b>								
Boil and carbuncle	...	...	1	1	1	...	...	...
Boil of trunk	...	...	3	3	1	1	1	...
Boil of buttock	...	...	1	1	...	...	...	1
Boil of other parts of lower extremity	...	...	1	1	...	...	...	1
Boil of other and multiple sites	...	...	1	1	...	...	...	1
Boil of unspecified site	...	...	2	2	1	1	...	...
Cellulitis of finger and toes	...	...	1	1	...	1	...	...
Other cellulitis and abscess without mention of lymphangitis	...	...	2	2	1	1	1	...
Other of head and neck	...	...	8	8	3	4	...	1
Other of trunk	...	1	33	34	18	13	1	1
Other of upper arm and forearm	...	...	5	5	1	4	...	...
Other of hand, except fingers	...	1	10	11	5	4	1	1
Other of leg	...	...	31	31	21	10	...	...
Other of foot except toes	...	1	16	17	11	3	...	3
Other of other multiple and unspecified sites	...	...	9	9	6	3	...	...
Other cellulitis and abscess with lymphangitis of trunk	...	...	2	2	1	1	...	...
Other cellulitis of leg	...	...	12	12	...	10	2	...
Acute lymphadenitis	...	...	1	1	...	1	...	...
Other local infections of skin and subcutaneous tissue	...	...	14	14	9	5	...	...

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	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
<b>Other diseases of skin and subcutaneous tissue</b>								
Eczema	...	1	1	...	1	...	...	...
Unqualified dermatitis	...	2	3	5	2	1	1	1
Other pemphigus	...	2	2	...	...	...	...	...
Corns and callosities	...	1	1	...	...	...	...	...
Keloid scar	...	2	2	1	1	...	...	...
Diseases of nail	...	1	1	1	1	...	...	...
Other diseases of sebaceous glands	...	2	2	2	2	...	...	...
Chronic ulcer of skin	...	1	37	38	15	18	2	1
Other diseases of skin	...	...	4	4	1	3	...	...
<b>XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT</b>								
<b>Arthritis and rheumatism, except rheumatic fever</b>								
Acute arthritis due to pyogenic organisms	...	15	15	7	7	1	...	...
Acute nonpyogenic arthritis	...	6	6	...	...	...	...	...
Acute Rheumatoid arthritis and allied conditions	...	3	3	1	2	...	...	...
Rheumatoid arthritis	...	1	7	8	...	3	5	...
Spondylitis ankylopoietica	...	...	2	2	...	2	...	...
Chronic rheumatoid nodular fibrositis	...	...	1	1	...	1	...	...
Osteo-arthritis and allied conditions	...	1	14	15	...	12	1	1
Osteo-arthritis	...	...	6	6	3	...	1	1
Spondylitis osteo-arthritis	...	...	7	7	...	5	1	1
Adult osteochondrosis of spine	...	...	1	1	...	...	...	...
Other specified forms of arthritis	...	1	2	3	1	2	...	...
Arthritis, unspecified	...	...	11	11	3	6	...	2
Muscular rheumatism	...	...	1	1	1	...	...	...
Other Muscular rheumatism fibrositis and myalgia	...	...	2	2	...	1	...	1
Rheumatism unspecified	...	1	2	3	1	1	1	...
<b>Osteomyelitis and other diseases of bone and joint</b>								
Osteomyelitis and periostitis	...	2	2	1	1	...	...	...
Acute osteomyelitis	...	...	1	1	1	...	...	...
Chronic osteomyelitis	...	1	16	17	7	8	1	1
Unspecified osteomyelitis	...	1	1	2	...	1	1	...
Osteochondrosis	...	...	1	1	...	...	...	...
Other diseases of bone	...	...	6	6	4	2	...	...
Internal derangement of knee joint	...	...	1	1	...	1	...	...
Displacement of intervertebral disc.	...	...	7	7	3	2	1	1
Affection of sacro-iliac joint	...	...	1	1	...	1	...	...
Ankylosis of joint	...	...	6	6	3	3	...	...
Other diseases of joint	...	...	15	15	6	7	2	...
<b>Other diseases of musculoskeletal system</b>								
Synovitis, bursitis and tenosynovitis without mention of occupational origin.	...	3	3	...	3	...	...	...
Other diseases of muscle tendon and fascia	...	1	1	...	1	...	...	...
Inborn defect of muscle	...	3	3	...	...	2	...	1
Other	...	7	7	2	3	1	...	1
Clubfoot	...	1	1	...	...	1	...	...
Other deformities	...	1	4	5	3	2	...	...
<b>XIV.—Congenital Malformations</b>								
<b>Congenital Malformations</b>								
Spina bifida and meningocele	...	2	2	1	1	...	...	...
Congenital hydrocephalus	...	1	1	...	1	...	...	...
Other congenital malformations of nervous system	...	1	1	...	1	...	...	...
Other spelling specified malformations of heart	...	3	3	...	...	1	1	1
Cleft palate and harelip	...	8	8	1	6	1	...	...
Congenital hypertrophic pyloric stenosis	...	1	1	1	...	...	...	...
Imperforate anus	...	1	1	...	...	...	1	...
Other	...	3	3	2	1	1	...	...
Undescended testicle	...	3	4	2	1	...	...	1
Polycystic disease of kidney	...	1	1	1	...	...	...	...
Congenital malformations of skull	...	1	1	1	...	...	...	...
Congenital abnormalities of lumbosacral region	...	2	2	...	...	1	1	...
Other congenital malformations of bone and joint	...	3	3	1	1	1	...	...
Unspecified congenital malformations of respiratory system	...	1	1	...	...	1	...	...
Unspecified other and unspecified	...	3	3	2	1	...	...	...
<b>XV.—CERTAIN DISEASES OF EARLY INFANCY</b>								
<b>Birth injuries, Asphyxia and Infections of Newborns</b>								
Without mention of immaturity	...	3	3	...	...	...	3	...
Other birth injury of immaturity	...	2	2	...	...	2	...	...
Post-natal asphyxia and atelectasis	...	1	1	...	1	...	...	...
Pneumonia of newborn	...	32	32	15	10	4	13	...
Pneumonia without mention of immaturity	...	46	46	20	5	2	13	6
Pneumonia with immaturity	...	3	3	3	...	...	...	...
Diarrhoea of newborn	...	37	37	13	12	7	7	...
Diarrhoea with mention of immaturity	...	41	41	11	10	4	16	...
Diarrhoea with immaturity	...	11	11	2	3	3	3	...
Other sepsis of newborn without mention of immaturity	...	2	2	1	1	...	...	...

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	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
<b>Other diseases peculiar to early infancy</b>								
Erythroblastosis, without mention of nervous affection of immaturity.	...	2	2	...	2	...	...	...
Nutritional maladjustment without mention of immaturity	...	24	24	5	9	4	4	2
Nutritional maladjustment with immaturity	...	2	2	...	1	1	1	...
Ill-defined diseases peculiar to early infancy	...	2	3	...	...	...	2	...
Ill-defined without mention of immaturity	...	4	4	...	...	...	2	...
Ill-defined with immat rity	...	2	2	...	...	...	2	...
Immaturity unqualified	...	3	3	1	...	1	1	...
<b>XVI.—SYMPTOMS, SENILITY AND ILL-DEFINED CONDITIONS</b>								
<b>Symptoms referable to systems of organs</b>								
Convulsions	...	8	8	2	5	1	...	...
Abnormal involuntary movement	...	2	2	...	...	2	...	...
Vertigo	...	13	13	3	9	...	...	1
Disturbance of sleep	...	1	1	...	...	1	...	...
Disturbance of memory	...	2	2	...	2	...	...	...
Precordial pain	...	2	2	...	...	...	2	...
Palpitation	...	1	1	...	1	...	...	...
Acute heart failure, undefined	...	20	20	11	2	1	6	...
Syncope or collapse	...	6	6	...	3	...	2	1
Oedema and dropsy	...	5	5	2	...	2	...	1
Splenomegaly	...	1	1	...	...	1	...	...
Shock without mention of trauma	...	2	3	...	1	1	1	...
Epistaxis	...	15	15	1	13	1	...	...
Dyspnea	...	5	5	...	4	...	...	...
Pain in Chest	...	6	6	...	3	3	...	...
Anorexia	...	8	9	2	7	...	...	...
Pyrosis	...	1	1	...	...	...	1	...
Haematemesis	...	13	13	...	13	...	...	...
Hicough	...	1	1	...	...	...	...	...
Jaundice	...	35	35	6	3	2	24	...
Abdominal pain	...	129	131	56	57	9	8	1
Diarrhoea age 2 years and over	...	189	189	111	16	5	56	1
Symptoms referable to genito-urinary system	...	4	4	1	2	1	...	...
Pain referable to urinary system	...	22	22	9	11	2	...	...
Retention of urine	...	2	3	3	2	...	...	...
Oliguria, anuria	...	5	5	2	1	1	1	...
Prisipism	...	3	3	1	1	...	1	...
Pain in back	...	2	2	...	1	...	...	1
Dehydration	...	33	33	3	2	...	28	...
Pyrexia of unknown origin	...	6	405	411	273	72	51	7
Haematuria	...	5	5	...	3	1	...	1
<b>Senility and ill-defined diseases</b>								
Nervousness	...	1	1	...	1	...	...	...
Headache	...	2	2	1	1	...	...	...
Uræmia unqualified	...	10	10	...	...	1	9	...
Observation, without need for further medical care	...	2	2	...	2	...	...	...
Other specified	...	9	9	3	6	...	...	...
Unspecified	...	31	31	8	20	3	...	...
Senility without mention of psychosis	...	6	6	...	3	2	...	1
Ill-defined and unknown cause of morbidity and mortality	...	2	2	...	...	1	1	...
Other ill-defined conditions	...	2	2	...	...	1	1	...
Other, unknown and unspecified causes	...	1	1	...	1	...	...	...
<b>XVII.—ACCIDENTS, POISONINGS AND VIOLENCE</b>								
Accidental poisoning by arsenic and antimony and their compounds.	...	1	1	...	...	...	1	...
Accidents caused by bites and stings of venomous animals and insects.	...	2	2	1	...	...	1	...
Suicide and self-inflicted poisoning by other solid and liquid substance.	...	2	2	...	...	...	2	...
<b>Fracture of skull, spine and trunk</b>								
Fracture of vault of skull	...	22	22	4	2	...	16	...
Fracture of base of skull	...	5	5	...	...	...	5	...
Fracture of face bones	...	11	11	1	8	...	...	2
Other and unqualified skull fractures	...	5	5	2	1	...	2	...
Multiple fractures involving skull or face with other bones	...	5	5	2	1	2	...	...
Fracture and fracture dislocation of vertebral column without mentioned to spinal cord lesion.	...	18	18	4	10	4	...	...
Fracture and fracture dislocation of vertebral column with spinal cord lesion.	...	2	2	1	...	1	...	...
Fracture of rib and sternum	...	6	6	1	5	...	...	...
Fracture of pelvis	...	1	1	...	...	...	...	...
Multiple, and ill-defined fractures of trunk	...	18	18	3	12	3	...	...
<b>Fracture of Upper limb</b>								
Fracture of clavicle	...	4	4	...	4	...	...	...
Fracture of scapula	...	1	1	...	1	...	...	...
Fracture of humerus	...	3	3	...	1	...	...	...
Fracture of radius and ulna	...	1	16	17	8	8	2	...



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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Fracture of metacarpal bones	...	...	1	1	...	1	...	...
Fracture of one or more phalanges of hand	...	...	3	3	2	1	...	...
Fracture of multiple of hand bones	...	...	8	8	2	6	...	...
Other multiple and ill-defined fractures of upper limb	...	...	4	4	3	1	...	...
Multiple fractures involving both upper limbs, and upper limb with rib and sternum	...	...	22	22	4	14	4	...
Fracture of other and unspecified parts of femur	...	...	15	15	6	2	7	...
Fracture of patella	...	...	4	4	3	1	...	...
Fracture of tibia and fibula	...	...	19	19	4	13	2	...
Fracture of ankle	...	...	2	2	2	1	...	...
Fracture of one or more tarsal and metatarsal bones	...	...	10	10	5	2	3	...
Fracture of one or more phalanges of foot	...	...	2	2	2	...	...	...
Other multiple, and ill-defined fractures of lower limb	...	...	3	3	4	2	...	...
Multiple fractures involving both lower limbs, lower with upper limb, and lower limb with rib and sternum.	1	37	38	8	22	6	2	...
Fracture of unspecified bones	...	...	1	1	...	1	...	...
Dislocation of finger	...	...	1	1	1	...	...	...
Dilocation of hip	1	3	4	1	1	2	...	...
Dilocation of foot	...	...	1	1	...	1	...	...
Other multiple and ill-defined dislocation	...	...	1	1	1	...	...	...
Sprains and strains of hip and thigh	...	...	1	1	1	...	...	...
Sprains and strains of ankle and foot	...	...	4	4	2	2	...	...
Open wound of scalp	1	112	113	46	51	3	6	7
Contusion and haematoma of scalp.	...	...	8	8	4	3	1	...
Concussion	...	...	77	77	20	27	30	...
Cerebral laceration and contusion	...	...	1	1	...	...	1	...
Subarachnoid, subdural and extradural haemorrhage following injury.	...	...	3	3	...	2	1	...
Other and unspecified intracranial haemorrhage following jurny	...	...	1	1	...	...	1	...
Head injury of other and unspecified nature	...	...	19	19	6	10	2	1
Traumatic pneumothorax and haemothorax	...	...	6	6	3	1	...	2
Injury to liver	...	...	1	1	1	...	...	...
Injury to spleen	...	...	4	4	...	4	1	2
Injury to kidney	...	...	1	1	...	...	...	1
Injury to pelvic organs	...	...	2	2	...	2	...	...
Injury to other and unspecified intra abdominal organs	...	...	1	1	1	...	...	...
Open wound of eye and orbit	...	...	3	3	...	2	1	...
Enucleation of eye	...	...	1	1	...	1	...	...
Open wound of ear	...	...	1	1	...	1	...	...
Other and unspecified laceration of face	...	...	39	39	34	4	...	1
Open wound of neck	...	...	1	1	1	...	...	...
Open wound of chest	...	...	6	6	3	1	...	1
Open wound of back	...	...	5	5	2	2	1	...
Open wound of buttock	...	...	3	3	3	...	...	...
Open wound of genital organs, including traumatic amputation	...	...	1	1	...	1	...	...
Multiple and unspecified open wound at face, neck and finger	...	...	9	9	5	3	...	...
Open wound of shoulder and upper arm	...	...	6	6	3	3	...	...
Open wound of elbow and forearm and wrist not involving tendons.	...	...	9	9	8	1	...	...
Open wound of wrist involving tendon	...	...	1	1	1	...	...	...
Open wound of hand, except fingers	...	...	5	5	3	1	...	1
Open wound of fingers	...	...	6	6	3	1	1	1
Multiple and unspecified open wounds of one upper limb	...	...	2	2	...	1	1	...
Traumatic amputation of thumbs	...	...	1	1	...	...	1	...
Traumatic amputation of other fingers	...	...	5	5	3	2	...	...
Traumatic amputation of arm and hand	...	...	2	2	2	...	...	...
Open wound of hip and thigh	...	...	1	1	1	...	...	...
Open wound of knee, leg and ankle not involving tendons	1	2	3	1	2	...	...	...
Open wound of foot, except toe	...	11	11	8	3	...	...	...
Open wound of toes	1	8	9	4	4	...	...	1
Multiple and unspecified open wounds of one lower limb	1	8	9	5	4	...	...	...
Traumatic amputation of toe	...	...	1	1	...	1	...	...
Traumatic amputation of foot	...	...	1	1	...	1	...	...
Traumatic amputation of leg	...	2	2	2	...	...	...	...
Multiple open wounds of both upper limbs	4	...	1	...	...	...	...	...
Multiple open wound of both lower limbs	1	4	5	5	...	...	...	...
Multiple open wounds of both head and lim	...	5	5	5	...	...	...	...
Multiple open wounds of both head and trunk	...	...	1	1	...	1	...	...
Multiple open wounds of both trunk and limb	...	7	7	1	4	1	1	...
Multiple open wounds of face with other sites	...	1	1	1	...	...	...	...
Multiple open wounds of unspecified location	...	15	15	3	6	1	1	4
Superficial injury of face and neck	...	16	16	9	4	3	...	...
Superficial injury of trunk	...	4	4	3	1	...	...	...
Superficial injury of shoulder and upper arm	...	1	1	1	...	...	...	...
Superficial injury of elbow, forearm and wrist	...	1	1	...	1	...	...	...
Superficial injury of finger	...	1	1	...	1	...	...	...
Superficial injury of hip, thigh, leg and ankle	...	9	9	7	2	...	...	...
Superficial injury of foot and toes	1	5	6	2	2	2	...	...
Superficial injury of other multiple and unspecified sites	...	14	14	8	4	2	...	...
Contusion of face and neck, except eye	...	11	11	2	...	...	...	...
Contusion of eye and orbit	...	3	3	...	3	...	...	...
Contusion of trunk	1	9	10	5	3	2	...	...
Contusion of shoulder and upper arm	...	1	1	1	...	...	...	...
Contusion of elbow, forearm, and wrist	...	1	1	...	1	...	...	...
Contusion of hip thigh, leg and ankle	...	4	4	...	3	...	...	1
Contusion of foot and toe	...	2	2	...	...	...	...	...
Contusion of other, multiple and unspecified sites	...	4	4	...	4	...	...	...
<b>Effects of Foreign body entering through orifice</b>								
Foreign body in nose	...	1	1	1	...	...	...	...
Foreign body in digestive tract	...	5	5	1	...	4	...	...
Foreign body in genito urinary tract	...	2	2	1	1	...	...	...

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
<b>Burns</b>									
Burn confined to face, head and neck	...	...	4	4	1	3	...	...	...
Burn confined to trunk	...	...	5	5	1	1	...	...	3
Burn confined to upper limb except wrist and hand	...	...	3	3	1	2	...	...	...
Burn confined to wrist and hand	...	2	1	1	...	1	...	...	...
Burn confined to lower limb	...	...	11	13	4	7	1	...	1
Burn involving face, head and neck with limb	...	...	10	10	2	3	1	4	...
Burn involving trunk with limb	...	...	13	15	6	5	1	3	...
Burn involving face, head and neck, with trunk and limb	...	3	15	18	1	5	3	7	2
Burn involving other and unspecified parts	...	1	82	83	28	22	5	26	2
<b>Injury to Nerves and spinal cord without bone injury</b>									
Injury to nerve in ankle and foot	...	...	1	1	1	...	...	...	...
<b>Effects of Poisons</b>									
Poisoning by noxious foodstuffs	...	...	1	1	...	1	...	...	...
Poisoning by alcohol	...	...	3	3	1	2	...	...	...
Poisoning by petroleum products	...	1	33	34	3	21	8	1	1
Poisoning by industrial solvents	...	...	4	4	...	4	...	...	...
Poisoning by corrosive aromatics, acids and caustic alkalis	...	1	10	11	1	7	3	...	...
Poisoning by mercury and its compounds	...	...	1	1	...	...	1	...	...
Poisoning by lead and its compounds	...	1	1	2	...	2	...	...	...
Poisoning by other gases and vapours	...	...	1	1	...	1	...	...	...
Poisoning by morphine and other opium derivatives	...	...	11	11	...	6	1	4	...
Poisoning by morphine and other opium derivatives	...	...	11	11	...	6	1	4	...
Poisoning by aspirin and salicylates	...	...	1	1	1	...	...	...	...
Poisoning by other analgesic and soporific drugs	...	...	2	2	...	2	...	...	...
Poisoning by belladonna, hyoscine and atropine	...	...	10	10	2	6	1	1	...
Poisoning by venom	...	...	54	54	4	22	26	1	1
Poisoning by other and unspecified substances	...	...	29	29	5	20	1	3	...
Effects of hunger	...	...	1	1	...	1	...	...	...
Effects of excessive exertion	...	...	1	1	...	1	...	...	...
<b>Other and unspecified injuries and reactions</b>									
Drowning and nonfatal submersion	...	...	2	2	...	2	...	...	...
Asphyxia and strangulation	...	...	1	1	1	...	...	...	...
Electrocution and nonfatal effects of electric currents	...	...	1	1	1	...	...	...	...
Other general effects of external causes	...	1	1	2	1	2	...	...	...
Other general effects of external causes	...	...	1	1	1	2	...	...	...
Fat embolism	...	...	2	2	...	...	...	...	...
Aneurysm Traumatic and arterial injury	...	...	...	...	...	...	...	...	...
Injury of other and unspecified nature	...	...	2	2	1	1	...	...	...
Face and neck except eye	...	...	15	15	6	9	1	...	...
Trunk	...	...	17	17	9	7	1	...	...
Shoulder and upper arm	...	...	4	4	2	2	...	...	...
Elb. w. forearm & wrist	...	...	9	9	5	4	...	...	...
Hands except fingers	...	...	11	11	9	2	...	...	...
Fingers	...	...	6	6	4	2	...	...	...
Hip and thigh	...	2	2	2	1	...	...	1	...
Knee, leg except thigh, ankle and foot	...	...	15	15	8	2	1	...	4
Other specified sites, including multiple	...	...	5	5	5	...	...	...	...
Unspecified site	...	...	1	1	1	...	...	...	...
Reactions and complications due to nontherapeutic medical and surgical procedure	...	...	7	7	4	3	...	1	...
Anaphylactic shock	...	...	1	1	1	...	...	...	...
Serum sickness	...	...	1	1	1	1	...	...	...
Medical or special examination	...	2	317	319	100	184	28	...	7
<b>Total</b>	...	239	9,530	9,769	4,365	3,113	1,046	949	296

## APPENDIX No. 4.

## Summary of operations performed at the Municipal General Hospital, Sion Bombay.

Class of Operations.	Nature of Operation	Re- mained on 1-3-54	Admit- ted	Total	Cured	Reliev- ed	Other- wise	Died	Re- mained on 31-12-54
1	2	3	4	5	6	7	8	9	10
Operations on tumours ...	Removal by excision or other methods.	...	22	22	16	...	6	...	...
	Other operations	...	2	2	1	1	...	...	...
Operations on cysts ...	Removal of enucleation or excision.	...	12	12	10	2	...	...	...
	Incision drainage etc.	...	4	4	2	2	...	...	...
Operations on abscess ...	For acute abscess—incision	3	224	227	188	31	4	...	4
	For chronic abscess—Incision and drainage.	...	6	6	4	2	...	...	...
	Other operations	...	19	20	10	8	...	...	2
Removal of foreign bodies	From the natural passages	...	1	1	1	...	...	...	...
	Impacted or embedded	...	13	13	8	5	...	...	...
Operations on arteries ...	Other Operations	...	1	1	1	...	...	...	...
Operation for aneurysm ...	Ligature and excision of sac.	...	1	1	1	...	...	...	...
Operations on veins ...	Ligature	...	2	2	1	1	...	...	...
	For varix—Excision or ligature	...	4	4	1	3	...	...	...
Operations on lymphatics...	Removal of glands by excision	...	17	17	14	3	...	...	...
	Other operations	...	5	5	1	3	1	...	...
Operations on nerves ...	Operation on nerves	...	9	9	6	3	...	...	...
Operations on skins and subcutaneous tissues.	Repair or wounds	...	345	345	112	203	21	1	8
	Skin grafting	1	108	109	32	68	7	...	2
	Removal of sinuses	...	4	4	4	...	...	...	...
	Removal of Carbuncles	...	3	3	3	...	...	...	...
Operations on bones (ex- cluding amputations).	Obstectomy, osteolasis	...	1	1	...	1	...	...	...
	Wiring, plating or otherwise unit- ing fractured bones.	...	22	22	12	10	...	...	...
	Removal of sequestra	...	16	16	7	7	2	...	...
	Other operations	...	15	15	13	2	...	...	...
Operations on joints (ex- cluding disarticulation).	Reduction of dislocation	...	1	1	1	...	...	...	...
	Tapping or aspiration with or without irrigation.	...	3	3	3	...	...	...	...
	Arthrectomy or erosion	1	...	1	1	...	...	...	...
	Arthrotomy with or without irriga- tion.	...	1	1	...	1	...	...	...
	Other operations	...	2	2	2	...	...	...	...
Operations on muscles, ten- dons bursae and fasciae.	Union of a divided muscles or tendon.	...	6	6	1	5	...	...	...
	Incision or removal of inflamed bursa.	1	...	1	1	...	...	...	...
	Other operations	...	8	8	3	3	2	...	...
Amputations and disarticu- lations.	Shoulder	...	3	3	1	2	...	...	...
	Arm.	...	3	3	3	...	...	...	...
	Elbow	...	4	4	4	...	...	...	...
	Forearm	...	1	1	1	...	...	...	...
	Wrist and hand	...	2	2	1	1	...	...	...
	Thigh	...	2	2	2	...	...	...	...
	Leg	...	7	7	4	1	1	...	...
	Ankle and foot	...	5	5	4	1	...	...	...
	Other amputations	...	5	5	4	1	...	...	...
Operations on the skull ...	Trephining	1	20	21	8	6	...	5	2
	Other operations	...	3	3	1	2	...	...	...
Operations on the brain and meningeal.	For abscess, tumour or cyst	...	1	1	1	...	...	...	...
	Other operations.	1	...	1	1	...	...	...	...
Operations on the spine, spinal cord and men- inges.	Other operations	...	2	2	...	2	...	...	...
Operations on the face ...	For hare-lip	...	3	3	2	1	...	...	...
	Other plastic operation on face and lips.	...	2	2	1	1	...	...	...
Operations on the salivary glands.	.....	...	1	1	1	...	...	...	...
Operations on within the mouth and on the naso- pharynx.	For new growth	...	1	1	1	...	...	...	...
	For cleft palate	...	2	2	...	2	...	...	...
	Removal of tonsils	8	658	666	642	8	...	...	16
	Incision of tonsillar or periton- sillar abscess.	...	...	3	3	...	...	...	...
Operations on the nasal ca- vities and accessory sinu- ses.	Removal of polypus or benign new growth.	...	1	1	...	1	...	...	...
Operations on the thyroid and parathyroid glands.	Partial removal of glands or remo- val of cyst or tumour.	...	10	10	7	3	...	...	...
Operations on the neck ...	Excision of glands	...	9	9	7	2	...	...	...
	Other operations	...	3	3	2	1	...	...	...
Operations on oesophagus	Other operations	...	2	2	2	...	...	...	...
Operations on the breast...	Excision of breast—simple and partial.	...	1	1	1	...	...	...	...
	Excision of breast—radical, with lymphatics	...	3	3	3	...	...	...	...
	Removal of cyst or new growth	...	5	5	5	5	...	...	...
	Other operations	...	2	2	2	...	...	...	...

Class of Operations.	Nature of Operation	Re- mained on 1-3-54	Admit- ted	Total	Cured	Reliev- ed	Other- wise	Died	Re- mained on 31-12-54	
1	2	3	4	5	6	7	8	9	10	
Operations on the thorax and its contents.	Incision and drainage of pleural cavity.	...	3	3	1	2	...	...	...	
	Other operations	...	1	12	13	7	5	1	...	
Operations on the abdomi- nal wall and cavity.	For inguinal hernia-for radical cure	4	192	196	158	22	10	...	6	
	For inguinal hernia-for strangula- tions.	...	15	15	10	4	1	...	...	
	For other forms of hernia	...	4	4	3	...	1	...	...	
	Paracentesis abdominis	...	1	1	1	...	...	...	...	
	Incision and drainage of peritoneal cavity.	...	1	1	1	...	...	...	...	
	Exploratory laparotomy	...	...	21	21	8	9	2	2	...
Operations on the stomach	Other operations	...	1	1	1	...	...	...	...	
	Gastro-enterostomy	...	1	14	15	9	4	2	...	
	Partial gastrectomy with anastomo- sis.	...	...	10	10	6	4	...	...	
Operations on the intestines	Other operations	...	...	6	6	3	3	...	...	
	Appendicectomy	...	1	52	53	36	11	4	...	2
	Intestinal anastomosis	...	...	18	18	7	6	3	2	...
	Reduction of internal hernia, in- tussusception, or volvulus, with or without resection of gut.	...	...	5	5	3	2	...	...	
	Suture for perforations or wound of gut.	...	1	21	22	8	6	2	4	2
Operations on the rectum and anus.	Other operations	...	...	3	3	2	1	...	...	
	For haemorrhoids	...	2	82	84	56	22	2	...	4
	Incision or excision of Anal fissure.	...	...	8	8	2	5	1	...	
	Incision or excision of Fistula in ano	...	1	99	100	70	26	1	...	3
	Incision or ischio-rectal abscess	...	2	16	18	11	5	1	...	1
	For prolapse of rectum	...	...	7	7	5	2	...	...	
Operations on the liver, gall bladder and bileducts.	Other operations	...	...	2	2	1	...	...	1	
	Cholecystectomy	...	...	1	1	1	...	...	...	
Operations on the spleen	Other operations	...	...	1	1	...	1	...	...	
	.....	...	...	1	1	1	...	...	...	
Operations on the kidneys and ureters.	Nephrotomy and nephro-lithotomy	...	...	7	7	4	2	1	...	
	Nephrectomy	...	...	6	6	5	1	...	...	
	Other operations	...	...	7	7	5	1	1	...	
Operations on the bladder	Cystoscopy	...	...	1	1	...	1	...	...	
	Puncture	...	...	5	5	4	1	...	...	
	Cystotomy, cystostomy	...	...	18	18	13	4	1	...	
	Lithotomy Supra-pubic	...	...	10	10	6	4	...	...	
	Litholapaxy	...	...	1	1	...	1	...	...	
Operations on the prostates	Prostatectomy	...	...	11	11	7	3	1	...	
Operations on the Uterus	Dilatation of stricture	...	...	11	11	10	1	...	...	
	Urethrotomy	...	...	3	3	2	1	...	...	
	Removal of calculus or foreign body	...	...	2	2	...	2	...	...	
	Other operations	...	...	3	3	1	2	...	...	
Operations on the male generative organs.	Circumcision	...	...	19	19	14	5	...	...	
	For paraphimosis and phimosis	...	...	5	5	4	1	...	...	
	Amputations of penis, partial or complete.	...	...	2	2	1	1	...	...	
	Puncture or incision of tunica vagi- nalis for hydrocele or haemato- cele.	...	...	8	8	7	1	...	...	
	For varicocele	...	...	2	2	2	...	...	...	
	Radical cure of hydrocele	...	6	414	420	384	16	8	...	12
	Excision of elephantoid scrotum and/or penis.	...	1	6	7	6	...	...	...	
	Removal of testis	...	...	8	8	5	3	...	...	
	Other operations	...	1	32	33	30	3	...	...	
Grand Total		...	38	2,816	2,854	2,093	595	86	16	64

APPENDIX No. 5.  
Statement of Gynae and Maternity Cases.

IN-PATIENTS											
Name of Diseases.	Remain- ing on 1-1-54	Admit- ted	Total	Cured	Reliev- ed	Other- wise	Deliv- ered	Left before delivery	Died	Remain under treat- ment on 31-12-54	
1	2	3	4	5	6	7	8	9	10	11	
<b>Other diseases of Urinary System.</b>											
Infections of kidney	...	2	2	...	2	...	...	...	...	...	
<b>Diseases of Breast, Ovary Fallopian Tube, and Parametrium.</b>											
Hypertrophy of breast	...	1	1	...	1	...	...	...	...	...	
Acute salpingitis and oophoritis	...	1	1	1	1	...	...	...	...	...	
Chronic salpingitis and oophoritis	...	2	2	1	1	...	...	...	...	...	
Salpingitis and oophoritis, unqualified	...	1	1	...	1	...	...	...	...	...	
Other diseases of ovary and Fallopian tube	...	10	11	1	9	1	...	...	...	...	
Diseases of parametrium and pelvic peritoneum	...	1	13	14	8	1	5	...	...	...	
<b>Diseases of Uterus and other Female Genital Organs.</b>											
Cervicitis	...	4	4	3	1	...	...	...	...	...	
Other infective diseases of uterus	...	4	4	3	3	...	...	...	...	1	
Vaginitis and vulvitis	...	10	10	5	5	...	...	...	...	...	
Uterovaginal prolapse	...	1	23	23	9	8	5	...	...	1	
Malposition of uterus	...	5	5	2	3	...	...	...	...	...	
Other diseases of uterus	...	9	9	3	5	1	...	...	...	...	
Disorders of menstruation	...	159	160	80	64	12	...	...	...	4	
Menopausal symptoms	...	10	10	5	4	1	...	...	...	...	
Sterility, female	...	99	99	20	62	15	...	...	...	2	
Other diseases of female genital organs	...	2	2	...	1	1	...	...	...	...	
Other	...	3	3	3	...	...	...	...	...	...	
<b>XII.—Deliveries and Complications of Pregnancy, Childbirth, and the Puerperium.</b>											
<i>Complications of Pregnancy.</i>											
Pyelitis and pyelonephritis of pregnancy	...	4	4	2	2	...	...	...	...	...	
Other infections of genito-urinary tract during Pregnancy.	...	3	3	2	1	...	...	...	...	...	
Toxaemia of pregnancy	...	7	7	2	...	...	...	...	1	4	
Renal disease arising during pregnancy	...	2	22	24	...	...	22	2	...	...	
Eclampsia of pregnancy	...	1	9	10	3	4	3	...	...	...	
Hyperemesis gravidarum	...	9	9	3	4	2	...	...	...	...	
Other	...	7	7	3	1	...	1	...	2	...	
Placenta praevia	...	7	7	...	...	...	6	...	...	1	
Other haemorrhage of pregnancy	...	15	15	...	...	...	13	1	1	...	
Ectopic pregnancy	...	9	9	6	3	...	...	...	...	...	
Ectopic without mention of sepsis	...	2	2	...	...	...	...	...	...	2	
Ectopics with sepsis	...	1	1	1	1	...	...	...	...	...	
Anaemia of pregnancy	...	45	45	35	1	...	2	...	...	7	
Pregnancy with malposition of foetus in uterus	...	39	39	8	1	...	39	...	...	...	
Threatened abortion	...	10	10	8	1	1	...	...	...	...	
Hydatiform mole	...	4	4	3	1	...	...	...	...	...	
Other	...	3	800	803	9	2	4	...	786	2	
Pregnancy associated with other conditions	...	1	10	11	1	...	8	1	...	1	
<b>Abortion.</b>											
Spontaneous or unspecified	...	6	349	355	301	31	19	...	...	4	
Induced for medical or legal indication	...	24	24	16	7	1	...	...	...	...	
Abortion with sepsis—Spontaneous or unspecified.	...	6	6	4	2	...	...	...	...	...	
<b>Delivery without complication.</b>											
Spontaneous	...	40	4,000	4,040	...	...	3,989	...	1	50	
Forceps low and unspecified	...	2	3	5	...	...	4	...	1	...	
Other surgical or instrumental, except caesarean section.	...	1	1	2	...	...	2	...	...	...	
Caesarean Section	...	3	3	...	...	...	2	...	1	...	
Delivered before admission	...	3	6	9	...	...	9	...	...	...	
<b>Delivery with specified complication.</b>											
Delivery complicated by placenta praevia or antepartum haemorrhage.	...	14	14	...	...	...	13	...	...	1	
Delivery complicated by retained placenta	...	3	3	1	1	...	...	...	1	...	
Delivery complicated by other postpartum haemorrhage.	...	7	7	3	...	...	4	...	...	...	
Delivery complicated by disproportion or malposition of foetus.	...	92	92	...	...	...	90	...	...	2	
Delivery complicated with laceration of perineum, without mention of other laceration.	...	7	108	115	...	...	112	...	...	3	
Delivery complicated with other trauma	...	1	1	...	...	...	...	...	1	...	
Delivery with other complications of childbirth	...	3	3	...	...	...	2	...	1	...	
<b>Complications of the Puerperium.</b>											
Puerperal urinary infection without other sepsis.	...	1	1	1	...	...	...	...	...	...	
Sepsis of childbirth and the puerperium	...	5	5	5	...	...	...	...	...	...	
Puerperal phlebitis and thrombosis	...	7	7	5	2	...	...	...	...	...	
Pyrexia of unknown origin during the puerperium.	...	2	2	...	2	...	...	...	...	...	
Other forms of puerperal toxæmia	...	3	3	...	...	...	2	...	1	...	
Total	...	70	5,998	6,068	554	236	71	4,320	790	11	86

## APPENDIX No. 6.

Summary of operations performed in the Annamabai Deshmukh Hospital for women during the year 1954.

Class of Operation.	Nature of Operation.	RESULTS OF OPERATIONS.								
		Re- mained on 1-1-54	Ad- mitted.	Total	Cured	Re- lieved.	Other- wise.	Died.	Re- maining patients on 31-12-54	Out-door patients operated upon
1	2	3	4	5	6	7	8	9	10	11
Operations on abscesses ...	For acute abscess-incision ...	...	10	10	10	...	...	...	...	...
Operations on breast ...	Other operations ...	...	3	3	1	2	...	...	...	...
Operations on the abdominal wall and cavity.	For inguinal hernia ...	...	3	3	3	...	...	...	...	...
	Incision and drainage of peritoneal cavity ...	...	2	2	...	1	...	1	...	...
	Exploratory laprotomy ...	...	4	4	2	2	...	...	...	...
	Other operations ...	...	1	1	1	...	...	...	...	...
Operation on the intestines	Appendicectomy ...	...	3	3	3	...	...	...	...	...
Operation on the urethra	Other operations ...	...	1	1	...	1	...	...	...	...
Operation on the female generative organs.	Operations on the Uterine adnexa—									
	For ovarian cyst or tumour ...	...	3	3	2	1	...	...	...	...
	For ectopic gestation ...	...	10	10	10	...	...	...	...	...
	Ligature, division, partial or total excision of fallopian tubes for production of sterility ...	1	144	145	141	...	...	...	4	...
	Tubal inflation ...	...	12	12	10	1	...	...	1	970
	Ventrisuspension (Gilliam's operations) ...	...	24	24	18	6	...	...	...	...
	Other operations ...	...	4	4	2	1	...	1	...	...
	Abdominal operations on the uterus ...	...	1	1	...	...	...	1	...	...
	Radical (Wertheim's) Hysterectomy ...	...	1	1	1	...	...	...	...	...
	Total hysterectomy, with or without removal of adnexa ...	1	16	17	11	6	...	...	...	...
	Sub-total hysterectomy Do. ...	...	11	11	8	1	...	1	1	...
	Myomectomy ...	...	1	1	1	...	...	...	...	...
	Ventrixfixation ...	...	2	2	1	1	...	...	...	...
	Other operations ...	...	2	2	2	...	...	...	...	...
	Vaginal operations on the uterus ...									
	Curettage, with or without dilatation of the cervix ...	3	313	316	238	74	2	...	2	...
	Removal of polypus of fibroid ...	...	5	5	4	1	...	...	...	...
	Hysterectomy ...	...	28	28	21	6	...	...	1	...
	Replacement of inverted or prolapsed uterus ...	...	3	3	3	...	...	...	...	...
	Other operations ...	...	46	46	31	12	...	...	3	...
	Dilatation ...	...	14	14	10	4	...	...	...	36
	Other operations ...	...	3	3	3	...	...	...	...	237
	Operations on the vagina and perineum ...									
	Anterior colporrhaphy, with or without amputation of the cervix ...	...	3	3	1	2	...	...	...	...
	Perineorrhaphy, with or without posterior colporrhaphy ...	...	8	8	6	2	...	...	...	...
	Excision or repair of fistula ...	...	2	2	2	...	...	...	...	...
	Other operations ...	...	25	25	17	5	1	...	2	...
Obstetric Operations	Evacuation of pregnant uterus ...	...	163	163	161	2	...	...	...	...
	Version, podalic or cephalic Internal ...	...	10	10	10	...	...	...	...	...
	Application of forceps ...	...	49	49	48	1	...	...	...	...
	Craniotomy, with extraction of foetus ...	...	4	4	...	...	...	...	...	...
	Caesarean Section Classical ...	...	11	11	10	1	...	...	...	...
	Lower segment ...	...	59	59	51	8	...	...	...	...
	Episiotomy ...	7	288	295	285	...	...	...	10	...
	Manual of placenta ...	...	15	15	15	...	...	...	...	...
	Immediate suture of torn perineum ...	5	340	345	339	...	...	...	6	...
	<b>Total</b> ...	<b>17</b>	<b>1,647</b>	<b>1,664</b>	<b>1,486</b>	<b>141</b>	<b>3</b>	<b>4</b>	<b>30</b>	<b>1,243</b>

## APPENDIX No. 7.

*The Pathological Investigations carried out on Out-patients during the year 1954.*

	Nos.
(1) Routine Examination of Urine	416
(2) Routine Examination of Faeces	1,286
(3) Complete Cytology	340
(4) R. B. C. count and Haemoglobin percent.	952
(5) Total and Differential count of W. B. C.	2,764
(6) Bleeding Time	806
(7) Examination of Blood for Filaria	269
(8) Examination of Sputum	191
(9) Examination of Semen	179
(10) Erythrocyte Sedimentation Rate	947
(11) Smear Examination—	
(a) Throat Swab	231
(b) Nasal Swab	10
(c) Cervical discharge	12
(d) Urethral Discharge	39
(e) Pleural fluid	7
(f) Pus	33
(g) Scraping for L. D. Bodies	7
(h) Vaginal discharge	9
Total	8,498

## APPENDIX No. 8.

*The Pathological investigations carried out on In-patients during the year 1954.*

(1) Routine Examination of the Urine	...	6,947
(2) Examination of Blood—		
(a) Complete cytology	...	2
(b) Platelet Count	...	30
(c) Coagulation time of Blood	...	69
(d) Bleeding time of Blood	...	71
(e) Grouping and Matching of Blood	...	1,310
(f) Microfilaria	...	
(g) Erythrocyte sedimentation rate of Blood	...	682
(h) Malaria parasites	...	2
(i) Myelogram	...	13
(3) Examination of Faeces	...	5,480
(4) Examination of Sputum	...	2,346
(5) Examination of Puncture Fluids—		
(a) Cerebro-spinal fluid Routine	...	909
(b) Pleural fluid routine	...	167
(c) Peritoneal fluid routine	...	117
(6) Histopathology—		
No. of specimens received	...	575
No. of blocks cut	...	779
(7) Bacteriology—		
(a) Cultural examination of Urine	...	434
(b) Cultural examination of Urine for <i>M. tuberculosis</i>	...	8
(c) Cultural examination of Blood	...	34
(d) Cultural examination of C. S. F.	...	12
(e) Cultural examination of Pleural fluid	...	18
(f) Cultural examination of Pus	...	33
(g) Cultural examination of Pus for <i>M. tuberculosis</i>	...	7
(h) Cultural examination of sputum	...	4
(i) Cultural examination of sputum for <i>M. tuberculosis</i>	...	2
(j) Cultural examination of throat Swab	...	231
(k) Cultural examination of Nasal Swab	...	10
(l) Cultural examination of Blood clot	...	498
(m) Cultural examination of stool	...	9
(8) Serology—		
(a) Widal tests	...	547
(b) Weil felix tests	...	5
(c) Agglutination test for Brucella group	...	10
(d) Kahn Test	...	3,952
(e) Wassermann Test	...	178
(f) Cold Agglutination test	...	
(g) Aldehyde test	...	13
(h) Paul Bunnols tests	...	1
(9) Biological Test—		
(a) Casoni's Tests	...	3
(10) Blood Bank—		
(a) Number of Blood Samples collected	...	681
(b) Number of blood samples supplied for transfusion	...	600
(c) Number of overdue samples used for Plasma separation	...	71
(d) Number of blood samples discarded	...	10
(11) Smear Examination—		
(a) Peritoneal fluid	...	
(b) Pleural fluid	...	
(c) Cerebro-spinal fluid	...	335
(d) Leishman Donovan bodies	...	10
	Total ...	27,215

## APPENDIX No. 9.

## AUTOPSY SECTION

*197 Autopsies were performed during the year 1954.*



## APPENDIX No. 10

*Biochemical Investigations carried out on In-patients during 1954:—*

1. Blood—		
1. Sugar (Fasting level of glucose)	...	464
2. Non-protein Nitrogen	...	255
3. Urea Nitrogen	...	227
4. Total Proteins	...	334
5. Albumin/Globulin Ratio	...	334
6. Calcium	...	12
7. Icterus Index	...	404
8. Van-den Bergh Reaction	...	404
9. Cholesterol	...	66
10. Phosphorus and Phosphatases	...	5
11. Prothrombin Concentration	...	4
12. Uric Acid	...	3
2. Gastric Juice—		
Analysis by Fractional Method	...	368
3. Cerebro-spinal Fluid—		
(1) Chlorides	...	630
(2) Sugar	...	612
4. Urine Sugar (Quantitative)	...	698
5. Special Investigations—		
(1) Glucose Tolerance Test	...	21
(2) Urea Clearance Test	...	22
(3) Basal Metabolic Rate	...	66
(4) Kepler's Water retention Test	...	2
(5) Vital Capacity	...	7
	Total ...	4,938

## APPENDIX No. 11

*Intravenous Infusions manufactured in the Pharmacy Section during 1954:—*

	No. of Bottles.
(1) Glucose Saline (500 cc. in each)	6,978
(2) Glucose Solution—5 per cent. (500 cc. in each)	1,601
(3) Anti-coagulant Solution (40 cc. in 500 cc. bottle)	692
(4) Normal Saline (500 cc. in each)	676
(5) Distilled Water (500 cc. in each)	507
(6) Ringer's Solution (500 cc. in each)	168
(7) Potassium Saline (500 cc. in each)	132
(8) Novocaine 2 per cent. (250 cc. each)	88
(9) Hypertonic Saline 5 per cent. (500 cc. in each)	43
(10) Sodium Citrate 3 per cent. (500 cc. in each)	40
(11) Sodium Sulphate Isotonic (500 cc. in each)	32
(12) Novocaine 1 per cent. (250 cc. each)	16
(13) Sodium Glutamate (80 cc. in each)	23
(14) Sodium Iodide 12.5 per cent. (500 cc. in each)	8
(15) Anethaine (250 cc. each)	7
(16) Hypertonic Saline 15 per cent. (500 cc. in each)	4
(17) Alcohol 5 per cent. (500 cc. in each)	4
	Total ... 11,019
	No. of vials.
(18) Distilled Water (20 cc. each)	1,528
(19) Novocaine 2 per cent. (20 cc. each)	1,325
(20) Novocaine 1 per cent. (20 cc. each)	137
	Total ... 2,990

## APPENDIX No. 12

*Investigations carried out under "Anaemia Research Enquiry" during 1954:*

(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	...	721
(2) Myelograms	...	101
(3) Reticulocyte count	...	2,520
(4) Sedimentation Rate	...	133
(5) Total Proteins	...	133
(6) Albumin/Globulin Ratio	...	133
(7) Van-den-Bergh Reaction	...	133
(8) Icterus Index	...	133
(9) Analysis of Gastric Juice	...	133
Total ...		4,140

## APPENDIX No. 13.

*Clinical conditions for which E. C. G. were taken during the year 1954.*

Clinical conditions	Male	Female	Total
1 Rheumatic infection—active	...	3	3
2 Rheumatic infection—Inactive—mitral valve disease	8	11	19
3 Rheumatic infection—combined valve disease	...	1	1
4 Syphilitic infection—aortic valve disease	9	...	9
5 Syphilitic infection—Aneurysm of Aorta	2	...	2
6 Hypertension—essential	4	2	6
7 Hypertension—Unknown Cause	14	6	20
8 Hypertension—renal	1	...	1
9 Hypertension—malignant	1	...	1
10 Hypertension—Arteriosclerotic	...	...	...
11 Respiratory conditions—Bronchial Asthma	...	2	2
12 Respiratory conditions—Pulmonary Hypertension	1	...	1
13 Endocrinopathies—thyrotoxicosis	1	1	2
14 Endocrinopathies—Ovarina	...	1	1
15 Drugs effects	1	...	1
16 Metabolic disturbances—Vitamin Deficiency	1	...	1
17 Metabolic disturbances—Potassium Deficiency	...	1	1
18 Congenital heart conditions	4	3	7
19 Irregularities of Pulse—auricular fibrillation	3	7	10
20 Irregularities of pulse—extrasystoles	1	1	2
21 Irregularities of pulse—Bradycardia	2	...	2
22 Irregularities of pulse—tachy cordia (including Paroxysmal)	2	1	3
23 Coronary artery occlusion—hypertension	...	...	...
24 Coronary artery occlusion—arterio sclerosis	...	1	1
25 Coronary artery occlusion—Unknown Cause	30	3	33
26 Chest pain—resembling angina	2	...	2
27 Chest pain—not resembling angina	3	...	3
28 Chest pain—palpitation	2	...	2
29 Diseases of pericardium—tuberculosis	1	1	2
30 Diseases of pericardium—effusion	...	1	1
31 Syncopal attack	2	...	2
32 Miscellaneous	9	1	10
33 Congestive cardiac failure of unknown origin	15	5	20
Total ...	111	52	171

## APPENDIX No. 14.

## MUNICIPAL GENERAL HOSPITAL, SION, POOR BOX FUND.

Statements of Accounts for the year 1954-55.

RECEIPTS.	AMOUNT.	EXPENDITURE.	AMOUNT.
	Rs. a. p.		Rs. a. p.
To Balance in hand on 31-3-1954	74,803 8 9	By Revenue Stamps, etc.	46 5 0
„ Collection from Poor Boxes	5,493 2 0	„ Conveyance Charges	107 1 0
„ Donations	1,569 15 0	„ Costly drugs and medicines	11,940 10 3
„ Blood Transfusion and Plasma	4,780 8 0	„ Blood Transfusion and Plasma	7,112 5 6
„ Interest received including refund of Income Tax	1,392 13 0	„ Miscellaneous	1,634 8 9
„ Issue of certificates etc.	4,926 0 0	„ Printing and Stationery	199 5 0
„ Sale of Costly drugs and Medicines	12,846 13 0	„ Establishment Charges	948 15 0
„ O. P. D. Canteen.	1,800 0 0	„ Moiety to Resident Medical Officer's	2,463 0 0
„ Miscellaneous	1,877 4 0	„ Amenities to poor patients	68 13 9
		Total	24,540 15 6
		„ Deposit with Municipal Co-Operative Bank Ltd.	30,000 0 0
		„ National Saving Certificates	30,000 0 0
		„ Balance in Central Bank of India, Ltd.	24,945 12 0
		„ Balance in hand	3 4 3
			84,949 0 3
Total	1,09,489 15 9	Total	1,09,489 5 9

## STATEMENT No. 14-A.

Balance Sheet of the M. G. H. Sion Poor Box Fund as on 31st March 1955.

LIABILITIES.	AMOUNT.	ASSETS.	AMOUNT.
	Rs. a. p.		Rs. a. p.
Fund Account (Balance)	74,803 8 9	Cash Balance on hand as on 31-3-1955	3 4 3
Excess of receipts over payments	10,145 7 6	Cash Balance with Central Bank of India Ltd.	24,945 12 0
		<i>Investments.</i>	
		Municipal Bank	30,000 0 0
		National Saving Certificates	30,000 0 0
Total	84,949 0 3	Total	84,949 0 3

## APPENDIX No. 15

## Municipal General Hospital, Sion, Poor Box Fund

List of Donors who have donated Rs. 50 and above on the occasion of Diwali and X-Mass (New Year) during the year 1954-55:—

Name.	Amount.
	Rs. a. p.
(1) The Director, W. T. Surgen & Co, Ltd.	50 0 0
(2) Shri H. J. Chinoy, Presidency Magistrate, Bombay, (Out of the charity moneys of the court at his disposal)	100 0 0
(3) Hon. Secretary, The Sion Peoples' Consumers Co-operative Society Ltd.	50 0 0
(4) The Hon. Secretary, Indian Red Cross Society. (*In form of articles)	400 0 0*
Total	600 0 0

## APPENDIX No. 16.

*Medical Staff.*

(1) Dr. D. D. Vora, M.D., F.C.P.S., 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.	... Pathologist.
(5) Dr. G. H. Nerurkar, M.B.B.S., D.M.R., D.M.R. E.	... Honorary Radiologist.
(6) Dr. G. B. Hanji, M.B.B.S., D.A.	... Anaesthetist.
(7) Dr. H. C. Merchant, M.D.	... Senior Medical Registrar.
(8) Dr. M. N. Gheewala, M.S.	... Senior Surgical Registrar.
(9) Dr. J. H. Fonszcz, M.D.	... Senior Gynaec Registrar.

## APPENDIX No. 17.

*A.—In Patients.*

	1952	1953	1954
(1) Strength of Beds	... 300	300	300
(2) Daily average number of In patients	... 339	350.5	372
(3) Total number of In door Admissions	... 12,002	14,018	15,528
(4) Average number of days each patient was resident	... 10.3 days	9.5 days	8.7 days
(5) Average cost on diet per patient per day	... 0 15 5	0 15 6	0 14 6

*B.—Out Patients.*

(1) Total number of New out patients	... 62,195	70,014	77,718
(2) Daily average number of New Out Patients	... 212.7	228.8	249.8

## APPENDIX No. 18.

	1952.	1953	1954.
(1) X—Rays	... 3,686	3,077	4,494
(2) Screening	... 15,385	28,852	1,28,378
(3) Diathermy	... 1,080	1,315	1,258
(4) Ultra-Violet Rays	... 2,921	4,891	4,469
(5) Barium Meals	... 520	336	322
(6) Barium Enemas	... 227	190	130
(7) Infra Red Reys	... ..	...	15
(8) Deep Therapy	... ..	87	1,012

# GROUP OF T. B. HOSPITALS, SEWRI

The Group of T. B. Hospitals consists of the Ramesh Premchand Tuberculosis Hospital, the Extension Blocks (two hutments), the Bahadurji Block and the Turner Sanatorium. The three T. B. Clinics, viz., the Turner T. B. Clinic at Princess Street, the Foras Road T. B. Clinic and the Lalbaug T. B. Clinic are attached to these Hospitals.

Dr. M. S. Kavarana, M.B.B.S., F.C.P.S., D.M.R.E. (Cantab), T.D.D. (Wales) was in charge of the Hospital and the T. B. Clinics, as Superintendent, during the year under report.

Dr. I. D. Killawala, M.B.B.S., T.D.D. (Bom.), held the post of Assistant Medical Officer (formerly styled as Resident Medical Officer) during the year under report.

Dr. J. H. Vanarase, M.B.B.S., T.D.D. (Wales), was the Medical Officer in-charge, Princess Street T. B. Clinic, and Dr. S. A. Shah, M.B.B.S., T.D.D. (Madras) was the Medical Officer in-charge, Foras Road and Lalbaug T. B. Clinics.

The beds allotted to the medical and surgical units were redistributed and 3 more surgical and 2 more medical units were created. Thus 5 medical and 4 surgical units worked during the year.

New posts of Clinical Assistants without honorarium, were also created as additional help to the units and also to enable aspiring candidates to gain experience in this speciality.

The Honorary Staff attached to the Group of T. B. Hospitals is shown in Appendix No. 1.

## APPENDIX No. 1

Honorary Physician	...	Dr. S. S. Ugrankar, M.B.B.S., M.R.C.P. (Lond.).
Honorary Physician	...	Dr. R. M. Patel, M.D. (Bom.), T.D.D. (Wales).
Honorary Physician	...	Dr. S. P. Mehta, M.D. (Bom.).
Honorary Physician	...	Dr. N. M. Shah, M.D. (Bom.), M.R.C.P. (Lond.).
Honorary Physician	...	Dr. M. D. Deshmukh, M.R.C.P. (Lond.), T.D.D. (Wales).
Hon. Asst. Physician	...	Dr. J. H. Thacker, M.D., D.C.H., D.M.R.E. (Bom.).
Hon. Asst. Physician	...	Dr. S. D. Store, F.C.P.S., M.D. (Bom.), M.R.C.P. (Ed.).
Clinical Asst. (Med.)	...	Dr. T. B. Master, M.D., F.C.P.S. (Bom.), T.D.D. (Wales).
Clinical Asst. (Med.)	...	Dr. B. N. Lulla, M.D. (Bom.), M.R.C.P. (Ed.).
Clinical Asst. (Med.)	...	Dr. R. M. Kanadia, M.D. (Bom.), F.R.F.P.S. (Glasgo). D.T.M. & H., (Lond.), M.R.C.P. (Ed.).
Clinical Asst. (Med.)	...	Dr. S. L. Balse, M.D., M.R.C.P., (Lond.), M.R.C.P.E., D.C.H. (Eng.). D.T.M. & H. (Eng.).
Clinical Asst. (Med.)	...	Dr. J. C. Kothari, M.D. (Bom.).
Honorary Surgeon	...	Dr. C. S. Patel, M.B., L.R.C.P., F.R.C.S. (Eng.).
Honorary Surgeon	...	Dr. M. K. Vora, M.S. (Bom.).
Honorary Surgeon	...	Dr. B. R. Billimoria, F.R.C.S. (Eng.).
Honorary Surgeon	...	Dr. K. N. Dastur, M.S. (Bom.), F.R.C.S. (Eng.).
Hon. Asst. Surgeon	...	Dr. K. A. Dalal, M.B.B.S., (Bom.), F.R.C.S. (Ed.).
Hon. Asst. Surgeon	...	Dr. M. P. Mehta, M.S., (Bom.), F.R.C.S. (Ed.), F.R.C.S. (Eng.).
Clinical Asst. (Surgical)	...	Dr. V. S. Sheth, M.B.B.S., (Bom.), F.R.C.S. (Eng.).
Clinical Asst. (Surgical)	...	Dr. A. P. Desai, M.S. (Bom.), F.R.C.S., (Eng.).
Clinical Asst. (Surgical)	...	Dr. Y. L. Ganjawala, M.B., F.R.C.S., (Ed.).
Clinical Asst. (Surgical)	...	Dr. N. A. Shah, M.S., (Bom.), F.R.C.S., (Eng.).
Hon. E. N. T. Surgeon	...	Dr. O. Chandra, D.L.O., M.S., (Madras).
Hon. Anaesthetist	...	Dr. S. G. Talwalkar, M.B.B.S., (Bom.), D.A.R.C.P., (Lond.). F.F.A.R.C.S., (Eng.).
Hon. Anaesthetist	...	Dr. P. J. Nawathe, M.B.B.S., D.A., (Bom.).
Hon. Asst. Anaesthetist	...	Dr. M. B. Thaker, M.B.B.S., D.A., (Bom.).
Hon. Asst. Anaesthetist	...	Dr. D. V. Meher, M.B.B.S., D.A., (Bom.).
Hon. Pathologist	...	Dr. M. G. Pradhan, M.B.B.S., (Bom.), D.T.M. & H. (Eng.). Ph.D. (Lond.).
Hon. Radiologist	...	Dr. S. S. Katdare, M.B.B.S., D.M.R.E., (Bom.).

Dr. Bhaskar Patel, retired Honorary Physician, was appointed as Honorary Consulting Physician to the Group of T. B. Hospitals.

## Accommodation

33 additional beds were added during the year. The scheduled strength of the beds was thus 348 as against 315 during the year 1953.

Details of beds							
					Males	Females	Total
(a) Medical	...	...	...	...	104	101	205
(b) Surgical	...	...	...	...	79	64	143
				Total	183	165	348

These beds were also classified as 'early' and 'advanced' beds as follows:

					Males	Females	Total
Beds for 'early' cases	...	...	...	...	143	115	258
Beds for 'advanced' cases	...	...	...	...	40	50	90
				Total	183	165	348

### Admissions

The number of patients suffering from Pulmonary Tuberculosis in various stages of the disease, treated at the Group of T. B. Hospitals during the year are shown in Appendix No. 2.

#### APPENDIX No. 2

(1) Cases remaining on 1st January 1954	...	326	} 1316 M. 968 F.
(2) New cases admitted from 1st January 1954 to 31st December 1954	...	2284	
Total number of cases treated during 1954		...	2610

#### Analysis of results

(a) Discharged as improved	...	1671	
(b) Discharged as not improved	...	56	
(c) Non-T. B. cases	...	85	
(d) Left prematurely against advice	...	201	
(e) Patients died	...	256	
(f) Patients remaining on 1st January 1955	...	341	
Total		...	2610

The number of patients admitted and deaths that occurred according to age-groups are as shown in Appendix No. 3

#### APPENDIX No. 3

Age	No. of patients admitted	No. of deaths occurred	
1-5	Nil.	...	
5-10	Nil.	...	
10-15	45	3	
15-20	354	25	
20-25	599	55	
25-30	471	39	
30-35	292	42	
35-40	210	24	
40-45	121	18	
45-50	82	22	
50-55	56	14	
55-60	28	11	
60-65	13	2	
65-70	6	1	
70-75	...	...	
75-80	1	...	
Total	...	2284	256

The heaviest morbidity was in the age-group between 20 and 30 years as has been the case in previous years. The mortality figures also reveal a high incidence of death in the age-group between 20 and 35 years.

#### Out Patients Department

The out-patients department was conducted at the Turner T. B. Dispensary at the Princess Street every morning, and on certain days in the afternoon, by the Honorary Physicians and Surgeons attached to the Hospitals. The patients had to be kept on the waiting lists prior to admission on account of shortage of beds.

#### New Works and Special Repairs

The following new works and special repairs were carried out at the Hospitals.

(1) Providing barbed wire fencing with concrete poles for the compound wall at the Turner Sanatorium	...	685
(2) Renewing 3 storage tanks attached to labour staff chawls at the R. P. T. B. Hospital	...	1,051
		1,736

#### Works Committee and the Welfare Centre

The Works Committee and the Welfare Centre established in 1950 as per the Adjudicator's award continued to function during the year. The latter was supervised by the Labour Officer. Two meetings of the Works Committee were held during the year under report. Welfare activities such as literacy classes, library, games, debates, entertainment programmes etc. were carried out during the year.

#### Panel Committee

Offences committed by the Hospital labour employees were investigated by a Panel consisting of the A. M. O., Matron, the Labour Officer and a representative of Labour.

### Library

Indian and foreign medical journals were regularly subscribed for the benefit of the Medical Staff. A few new books were also purchased and added to the library.

### Visits

The Hospitals were visited, among others, by eminent personalities including the W. H. O. T. B. Advisor to the Ceylon Government and the W. H. O. consultant on Social Medicine.

### Teaching

Instructions in tuberculosis were given to the undergraduates of the G. S. Medical College preparing for the M.B.B.S., degree examination of the University of Bombay.

The students of the Sanitary Institute were also shown the working of the various departments and also the follow-up work of tuberculosis patients and their families.

The post-graduate students of the Army Medical College also visited the hospitals and were shown the working of the Hospitals.

### Special Features

The various departments of these Hospitals had the advantage of the most modern and upto-date apparatus and equipment.

All the departments, viz., (1) X-ray Department, (2) Laboratory (3) E. N. T. Department, (4) Operation Theatre and (5) Discharged patients follow-up Department and the out-door A. P. & P. P. Refill Centre worked smoothly and did useful work.

### I—X-ray Department

There were 3 X-Ray plants in the department, viz., (a) one high-power 400 M. A. machine for Radiography and Tomography, (b) one 60 M. A. screening machine for routine screening of in-patients and out-patients coming for A. P. & P. P. refills, and (c) one portable machine for taking X-ray of freshly operated cases, other acute cases and cases with haemoptysis.

The number of skiagrams, Screenings and Bronchographies done were 2385, 27361 and 55 respectively.

### II—Laboratory

The laboratory had the advantage of complete equipment including an incubator for cultural work, high pressure steam autoclave, a hot-air oven sterilizer, microscopes, distilling plants, centrifugal machines, electric photometers for blood chemistry work and a 30 cubic feet refrigerator for storing sera, vaccine, blood for transfusion etc. The work done by the department during the year is shown in Appendix No. 4.

#### APPENDIX No. 4

Blood grouping	...	...	...	...	...	671
Blood matching	...	...	...	...	...	257
Hgb. estimations	...	...	...	...	...	2438
Total R. B. C. count...	...	...	...	...	...	2201
Total W. B. C.	...	...	...	...	...	2283
Differential W. B. C. count	...	...	...	...	...	2265
Serology—Kahn Test	...	...	...	...	...	11
Sputum direct	...	...	...	...	...	7442
Sputum concentration	...	...	...	...	...	815
E. S. R.	...	...	...	...	...	2825
Urine Examination	...	...	...	...	...	2327
Stools Examination	...	...	...	...	...	2129
Miscellaneous (Blood chemistry etc.)	...	...	...	...	...	14
Solution: 41 Litres of Procaine Hydrochloride solution						
30 Litres of citrated saline 3 per cent.						

### III—EAR NOSE THROAT DEPARTMENT

1,130 new cases were examined in this department during the year and 62 Bronchoscopies were performed on patients.

### IV—OPERATION THEATRE

The Operation Theatre had the advantage of a battery of electrically operated high pressure Sterilizers, germicidal lamps, thermotic drainage pumps, suction pumps, electro-coagulation diathermy machine, Compur overholt operation table for thoracic surgery, another operation table with special devices, suitable theatre lights and complete sets of upto-date instruments for general and chest surgery. A large number of surgical instruments made by Stille's and Genito Urinary Co. for lung and heart surgery as well as sets of thorascopes were in regular use. The operation theatre being airconditioned, provided great comfort to the patients and staff during operations which were often of prolonged duration. The details of surgical work done is shown in Appendix No. 5

## APPENDIX No. 5.

Phrenic evulsions	...	...	...	...	...	221
Thoracoscopy and cauterisation...	...	...	...	...	...	10
Thoracoplasty	...	...	...	...	...	130
Lobectomy	...	...	...	...	...	25
Thoracotomy	...	...	...	...	...	4
Bronchoscopy	...	...	...	...	...	68
Pneumonectomy	...	...	...	...	...	52
Bronchography	...	...	...	...	...	31
						541
				Total	...	541

## V—DISCHARGED PATIENTS FOLLOW UP DEPARTMENT

and

## Out-door A. P. and P. P. Centre.

The follow-up of discharged patients and giving them A. P. & P. P. refills was continued during the year. The total number of such A. P. & P. P. refills given were 1,438 and 23,018 respectively. The stay of the patients being limited to two months on an average on account of the limited number of beds available, the administration of A. P. & P. P. refills after discharge was considered to be the best way by which continuity of treatment and follow-up of the patients could be maintained. In some cases, the patients were attending this department for follow-up continuously for over 3 years. There were 1001 new admissions to the out-door A. P. & P. P. refill department during the year. Refills were also given at the Municipal T. B. Clinics at Princess Street and Foras Road, when such patients were directed as were staying in the vicinity of those clinics and who found it convenient to go there.

The discharged patients were also followed up by the Honoraries by regular periodical check-up at the R. P. T. B. Hospital.

Work done in the wards consisted of: 72 Primary A. Ps. 833 Primary P. Ps. 262 A. P. Refills and 3869 P. P. Refills.

Expenditure.—The average expenditure per patient per day was Rs. 6-6-0. The total expenditure on the Group of T. B. Hospitals amounted to Rs. 7,84,247 as against 8,08,109 during the previous year.

Poor Box Charity Fund.—On separation of the Group of T. B. Hospitals from Executive Health Officer's Unit from 1st November 1953, a separate Poor Box Account is maintained for the Group of T. B. Hospitals. The account is as follows:—

				Rs. a. p.
Total collection during the year 1954	...	...	...	6,442 7 9
Amounts spent during the year	...	...	...	2,434 5 9

Details of expenditure of this Fund are shown in Appendix No. 6.

## APPENDIX No. 6

	Rs. a. p.	Rs. a. p.
(a) Costly medicines such as streptomycin P. A. S. etc.	1,495 5 3	
(b) Cost of Blood transfusions	380 0 0	
(c) Establishment charges	80 0 0	
(d) Miscellaneous such as news papers bills, radio repairs etc.	117 4 6	
(e) Moiety paid to medical staff	361 12 0	
	Total Rs.... 2,434 5 9	
Balance with the Medical Superintendent, Group of T. B. Hospitals on 1st January 1955		4,008 2 0
Balance outstanding with the Executive Health Officer from the past collections		13,044 14 0

Note.—A regular monthly donation of Rs. 100 from the British India Steam Navigation Co. Ltd. was continued during the year and was accepted with thanks.

## T. B. CLINICS

All the three T. B. Clinics continued to function efficiently affording diagnostic as well as therapeutic facilities to the public and the medical practitioners of the City. The Clinic at Princess Street is provided with 100 M.A. X-Ray machine useful for both screening and taking plates. The machine at Foras Road Clinic is a 30 M.A. screening machine. The Princess Street T. B. Clinic continued to be the Out-patients' Department of the Group of T. B. Hospitals during the year under report. A. P. and P. P. refills were newly introduced at the Princess Street and Foras Road T. B. Clinics, during the year, where patients discharged from the Hospitals could conveniently go for their refills as well as follow up. The work done at the T. B. clinics is given in Appendices Nos. 7, 8 and 9.



## WORK DONE AT THE T. B. CLINICS

## APPENDIX No. 7

## Attendance of patients at the Clinics

	Princess St.	Foras Road	Lalbaug	Total
New cases, Pulmonary T. B. ...	11,773	2,933	394	15,100
New cases, T. B. of other parts ...	4	.....	.....	4
New cases, non-T. B. ...	22,768	7,115	682	30,565
Total attendance of new cases ...	34,545	10,048	1,076	45,669
Total attendance of old T. B. cases ...	11,300	11,203	6,490	28,993
Grand total of attendance ...	45,845	21,251	7,566	74,662

## APPENDIX No. 8

## T. B. Cases analysed according to age groups

Upto	10	15	20	25	30	35	40	45	50	Total
Princess Street ...	466	573	1,943	2,595	2,297	1,252	1,062	660	829	11,777
Foras Road ...	195	157	591	617	534	252	242	132	213	2,933
Lalbaug ...	16	15	79	72	70	47	39	25	31	394
Total ...	677	745	2,613	3,284	2,901	1,551	1,343	817	1,173	15,104

## APPENDIX No. 9

## Other work done at the Clinics

	Princess St.	Foras Road	Lalbaug	Total
Total No. of contacts examined ...	2,059	829	102	2,990
Total No. of sputums examined (by the Municipal Analyst) ...	331	83	.....	414
Total No. of domiciliary visits ...	3,617	4,245	680	8,542
Total No. of radiograms taken ...	336	.....	.....	336
Total No. of screenings done ...	52,801	16,105	.....	68,906
<i>A. P. &amp; P. P. work done:</i>				
(a) Primary A. P.s & P. P.s induced at the clinic...	.....	39	.....	39
(b) No. of cases referred by Hospitals for A. P. & P. P. Refills ...	739	189	.....	928
(c) Total No. of A. P. & P. P. refills given ...	8,148	4,758	.....	12,906

## APPENDIX No. 10

## New works carried out at the Clinics

## Princess Street T. B. Clinic

	Rs.	a.	p.
(1) Providing darkroom for the New X-ray apparatus at the T. B. Clinic, Princess St.	1,541	0	0
(2) Converting D. C. electric supply into A. C. supply by providing a new A. C. service mains, a new transformer for the X-ray machine etc. ...	6,941	0	0
	8,482	0	0

M. S. KAVARANA,  
Medical Superintendent, Group of T. B. Hospitals.

## LEGAL DEPARTMENT

*Subject:—Administration Report for the year 1954-55.*

During the year under report, Shri B. G. Desai was in charge of this Department.

This Department attended to the following work:—

(1) All conveyancing matters including sales, Leases, Agreements, Contracts and Licenses, (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 law, (6) Amendments of the Municipal Act, Rules and Bye-laws, (7) Cases under the Workmen's Compensation Act.

During the year under report 7,416 files were received from various Departments and 1,390 letters were written to outside parties or their legal advisors; opinions on different departmental matters and advices on 162 documents were given.

The Department attended to the following matters in the different courts 18 High Court Suits 144 City Civil Court Suit 11, High Court Civil Revision Applications 10, High Court Criminal Revision Application 12, High Court Criminal Appeals 1, Application the Court of the Custodian of Evacuee property, (2) High Court Civil first Appeals 159, Small Causes Court Suits 27, Small Causes Court References, 289 Police Court Cases 3 Applications before the Commissioner, Workmen's Compensation.

The following documents were completed:—

6 Conveyances, 23 Leases for 999 years or in perpetuity, 10 New Leases, 10 Surrenders, 41 Temporary leases (Monthly Tenancy Agreements), 61 Licenses to Assign, 18 Licenses and Deeds of Covenants, 5 Agreements, 4 Powers of Attorney, 1 Deed of Rectification, 1 Deed of Transfer.

During the year under report, the income of this Department (costs recovered) amounted to about Rs. 28,124-3-0 and the expenditure to about Rs. 77,247-14-0.

Details of the High Court and City Civil Court Suits are given in the statement attached.

B. G. DESAI,  
Solicitor to Corporation.

Serial No.	Suit No.	Names of parties:	Nature of suit.	Remarks.
1	High Court Suit No. 3799 of 1947.	M. C. vs. Rêhimabai widow of Mahomed Aba Juma and others.	For property taxes.	Property in suit is knocked down at the auction. Sale for a sum of Rs. 66,000. The matter is still pending.
2	H. C. Suit No. 2784 of 1948.	M. C. vs. Abdulla Alimahomed Bhoromia.	For ejection possession and arrears of ground rent	Decree passed and further instructions from the Estate Agent and Land Manager are awaited.
3	C. C. C. Suit No. 106 of 1949.	M. C. vs. Alimahomed V. Charolia.	Do.	Decree passed and steps for executing the Decree are in progress.
4	C. C. C. Suit No. 795 of 1949.	M. C. vs. Bai Malik Sultan Gulam Hussein.	For property taxes.	As the defendants paid up, the claim in suit, full satisfaction has been entered upon the Preliminary decree on charge and the suit was allowed to be dismissed.
5	C. C. C. Suit No. 1599 of 1949.	M. C. vs. Sugrabai wife of Fidahusein.	Do.	Do.
6	C. C. C. Suit No. 1968 of 1949.	M. C. vs. Ebrahim Abdulla.	Do.	Do.
7	C. C. C. Suit No. 731 of 1950.	M. C. vs. Babu Kalicharandas.	Do.	Decree Absolute for sale passed. Messrs. Manilal A. Kher & Co. have put up the property for Auction Sale and they were promised to pay up all the taxes out of the Sale Proceeds.
8	C. C. C. Suit No. 794 of 1950.	M. C. vs. Mahomed Umar.	For ejection, possession and recovery of arrears of rent and compensation.	Decree was passed and in execution of the said Decree steps for recovery of possession were taken and the same are in progress.
9	C. C. C. Suit No. 795 of 1950.	M. C. vs. Jainabai.	Do.	Do.
10	C. C. C. Suit No. 800 of 1950.	M. C. vs. S. A. R. Hoosini.	For ejection, possession and recovery of arrears of rent and compensation.	Decree was passed and execution proceedings were taken out for recovery of possession. Pending the execution proceedings, the Defendant died and his heirs and legal representatives were brought on record and the execution proceedings against the heirs of the deceased defendant are now in progress.
11	H. C. Suit No. 1247 of 1950.	R. N. Patankar vs. M. C.	For damages on account of the death of the Plaintiff's son caused by an accident by the Municipal Mobile Cinema Van.	Consent Decree passed.

Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
12	C. C. C. Suit No. 16848 of 1950.	N. A. Desai vs. M. C.	For damages on account of alleged wrongful dismissal of the Plaintiff from the Kurla Borough Municipality.	Consent decree was passed whereby the Defendants have agreed to pay to the Plaintiff a sum of Rs. 1,500 towards full payment of his claim in the suit. The Defendants have deposited the said amount of Rs. 1,500 in court As per S. C. R. No. 761 of 21-7-1954, the sanction of the Standing Committee to this arrangement has been obtained.
13	C. C. C. Suit No. 1982 of 1950.	M. C. vs. M. S. Trivedi and others.	For property taxes.	As the defendants paid up the claim in Suit, full satisfaction has been entered upon the Preliminary Decree and the suit was allowed to be dismissed.
14	C. C. C. Suit No. 1983 of 1950.	M. C. vs. Sitaram R. Redij and others.	Do.	Property in Suit was put up for auction Sale on the 2nd May 1955 but the Sale was adjourned sine die as there were no bidders at the auction Sale.
15(i)	C. C. C. Suit No. 573 of 1951.	M. C. vs. A. K. Irani & another.	For recovery of possession and property taxes.	Decree was passed in favour of the Corporation whereby the 1st defendant was ordered to vacate the premises on or before 2-3-1954 and to pay the decretal amount. The 1st defendant has filed an appeal against the decree passed by the C. C. C. The Registrar Appellate side has granted stay of the execution proceedings on the 1st defendant, furnishing security of Rs. 30,000. The hearing of the appeal has been expedited.
(ii)	First Appeal No. 211 of 1954.	A. K. Irani vs M. C. and Another.	Appeal against the decree passed in C. C. C. Suit No. 573 of 1951 (M. C. vs. A. K. Irani and Another).	Appeal pending.
16	C. C. C. Suit No. 668 of 1951.	Gopinath Sitaram Dabpande vs. M. C.	For a declaration that Resolution No. S. 72 of the Government of Bombay in the Educational Department and the orders contained therein are binding on the Defendants and for recovery of total salary and other reliefs.	At the hearing of the above suit, the same has been allowed to be dismissed for want of prosecution as the Plaintiff did not wish to prosecute the suit any further.
17	H. C. Suit No. 1185 of 1951.	Ratansi Champsi and others.	For a declaration, Injunction and Damages.	Suit pending.
18	C. C. C. Suit No. 1421 of 1951.	M. C. vs. E. M. Joseph and others.	For recovery of possession, arrears of rent and taxes.	Decree was passed against the first defendant and in execution of the said decree full possession of the property was taken through the Sheriff's Bailiff. As regards the recovery of the decretal amount it was learnt that the 1st defendant owns certain properties within the jurisdiction of the Anjikaimal District Court Cochin and therefore the decree has been sent to that Court for execution.
19	C. C. C. Suit No. 2155 of 1951.	M. C. vs. Shantaram Ramchandra.	For recovery of possession, arrears of rent and taxes.	Decree passed. Execution proceedings were taken out as a result of which the occupant has given an undertaking to vacate the premises in or before 28-2-1954. As the occupant has failed to do so further steps have been taken in the matter.
20	C. C. C. Suit No. 2186 of 1951.	M. C. vs. Tayaballi Sulemanji.	For recovery of possession, arrears of rent and taxes.	Consent Decree passed whereby the Defendant was ordered to vacate and deliver possession. As he failed to do so execution proceedings were taken and part possession of the property was taken. Further steps for recovery of the full possession are in progress.
21	C. C. C. Suit No. 2712 of 1951.	M. C. vs. Lala Meghraj Banwarilal.	Do.	Decree was passed and at the time of execution of the decree the defendant delivered up full possession of the property through the Sheriff's Bailiff. As regards the recovery of the decretal amount, instructions from the department are awaited.
22	C. C. C. Suit No. 3139 of 1951.	Francis John D'Souza vs. Municipal Commissioner.	For certain declaration and perpetual injunction.	As the Plaintiff did not wish to prosecute the suit any further, the suit was allowed to be dismissed.
23	C. C. C. Suit No. 3104 of 1951.	Bhaiya Dina Umrao vs. M. C.	Do.	Do.
24	C. C. C. Suit No. 3141 of 1951.	Miya Imam Ismail vs. M. C.	Do.	Do.
25	C. C. C. Suit No. 3142 of 1951.	Feku Prithuraj vs. M. C.	Do.	Do.

Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
26	C.C.C. Suit No. 188 of 1952.	M.C. vs. Abdulla Habib- & Others.	For property taxes ...	Preliminary Decree passed. As the defendants have failed to pay up the balance of the decretal amount, steps are being taken to obtain a decree absolute for sale.
27	C.C.C. Suit No. 315 of 1952.	M.C. vs. Mahomed Hashim.	For recovery of possession, etc.	Consent Decree passed. Execution proceedings are taken in the matter and the same are in progress.
28	C.C.C. Suit No. 402 of 1952.	M.C. vs. Shankar A. Mantri & Others.	For property taxes ...	Decree Absolute for sale passed.
29	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. A joint meeting was held before the Dy. M. C. (I) when it was agreed that the deft. should be given time for six months in order to enable him to bring a notification from the Government requisitioning the premises in question for education purposes. As negotiations for settlement are still going on between the parties, the suit is pending.
30	C.C.C. Suit No. 569 of 1952.	M.C. vs. Manilal Gangadas Patel.	For recovery of possession, arrears of rent and taxes.	Consent Decree passed whereby the party has been asked to vacate by 31-5-1954. The costs of the suit were recovered from the Defendant. Under instructions from the department the defendant has been allowed to continue in the premises for a further period of one year.
31	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.	Decree passed.
32	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 but in the meantime the defendant filed an appeal in the High Court against the decree of C.C.C. Wherein consent decree was obtained. The Defendant made and is making part payments towards the decretal amount. Part possession of the property was also recovered in the execution proceedings and the lessees concerned were put in possession of the same. Further execution proceedings are in progress.
33	C.C.C. Suit No. 884 of 1952.	M.C. vs. Parasram Parumal & Another.	For recovery of possession, arrears of rent and taxes.	As the negotiations for settlement are still going on, the suit is pending.
34	H.C. No. 915 of 1952.	Kashinath Waman Tiloo vs. M.C.	Suit for damages in respect of dismissal of Plaintiff from the service of the Corporation as an Assistant Teacher in the Nurgude Municipal Marathi Primary School.	Suit pending.
35	C.C.C. Suit No. 950 of 1952.	M.C. vs. Hiralal Karson Kharwa & Another.	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, the same has also been fully recovered.
36	C.C.C. Suit No. 951 of 1952.	M.C. vs. Namdev Keshav Narwekar & Others.	For property taxes.	Decree absolute for sale passed and steps are being taken to put up the property in suit for auction sale.
37	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. It was reported that the defendant died on or about 4-2-1954 and hence proceedings to bring his heirs and legal representatives on record were taken. As a result whereof they were brought on record and the suit is being proceeded with further.
38	C.C.C. Suit No. 1270 of 1952.	M.C. vs. Dharma Krishna & Others.	For property taxes.	The defendants paid up claim in the suit except costs and interest.
39	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 pauperis, for returning to the petitioner the articles mentioned in the Plaint and for recovery of a sum of Rs. 4,000.	Suit pending.
40	C.C.C. Suit No. 1476 of 1952.	M.C. vs. Madho Ram Karunchand.	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. The defendant delivered up possession of the premises and he has been called upon to pay to the Corporation the small balance now due by him under the decree.
41	C.C.C. Suit No. 1493 of 1952.	M.C. vs. Manilal H. Patel & Others.	For property taxes.	Decree is passed. The defendants are making part payments.
42	C.C.C. Suit No. 1618 of 1952.	M.C. vs. Bai Kulumbai Gulam Mahomed and Others.	Do.	Decree absolute passed and steps are being taken to put up the property for auction sale.
43	C.C.C. Suit No. 1623 of 1952.	M.C. vs. Phumal T. Kripalani.	For recovery of arrears of rent and taxes.	After the filing of the suit the defendant has filed an application under the displaced persons Act and therefore the hearing of the suit has been stayed till the disposal of the said application.

Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
44	C.C.C. Suit No. 1740 of 1952.	M.C. vs. R. D. Kapadia ...	For recovery of possession, arrears of rent and taxes.	Consent Decree passed on 5-1-1955 whereby he has been ordered to pay the decretal amount upto 5-1-1956 failing which he has been ordered to hand over to the Plaintiffs possession of the land together with the structures standing thereon.
45	C.C.C. Suit No. 1768 of 1952.	M.C. vs. Nagesh Yawalkar.	For recovery of possession, arrears of rent and taxes.	Consent Decree was passed on 2-2-1955 whereby the defendant was given time to vacate the portion of the land required by the Corporation on or before 15-8-1955 and to pay the decretal amount.
46	C.C.C. Suit No. 1877 of 1952.	Anthony Devasay & Others vs. Kapil Dev & Others.	For mandatory injunction against the Corporation to revoke the license granted by them to the 1st defendant for erection and working of flour mill at Nawaz Building, 10, Tullock Road, etc.	Suit pending.
47	C.C.C. Suit No. 1901 of 1952.	M.C. vs. Mulji Jairam Rangwalla.	Suit in respect of set-back land at Chinch Bunder Road.	Consent Decree taken. The Sub-tenants have given undertaking to vacate the premises by the end of September 1955.
48	C.C.C. Suit No. 1979 of 1952.	M.C. vs. Fatmabai Dawniwalla.	For property taxes.	Decree absolute for Sale passed.
49	C.C.C. Suit No. 2061 of 1952.	M.C. vs. Bai Banoobai & Another.	For recovery of possession, arrears of rent and taxes.	Exparte Decree was passed where by the defendants were ordered to vacate the premises on or before 30-9-1953 and to pay the decretal amount. As the defendants failed to do so, execution proceedings have been taken in the matter.
50	C.C.C. Suit No. 2158 of 1952.	M.C. vs. D. S. Thakur.	For recovery of possession, arrears of mesne profits.	Consent Decree passed. The Defendant is ordered to vacate on or before 31-12-1954. As the defendant failed to do so execution proceedings have been taken in the matter.
51	C.C.C. Suit No. 2168 of 1952.	M.C. vs. Jankidas Jagannath	For recovery of possession,	Consent Decree was passed, whereby the Deft. was continued as a monthly tenant at the rent of Rs. 80 p.m. and ordered to pay the decretal amount. As the defendant failed to do so, further instructions from the Dept. are awaited.
52	C.C.C. Suit No. 2421 of 1952.	M.C. vs. Gulam Hussein Sadruddin & Co.	For recovery of possession, arrears of rent and taxes.	Consent Decree was passed whereby the Defendants were ordered to vacate the premises and pay the decretal amount on or before 3-9-1955.
53	C.C.C. Suit No. 2433 of 1952.	M.C. vs. Karnayal Singh S. Bhatti.	Do.	Consent Decree was passed whereby the Deft. was given time to vacate the premises on or before 31-7-1956 and was also ordered to pay the decretal amount. Further instructions as to the recovery of the decretal amount are awaited.
54	C.C.C. Suit No. 2489 of 1952.	M.C. vs. Sheshnath V. Sashte & Others.	For property taxes.	Decree Absolute for Sale passed.
55	C.C.C. Suit No. 2718 of 1952.	M.C. vs. Purnhottam Damodar & Others.	Do.	Do.
56	C.C.C. Suit No. 2719 of 1952.	M.C. vs. R. W. I. Turf Club Ltd.	For recovery of possession, arrears of rent and taxes.	Decree passed whereby the defendants were ordered to vacate the premises on or before 31-3-1953 and to pay the decretal amount Execution proceedings have been taken in the matter.
57	C.C.C. Suit No. 2720 of 1952.	M.C. vs. Noormahomed Pireji.	Do.	Suit pending. Negotiations for settlement were going on between the parties. As the same have fallen through, the suit will be proceeded with.
58	C.C.C. Suit No. 2842 of 1952.	M.C. vs. Chumal Gyanchand & Others.	For property taxes.	The defendants paid up the claim in suit and the suit was allowed to be dismissed.
59	C.C.C. Suit No. 2845 of 1952.	Parnila & Others 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.	Consent Decree was passed whereby the Plaintiffs have agreed to vacate the 3 rooms in their occupation on the defendants allotting to the Plaintiffs 2 other rooms. Since then the plaintiffs have vacated 2 rooms on the defendants giving them one room at Bellasis Road. Arrangements are now being made to give to the Plaintiffs one more room in order to take possession of the third room.
60	C.C.C. Suit No. 3177 of 1952.	M.C. vs. Madhavdas Vallabhadas & Others.	For property taxes	The defendants paid up the claim in Suit and the suit was allowed to be dismissed.
61	C.C.C. Suit No. 3209 of 1952.	Babu S/o Ayatu vs. A. K. Irani & Others.	For a declaration, injunction and recovery of mesne profits and costs.	Suit pending.
62	C.C.C. Suit No. 3359 of 1952.	M.C. vs. Peter Luis & Others.	For property taxes.	Decree Absolute for Sale passed.

Seril No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
63	C.C.C. Suit No. 3369 of 1952.	M.C. vs. Laburam Fakirchand.	For recovery of possession, arrears of rent mesne profits and taxes.	Decree was passed whereby the deft. has been ordered to vacate the premises on or before 31-10-1953 and to pay the decretal amount. As he failed to do so, execution proceedings have been taken in the matter and the same are in progress.
64	C.C.C. Suit No. 3501 of 1952.	M.C. vs. Lilabai Virji Ladha.	Suit in respect of set-back land at Chinchbunder Road.	Consent Decree passed. Steps are being taken to take the possession of the property.
65	C.C.C. Suit No. 196 of 1953.	M.C. vs. Karimkhan Abdul Rehman Khan & Others.	For property taxes.	Suit pending.
66	C.C.C. Suit No. 208 of 1953.	M.C. vs. H. H. Sardar Sayedana.	Do.	... The defendant paid up claim in the suit and the suit was allowed to be dismissed for want of prosecution.
67	C.C.C. Suit No. 209 of 1953.	M.C. vs. Jusab Noor Mahomed Mistry & Others.	Do.	... Decree Absolute for Sale passed.
68	C.C.C. Suit No. 210 of 1953.	M.C. vs. Jenabai Gool Mahomed.	Do.	... Preliminary Decree passed. The defendant is making part payments
69	C.C.C. Suit No. 214 of 1953.	M.C. vs. Dr. Naraindas Mansukhani.	For possession & recovery of damages for wrongful use and occupation.	Decree passed whereby the defendant was ordered to vacate the premises and to pay the decretal amount. Vacant possession of the premises has been delivered by the defendant. As regards the recovery of the decretal amount, further instructions from the Dept. are awaited.
70	C.C.C. Suit No. 228 of 1953.	M.C. vs. Jusab Noor Mahomed & Others.	For property taxes.	Preliminary Decree passed. The custodian of Evacuee property is selling the property and has promised to pay outstanding taxes out of the Sale proceeds.
71	C.C.C. Suit No. 275 of 1953.	M.C. vs. Parashnath Chandrakant.	Do.	... Suit pending.
72	C.C.C. Suit No. 276 of 1953.	M.C. vs. Rehimabai widow of Mahomed. Aba. Juma & Others.	Suit for recovery of water taxes.	Decree passed.
73	H.C. Suit No. 354 of 1953 ...	Shiv. Dulare. Luvani vs. M.C.	For damages in respect of loss alleged to have been suffered by the Plaintiff for his dismissal from Municipal service.	Suit pending.
74	C.C.C. Suit No. 465 of 1953.	M.C. vs. Jusab Noor Mahomed & Others.	For property taxes.	Decree Absolute for Sale passed.
75	C.C.C. Suit No. 466 of 1953.	M.C. vs. Tulsidas Haridas.	Do.	Suit pending.
76	C.C.C. Suit No. 642 of 1953.	M.C. vs. Kamruddin Mulla Kothari.	Do.	... Preliminary Decree passed. The matter is pending before the Custodian of Evacuee property.
77	H.C. Suit No. 781 of 1953.	M.C. vs. Ganpat Vithoba Avte & Others.	Do.	... Suit pending.
78	H.C. Suit No. 823 of 1953.	Constantine F. Walton vs. M.C.	For damages arising out of the Criminal proceedings taken by the Administrator of Ex-Kuria Municipality.	Suit pending.
79	C.C.C. Suit No. 999 of 1953.	Devji Bhanis & Others vs. M.C.	For a declaration that the Plaintiffs are entitled to remain in occupation of the premises at 4th Marine Street and the action taken by the Municipality for pulling down the structures is bad, inoperative and of no effect.	Suit pending.
80	H.C. Suit No. 1043 of 1953.	M.C. vs. Mumtaz Begum widow of K. B. Shaikh Janmahomed & Others.	For property taxes.	As the defendants paid up the claim in suit the suit was allowed to be dismissed for want of prosecution.
81	C.C.C. Suit No. 1106 of 1953.	M.C. vs. Jaffer Abu.	Do.	Decree Absolute for Sale passed.
82	C.C.C. Suit No. 1107 of 1953.	M.C. vs. Abdul Rehman Cassum.	Do.	... Do.
83	C.C.C. Suit No. 1108 of 1953.	M.C. vs. Jaffer Abu Mistry and Others.	Do.	Do.
84	H.C. Suit No. 1194 of 1953.	Jethalal Nagji Shahi vs. M.C.	For returning 3 per cent. G.P. Notes to the Plaintiff deposited by Messrs. Raoji Sojpal in respect of contract for construction of the service Roads for the V.C.T. Scheme.	As the suit was settled out of court, the same was allowed to be dismissed for want of prosecution.
85	C.C.C. Sum. Suit No. 1320 of 1953.	M.C. vs. Hiraji Dhakia Patil.	For recovery of possession and arrears of mesne profits.	Decree passed on 10-3-1954 as a result of which the defendant was ordered by the Court to give to the Plaintiffs vacant and peaceful possession of the said property on or before 10-4-1954 and to pay the decretal amount. As the Defendant failed to do so, execution proceedings are being taken in the matter.
86	Pauper Petition No. 32, of 1953. C.C.C. Suit No. 1444 of 1953.	Gafoor Habib vs. M.C.	For a declaration that the order dated 27-11-1952 passed by the Hydraulic Engineer of the Respondent dismissing the petitioner was illegal and inoperative and for damages for wrongful dismissal and for arrears of salary, dearness allowance and for injunction, etc.	Suit pending.

Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
87	C. C. C. Suit No. 1617 of 1953.	M. C. vs. Anusuyabai Savlaram Dharamji & others.	For property taxes.	Notice of Motion for a Decree Absolute for Sale is taken out. The defendant has been making part payments.
88	C. C. C. Suit No. 1800 of 1953.	M. C. vs. Ismail-Yusuf Variava.	Do.	Suit pending. The defendant has been making part payments. The property is acquired by S. L. A. O. and property taxes outstanding will be paid out of the compensation amount, to be awarded to the Defendant. The matter is closed for award.
89	C. C. C. Summary Suit No. 1810 of 1953.	M. C. vs. Fatmabibi widow of Abdul Gafoor Kallan and others.	For recovery of possession and arrears of municipal taxes, U. I. P. taxes and mesne profits.	Decree has been passed against the defendants whereby they have been ordered to vacate on or before 2-3-1955 and to pay the decretal amount.
90	C. C. C. Suit No. 1819 of 1953.	Abdul Samad vs. M. C.	For a declaration that the defendants have trespassed on the rights of the plaintiff in filing Suit No. 4035 of 1951 in the Court of Small Causes and for compensation for trespass.	Suit pending.
91	C. C. C. Suit No. 1981 of 1953.	M. C. vs. R. M. Kripalani.	For recovery of possession, arrears of rent, municipal taxes and mesne profits.	Decree passed against the defendant on 7-4-1954 whereby the defendant was ordered to vacate on or before 7-10-1954 and to pay the decretal amount. After the passing of the decree the defendant has made various part payments and a small balance is now due.
92	C. C. C. Suit No. 1991 of 1953.	M. C. vs. Shirinbai F. M. Desai.	For property taxes.	Suit is pending. The defendant has paid up the claim in the suit except interest and costs.
93	C. C. C. Suit No. 2010 of 1953.	Mahadev Govind and others vs. M. C.	For a declaration that the Building at 5, 2nd Kumbharwada Lane is safe for human habitation and that it is not necessary to pull down the same and injunction etc.	Suit dismissed.
94	C. C. C. Summary Suit No. 2018 of 1953.	M. C. vs. Chandulal Bapuji Sabne.	For recovery of possession arrears of rent, taxes and mesne profits.	Decree has been passed and thereafter negotiations for settlement were going on between the parties as a result of which the defendant has put the Corporation in possession of the property and the party has also asked the tenants to atorn to the Corporation.
95	C. C. C. Suit No. 2182 of 1953.	M. C. vs. Bai Khatizabai widow of Haji Gulam Rasool and others.	For property taxes.	Preliminary Decree passed.
96	C. C. C. Suit No. 2436 of 1953.	M. C. vs. S. M. Abbas.	For recovery of possession arrears of rent, municipal taxes, U. I. P. taxes and mesne profits.	Decree on admission passed on 24-3-1954 whereby it was agreed that the same should not be executed till 31-3-1955. As the defendant failed to do so, execution proceedings are being taken in the matter.
97	C. C. C. Suit No. 2593 of 1953.	M. C. vs. Mahomed Shafi Mahomed Hussein Taqui and others.	For property taxes.	As the defendants paid up the claim in suit, the suit was allowed to be dismissed for want of prosecution.
98	C. C. C. Civil Application No. 10 of 1954.	M. C. vs. Charity Commissioner.	This was an appeal filed in the City Civil Court against the decision of the Charity Commissioner regarding registration of the Topiwala National Medical College as a Public Trust.	Appeal dismissed.
99	C. C. C. Suit No. 16 of 1954.	Gokuldas Naranji and others vs. M. C. and another.	For a declaration that the strip of land admeasuring about 123 sq. yds. situate at Gowalia Tank is of the Plaintiffs exclusive ownership and for an injunction restraining the Defendants from interfering with the Plaintiffs use and enjoyment of the said land and fencing.	Suit pending.
100	C. C. C. Suit No. 131 of 1954.	Bachoo Jiwan vs M. C.	For recovery of a sum of Rs. 7,000 and interest thereon at 6 per cent per annum being the amount of Refund of deposit and damages alleged to have been sustained in connection with the sale of a Diesel Engine.	Suit pending.
101	High Court Suit No. 154 of 1954.	Mangal Bechar and others vs. M. C. and another.	Petition for a Writ of Mandamus and injunction restraining the Municipality from proceeding with construction of the building on Municipal land at 2nd Koliwada, Colaba.	Petition dismissed and Rule discharged.
102	H. C. Suit No. 155 of 1954.	Mira Gawra vs. M. C.	Do.	Do.

Serial No.	Suit No.	Name of parties.	Nature of suit.	Remarks.
103	C.C.C. Suit No. 239 of 1954.	M. C. vs. M. S. Patel.	For recovery of possession arrears of rent municipal taxes, U. I. P. taxes and mesne profits.	Decree has been passed and as after the passing of the decree the defendant died, steps for bringing his heirs and legal representatives on record are now being taken in the matter.
104	C.C.C. Suit No. 291 of 1954.	M.C. vs. Daryappa Laxman Kadam & Others.	For property taxes.	Preliminary Decree passed.
105	C.C.C. Suit No. 292 of 1954.	M.C. vs. Haji Mahomed Haji Dawood & Others.	Do.	Do.
106	C.C.C. Suit No. 359 of 1954.	M.C. vs. Bai Dolly P. Davierwalla.	For recovery of arrears of rent, municipal taxes, U.I.P. taxes & compensation.	Decree has been passed on 16-6-1954 whereby the defendant has been ordered to pay the decretal amount.
107	H.C. Suit No. 449 of 1954.	Ramzan Salemahomed vs. Shri P. R. Nayak.	Petition for Writ of Mandamus to withdraw or cancel the Notice issued under Sec. 351(2) of the B.M.C. Act in respect of property at Rajwadi, Ghatkopar & for injunction etc.	Petition allowed to be dismissed.
108	C.C.C. Suit No. 467 of 1954.	M.C. vs. Framroze Dhanjishaw Mistry & Others.	For property taxes.	Suit pending.
109	C.C.C. Suit No. 468 of 1954.	M.C. vs. M. P. Dumasia.	For recovery of possession and arrears of mesne profits and A.G.T.	Do.
110	C.C.C. Suit No. 469 of 1954.	M.C. vs. Musamat Munir Jehan & Others.	For property taxes.	Do.
111	C.C.C. Suit No. 470 of 1954.	M.C. vs. Sherbanoo Manekshaw Mistry & Another.	Do.	Do.
112	C.C.C. Suit No. 490 of 1954.	M.C. vs. S. R. Lalwani ...	For recovery of possession and arrears of rent and mesne profits.	Consent decree has been passed on 5-1-1955 whereby the defendant has been ordered to pay the decretal amount on or before 5-4-1956 and in default of such payment he has been ordered to deliver up possession of the land together with the structures standing thereon to the Plaintiffs
113	C.C.C. Suit No. 495 of 1954.	M.C. vs. Lilavatibai widow of Gulabchand Amichand & Others.	For recovery of possession, arrears of rent and mesne profits.	Suit pending.
114	H.C. Appeal No. 630 of 1954.	M.C. vs. The Charity Commissioner.	Appeal filed against the decision of the City Civil Court regarding registration of the Topiwala National Medical College as a Public Trust.	Appeal pending.
115	C.C.C. Suit No. 767 of 1954.	M.C. vs. Virambai widow of Versi Ratansi & Others.	For recovery of possession and arrears of mesne profits.	Suit pending.
116	C.C.C. Suit No. 768 of 1954.	M.C. vs. Abdul Aziz & Another.	For recovery of possession, arrears of rent, municipal taxes, U.I.P. taxes and mesne profits.	Do.
117	C.C.C. Suit No. 1426 of 1954.	Dhondu Chimaji vs. M.C.	For a declaration that the Plaintiff as Watandar Mahar of the village of Mohili is entitled to remove the carcasses and for injunction, etc.	Do.
118	C.C.C. Suit No. 1427 of 1954.	Shankar Dharma vs. M.C.	Do. do. (Village Gundavali).	Do.
119	C.C.C. Suit No. 1428 of 1954.	Saya Bhagya vs. M.C.	Do. do. (Villages of Marol and Parjapur).	Do.
120	C.C.C. Suit No. 1429 of 1954.	Malibai Ragho vs. M.C.	Do. do. (Village of Kirol and Ghatkopar).	Do.
121	C.C.C. Suit No. 1447 of 1954.	Sharfatkhan vs. M.C. & Others.	For a declaration that the Plaintiff is entitled to instal his stall at Pitch No. 2 in row of stalls at Tulsi Pipe Road, Dadar and for injunction, etc.	Do.
122	C.C.C. Suit No. 1448 of 1954.	Mewalal Nemar vs. M.C.	Do. do.	Do.
123	C.C.C. Suit No. 2041 of 1954.	M.C. vs. Smt. Rita widow of L. J. Fernandes.	For recovery of possession, arrears of rent, taxes and mesne profits.	Consent Decree has been passed whereby the defendant has been ordered, to vacate on or before the 8th June 1956 and to pay the decretal amount.
124	C.C.C. Summary Suit No. 2042 of 1954.	M.C. vs. Rama Raoji Borikar.	For recovery of possession, arrears of rent and mesne profits.	Decree on admission has been passed whereby it has been agreed that the same should not be executed till 31-3-1955. Arrangements are now being made by the party to put the Corporation in immediate possession of the premises in suit.
125	C.C.C. Suit No. 2061 of 1954.	M.C. vs. B. B. Sarang.	For recovery of possession, arrears of rent, taxes and mesne profits.	Suit pending.
126	C.C.C. Suit No. 2062 of 1954.	M.C. vs. D. A. Khariwala.	For recovery of possession, arrears of rent, taxes and mesne profits.	Consent Decree has been passed whereby the defendant has been ordered to vacate on or before the 30th June 1956.
127	C.C.C. Suit No. 2063 of 1954.	M.C. vs. B. D. Koli	For recovery of possession and arrears of rent, taxes and mesne profits.	A decree has been passed whereby the defendant is ordered to vacate and remove the structure on or before 8-6-1955 and to pay the decretal amount.



Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
128	C.C.C. Suit No. 2130 of 1954.	Khawaja Abdul Rahim vs. M.C. & Others.	For a mandatory injunction to withdraw cancel or revoke the license granted to the 3rd defendant for the meatshop at Worli B.D.D. Chawl No. 114.	Suit pending.
129	C.C.C. Suit No. 2205 of 1954.	Dansing vs. M. C.	For damages in respect of injury sustained by the Plaintiff as a result of collision between the Taxi and the Municipal truck No. BMS 576 near Nair Hospital.	Suit pending.
130	C.C.C. Suit No. 2228 of 1954.	Dhondu Tukaram vs. M. C.	For a declaration that the Plaintiff as Watandar Mahar of the Village of Mohili is entitled to remove the Carcasses and for injunction etc. (Village of Mulgaon and Kondinta).	Do.
131	C.C.C. Suit No. 2287 of 1954.	Jani Subhara vs. M. C.	Do. do. (Village of Pawai).	Do.
132	C.C.C. Suit No. 2288 of 1954.	Dewoo Genu vs. M. C.	Do. do. (Village of Goofa).	Do.
133	C.C.C. Suit No. 2289 of 1954.	Babi Shiva Madhvi vs. M.C.	Do. do. (Village of Bhandup).	Do.
134	C.C.C. Suit No. 2290 of 1954.	Parashuram Changu vs. M.C.	Do. do. (Villages of Hariali and Vikhroli).	Do.
135	C.C.C. Suit No. 2326 of 1954.	M.C. vs. D. G. Belani	For recovery of vacant possession and arrears of mesne profits.	Consent Decree has been passed Whereby the defendant has been ordered to pay up the decretal amount on or before the 31st day of January 1957.
136	C.C.C. Suit No. 2328 of 1954.	M.C. vs. Jaminabai widow of L. R. Motwani & Others.	For recovery of possession, and arrears of rent, taxes and mesne profits.	Suit pending.
137	C.C.C. Suit No. 2378 of 1954.	M.C. vs. Noorbibi widow of Gulam Nabi Gulam Hussein & Others.	For recovery of possession and arrears of mesne profits.	Do.
138	C.C.C. Suit No. 2481 of 1954.	M.C. vs. Sherbanobai widow of Jaffer Deoji.	For recovery of possession and arrears of rent, taxes and mesne profits.	Do.
139	C. C. C. Suit No. 2712 of 1954.	R. M. Buhariwala and Another. vs. M. C.	For restraining M. C. from enforcing the work of installing a booster pump at property 91, Mint Road.	Suit pending.
140	C. C. C. Suit No. 2796 of 1954.	M. C. vs. M. A. Khan ...	For recovery of possession and arrears of rent, taxes and mesne profits.	Before a decree could be passed the party paid up the entire Municipal claim, therefore the suit was allowed to be dismissed.
141	H. C. Misc. Suit No. 66 of 1955.	Shantaram M. Bhat vs. M. C.	Petition for mandamus restraining the Respondents from removing the stop-cocks or sealing them up or interfering with control of water supply to certain tenants in "Nutan Nagar" Bandra.	Petition to be allowed to be dismissed.
142	H. C. Suit No. 86 of 1955.	Satyanaran Shivabuksh vs. M. C. and Others.	Petition for a Writ of mandamus directing the Respondents either to withdraw or modify the notices under Sec. 380 and 488/489 of the B. M. C. Act and to allow the petitioner to continue to carry on his business.	Petition pending.
143	H. C. Summary Suit No. 90 of 1955.	M. C. vs. Mahomed Abdulla Shaikh Meherbaksh and Another.	For recovery of possession and arrears of rent, municipal taxes, U. I. P. taxes and mesne profits.	Suit pending.
144	H. C. Summary Suit No. 91 of 1955.	M. C. vs. Nabi Abdullah Seth.	For recovery of possession and also for recovery of arrears of rent, taxes and mesne profits.	Suit pending.
145	C. C. C. Suit No. 316 of 1955.	M. C. vs. Adamji Jiwaji.	For recovery of possession and arrears of mesne profits.	Suit pending.
146	C. C. C. Suit No. 328 of 1955.	R. K. Jhaveri and another vs. M. C.	For property taxes.	Suit pending.

Serial No.	Suit No.	Names of parties.	Nature of suit.	Remarks.
147	C. C. C. Suit No. 401 of 1955.	M. C. vs. B. M. Joshi ...	For recovery of theatre Tax.	Consent Decree passed.
148	C. C. C. Suit No. 405 of 1955.	M. C. vs. O. R. Tiwari and Others.	Do.	Suit pending.
149	C. C. C. Suit No. 480 of 1955.	M. C. vs. Devishahi Hariprasad.	For property taxes.	Do.
150	C. C. C. Suit No. 580 of 1955.	M. C. vs. V. D. Gadre.	For recovery of possession and arrears of U. I. P. taxes and mesne profits.	A consent Decree has been passed on 27-4-1954 whereby the defendant has been given time to valate on or before 30-4-1956 and to pay the decretal amount.
151	C. C. C. Summary Suit No. 581 of 1955.	M. C. vs. Kamlabai widow of T. N. Gopalswami Naidu and Others.	For recovery of possession and arrears of rent taxes and mesne profits.	Suit pending.
152	C. C. C. Suit No. 582 of 1955.	M. C. vs. Bhadrassen Lala Bhagatram.	For recovery of possession and arrears of rent, taxes and mesne profits.	Suit pending.
153	C. C. C. Suit No. 687 of 1955.	Adam Ibrahim and Another vs. M. C.	For a declaration that notice under Sec. 354 of the B. M. C. Act is improper and void and for injunction restraining the defendants from proceeding with the said notice.	Suit allowed to be dismissed.
154	C. C. C. Suit No. 834 of 1955.	M. C. vs. Manuel P. Barretto and Others.	For recovery of possession and arrears of municipal taxes U. I. P. taxes and mesne profits.	Suit pending.
155	C. C. C. Suit No. 848 of 1955.	M. C. vs. John A. Fonseca and Others.	For recovery of possession and arrears of mesne profits.	Suit pending.
156	C. C. C. Suit No. 922 of 1955.	M. C. vs. Devichand Bheraj.	For recovery of possession, arrears of rent, municipal taxes, U. I. P. taxes and mesne profits.	Suit pending.
157	C. C. C. Suit No. 954 of 1955.	M. C. vs. Amirchand Bheraj.	For recovery of possession and arrears of rent, municipal taxes, U. I. P. taxes and mesne profits.	Suit pending.
158	C. C. C. Suit No. 955 of 1955.	M. C. vs. Vithabai Laxman Vaity.	For recovery of possession and arrears of rent and mesne profits.	Suit pending.
159	C. C. C. Suit No. 956 of 1955.	M. C. vs. J. L. Nariani.	For recovery of possession and arrears of mesne profits.	As the party has paid up the entire claim of the Corporation the suit will be allowed to be dismissed on the date of hearing.
160	C. C. C. Suit No. 877 of 1955.	Y. N. Mulye vs. M. C.	For a declaration in respect of resolution No. 793, dated 18-10-1950 and for recovery of a sum of Rs. 713-5-0 and for costs and other reliefs.	Suit pending.
161	C. C. C. Suit No. 1173 of 1955.	M. C. vs. Noormahomed Naimu Khalik.	For property taxes.	Suit pending.
162	C. C. C. Suit No. 1174 of 1955.	M. C. vs. Vallibhai Hyderbhai.	For property taxes.	Suit pending.

# EDUCATION

Smt. Kapila T. Khandvala, B.A., B.T. (Bom), M.A. (U.S.A.), J.P., continued to hold the Office of the  
**1. The Education Officer** Education Officer throughout the year.

## II. -Municipal Schools, Pupils and Teachers.

The number of Municipal Schools and Classes in Greater Bombay at the end of the year was 443 and 53 respectively. The particulars of the number of Municipal Schools and Classes etc., at the beginning and end of the year under report are as follows:—

	As on 1st April 1954.			As on 31st March 1955.		
	City	Suburbs.	Total	City	Suburbs	Total
Schools	350	93	443	351	96	447
Classes	34	19	53	40	24	64

The change in the number of Schools at the beginning and at the end of the year was due to the following changes that took place during the year under report:

	City	Suburbs	Total
(1) Number of new Schools taken over	...	3	3
(2) Number of new Classes opened	8	8	16
(3) Number of Schools converted into Classes	1	1	2
(4) Number of Classes converted into Schools	2	1	3
(5) Number of Schools and Classes amalgamated.	1	...	1
(6) Number of Classes closed.	...	3	3

On the principle of providing Higher Standards for 30 children or more in the City and Suburban Schools and 15 children or more in the outlying far away Schools in the Suburban Villages or in areas with village conditions, Higher Standards viz., V, VI and VII were opened in 15 Marathi Schools (9 in the City and 6 in the Suburbs), 15 Gujarati Schools (11 in the City and 4 in the Suburbs), 6 Hindi Schools (3 in the City and 3 in the Suburbs) and 10 Urdu Schools (9 in the City and 1 in the Suburbs) from June 1954, thus providing facilities for Upper Primary Education in almost all localities in Greater Bombay.

The total number of Upper Primary (including Vocational) and Lower Primary Schools and Classes during the year under report was 208 and 293 respectively as against 201 and 295 during the preceding year.

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 smoothly and efficiently and the teachers and the pupils worked in full harmony and co-operation. As a result of a number of representations from the members of the public and parents for allowing girl pupils to sit in Standards VI and VII of Boys' Schools, there being no Girls' School in the vicinity, admission of boys in Standards VI and VII of Girls' Schools and girls in Standards VI and VII of Boys' Schools was allowed in certain Schools during the year under report provided the parents of the girls and boys had no objection to such admission. The new arrangement worked well.

The total number of pupils on rolls at the end of the year under report in the Municipal Schools in Greater Bombay stood at 1,96,862 (1,63,718 in the City Schools and 33,144 in the Suburban Schools). The number of pupils in the Lower Primary Classes was 1,53,534 (1,26,018 in the City and 27,516 in the Suburbs) and the number of pupils in Upper Primary Classes was 43,328 (37,700 in the City and 5,628 in the Suburbs). It will thus be seen that in spite of restrictions on the admission of children below six imposed due to the introduction of four year curriculum, there was a net increase of 14,935 pupils (9,425 in the City Schools and 5,510 in the Suburban Schools) during the year. The highest number on Rolls in Municipal Schools was, however, 2,09,078 (1,73,673 in the City Schools and 35,405 in the Suburban Schools) at the end of September 1954. The number fell to 1,96,862 at the end of the March 1955. The average number of pupils throughout the year was 1,97,432 (1,64,463 in the City Schools and 32,969 in the Suburban Schools). It has been observed for a number of years that a gradual rise in the number of pupils till September or October followed by a fall in that number in the later half by the end of March, has been a characteristic feature in Municipal Schools and this is attributed mainly to the migratory nature of labour population in the City and the restriction on admission in Municipal Schools after 15th September striking off the names of pupils on account of continuous absence and also due to the indifference of parents not continuing to send their pupils to Schools on account of economic conditions. A statement showing Municipal Schools and pupils is given in Appendix No. 1.

The total number of teachers (permanent and non-permanent) in Municipal Schools at the end of the last year was 4,872 out of whom 227 were Special Teachers. The number increased to 5,289 (with 249 Special Teachers) during the year under report. Out of the 4,200 Ordinary Teachers in the City Schools, 3,688 (i.e. 87.8 per cent.) were trained. In the Suburban Schools, 699 (i.e. 83.2 per cent.) out of the 840 Ordinary Teachers were trained. The percentage of trained teachers in Municipal Schools has been thus gradually increasing from year to year. A statement showing details of the number of trained, untrained, temporary and permanent teachers in Municipal Schools is given in the Appendix No. 2.

Last year, the old practice of assessing the requirements of teachers entirely on the basis of the number of children on the rolls and those attending was changed as the same was more or less found unsuitable owing to uneven size of class rooms and also fluctuations in these numbers. As an alternative, it was decided to fix number of teachers required according to the number of class rooms in actual use (including rooms used twice

in Double Session Schools) thus ensuring one teacher for each class. The then prevailing basis of granting additional teachers to larger Schools was also revised allowing only one additional teacher to each School having an average attendance of 500 or more. The provision of Leave Reserves (which was formerly at 10 per cent.) was also reduced to 7½ per cent. The new formula known as "Class room Formula" was approved by the Education Committee in August 1953 provisionally as an experimental measure and the same continued to be followed for assessing the requirements of teachers during the year under report. The introduction of the "Classroom Formula" was a novel experiment with far-reaching and fundamental changes in the system hitherto followed by the Department and it was desirable to gauge the full implications of the formula after carefully observing its working for a considerable time, so as to arrive at a final decision to accept it as a permanent measure after necessary modifications in the light of experience gained so far, for determining the assignments of teachers to Schools. A Sub-Committee has therefore, been appointed by the Education Committee to examine the whole question in all its aspects and the matter is still under their consideration.

The supervision of Municipal Schools continued to be attended by the Education Officer, the Superintendents and the Supervising Officers of the Department. The post of Assistant Superintendent for the Urdu Schools that was created temporarily last year in order to give adequate help to the Superintendent of Urdu Schools in the absence of the other Superintendent (who had taken an appointment with the Central Government Secretariat and whose post was held in abeyance) was also continued. One post of Supervisor on the Marathi Side was held in abeyance after the retirement of permanent incumbent during the year. The Supervising Officers paid "Educational," "Surprise" etc., visits to the Schools, inspected the lessons given by the teachers as well as the School records etc., and made useful suggestions to improve efficiency in teaching and discipline in Municipal Schools.

At the suggestion of Shri H. D. Gorkar, M.Sc. (Bom.), T.D. (Lond.), Chairman, Education Committee, a novel scheme for the improvement of a Group of Schools was introduced on an experimental basis during the year under report. The Worli area was selected for the purpose and a Scheme for the Improvement of Marathi Schools in the Worli Area was prepared and implemented as an experiment. The Scheme covered 8 Schools in the Worli Area with a total of 5,397 pupils and 117 teachers. The Scheme envisaged an overall improvement in the pupils and teachers of the Schools covered. The Schools were put in charge of an Inspector guided by a General Committee and assisted by a Consultative Committee of the Head teachers of the Schools concerned for its implementation. Teachers of the Schools were categorized according to their efficiency in day-to-day work and a close check and a record of their work was maintained by the Office in charge with the help of the Head-teachers. Regular guidance was given to the teachers of the low efficiency by planning 'model lessons' and arranging Teachers' Meetings for discussing problems of Division of Syllabus, Class Management, Methods of Questioning, Retarded Children, Use of Text Books, Rapid Readers etc. On the pupils' Side, in all the Schools under the Scheme, children were grouped as per their progress, on the basis of scholastic tests and special attention was given to all pupils below normal. Prefect system, first aid and Safai (Cleanliness) Corps were introduced in all the Schools with a view to co-operatively tackling the problem of discipline and inculcating a tradition for obedience, order, habits of cleanliness and courtesy. School Debating Societies, Inter-School Debates, Co-operative Stores, School Magazines, Planned Excursions and Nature Study Visits, Scoutings and Games were encouraged in all the Schools under the Scheme and such work was followed by follow up work in oral or written composition. 'School Parliament' and 'House' System were introduced in these Schools with a view to fostering a sense of healthy competition. As a result of the implementation of the Scheme, all the Schools remained very busy in creative activity throughout the year and though the details of the results achieved are yet to be assessed, the Schools of the area showed a marked improvement on account of concentrated attention paid to their organisation, staffing etc., setting aside usual rules followed for other Schools. Special attention could be paid by the Officer due to smaller number of Schools under his charge.

As usual, the syllabus of studies was divided up month by month for the guidance of the teachers and for facilitating gradual completion of the studies in time as per schedule. Teaching Aids on different subjects were supplied to the Schools in order to make teaching more interesting and effective. Additional teaching aids such as maps, charts and models were also prepared by the teachers themselves. Hindi, the National Language, was continued to be taught in the Upper Primary Classes. Teachers' Diaries and Pupils' Progress Cards and Registers continued to be maintained as usual and parents were kept informed of the progress, conduct and attendance of their wards by forwarding them the Progress Cards of their wards every month. Fortnightly Tests were discontinued this year as the same were found to be unsuitable. Monthly Tests for pupils of Standards IV to VII and Weekly Tests for Standards I to III were introduced instead. Pupils of Standards I to III were promoted to higher standards at the end of the year on the basis of the results of the Weekly Tests throughout the year. As stated in last year's report, the rules for the Double Promotion Examination were revised this year so as to give facilities of accelerated promotion only to average and really extra-ordinarily bright pupils. A Double Promotion Examination as per the revised rules was conducted in July 1954, by the Supervising Officers. In all, 421 i.e. 79.7 per cent. pupils, out of the total of 528 pupils who had appeared for the Examination, were successful and promoted to higher standard from 1st August 1954.

Written Examinations of pupils of Standards IV to VII, were held in the months of March and April 1955 by a Central Examination Board including representatives of the Municipal Teachers' Federation and the Municipal Headteachers' Association, specially constituted for the purpose; Sub-Committee were appointed by the Board for the purpose of setting the question papers on different subjects and the Sub-Committees forwarded to the paper-setters selected questions from those received from the Schools of different zones. The Examination was conducted at selected Centres and the Answer Books assessed by selected teachers at fixed Centres under the supervision of Supervising Officers. Sidewise results of the Annual Examinations of Municipal Schools held in March-April 1955 are given in Appendix No. 3. The results of the City Schools were 72 per cent. while those of the Suburban Schools were 78 per cent. A supplementary Examination will be held in June 1955 for the benefit of those pupils who could not appear at the Annual Examination due to illness or other circumstances beyond their control.

In all 10,039 pupils (8,802 from City and 1,237 from Suburbs) from Municipal Schools, appeared for the Primary School Certificate Examination, 1954, and 46 per cent. of them (47 per cent. from the City Schools and 34 per cent. from the Suburban Schools) were successful.

The following Factors, *inter alia*, hampered the progress of the pupils in Municipal Schools: (1) largeness of certain classes, (2) lack of suitable School buildings, (3) inadequate facilities to pupils to study at home and (4) economic conditions of the parents resulting in irregular attendance and long absence of pupils.

In Schools with big classrooms, the number of pupils in a class sometimes reached a figure of 60/65 rendering the class unwieldy and unmanageable for the class teacher. Consequently, the necessity of doing teaching work in detail by giving individual attention could not be fulfilled in some of the Schools. On the other hand, in Schools housed in hired residential buildings, overcrowding on account of inadequate space was an impediment in the way of efficient instruction. In all, about 190 Municipal Schools and classes are required to be run in two sessions for want of sufficient accommodation, the number of classrooms used twice being 1178. This measure, though resorted to as a matter of necessity, has been hampering instruction besides causing a lot of inconvenience to the pupils, teachers and the parents because of odd hours of sessions. This also retards the progress of education inasmuch as the attendance of pupils in session fluctuates during the course of the year as the children are required to attend the School for a limited duration either in the morning or in the afternoon and they get a sufficiently long span of leisure either to take up some occupation outside or come under undesirable influences. This is specially noticeable in the labour class and backward localities. All these unavoidable evils pivot on the primary problem of the necessity of adequate accommodation for Schools. An exhaustive programme of construction of new School Buildings which has been taken up now would, it is hoped, improve the situation considerably in a few years.

The existing curriculum for Standards I to VII has been already revised by the Government. The new curriculum is to come into force from June 1955.

Text-books as per the directions given by Government under the Government Resolution, Education Department No. T.B.K. 1051 dated the 11th January 1952, as per the provision of Section 62BB of the Bombay Municipal Corporation Act, continued to be used in the Bombay Municipal Primary Schools during the year under report along with the additional books on Drawing, Hindustani etc., that were approved by the Education Committee. The new set of Sindhi Text-Books prescribed by the Government last year also continued to be used in the Sindhi Schools.

With a view to providing facilities to Municipal Teachers for undergoing training from time to time **8. Refresher Classes for Municipal Teachers.** in the methods and practices of teaching which vary with the progressive ideals of education, three Refresher Classes for the teachers of Municipal Marathi, Gujarati and Urdu Schools were conducted during January-March 1955. The Classes ran for 2½ months for 1½ hours daily on five working days in a week with a strength of about 40 teachers in each class. Inspecting Officers of the Sides concerned were entrusted with the work of organising and conducting the Classes with the help of competent teachers, wherever necessary. In order that the teachers may not be put to financial hardships, teachers and teacher-instructors were paid the actual Travelling Allowance incurred by them for attending the Classes. The teachers selected for the Refresher Classes were mostly untrained and below 50 years of age. About 38 Marathi, 36 Urdu and 38 Gujarati Teachers received the benefit of the Classes.

The Rahimtoola Currimbhoy Urdu Training Institute for lady teachers continued to function as usual. **9. Rahimtoola Currimbhoy Urdu Training Institute for Lady teachers.** During the year under report, 38 pupil-teachers in the I Year and 32 in the II Year were under training at the Institute. 37 Trainees of the I Year Class were promoted to the II Year Class. Out of the 32 Trainees of the II Year Class, 15 (i.e. 46 per cent.) were successful at the Primary Teachers' Certificate Examination, more failures being due to the regional language. Various extra-curricular activities, i.e. Debates, 'Sakhionki Anjuman', celebration of Ghali Day, Laundry Day, Gram Sudharak Saptah etc., were carried out by the Institute. Three new Graduate Teachers were appointed in the vacancies at the Institute during the year under report.

Fees at the rate of Rs. 2 for Standard V, Rs. 2-4-0 for Standard VI and Rs. 2-8-0 for Standard VII continued to be charged during the year under report education in the lower standards **10. Fees, Freeships and Trust Fund Prizes.** being entirely free. All children of Scheduled Castes and other Backward Classes, however, continued to be admitted and taught free in Municipal Upper Primary Schools. Wards of all Municipal employees drawing a salary upto Rs. 240 per month were also exempted from payment of fees. Freeships and half-freeships were 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, in all 32,699 pupils received free studentships, out of whom 7,246 were children of Scheduled Castes and other Backward Classes and 1,730 were children of Municipal employees. The amount of interest accrued on the various Trusts and Endowment Funds was distributed among the eligible pupils as per the terms and conditions of the Trusts.

The progress towards the replacement of old type of furniture and the adequate supply of equipment and **11. Equipment and Furniture** teaching aids and materials continued as usual during the year under report. Steel copyboards were supplied to a number of Schools. Besides other furniture articles and School equipment worth about Rs. 84,800 were ordered out during the year.

The number of Municipal owned School buildings at the beginning of the year was 63-30 in the City and **12. School Buildings.** 33 in the Suburbs. The new School building at Suparibaug Road which was under construction last year was completed and brought into use during the year under report. Additional floor or extensions were constructed in the case of two buildings Municipal Haji Ismail Haji Allana Marathi School in the City and Municipal Ghatle Marathi School in the Suburbs. Works of extension of the Municipal Municipal Sunderji Gujarati School, Vile Parle and the Village Marathi School, Old Kurla were also nearing completion. One structure belonging to the Branch School of the Ramji Assar Vidyalaya, Chhatkopar, was also taken over along with the pupils of the School by the Corporation during the year. Thus at the end of the year the number of Municipal owned school buildings increased to 65 (31 in the City and 34 in the Suburbs) accommodating about 49,000 pupils in all. The remaining Schools were accommodated in rented buildings at an approximate yearly cost of Rs. 7,03,548 inclusive of Ground rent, Municipal Taxes, Insurance Premia, etc

Unsatisfactory conditions of the rented buildings, which were originally constructed for residential purposes, continued to be a handicap, more so for want of proper and timely repairs which the landlords were rather reluctant to carry out. While the number of pupils in Municipal Schools is increasing from year to year, it has become practically impossible to acquire additional accommodation except by way of constructing new School buildings or extending the existing ones. Alleviate this problem, the Department is making a steady and planned progress towards the construction of new school buildings, extension of the existing ones and the acquisition of private plots and structures wherever possible.

### III.—Municipal Aided and Recognised Schools.

The number of Aided Schools in the City on the last day of the year was 228 as against 226 at the beginning of the year. The corresponding figures for the Suburbs were 62 and 65. The difference in the number of Aided Schools at the beginning and the end of the year in the City was due to the registration of four new Schools, transfer of two Schools from the list of Recognised Schools to the list of Aided Schools and the removal of four Schools from the List of Aided Schools to the list of Recognised Schools. In the Suburbs, the difference was due to the taking over under the Municipal management of three private Aided Schools.

The number of pupils in Aided Schools in the City and Suburbs decreased during the year under review from 73,771 to 67,345. One of the causes of the decrease was the taking over of 3 Aided Schools and a Branch School under Municipal management. Details regarding the number of Aided Schools and pupils in them are given in the Appendix No. 4.

The average number of pupils on rolls in Aided Schools in the City during the year was 52,974 as against 56,493 and the average daily attendance was 49,051 (i.e., 92.5 per cent.) as against 50,622 (i.e., 89.5 per cent.) of the previous year. In the Suburbs, the average number of pupils on rolls was 13,692 as against 16,556 and average daily attendance was 12,138 (i.e., 88.7 per cent.) as against 14,873 (i.e., 89.8 per cent.) of the previous year.

The total number of Teachers in Aided Schools as on 31st March 1955 was as follows :—

#### 14. Teachers in Aided Schools.

	City	Suburbs	Total
Ordinary Teachers	1,757	410	2,167
Special Teachers	383	65	448
Total	2,140	475	2,615

Out of the 2,167 Ordinary Teachers, 1,299 were trained and 868 were untrained. The percentage of Trained Teachers in Aided Schools to the total number of Teachers worked out to 59.9 which compared unfavourably with the percentage of trained teachers in Municipal Schools which is 87 per cent.

The Superintendent, Gujarati Schools (South) continued to be in charge of the Aided Schools during the year under report and he was assisted in his work by an Assistant Superintendent and five Inspecting Officers—three for the City Section and two for the Suburban Section. Educational work of the Aided Schools was observed, checked and guided by Surprise Visits, Inspection Visits etc., by the Inspecting Officers. Their Registers and records were also checked by the clerical staff of the Aided Section. Some of the Officers of other Sections also assisted the Superintendent, Aided Schools in his work of Annual Educational Inspection of the Aided Schools.

The Government had, in the month of June 1954, directed that as the English Teaching Schools which are composite Schools providing courses from Pre-primary to the end of the Secondary stage have been brought into line with other Primary and Secondary Schools inasmuch as such Schools now follow in addition to the Pre-primary course, a Primary course of four years from Standards I to IV and a Secondary course of seven years from Standard V to XI, the grants to the Primary stage viz., Standards I to IV and the Secondary stage viz., V to VI being admitted at the rates admissible for Primary Schools and Secondary Schools respectively from the financial year under report. In consequence of these directions, the Corporation became responsible for recognising and aiding Standards I to IV only of the English Teaching Schools. The Education Committee therefore, under their Resolution No. 143 of 16th October 1954, accorded sanction to the withdrawal of registration and recognition in case of these Schools in respect of Standard V and VI with effect from 1st April 1954. The registration of 57 English Teaching Aided Schools was thus withdrawn in respect of Standards V and VI as a result of this decision. The Director of Education, Bombay State, however, later on in his Circular regarding Grant-in-aid to Secondary English Teaching Schools in respect of Standards V and VI issued in March 1955, stated that since the Syllabus for Standards V to VII of Primary and Secondary Schools was common, there was no point in treating these Standards as Secondary for purposes of Grant-in-aid unless the Schools concerned wanted to develop and teach at least up to Standard IX and that the English Teaching Schools teaching upto Standard VII only which were already recognised as Primary should be continued to be so recognised and paid grants as before. In view of the revised orders of the Government, this Department was again required to grant registration and recognition in respect of Standards V to VII of those English Teaching Schools which are not full-fledged Secondary Schools and the matter is still under consideration till the expiry of the year under report.

The power of administering grants to Aided Schools vests in the Corporation under Section 62C(3) of the Bombay Municipal Corporation Act. The rate of maximum admissible expenditure per pupil per annum in respect of the Aided Schools continued to Rs. 47 as sanctioned by the Corporation under their Resolution No. 488 of the 6th August 1953. The total amounts of grants assessed as per rules in favour of the Aided Schools (including four Special Institutions and the Primary Sections of the English Teaching Schools) for the year under report amounted to Rs. 5,95,411 for the City Schools and Rs. 1,50,665 for the Suburban Schools, as against the corresponding figures of Rs. 6,11,496 and Rs. 1,77,755 of the previous year. The grants assessed, however, exceeded the budgetted provision by Rs. 2,86,076. Suitable cuts had, therefore, to be applied to the grants assessed in respect of certain Schools as per the 'Means Test' as was done last year in consideration of their sources of income e.g., fees etc. Even after application of the 'Means Test', the grants payable to Schools worked out to Rs. 3,69,918 for the City Schools and Rs. 1,11,030 for the Suburban Schools as compared to Rs. 3,37,993 and Rs. 1,14,998 for the last year. More grants were thus proposed to be paid this year at a higher rate as compared to the last year. The grants were finally sanctioned by the Corporation under their Resolution No. 1889 of 24th March 1955 with the necessary additional grants required to supplement the Budget provisions. The grants will be paid to the Schools during the ensuing year.

Grants were not recommended in favour of the following Schools for reasons mentioned against them :	
(1) Bhesania High School	} Transferred from the List of Aided Schools to the List of Recognised Schools
(2) St. Michael's High School	
(3) Ideal High School (Peddar Road).	} Proposed to be transferred to the List of Recognised Schools.
(4) Byrami Jeejibhoy Parsi Charitable Institute	
(5) Jasmines High School	
(6) Bai Ratanbai F. D. Panday Girls' High School.	... Low Attendance.
(7) Britannia Boys' and Girls' School	... There being no child in the School with English as its mother-tongue.
(8) Alexandra Girls' English Institution	... Taken over by the Corporation.
(9) D. D. R. Kanyashala, Ghatkopar	... }
(10) G. P. P. High School, Primary Section, Vile Parle	... }
(11) Pandit R. Jain Kanyashala, Ghatkopar	... }

As stated in last year's report, a representation had been made last year to the Government requesting them to reconsider their decision of refusing to bear their share on account of the expenditure incurred on Dearness Allowance by Private Primary Aided Schools in the Ex-Bandra Municipal Area from 1st January 1947 to 28th February 1949. The Director of Education was also supplied with certain information asked for by him in this connection. No final reply has, however, been received from the Government in the matter so far.

The total expenditure incurred by the Aided Schools and the average cost per pupil to the Corporation by way of grants during the year under report with comparative figures of the previous year are given in Appendix No. 5.

18. Expenditure incurred by Aided Schools and the Cost per Pupil.

The standard of instruction obtained in some Aided Schools was comparatively low on account of inadequacy of teachers and equipment. The scales of salary and rates of Dearness Allowance in Aided Schools were also not as per the Municipal Scales. The Schools were, therefore, persuaded to lay down service conditions, pay scales and Provident Fund Schemes for the benefit of their staff, with the approval of the Department.

19. General conditions of Aided Schools and Service Conditions of Teachers.

While some Schools adopted our suggestions, uneven scales and unsatisfactory service conditions continued to prevail in a number of Aided Schools, there being no provision under the existing Grant-in-Aid Code of powers to enforce our directions in the above matter. Complaints of ill-treatment of teachers by the management of some Schools were promptly attended to and amicable settlement between the management and the staff was arrived at in some cases after persuasion. Grants in respect of two Aided Schools were withheld during the year for failure to do justice to certain members of the staff.

A revised draft Grant-in-Aid Code has been prepared and the same has been partly considered by the Education Committee.

Besides the Aided Schools, there were 43 other Schools (34 in the City and 9 in the Suburbs) which were recognised but which did not receive aid from the Corporation. About 382 teachers (338 in the City and 44 in the Suburbs) were working in these Schools imparting education to about 8,452 pupils (7561 in the City and 891 in the Suburbs).

20. Unaided and Recognised Schools.

During the course of the year under report 16 new Schools (10 in the City and 6 in the Suburbs) were granted recognition, 5 Schools (all in the City) were removed to the list of Aided Schools whereas 3 Schools (all in the City) were added being transferred from the list of Aided Schools. Thus there was a net increase of 14 (8 in the City and 6 in the Suburbs) in the number of Recognised Schools during the year.

#### IV.—Free and Compulsory Primary Education

The work of enforcement of compulsion was being looked after by the Special Attendance Officer, assisted by an Assistant Special Attendance Officer and one Junior Attendance Officer.

21. Supervision.

In pursuance of the policy of disbanding this Department, the last named Officer was transferred as Supervisor for the Marathi Schools in one of the vacancies with effect from 14th June 1954.

As required by Rule 5 of the Rules framed by Government under Section 18 of the City of Bombay Primary Education Act of 1920, as amended up-to-date, a census of non-attending children of School-going age was taken from 4th January to 3rd February 1955. A staff of 82 Head Enumerators, 600 Enumerators and 82 Peons was drafted from amongst the Municipal Headteachers, Deputy Headteachers, Teachers and Peons for the work. The Census revealed 33,500 non-attending children of compulsory age (i.e. between 6 and 11 years) and 12,623 children below 6 years of age. These 12,623 non-attending children, though willing to join a School, were due for joining Schools from June 1955 as per our age rules. They were advised to join Schools in June 1955 when the new academic year would begin.

22. Census of non-attending children.

The Appendix No. 6 shows the actual progress made during the year as compared with that of the previous year.

#### V.—Vocational Education

The Municipal Central Schools which were reorganised as Vocational Upper Primary Schools from June 1949 by the introduction of the teaching of different crafts, continued to function during the year under report. These schools prepared pupils for the Primary School Certificate Examination and also for the Carpentry and Tailoring Examinations of the Department of Technical Education, Government of Bombay. As stated in the last year's report the Government had accepted our suggestion to reduce the course of studies to 3 years in all Vocational Schools and also to introduce Tailoring as one of the Compulsory Subjects under Head V of the Primary School Certificate Examination. Suitable adjustments and changes such as introduction of the subjects of Carpentry and Tailoring from Standard V and the abolition of the Division of Standard VII as Junior and Senior that were introduced last year, were continued and the number of pupils in the Vocational Schools increased from 2,960 to 3,111 during the year under report.

23. Vocational Schools.

There were in all 22 Vocational Schools teaching different crafts such as Tailoring, Carpentry, etc. Spinning and Weaving was taught in only one School, viz., the Municipal Byculla Marathi School No. 1. The number of Handicraft Classes increased to 22, out of which 9 taught Carpentry, 5 Tailoring, 2 Clay Modelling, 2 Toy Making, 1 Clock Repairing, one Book Binding, one Signboard Painting and one Carpet Weaving. Instruction in Spinning and Card-board Modelling was also given to the lower standards in some of the Suburban Schools. A printing class was also started in Foras Road Municipal Vocational Marathi Upper Primary School from October 1954. The classes worked under the direct supervision of the Supervisor of Handicrafts and Stores assisted by 45 Handicrafts teachers. There were 3,111 pupils attending Handicrafts Classes, out of whom as many as 2,728 received instruction in Carpentry and Tailoring as against 2,684 in the previous year. The imposition of an Examination Fee for the Carpentry and Tailoring Examination by the Government has been adversely affecting the number of pupils appearing from Municipal Schools for the examination and this year, only 397 pupils (231 for the Tailoring Examination and 166 for the Carpentry Examination) appeared. Out of these 112 (i.e., 67 per cent.) and 90 (i.e., above 41 per cent.) were successful in the Carpentry and Tailoring Examinations respectively. About 654 pupils from Municipal Schools appeared for the Primary School Certificate Examination 1955 with Wood-work and Tailoring as their subjects.

On account of the change in the academic year, the Exhibition of Handicrafts and Sewing Work which is an annual feature of the Handicrafts Department was not held this year during February-March 1955 as usual as the pupils and teachers remained very busy during this period in their studies and in preparation for the Annual Examination. The Exhibition is proposed to be held after the re-opening of Schools in June 1955, instead.

## VI.—Physical Education

The Government Syllabus in Physical Education for Lower Primary and Upper Primary Schools in the State continued to be followed in Municipal Schools this year also with suitable modifications to suit local conditions. Five periods per week for Standards I to IV and three periods per week for Standards V to VII were assigned for Physical Education. Pupils of Standards V to VII of the Vocational Schools who had to learn a Craft were exempted from Physical Instruction. Separate time-tables continued to be maintained for Physical Instruction in schools and the Senior Supervisor of Physical Instruction and other Officers of the Physical Instruction Section paid frequent visits to Schools to guide the teachers in charge of Physical Instruction in their work. A Short-Term Course in Physical Instruction was conducted at three Centres—two in the City and one in Suburbs—outside School hours during the year under report for imparting training in Physical Instruction to the Municipal teachers. The Classes comprised of one hour's instruction daily for 52 days and concluded with a written and practical examination. In all, 107 Municipal Teachers were admitted in the Physical Training Classes out of which 105 completed their training successfully.

The Appendix No. 7 gives information regarding Physical Education in Municipal Schools.

The following were the main activities of the Physical Instruction Department during the year under report:—

### (i) Annual Sports

The Sports Competitions of the pupils of Municipal Schools were held in common for all Language Schools in the second half of November 1954 at eight selected Centres—6 in the City and 2 in the Suburbs—between 11th November and 23rd November 1954. The Finals were held on the 29th November 1954 at the Gilder Tank Playground. The Prize Distribution Ceremony of the Annual Sports was held on 29th January 1955 at Gilder Tank Playground under the Presidentship of Shri Mangaldas Pakvasa, the then Governor of Bombay. A Cultural Programme of a number of interesting items presented by the pupils of Municipal Schools highlighted the function which was attended by a large and distinguished gathering. At the end, prizes and cups were distributed to the winners in the Sports. The Championship Cups were won by the following Schools:—

- (1) Dr. Cursetji Cup—Nagpada Urdu School.
- (2) Shri Jal Engineer Cup—New Dadar Kumbharwada Marathi School.
- (3) Shri N. M. Mirchandani Cup—Victoria Gardens Marathi School.

### (ii) Mass Drill Displays

Four Mass Drill Displays—two by the children of City Schools and two by the children of the Suburban Schools—were held during the year under report. The Mass Drill Display by the children of the Municipal Schools in South Bombay Area was held on the 14th December 1954 at the Gilder Tank Playground under the Presidentship of Dr. H.D. Gaonkar, Chairman, Education Committee, wherein about 2,000 children from 39 Schools participated. The Mass Drill Display by the children of the Municipal Schools in North Bombay Area was held on the 18th December 1954 at Shivaji Park under the Presidentship of Shri S. K. Patil, M.P., President, Bombay Pradesh Congress Committee, when 5,000 pupils from 46 Schools participated in it. In the Suburbs, a Display was held on the 20th December 1954 at Swadeshi Mills Compound, Kurla, under the Presidentship of Shri A. K. M. Hafizka, Chairman, B. E. S. & T. Committee, when 1,500 children from 20 Schools participated in it. The other Mass Drill Display was held on the 22nd December 1954 at Petit Municipal Marathi School Compound, Bandra, under the Presidentship of Smt. Sulochana Modi, M.A., J.P., Chairman, Standing Committee, wherein about 1,500 children from 21 Schools participated. The Displays, among other items, included a March Past and the distinguished audience expressed satisfaction at the discipline displayed by the children of Municipal Schools.

The Children of Municipal Schools also participated in the Children's Rally held on the 7 October 1954 under the auspices of the Sane Guruji Kathamala at Shivaji Park in honour of Shri Jawaharlal Nehru, Prime Minister of India. Of the 50,000 children at the Rally, more than 25,000 were from Municipal Schools. The Officers of the Physical Instruction and Scout Departments rendered all help to the management of the Rally, in making sitting arrangements and maintaining discipline.



## VII.—Scout Movement

The Boy Scout and Girl Guide Movement continued to flourish as usual in Municipal Schools. Shri M. V. Dondé, B.A., M.L.C., and Smt. Khadija Shuffi Tyabji, M.L.A., J.P., continued to hold the Offices of the District Commissioner, Municipal Boy Scouts and District Commissioner, Municipal Girl Guides, respectively during the year.

25. Boy Scouts and Girl Guides.

The number of Scout Troops and Cub Packs at the end of the year was 116 (98 in the City Schools and 18 in the Suburban Schools) and 59 (52 in the City and 7 in the Suburbs) respectively and that of Scouts and Cubs was 2,706 (2,344 in City and 362 in Suburbs). The number of Girl Guide Companies and Flocks at the end of the year was 72 (69 in the City and 3 in the Suburbs) and 157 (148 in the City and 9 the Suburbs). The number of Guides and Bulbuls in them was 1,946 (1,858 in the City and 88 in the Suburbs) and 3,896 (3,662 in the City and 234 in the Suburbs) respectively during the year.

With a view to dealing effectively with the varied problems of Scouting and Guiding of the Municipal Scouts, it has been proposed to have a separate Divisional Organisation of the Municipal Scouts and Guides as stated in the last year's Report. Necessary constitution and Bye-laws have been accordingly framed for a Divisional Organisation under which there will be District and Local Associations with freedom to propose their own Office-bearers and the same were submitted last year to the National Headquarters, Bharat Scouts and Guides for their approval. The matter is still under consideration and correspondence and their decision in the matter is awaited.

The usual activities of the Municipal Boy Scouts and Girl Guides such as (i) week-end camps, trips and excursions, (ii) Preliminary and Patrol Leaders' Training Camps, (iii) Social work, (iv) Help at Departmental and other Public Functions and (v) Celebration of Republic Day, etc., continued to be carried out during the year.

27. Activities during the year.

The following were some of the important activities of the year:—

## (i) The National Scout Week

As per the directive of the Bharat Scouts and Guides, Bombay State, the National Scout Week was observed by the Municipal Scouts and Guides from the 20th November to the 27th November 1954. Being of tender age, the Municipal Scouts could not participate in the item of "Khari Kamai" sponsored by the Bharat Scouts and Guides. They, however, attended their Schools in Scout uniforms during the whole of the Week and helped their teachers, school mates and chawl neighbours in maintaining cleanliness in the Schools and homes.

## (ii) Annual Scouts Sports and Rally

The Annual Sports of the Boy Scouts and Girl Guides were held from the 6th January to the 12th January 1955. The events included items such as 'Bandage and Fireman's Lift', 'Signalling', 'Bandage Tying Race', 'Knot Tying Race' and 'Relay Races'. About 605 Scouts and Cubs and 682 Girl Guides and Bulbuls participated in the Sports, out of whom 56 Scouts and Cubs and 86 Guides and Bulbuls won prizes of a total worth of Rs. 1,800.

The Annual Rally of Municipal Boy Scouts and Girl Guides was held on the 26th February 1955 at the Gilder Tank Playground under the Presidentship of Shri Dinkarrao N. Desai, M.A., LL.B., Minister of Education & Law, Government of Bombay, who, in his presidential address, laid stress on the maintenance of discipline amongst the students and expressed satisfaction at the Bombay Municipal Education Department and the Corporation attending to this aspect of Education. The function consisted of a number of Scout items performed by the Municipal Scouts and Guides. Smt. Desai gave away the prizes and cups to the winners of the Sports Competitions.

The Championship Cups and Shields were awarded to the Schools shown in Appendix No. 8.

## VIII—Finance.

The principal sources of income of the Primary Education Department have been (i) the Corporation's Contribution a sum equal to five times the amount of the net estimated realisation of the General Tax divided by the rate of General Tax; (ii) Government Grant towards Primary Education; (iii) Fees from Upper Primary Standards of Municipal Schools and (iv) other Miscellaneous Receipts. The Budget Estimates of the Education Fund for the year 1954-55 were prepared and submitted by the Municipal Commissioner to the Education Committee in October 1953, as required under Section 126-C of the Bombay Municipal Corporation Act. The income for the year 1954-55 was estimated at Rs. 1,50,79,000, (Rs. 1,32,75,000 for the City Section and Rs. 18,04,000 for the Suburban Section) showing an increase of Rs. 5,11,000 (Rs. 4,11,000 under the City Section and Rs. 1,00,000 under the Suburban Section) over the Budget estimates of the previous year. The increase was mainly due to an estimated rise in the receipts of General Tax. The estimated expenditure for 1954-55 was placed at Rs. 1,52,13,000 (Rs. 1,30,91,000 for the City Section and Rs. 21,22,000 for the Suburban Section). Thus the Budget Estimates for 1954-55 showed a deficit of Rs. 1,34,000 and the same was proposed to be met from an opening balance of Rs. 4,50,000. The position would have been worse had the requirements of teachers been based on the old basis instead of on the "Classroom Formula". Though circumscribed by the inelastic sources of revenue on one side and the increasing demand for more and better Schools and educational facilities, the Budget Estimates for 1954-55 made provision for setting up of a Research Unit for studying the problems of the Municipal Education System, for carrying out research in Education with a view to raising the standards of Education in Municipal Schools, for executing twenty new works and acquisition of plots. The provision for payment of grants to Private Primary Schools was also increased slightly so also was the provision for furniture and equipment for Municipal Schools. The Budget Estimates were adopted by the Education Committee with some modifications, increasing the provision already made for the purchase of Books, Periodicals, etc.

On finally closing the account for the year 1953-54, the actual closing balance amounted to Rs. 10,75,056-5-10.

29. Income and Expenditure.

The details regarding the Municipal grants, Government Grants and other Miscellaneous Receipts were as follows :—

	Municipal Grant.			Government Grant.			Other Miscellaneous Receipts.		
	Rs.	as.	ps.	Rs.	as.	ps.	Rs.	as.	ps.
City ...	99,05,135	0	0	25,09,500	0	0	5,88,470	8	10
Suburbs ...	13,40,484	0	0	5,50,000	0	0	73,106	1	3
Total ...	1,12,45,619	0	0	30,59,500	0	0	6,61,576	10	1

The item under Miscellaneous Receipts included fees in Standards V, VI and VII of Municipal Schools.

The total expenditure for the year including offices amounted to Re. 1,38,16,321-6-9 (Re. 1,18,36,430-13-0 for the City Section and Rs. 19,79,890-9-9 for Suburban Section) the excess amount reserved for the charges for the year over the previous year being Rs. 1,12,392 leaving a closing balance of Rs. 21,13,038-9-2.

The Grant paid by Government to the Corporation towards the cost of Primary Education amounted to Rs. 30,59,500 including the amount of Rs. 5,50,000 for the Suburban Education and average per cost pupil Schools.

While submitting Budget Estimates during the last two years, the need for increased Government grant was stressed, because the principal source of revenue (*viz.*, contributions from the realisation of the General Tax) was inadequate to meet the growing expenditure of the Primary Education. A representation was therefore made to Government by the Mayor in pursuance of the Corporation Resolution No. 620 of 22nd September 1952 to do away with the existing ceiling limit of Rs. 25 lakhs and bear the cost of Upper Primary Education on 50:50 basis. As stated in the last year's report, Government turned down the request on the plea that their grant was recently increased, according to the Shroff Committee's recommendations and it was premature to reconsider the matter so soon. It may, however, be observed that the Shroff Committee's recommendations were based on a period of five years from 1948. The number of pupils in Municipal Schools has, however, increased from 1,15,599 (as on 31st March 1948) to 1,96,862 (as on 31st March 1955) and it was high time that the Government reviewed the matter.

Besides being confronted with the necessity of establishment and equipment necessary for catering to the educational needs of the ever increasing number of pupils, the Department also faces the necessity of providing good new School buildings in replacement of unsatisfactory rented ones and unless the Government comes forward and shares a greater burden of the expenditure on Primary Education in Greater Bombay and or gives special grants for building purposes, there will soon be no alternative but to levy an Education Cess for effecting a substantial increase in the revenue.

The Appendix No. 9 shows the average cost per pupil as compared with the corresponding figures of the previous year.

The discontinuance of English in the Lower Middle Standards of Secondary Schools and the comparatively low fees (as compared to those in private Secondary Schools) obtained in the Municipal Schools, have resulted in a considerable influx of pupils in Municipal Upper Primary Schools. The Corporation is thus being required to bear an increasing burden on the education of children in Upper Primary Classes. During the year under report 43,328 out of the total number of 1,96,862 pupils in Municipal Schools were attending Upper Primary Classes as compared to 39,261 out of 1,81,927 last year.

#### IX.—General.

At the initial stage after the Merger of the Suburban Area with the City in the year 1950, a separate 31. Amalgamation of Suburban Office of the Primary Education Department was established at Andheri the City and Suburban and Shri M. P. Shah, Superintendent, Municipal Gujarati and Aided Schools, was put in charge of the Suburban Schools and the Suburban Office. Experience had, however, shown that Municipal administration of the Suburbs could be more expeditiously and economically managed if the Suburban Department were integrated with the City Department. The City and Suburban Offices of the Primary Education Department were, therefore, amalgamated with effect from 1st May 1954. The administration of the Municipal Suburban Schools is now being managed by the Superintendent of the City Schools as per languages. As a result of the integration, after retaining the necessary staff, some of the posts in the Ministerial and Inferior Services on the Establishment of the Suburban Offices were abolished in due course as and when the incumbents of these posts were absorbed in other vacancies. The net immediate annual savings as a result of the amalgamation worked out to Rs. 23,600 approximately.

The School Health Service under the Executive Health Officer of the Corporation for the benefit of Municipal Primary Schools continued to operate as usual. Medical Inspection of pupils 32. School Health Service reading in Standards I and III, as well as of those from standards II and IV who had not been examined during the previous year was taken during the year, besides the medical examination of special cases presented by parents and teachers. In all, 43,026 pupils (23,582 boys and 19,444 girls) were examined during the year out of whom 35,227 were found to suffer from one defect or the other. Amongst the common defects noticed, General Debility and defects of teeth, mouth and throat were found dominant. The defects noticed were communicated to the guardians of the children. On the guardians' consent, about 8,000 pupils were treated either at the Municipal Dispensaries or at the School Clinic in the K.E.M. Hospital. The accommodation at the School Clinic was, however, inadequate. Pupils with communicable diseases were promptly detected and prevented from attending the Schools during their period of infectivity. 51,322 pupils were vaccinated during Small-pox epidemic during March-April 1954, besides those vaccinated at the Central

Vaccination Depot through School Health Organisers. More than 1,000 Health Talks on subjects of simple and personal hygiene were given to children in the Schools by the School Health Officers and Nurses in order to inculcate healthy habits amongst the children. About 2,000 ailing children were visited at their homes by the School Health Nurses, who also gave instructions to their parents as regards their care and diet. Children suffering from Scabies, ringworms or boils were treated in the Schools by the Nurses and 129 tonsils and other operations were performed at the School Clinic. Above 200 pupils with dental defects were treated at the Nair Hospital Dental College whereas about 75 children with errors of refractions were supplied with spectacles free of charge during the year.

Certified under-nourished children continued to be given free 8 ozs. of toned pasteurised milk on every School working day almost throughout the year. In all, about 36,000 under-nourished children in City Schools received milk at 311 Milk Distribution Centres in Municipal Schools at a cost of about Rs. 7 lacs. The Scheme of supplementing the free supply of milk to the under-nourished children with light snacks and supplementary food sanctioned by the Corporation last year was introduced during the year under report in some of the City Schools from October 1954. Under this new scheme, launched in consultation with the Nutrition Department of the Haffkine Institute, Government of Bombay, snacks in the form either of Chikki (toffee) or fruits (Chiku or Orange) was given to the under-nourished children on School working days with a view to supplementing their milk food. Each child was given 1 oz. of chikki (groundnut or til-seed chikki added with gram and jaggery, hygienically prepared and wrapped in clean white butter paper) for 4 days in a week while fruits (chiku or orange) were given on the remaining two days. The scheme, though altogether a new feature, functioned smoothly during the year under report. A scheme for supplying shark liver oil tonic to vitamin deficient and anaemic children is also under consideration. The Milk Scheme was extended to the Suburban Municipal Schools from July 1953. To begin with only 3,180 children received free supply of tone-milk during the year 1953-54. The benefit of milk-feed was further extended to 6,270 out of about 9,439 detected undernourished children in the Suburbs. As a result of the reduction in the rate of toned milk from As. 8 a seer to As. 6 a seer effected by the Government, the benefit of milk-feed was further extended to 8,880 children from 68 Schools in the Suburbs. A fresh medical inspection of pupils in the Suburban Schools has been started from March 1955 with a view to determine the number of undernourished children requiring a daily milk-feed during the ensuing year.

At the end of the previous year, there were 18,046 books in Marathi, Gujarati, Hindi, Urdu, English, Tamil and Telugu in the Library. During the year under report, 436 new books in different languages were added to the stock whereas 393 worn-out and unserviceable books had to be written off from the stock. Thus the total number of books at the end of the year under report was 18,089. The total number of magazines and periodicals subscribed during the year remained 58, as no additional magazine was subscribed to during the year. The total number of books issued during the year was 12,602 showing an average of 43 books per day as against 12,906 with a daily average of 44 during the previous year. Lists of additions of new books continued to be circulated to all Municipal Schools with a view to keeping the teaching staff informed of the latest additions, and 181 new members were enrolled during the year under report. The opening of a new Branch Library in the Suburbs was deferred for funds.

The Bombay Municipal Primary Education Department's Employees' Co-operative Credit Society Ltd. continued to make steady progress during the year. The membership of the Society increased from 3,988 to 4,216 and the share capital from Rs. 4,27,980 to Rs. 4,66,250. The total deposits of the Society further improved by Rs. 2,90,000 and they now stood at Rs. 19,91,000. Advances to members by way of loan went up by about Rs. 2,00,000 and stood at Rs. 18,00,000. The working capital of the Society also showed an increase of Rs. 4,00,000 approximately. The Society during its financial year ending 30th June 1954 made a profit of Rs. 30,193-2-10 which was higher by Rs. 3,222 than that of the previous year and all its activities continued to progress smoothly.

On the occasion of the Central Sharad Utsav Function held at the Gilder Tank Playground on the 23rd October 1953 last year, thirty-two distinguished guests including the Mayor and Municipal Councillors had expressed their desire to donate one Silver Shield each as a token of their appreciation of the good work and achievements of the Municipal Primary Education Department. The thirty such Shields were received during the year under report and the same along with other Shields received during previous years were awarded to the best and cleanest Schools of the year in the different Municipal Wards.

The free use of Municipal School premises for running Government Milk Centres and for conducting Social Welfare Education Classes, Hindi Classes, Night Schools, etc., under the auspices of Educational and Social Welfare Institutions was continued to be allowed gratis or at nominal fees outside regular School hours on prescribed conditions with the consent of the landlords of the buildings concerned.

Extra-curricular activities in Municipal Schools continued to receive active attention of this Department as an essential and important aspect of Primary Education, necessary for inculcating the qualities of Social Service, Patriotism and good citizenship among the pupils. The following were some of the main extra curricular activities conducted during the year under report in the Municipal Schools:—

(a) *Vacation Libraries.*—During the Summer Vacation of May 1954, Vacation Libraries were conducted specially for the benefit of children not going out of Bombay at 18 Centres in the City and 6 Centres in the Suburbs. The Centres were located in the various Municipal Schools in different localities and two teachers and a peon were appointed at each Centre to guide the children attending the Libraries. Each Centre was equipped with suitable books in Marathi, Gujarati, Hindi, Urdu, English, Sindhi and South Indian languages. A large number of children took advantage of the Libraries, the average daily attendance being over 2,800 and the number of books issued for reading being over 46,400 at all the Centres.

(b) *Educational Film Shows.*—Educational Films on different educational and general topics were shown to the pupils of Municipal Schools in co-operation with the Visual Instruction Department, Government of Bombay, the United States Information Services, the Propaganda Officer, Bombay Municipal Corporation etc. A new feature, viz., display of full length instructive films at special concessional rates to the Municipal School children was introduced this year with great success with the co-operation of a number of Film Producers,

Such films were first reviewed by the 'Educational Film Show Committee' of the Department and were selected for displaying to the children only if found suitable. "Shyamchi Aai" (the winner of President's Award for the year), "Mitra", "Sant Tulsi Das" were some of the full-length films shown to the pupils at concessional rates. This Department was also represented on the Film Festival Committee formed by the Bombay Presidency Women's Council for a Children's Film Festival organised by the Council in November 1954. The Festival was organised at 8 Centres and during which selected Indian and Foreign Films specially suitable for children were shown to pupils of Municipal and other Schools in Greater Bombay at nominal rates. About 31,000 children attended the Festival which was enthusiastically appreciated by the children. A few Film Shows were also arranged for the benefit of the teachers and officers of the Department and a Film Show on Carpentry and other Crafts was specially arranged for the benefit of the teachers and pupils of Vocational Schools.

(c) *Republic Day Celebrations*.—The fifth anniversary of the Republic Day on the 26th January 1955 was celebrated by the Municipal Schools on a grand scale this year. Besides the usual Flag Hoisting and Salutation Ceremony in Schools, two specially decorated floats were contributed by the Primary Education Department in the Patriotic Parade-Cum-Procession organised by the State Government in the City. One of the floats depicted in the form of interesting charts and posters the various activities of the Department while the other float displayed in the forms of paintings the various projects and achievements of the country in the sphere of National Building activities. Pupils of Municipal Schools presented various cultural items such as Folk Dances, Songs and Garba on the floats in the procession and also at five different public places for the benefit of the citizens. The Floats and the programmes were highly appreciated by the public.

(d) *Children's Rally at Shivaji Park*.—About 25 thousand children of Municipal Schools participated in the grand Children's Rally organised by 'Sane Guruji Kathamala' at Shivaji Park Maidan, Dadar on the 7th October 1954. The Rally was presided over by Pandit Jawaharlal Nehru, Prime Minister of India. Children of Municipal Schools presented some programmes at the Rally and the 'Koli Nritya' and 'Ras' presented by Municipal children won the appreciation of the Prime Minister and the public.

(e) *Sharad Utsav (Autumn Festival)*.—The Sharad Utsav, which has now become a regular annual feature for the Municipal Schools, was celebrated this year at 11 Centres in the City and 4 in the Suburbs from the 25th September to 12th October 1954, concluding with a Central Function at the Gilder Tank Playground. At each Centre, representing a set of schools grouped locality wise, was arranged an Educational Exhibition of Charts and models etc., put up by the teachers and pupils and a Cultural Function of an hour's duration. Each Function was presided over by some eminent personality of the City—Ministers, the Mayor, Municipal Councillors and Prominent Educationists. A special feature of this year's celebration was the organisation of two excellent Exhibitions on 'Project basis'—one on "Food" and the other on "Clothing" by the Fanaswadi-Vithalbhai Patel Road Group of Municipal Schools and the Vincent Road-Parel Group of Municipal Schools respectively. Both the Exhibitions were so highly appreciated by the distinguished guests and guardians that they had to be kept open for a number of days on public demand.

As was done last year, a Central Sharad Utsav Function comprising of an Educational Exhibition of the best chosen models and exhibits from different centres and a Cultural Programme presenting the best items from the different Centres, was organised at the Gilder Tank Playground on 12th October 1954. The Central Exhibition was inaugurated by Shri Champaklal Modi, President, Bombay City Social Education Committee and the Cultural Programme was presided over by Shri Dabhyabhai V. Patel, the Mayor of Greater Bombay.

This extra-curricular activity of the Municipal Schools has been proving more and more popular with the pupils, parents and teachers alike. It has also great educational value inasmuch as it inculcates among pupils, teachers and the public a habit of co-operation for the better working of Schools and attracts large number of pupils to Municipal Schools.

(f) *Social Gathering of the Primary Education Department*.—The first Social Gathering of the employees—Officers, Teachers and Ministerial as well as Menial Staff—of the Primary Education Department was held under the Presidentship of Shri P. R. Nayak, M.A., I.C.S., J.P., Municipal Commissioner for Greater Bombay on the 24th April 1954. A variety entertainment consisting of Tableaus, Skits, Songs and Garbas was presented by the members of the Staff. A Drama—Tuza Maza Jamena—performed jointly by the teachers of Municipal Marathi Schools and members of the Office staff highlighted the programme and the audience equivocally expressed their appreciation and satisfaction at the comparatively high standard of histrionic art displayed by the performers. The gathering was attended by almost all the employees of the Department and was a complete success.

(g) *School Anniversaries and Parents' Days*.—School Anniversaries, Parents' Days, Dassera Festivals etc., were celebrated in a number of Municipal Schools when special invitations were given to the parents so as to bring them in closer contact with the Teachers with a view to getting better co-operation from them. Lectures, elocution competitions and variety entertainments were arranged on such occasions for the benefit of the parents and pupils.

(h) *Democracy in Schools and "Model School" Movement*.—Class Panchayats (Prefect Courts) and "School Parliaments" were introduced in a number of Schools with a view to inculcating a sense of discipline and self-government amongst the pupils. Distribution of classes into groups and formation of 'Houses' and 'Societies' was encouraged in a number of Schools. In the Societies and Groups, pupils co-operatively celebrated the functions, edited manuscript School Magazines, recited poems, narrated tales, pursued their own hobbies and interests. Inter-school visits of pupils and teachers were also arranged to acquaint them about each other's achievements with a view to developing healthy competition.

(i) *Excursions*.—Excursions by Teachers and Pupils of Municipal Schools to places of educational and historical importance continued to receive due encouragement of the Department. Pupils of Municipal Schools also continued to pay visits to the 'Bal Bhavan' on fixed days during the year.

Meetings of the Supervisory Officers of the Department concerned continued to be held during the year under the Chairmanship of the Education Officer for discussing improvements in Municipal Schools, and problems of day to day administration. Sub-Committees of groups of Officers were formed for discussing special problems of education or administration and evolving common rules and procedures. The Education Officer periodically granted interviews to the representatives of the Municipal Teachers' and Peons' Association, with a view to acquainting with the problems and difficulties of the employees concerned and helping and solving the same wherever possible.

In conclusion, the Department places on record its appreciation of the valuable services rendered by the Officers, the Ministerial Staff, the teachers and the inferior staff during the year under work done by the staff report.

K. KHANDVALA,  
Education Officer.

## APPENDIX No. 1.

## Municipal Schools and Pupils.

Class of Schools.	No. on 31st March 1954		No. on 31st March 1955.	
	Schools.	Pupils.	Schools.	Pupils.
<b>City.</b>				
Marathi Schools	... 152+5 Classes	96,727	153+4 Classes	1,01,709
Gujarati Schools	... 64+10 "	26,106	64+9 "	27,474
Urdu Schools	... 73+12 "	18,895	73+12 "	20,466
Hindi Schools	... 29	7,154	29	7,946
Tamil, Telugu, Kanarese, Malayalam etc., Schools	21+5 "	2,809	1+13 "	3,416
English Primary Schools	... 5+2 "	1,221	5+2 "	1,423
Sindhi Schools	... 6	1,381	6	1,284
<b>Total</b>	... 350+34 "	1,54,293	351+40 "	1,63,718
<b>Suburbs.</b>				
Marathi Schools	... 48+6 Classes	16,652	48+6 Classes	18,818
Gujarati Schools	... 20+5 "	4,724	22+8 "	7,028
Urdu Schools	... 15+1 Class	2,652	16+1 Class	3,249
Hindi Schools	... 8+4 Classes	2,221	8+5 Classes	2,602
South Indian Schools (Tamil and Kannada Schools)	2 Classes	159	3 "	238
Sindhi Schools	... 2+1 Class	1,226	2+1 Class	1,209
<b>Total</b>	... 93+19 Classes	27,634	96+24 Classes	33,144
<b>Grand Total</b>	... 443+53 "	1,81,927	447+64 "	1,96,862

## APPENDIX No. 2.

Statement showing the Number of Trained, Untrained, Permanent and Temporary Ordinary Teachers according to sides—1954-55.

Class of Schools.	TRAINED.		UNTRAINED.		Total.		Total Number of Teachers.
	Per- manent.	Tem- porary.	Per- manent.	Tem- porary.	Per- manent.	Tem- porary.	
<b>City</b>							
Marathi Schools	... 2,087	349	145	9	2,232	358	2,590
Gujarati Schools	... 462	104	104	17	566	121	687
Urdu Schools	... 340	63	100	32	440	95	535
Hindi Schools	... 145	22	42	6	187	28	215
Tamil, Telugu, Kanarase, Malayalam, etc., Schools.	38	19	27	12	65	31	96
English Primary Schools	... 12	5	14	4	26	9	35
Sindhi Schools	... 34	8	...	...	34	8	42
<b>Total</b>	... 3,118	570	432	80	3,550	650	4,200
<b>Suburbs</b>							
Marathi Schools	... 361	67	37	3	398	70	468
Gujarati Schools	... 124	23	28	4	152	27	179
Urdu Schools	... 53	3	24	11	77	14	91
Hindi Schools	... 25	10	27	1	52	11	63
South Indian Schools (Tamil Schools).	4	1	...	...	4	1	5
Sindhi Schools	... 21	7	6	...	27	7	34
<b>Total</b>	... 588	111	122	19	710	130	840
<b>Grand Total</b>	... 3,706	681	654	99	4,260	780	5,040

## APPENDIX No. 3.

## RESULTS OF THE ANNUAL EXAMINATIONS OF MUNICIPAL SCHOOLS.

## (1) Results of the Municipal Annual Examinations—1954-55.

STD.	No. of PUPILS.						TOTAL No. of PUPILS		
	CITY.			SUBURBS.			Appeared.	Promoted.	Percent- age of Results.
	Appeared.	Promoted.	Percent- age of Results.	Appeared.	Promoted.	Percent- age of Results.			
I	42,907	26,968	62	10,201	7,342	72	53,108	34,310	64
II	31,983	23,967	74	6,784	5,379	79	38,767	29,346	75
III	27,577	21,239	77	5,805	4,804	83	33,382	26,043	78
IV	22,630	16,482	72	4,504	3,535	78	27,134	20,017	77
V	15,176	11,617	76	2,466	2,076	84	17,642	13,693	77
VI	11,536	8,940	77	1,733	1,448	83	13,269	10,388	78
VII	10,569	8,394	79	1,364	1,179	86	11,933	9,573	80
TOTAL ...	1,62,378	1,17,607	72	32,857	25,763	78	1,95,235	1,43,370	73

## (2) Results of the Municipal School Pupils at the P. S. C. Examination—1955.

SIDE.	CITY.			SUBURBS.			TOTAL.		
	Appeared.	Passed.	Percent- age of Results.	Appeared.	Passed.	Percent- age of Results.	Appeared.	Passed.	Percent- age of Results.
Marathi ...	6,748	3,111	46	1,010	311	30	7,758	3,422	44
Gujarati ...	1,166	511	43	159	72	45	1,325	583	44
Urdu ...	618	342	55	33	12	36	651	354	55
Hindi ...	251	232	92	35	33	94	286	265	92
South Indian.	19	7	36	...	...	...	19	7	36
TOTAL ...	8,802	4,203	47	1,237	428	34	10,039	4,631	46

## APPENDIX No. 4.

## Municipal Aided Schools and Pupils.

Class of Schools.	On 31st March 1954.		On 31st March 1955.	
	No. of Schools.	Pupils.	No. of Schools.	Pupils.
<b>City</b>				
Marathi Schools	...	34	36	7,562
Gujarati Schools	...	102	101	18,618
Urdu Schools	...	20	20	4,967
Hindi Schools	...	6	7	2,107
Sindhi Schools	...	9	9	1,670
Tamil, Telugu Schools	...	6	5	2,146
Kanarese Schools	...	...	1	210
English Teaching Schools	...	33	32	14,224
Miscellaneous Schools	...	2	2	285
Marathi Night Schools	...	1	1	64
Gujarati Night Schools	...	2	1	90
Urdu Night Schools	...	1	1	38
Kanarese Night Schools	...	6	7	700
Special Institutions	...	4	4	727
<b>Total</b>	...	226	227	53,408
<b>Suburbs</b>				
Marathi Schools	...	5	5	1,099
Gujarati Schools	...	20	17	4,137
Urdu Schools	...	3	3	226
Hindi Schools	...	6	6	1,074
Sindhi Schools	...	2	2	431
Tamil Schools	...	1	1	86
English Teaching Schools	...	26	26	6,833
Gujarati Night Schools	...	2	2	51
<b>Total</b>	...	65	62	13,937
<b>Grand Total for Greater Bombay</b>	...	291	289	67,345

## APPENDIX No. 5.

	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.
<b>City</b>				
1953-54	... 56,493	39,75,705	70.4	12.9
1954-55	... 52,974	37,90,026	71.5	7.5
<b>Suburbs</b>				
1953-54	... 16,556	9,05,033	54.7	7.9
1954-55	... 13,692	9,00,895	65.7	9.1

## APPENDIX No. 6.

## Classification of Pupils as per Age.

Year.	No. of Municipal Schools and Classes.	NUMBER OF CHILDREN			Total.	Average At endance.
		Underage below 6 years.	Compulsory age 6-11 years.	Overage 11 years and over.		
	<b>City:</b>					
1953-54	... 300 Schools 29 Classes.	166	99,739	54,388	1,54,293	1,30,474
1954-55	... 351 Schools 40 Classes.	53	1,01,891	61,774	1,63,718.	1,16,819
	<b>Suburbs:</b>					
1953-54	... 93 Schools 19 Classes.	6	18,677	8,951	27,635	22,604
1954-55	... 96 Schools 24 Classes.	84	21,963	11,097	33,144	26,299

## APPENDIX No. 7.

Total Number of Schools and Classes	...	...	...	...	511
Number of Schools imparting Physical Education on playgrounds...	...	...	...	...	63
Number of Schools imparting Physical Education in open School compounds...	...	...	...	...	220
Number of Schools imparting Physical Education in School rooms	...	...	...	...	228
Total number of pupils	...	...	...	...	1,96,872
Number of pupils taking physical Education	...	...	...	...	1,88,987
Total Number of Teachers	...	...	...	...	5,040
Number of Teachers trained in Physical Education	...	...	...	...	2,148
Number of Teachers to be trained in Physical Education	...	...	...	...	2,892

## APPENDIX No. 8.

(1) Shri Dorab Tata Shield	...	Chinchpokli Marathi School.
(2) Shri M. N. Talpade Cup	...	Imamwada Urdu School.
(3) Smt. Shuffi Tyabji Cup	...	Chinchpokli Marathi Upper Primary School.
(4) Shri Raja Maharaj Singh Cups (Two Cups)	...	(i) Imamwada Urdu School. (ii) Chinchpokli Marathi Upper Primary School.
(5) Shri Raja Maharaj Singh Shield	...	Parel Vocational Marathi Upper Primary School.
(6) Seth Dwarkadas Tribhuvandas Cup	...	Lord Harris Marathi School.
(7) Sir Boman Behram Cup	...	Lord Harris Marathi School.
(8) Shri K. B. Rele Cup	...	Chinchpokli Marathi School.
(9) Sir Byramji Jeejeebhoy Cup	...	Kamathipura Marathi School.

## APPENDIX No. 9.

## Average Cost per pupil.

	Average cost per pupil for the year.
<b>City:—</b>	
(a) According to the No. of pupils on rolls on 31st March 1954 (1,54,293)	... 73.8
According to the No. of pupils on rolls on 31st March 1955 (1,63,718)	... 72.1
(b) According to the average No. of pupils on roll for the whole year 1953-54 (1,55,882)	73.0
According to the average No. of pupils on roll for the whole year 1954-55 (1,64,463)	71.7
<b>Suburbs:—</b>	
(a) According to the No. of pupils on rolls on 31st March 1954 (27,634)	... 61.2
According to the No. of pupils on rolls on 31st March 1955 (33,144)	... 55.9
(b) According to the average No. of pupils on roll for the whole year 1953-54 (28,496)...	59.3
According to the average No. of pupils on roll for the whole year 1954-55 (32,969)...	56.2



# LABOUR DEPARTMENT

Smt. F. A. Iyahl, B.A. (Hons.), LL.B., D.S.S.A., held the post of the Labour Officer during the year under report.

2. **Labour Staff.**—During the year under report, the Corporation employed about 26,302 persons spread over about 8 main departments. The number of persons employed as labourers by each of these departments is as detailed:—

TABLE No. I

Department	No. of labourers
(1) Engineering	7,749
(2) Estate Agent and Land Manager	463
(3) Fire Brigade	403
(4) Health (Conservancy and Hospitals inclusive)	13,100
(5) Hydraulic Engineer (Water Works)	2,043
(6) Printing Press	225
(7) Superintendent of Gardens	510
(8) Superintendent of Markets (including Suburbs)	338
(9) Other departments	1,471
<b>Total</b>	<b>26,302</b>

There is a slight decrease in the number as compared with that of last year which was 29,015 and this is due to the implementation of the recommendations of Messrs. Ibcn Ltd.

4. **Trade Unions.**—Trade Union activities among the labour staff engaged in the services of the Corporation, were mostly confined to the Unions, whose names and other particulars as regards membership are shown as detailed below:—

TABLE No. II

Name of the Union	Category or department	Date of establishment	Membership as on 31-3-1953	Membership as on 31-3-1954
(1) The Bombay Municipal Kamgar Sangh.	Sweepers, etc., belonging to Mahar community.	1-4-1933	3,919	2,702
(2) The Municipal Workers' Union.	Includes all categories of labour staff belonging mostly to Water Works, Architect and Malaria department.	27-2-1935	2,161	3,570
(3) The Bombay Sweepers' Union.	Any worker who is connected with work of scavenging and cleansing of streets, drains and open spaces belonging to Public, Port Trust and Government.	30-7-1944	932	729
(4) The Bombay Municipal Subordinate Staff Union.	Any employee engaged in the Bombay Municipal Corporation in Subordinate service.	2-8-1946	1,058	1,061
(5) The Bombay Municipal Employees' Union.	Hospital employees of mostly class IV services.	8-5-1946	1,670	2,217
(6) The Bombay Fire Services Union.	Workers engaged in Fire Services.	24-4-1946	365	378
(7) The Municipal Peons' Union.	Persons belonging to the category of peons in the Bombay Municipal Corporation.	1945	562	572
(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	928	726
(9) The Bombay Municipal Health Visitors' Union.	Health Visitors.	18-1-1951	40	43
(10) The Bombay Municipal Kamgar Union.	Includes all categories of labour staff in the Bombay Municipal Corporation.	18-8-1951	857	894
	<b>Total</b>		<b>12,492</b>	<b>12,892</b>

The total membership of the unions was more or less the same as that of last year. During the year under report, three new unions, viz., (1) The Bombay Municipal Bagicha Kamgar Sangh, (2) The Bombay Municipal Employees' (Mechanical Engineering Section) Association and (3) the General Employees' Union, have requested for recognition, and the matter is under consideration.

5. **Labour relations.**—Labour relations during the year were congenial and there was no appreciable dislocation of work at any time.

6. **Joint Councils.**—With a view to promoting cordial relations between the staff and the administration, two new joint councils, one for the Hydraulic Engineer's department and one for the Printing Press, were established during the year under report, which brought the total number of the Joint Councils to 11 as under:—

(1) Water Works Department, (2) Subordinate Staff, (3) Fire Brigade Staff, (4) Peons, etc., staff, (5) Municipal Printing Press, (6) Health Department (excluding the Conservancy Branch and Hospitals), (7) K. E. M. Hospital, (8) Nair Hospital, (9) Sion Hospital, (10) Arthur Road Hospital and (11) G. T. B. Hospital. The scope of the work of these councils was elastic enough to allow discussion and recommendations on all matters pertaining to conditions of service.

**Individual Grievances.**—Grievances regarding recruitment, promotion, punishment, delay in payment of salaries, etc., were represented as usual, either directly by the employees or through the unions, and they were dealt with either through departmental correspondence or through personal discussion with the departmental heads. This procedure gave opportunities to the Labour Officer to come into direct contact with the employees and lead to a better understanding and resulted in harmonious relations with the labour. The following table gives an idea of the number and the nature of grievances received and dealt with by the Labour Officer:—

TABLE No. III

Nature of cases	Total	Grievances redressed	Not genuine cases	Pending cases
(1) No chances for employment or very irregular employment though recruited, applications for preferential treatment and applications for recruitment ...	337	131	188	18
(2) Applications for promotion, transfer, confirmation and for grant of annual increments ...	171	44	110	17
(3) Applications against fine, reversion, suspension, dismissal and any other punishment ...	88	18	67	3
(4) Delay in payment of salary (including salary for injury and maternity) or allowances ...	99	75	9	15
(5) Delay in settlement of Provident Fund and other retirement benefits ...	91	70	...	21
(6) Non-supply of equipment and uniform ...	14	12	2	...
(7) Delay in granting leave due ...	22	16	6	...
(8) Applications for house rent or accommodation or transfer of present quarters ...	256	119	112	25
(9) Miscellaneous ...	695	526	112	57
Total ...	1,773	1,011	606	156

8. **Scheme for granting scholarships to the children of Municipal employees.**—During the year, 159 applications were received and scholarships were awarded to 103 children of the employees (22 for secondary education and 81 for higher education) as against 86 during the year 1953-54. The total amount given by way of scholarships to the children of Municipal employees is about Rs. 12,000.

9. **Scheme for granting medical assistance to the Municipal employees.**—During the year under report, 199 employees applied for benefit under the scheme of whom 177 employees were given relief amounting to Rs. 8,200. The Labour Officer made arrangements to get the applicants admitted wherever necessary in different Municipal hospitals for treatment.

10. **Welfare organization.**—The welfare activities were conducted for Municipal employees and their families at 22 labour welfare centres and 2 sub-centres. This year two new centres were added one at Tarwadi and the other at Suklaji Street. Out of these centres 15 were run for the benefit of the employees of the Conservancy Branch, 6 for Hospital employees, 2 for Water Works employees and one for the employees of Mechanical Engineer's department.

The welfare activities carried out at the above centres consisted of the following.

**Recreational and cultural activities.**—Indoor as well as outdoor games were played at the centres. Indoor games included Carrom, Ludos, Snakes and Ladders, Chaupats, Draughts, Table-tennis, etc. With a view to creating 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, Larg'di, 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, Trapez Bar, weight-lifting apparatus, Maikhamb, 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 co-operation and friendliness were played daily on the field before dark. The average daily attendance of adults and children at different centres during the year at the various centres was 1,282 and 1,427 respectively as against 700 and 1,200 during the preceding year.

**Educational activities.**—In order to create interest in the workers in educational activities, the literacy classes were conducted for men and women at some of the centres. School-going children were given guidance in different school subjects. The workers also evinced keen interest in elocution and in debates where the subjects pertaining to their every day life problems were discussed.

To keep the workers in touch with the 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. The 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 them current topics and daily news.

**Hygienic activities.**—To inculcate 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 disinfectant 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 labourers who showed their interest and appreciation by turning up in great numbers at these shows.

*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.

Ganpati and Navratri festivals were celebrated at the various centres and variety entertainment were organized. Prizes were distributed to the regular participants.

Haldi-kum-kum and Diwali functions were also organized at some centre. These functions were presided over by Municipal Councillors and the Heads of the Departments.

The important celebration at the centres was the "Republic Day". It was celebrated with enthusiasm at the Bharatiya Vidya Bhavan and was presided over by Shri P. R. Nayak, Municipal Commissioner. The function was well attended by the Municipal employees of different welfare centres belonging to different departments. The variety entertainment items were presented by the employees and their children.

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 activities.*—In some of the centres, workers presented dramas which were organized, directed and staged by themselves.

*Participation in local tournaments.*—The artists and player of our centres also entered in local tournaments and competitions and received prizes of merits.

(i) The artists of the Arthur Road (Stables) centre participated in Ras and Garba competition organized by the Indian National Theatres. They won four trophies for the best organization in Ras, for the poet who composed the song for Ras, for leader of the song in Garba and for the leader of the song in Ras.

(ii) Dadar, K. E. M. (Hospital) and Cochin Street centres participated in the Foot-Ball tournament run by the Y. M. C. A. conjointly with the Bombay Municipal Corporation.

(iii) The K. E. M. (Hospital), Dadar, Umarkhady and Arthur Road Stables centres participated in Volley-Ball tournaments run by the Matunga Athletic Club and the Y. M. C. A.

*Picnics.*—Picnics for 1,370 children of the 24 welfare centres were organized at Elephanta Caves, Novah Island, Bassein Fort and Madh Island. 168 women employees went for 3 days' excursion to Nasik, Pandharpur, Shirdi and Poona.

*Scouting.*—The organization had 376 Rovers, 334 Scouts, 287 Cubs, 114 Scouters, 20 Guides, 204 Bulbuls and 27 Guiders as against 256, 239, 218, 64, 42, 234, and 20 in the preceding year.

They performed the following out-standing works:—

(i) The scouts and rovers and guides participated and performed traffic duties and maintained law and order in the processions of Prohibition Week, Blind Week, Health and Clearliness Week, Scout and Guides Week, Social Education Week, Narali Poonima and Ganpati Festival, the Republic Day Celebrations in the city and the opening ceremony of the Scout and Guide Pavilion at Shivaji Park and Scouters Conference at New Era High School.

(ii) The scouts and guides took active part in the collection drive by Bihar Flood Relief Committee and made a handsome contribution to the fund.

(iii) The scouts and guides participated in Scouts and Guides Week organized by Bharat Scouts and Guides. They collected Rs. 500 by way of Khari Kamai, i.e., Real Income and donated their blood to the Red Cross Society.

(iv) Eight Rover Scouts were deputed by the Corporation for the Kashmir Tour organized by the Bombay State Bharat Scouts and Guides.

(v) An inter-troop camp was organized at Aarey Colony in which our scouts participated.

(vi) A training camp for scoutmasters and another for rovers was organized at the K. E. M. (Hospital) Welfare Centre and at Bhyram Baugh Jogeshwari respectively, in which the scouts and rovers from various centres participated.

*Women's activities.*—Sewing classes for women and girls were conducted at the centres. Knitting, embroidery, handicraft work and fancy work were taught. Women were also encouraged to get their own and their children's clothes stitched and mended on the machines provided at the centres. The average daily attendance of women and girls at the 24 centres was 455 and 612 respectively.

The women also participated in other activities and programmes of 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. There were 2,313 cases of ante-natal clinic, 320 post-natal clinic, 110 confinement, 11 confinement at home, and 1,963 cases of minor ailments.

11. *Miscellaneous.* (a) *Investigation of offence cases of the Fire Brigade and hospital employees*—The Labour Officer attended the hearings of cases of employees' misbehaviour, negligence of duty, etc., at the Fire Brigade Headquarters and K. E. M. Nair, Sion, Arthur Road and G. T. B Hospitals.

(b) *Legal aid and heirship certificates.*—Considerable number of minor dependents of Municipal employees found very difficult to get the Provident Fund and other dues since such payments could only be made on production of heirship and guardianship certificates by the parties concerned. The Labour Officer with the co-operation of the Bombay Legal Aid Society, helped them to get such certificates from the court. Similarly dependents of the deceased employees were helped in getting death and heirship certificates signed by a Justice of Peace.

(c) At the request of the Bombay City Prohibition Committee, the Labour Officer worked on the said committee as one of its members.

(d) The Labour Officer had attended the short training course for officers in connection with the Employees State Insurance Scheme sponsored by the Government from 29th July 1954 to 31st July 1954.

F. A. IRANI,  
Labour Officer.

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# SUMMARY OF STATISTICS

FOR THE YEAR 1954

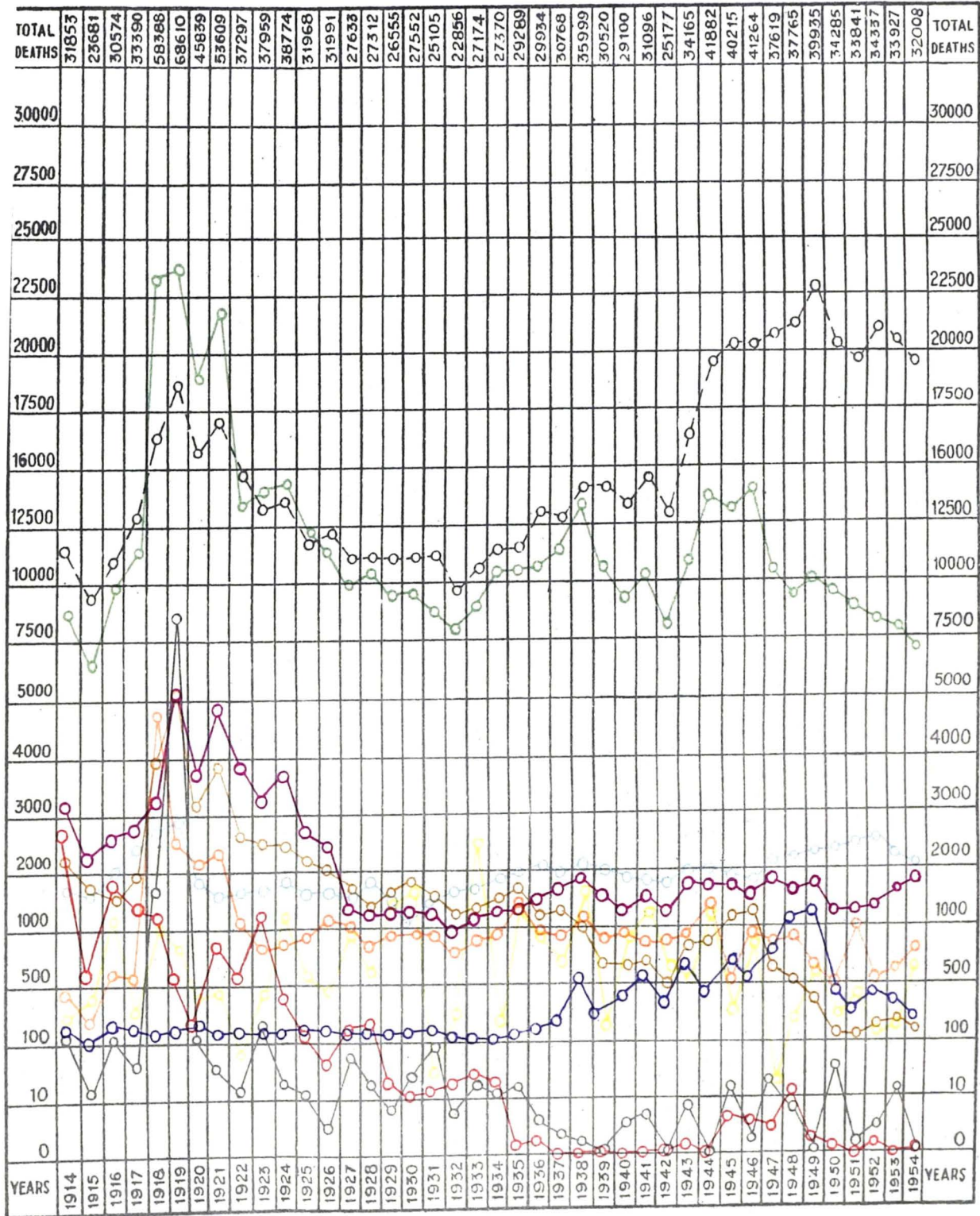
1	Area of Bombay city and Island	...	...	...	...	26.189 Sq. miles (16751.42 acres)
2	Density of population per acre	...	...	...	...	139
3	Population	{ Census of 1951	...	...	...	23,29,020
		{ Mid year estimated	...	...	...	26,09,000
4	Total live births registered	...	...	...	...	63,072
5	Birth rate per 1,000 population	{ Census 1951	...	...	...	27.1
		{ Mid year estimated	...	...	...	24.2
6	Total deaths	...	...	...	...	32,008
7	Death rate per 1,000 population	{ Census 1951	...	...	...	13.7
		{ Mid year estimated	...	...	...	12.3
8	Total deaths among infants (under 1 year)	...	...	...	...	8,534
9	Infant deaths per 1,000 live births	...	...	...	...	135.3
10	Maternal deaths	...	...	...	...	68
11	Maternal death rate per 1,000 births (including still births)	...	...	...	...	1.0
12	Maternal death rate per 1,000 live births	...	...	...	...	1.1
13	Still Births	...	...	...	...	2,963
14	Plague—deaths	...	...	...	...	Nil
15	Cholera—deaths	...	...	...	...	Nil
16	Small pox	(a) deaths	...	...	...	623
		(b) death rate	...	...	...	0.3
17	Influenza	(a) deaths	...	...	...	4
		(b) death rate	...	...	...	0.0
18	Tuberculosis—	(a) deaths	...	...	...	2,184
		(b) death rate	...	...	...	0.9



*The new Electric Crematorium at Chandanwadi, first of its kind in India, affording such amenities as a reception room, rest rooms, a hall for performing religious rites and separate bath rooms for men and women.*

# DIAGRAM "A"

## ANNUAL TOTAL DEATHS FROM DIFFERENT CAUSES IN BOMBAY CITY 1914-1954



- SMALLPOX
- PLAGUE
- TYPHOID
- RESPIRATORY DISEASES
- AGUE & REMITTENT FEVERS
- CHOLERA
- TUBERCULOSIS
- OTHER INFECTIOUS DISEASES
- DIARRHOEA ENTERITIS & DYSENTERY
- OTHER NON-INFECTIOUS DISEASES

# ANNUAL REPORT OF THE EXECUTIVE HEALTH OFFICER FOR THE YEAR 1954.

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 features—

(i) *An epidemic of smallpox* was declared in the middle of March 1954. Anti-small-pox measures such as mass-vaccinations with propaganda vans, combing operations in the affected localities to detect and remove fresh cases to the City Fever Hospital for isolation and treatment, as well as disinfection, publicity, etc., helped to combat the disease, which caused 1816 attacks (including 60 imported) and 623 deaths. An additional staff was appointed in the Vaccination Branch. The other sanitary and school medical inspectorial staff was also pooled for the vaccination work. Arrangements for doing vaccination were made at all the municipal general hospitals, dispensaries, maternity homes and clinics, and at the Haffkine Institute, Parel. Two vaccinators were posted at the City Fever Hospital, Arthur Road. Whenever the ambulance went out to pick up smallpox cases, these vaccinators went in it to perform contact vaccination on the spot. Vaccine lymph was supplied free of charge to the medical practitioners for doing vaccinations free of charge. A total of 72,941 primary and 16,05,135 revaccinations were carried out during the year. The disease was declared "sporadic" in the first week of May, 1955.

In all 298 primary and 10,939 re-vaccinations were done under the "Pilot Scheme", which was introduced in April 1954. The Vaccinators under this scheme went from door to door to carry out vaccinations with the assistance of labourers who were supplied with handy kits.

(ii) *The incidence of poliomyelitis* was on increase during the monsoon season. 207 cases were notified (including 41 imported). 37 cases proved fatal. The incidence was much lower as compared with that in the year 1949, when 389 attacks were reported, of which 65 proved fatal.

All the preventive measures including disinfection, D.D. T. treatment as an anti-fly measure, increasing the dosage of chlorine in the water supply and in the swimming pools, etc., were carried out.

(2) **Population**—The census enumeration of 1951 placed the population figure of the city at 23,29,020 (table 1), which was taken as the basis for rates for vital statistics in this report. The mid-year estimated population of the city was 26,09,000.

(3) **Density of population**.—The area of the city is 26.189 sq. miles (16,751.42 acres) with the density of the population at 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 was 137.08 as against 93.57 in 1953 and 63.33 in 1952. It was above normal by 65.87 inches. Rain fell on 108 days as against 103 in 1953 and 97 days in 1952. The highest monthly rain fall was 51.56 inches in July as against 39.99 inches in July 1953.

(6) **Births and deaths**.—63,072 live births and 32,008 deaths were registered as against 62,726 live births and 33,927 deaths in the previous year. The rates of births and deaths per 1,000 of the census population were 27.1 and 13.7 respectively and 24.2 and 12.3 respectively per 1,000 of the mid-year estimated population.

## PUBLIC HEALTH ADMINISTRATION.

(1) (i) **Conservancy** included the work of cleansing streets, gullies, footpaths, etc. The conservancy branch was in the charge of the Head Supervisor. Veterinary section supervised the municipal bullock hospital and the segregation sheds at Tardeo Flats. There were 3 veterinary assistants in charge of the eleven health department stables.

(ii) **General sanitation**.—This included inspection and supervision of premises and steps were taken to remedy sanitary defects detected thereat and provide sanitary conveniences, wherever necessary and exercise sanitary control over factories, other licensable trades, etc.

For sanitary administration, the city has been divided into 7 wards A to G, under five Assistant Health Officers, further sub-divided into 51 sections, each in charge of a Medical Assistant or a Sanitary Inspector. The 51 sections are so grouped as to form 18 sanitary districts each in the charge of a Medical Inspector of whom 10 attend to the registration work of births and deaths at ten districts in addition to their other duties.

(2) **Food Sanitation**.—This included control over adulteration of food, supervision over the food exposed for sale by food-handling establishments, destruction of unwholesome food, etc.

For the control of milk and other foodstuffs 3 sanitary inspectors and 10 milk sub-inspectors were detailed. The work of sampling of milk and other foodstuffs was carried out by this staff. A special mobile squad took samples of food-stuffs and destroyed unwholesome foodstuffs detected during surprise visits to the establishments all over the city daily. With the establishment of this squad the detection of adulteration increased to about 55% as compared with 28% in the previous year.

(3) **Registration of vital statistics**.—This comprised the registration of births and deaths occurring in the city, maintaining records of vital statistics affecting the health of the city, and also regulation of places for the disposal of the dead bodies and providing new places for the said purposes, etc.

(4) **Control of communicable diseases**.—This covered measures taken 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.

**Cases of Infectious Diseases** (except tuberculosis and leprosy) were treated at the municipal Infectious Diseases Hospital at Arthur Road which is under a Medical Superintendent. The staff was supplemented from time to time temporarily to cope with the increase in the number of patients. The Honorary staff rendered very valuable service whenever needed.

Cases of tuberculosis were treated at the Municipal Group of Hospitals for Tuberculosis at Sewri which is in charge of a Medical Superintendent. Admissions to these hospitals were regulated through the out-patient clinic at Princess Street. Out-patients were also treated at the clinics at Foras Road and Lallaug.

Venereal disease cases were treated at the special clinic at Bellasis Road, which is under a Medical Officer. The non-infectious types of leprosy cases were treated at the municipal general dispensaries but other cases were directed to the clinic at the Acworth Leprosy Home. This activity was carried out by the Board of Management of the Acworth Leprosy Home, Matunga. A leprosy diagnostic and treatment centre was started at the Worli dispensary.

**The anti-malaria and insecticidal services** were carried out by the Insecticide Officer.

Measures regarding the preventive vaccination against small-pox were carried out, under direction of the Superintendent of Vaccination.

(5) **Maternity 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. The medical officers attended the clinics attached to their respective Homes and 10 subsidiary clinics. The maternity unit at Dharavi was in charge of two trained health visitors under the guidance of one of the medical officers. Instructions and advice in spacing of births were given at 17 family planning clinics. A Supervising Medical Officer (Maternity) supervised these activities.

**School health work** included medical inspection of municipal school children as well as correction of defects noticed in such inspections.

Children with physical defects or ailments were sent for treatment to dispensaries and institutions including the Bai Yamunabai L. Nair Charitable Hospital, Lamington Road and to the special school clinic at the King Edward Memorial Hospital, Parel.

(6) **Municipal Laboratory.**—The analysis of samples of food, municipal water supply and of clinical specimens was carried out in the municipal laboratory in charge of the Municipal Analyst.

(7) **General medical relief** was administered through 24 free dispensaries (two Ayurvedic) under 26 medical assistants, one mobile dispensary unit, 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.

(9) **Health education** was carried out by the publicity section in charge of the Propaganda Officer through all modern publicity media.

#### (1) (i) CONSERVANCY.

**Refuse collection, removal and disposal.**—Roads, footpaths and house gullies were swept twice daily. Some of the main roads were attended to more frequently. The house gullies were periodically flushed. Roads were brushed, scraped and washed. Refuse collected was removed in travelling carts or lorries to the places of disposal at least twice daily. Refuse taken to the Mahalaxmi Refuse Sidings was transported to Deonar daily in special refuse trains. Domestic refuse was collected in galvanised sanitary bins with proper covers by the owners as required by the rules and was deposited into the travelling carts or lorries or dumped in the nearest dust-bin sheds. In all 2,107 actions under Section 358 of the Bombay Municipal Corporation Act were taken during the year, of which 537 remained pending. Refuse was deposited in the two refuse collection yards, one at Palton Road and the other at Prabhadevi Road, and then removed to the Mahalaxmi Refuse Sidings in refuse lorries. Dry refuse was sent for filling in low-lying lands at Hornby Vellard, Haines Road, Matunga railway lines and Dharavi (*vide* tables 4, 5, 6, 7 and 8).

**Transport.**—The Transport fleet consisted of 30 Moto-Carts, 154 Scammell Trailers, 16 Mechanical Horses, 22 Fergusson Tractor-Trailer combinations, 18 Moving floor lorries, and 13 Bantam Karriers. About 100 bullock carts were still plying for removing refuse in a few parts of the city. As this fleet was not sufficient to cope with the daily output of refuse, extra vehicles from the Bombay State Road Transport Corporation had to be requisitioned for the removal of refuse.

The municipal motor vehicles worked in two shifts from 6-30 A.M. to 2-30 P.M. and 2 P.M. to 10 P.M. On an average, 2,200 tons of refuse was daily collected and removed.

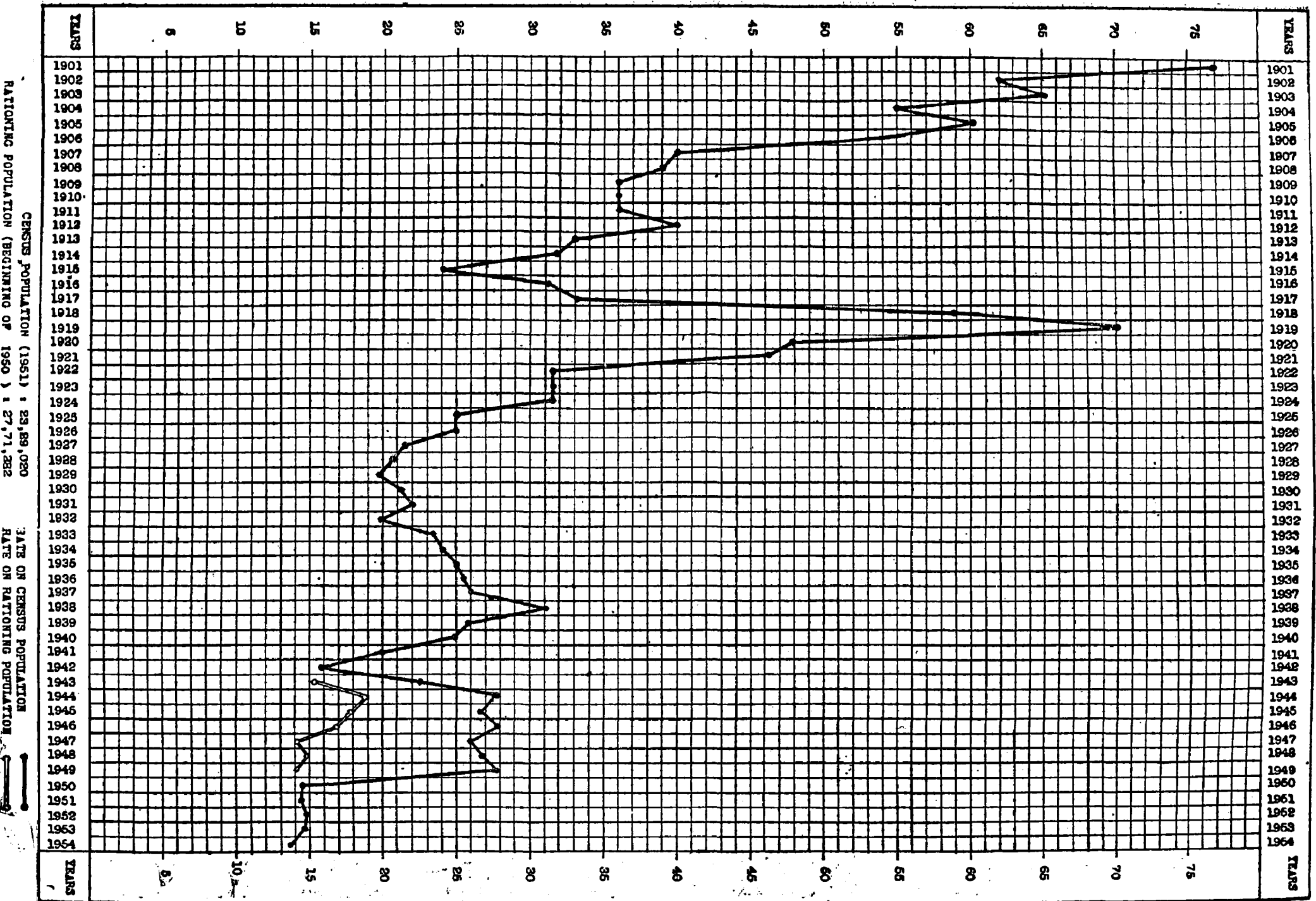
Scammell Trailers replaced many dust-bin shed, which were an eye-sore in many parts of the city. 59 sheds still remained to be replaced.

**Collection removal and disposal of night-soil.**—Basket-drivies, cesspools and septic tanks were attended to by the halalkhore staff. Night-soil from the privies and vacant places was removed regularly. 19 cesspool carts and 4 cesspool lorries were detailed to cope with the work of basket drivies and cesspools. (*See* tables 9 and 10). Public sanitary conveniences provided at different suitable places, including latrines, urinals and bathing places were also attended to. (*vide* table 11).

**Rat destruction work** was intensified. Rats, caught in different wards, were sent to the Haffkine Institute for examination, (*See* table 12).

**Dog licensing, dog destruction and immunization work.**—With a view to minimizing the number of stray dogs and reducing the incidence of hydrophobia and rabies, the work of licensing dogs, destroying of stray dogs and immunization of dogs was carried out. (*vide* tables 13, 14 and 15).

**DIAGRAM B**  
**ANNUAL DEATH RATE IN BOMBAY CITY**  
**(1901-1954)**

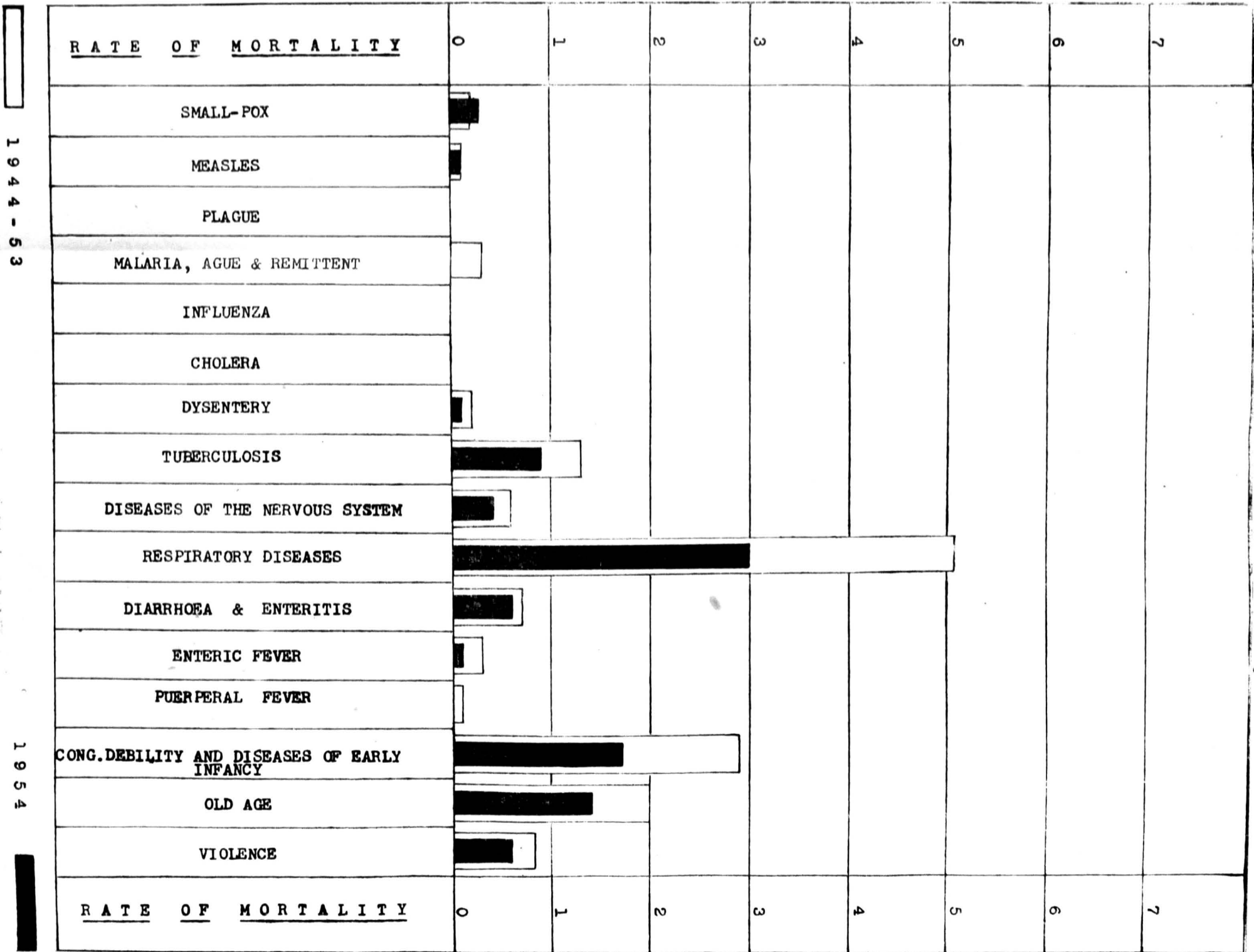


CENSUS POPULATION (1951) : 23,89,020  
 RATIONING POPULATION (BEGINNING OF 1950) : 27,71,282

— RATE ON CENSUS POPULATION  
 — RATE ON RATIONING POPULATION



**DIAGRAM C**  
 DEATH RATE PER 1000 POPULATION FROM PRINCIPAL CAUSES IN  
 BOMBAY CITY IN 1954 AND THE DECENNIAL AVERAGE 1944-53



1944-53

1954

Anti-rabic treatment was available at the Haffkine Institute, K. E. M. Hospital and other Government Hospitals. 13,262 dog-bite cases were treated at the Haffkine Institute and at other Hospitals, and 25 deaths were registered due to hyarophobia.

**Catching and impounding stray cattle.**—This work was entirely carried out by the Police, and animals found tethered on the public streets and footpaths were removed to the Cattle Pounds.

**Removal and disposal of dead animals.**—Dead animals from the city were removed to Deonar. The contract for skinning for the year 1954-55 was given out for Rs. 5,501. 575 big animals and 1,754 small animals were removed to the Mahalaxmi Sidings from which Rs. 4,574 were realised.

**Infectious diseases ambulance service and service for the removal of dead bodies.**—6 Ambulances were maintained for removing local patients suffering from infectious diseases to the Arthur Road Hospital free of charge. 3 Hearses and 1 Dead Body Van were available for removal of dead bodies to cemeteries or homes on payment of scheduled charges, exceptions being made in few deserving cases and Christian paupers. These services were extended beyond the city limits on payment of scheduled charges, (*Vide* table 16).

**Prevention of nuisances.**—Actions were taken to eradicate nuisance caused by throwing of refuse in the streets, gullies and public places, by fouling of the public roads by urinating and defaecating and by chokes in gully traps. (*Vide* table 17).

**Veterinary services.**—The veterinary section of this branch was in charge of all the municipal bullock stables and two hospitals—one for municipal bullocks at Kamathipura and other for infectious diseases of animals at Mahalaxmi Sidings. Animals from private owners were also admitted in these hospitals on payment of fixed fees, (*vide* table 18).

Private stables were visited for detecting infection of rinderpest.

Milch cattle arriving in the city were immunized against rinderpest. The total number of animals immunized was 24,379 (21,740 at Grant Road railway station and 2,639 in stables in the city). 60 cases of rinderpest were detected during the year.

**Conservancy and special halalkhore services** were rendered to circuses, exhibitions, amusement parks, big concerns, industrial establishments, etc., on payment of scheduled charges, (*Vide* table 19).

**Sweepers' chawls.**—Appreciable progress was made in the policy of housing the conservancy labour staff in the newly constructed two-room tenements at Haines Road, Chinchpokli, Colaba, Bapty Road, Haystack Road, Tardeo and amenities such as welfare centres, etc. were provided.

**Co-operative credit societies for the labour staff.**—(*Vide* table 20 for details).

### (1) (ii) GENERAL SANITATION.

**Sanitary conditions of the city** was on the whole satisfactory throughout the year. Insanitation where detected, was inter alia due to insufficiency of sewers and continuance of the basket privy system, high density of houses and persons per acre, and practical difficulties as absence of proper access, etc., in the way of rendering adequate conservancy services, both as regards the removal and disposal of refuse and also shortage of water supply. About 899 basket privies still remained to be converted into the full flushing system which was kept pending due to the impending town planning schemes.

**Water supply.**—The supply to the city was chlorinated. Apart from occasional complaints from individuals as regards unwholesome water supply at certain points of the distribution systems, there was no cause for complaint or apprehension as regards the safety of the water supplied to the population.

**Drainage.**—The Mahim area in North Bombay was covered by three town planning schemes, and sewers were already laid in a major portion of the area in the North of Bombay.

**Sanitary control of dwellings.**—The routine inspection of dwellings presenting or likely to present sanitary defects was made by the sanitary inspectors, medical assistants and medical inspectors under the general supervision of the assistant health officers. During the year, 246 insanitary huts were demolished.

**Sanitary inspection.**—Details are given in table 21.

**Slum areas** received special attention as far as sanitary measures were concerned.

**Milch cattle stables.**—2,372 milch cattle in 12 stables in E, F and G wards were yet to be removed to the Government milk colony at Aarey.

## 2. FOOD SANITATION.

(i) A statement regarding the work of inspection of milk is given in table 22.

(ii) For details regarding the destruction of unwholesome food, table 23 may be referred to.

(iii) Statements regarding statutory notices and court cases are given in tables 24 and 25 respectively.

## 3. VITAL STATISTICS.

(a) **Birth and birth rate.**—The live births registered during the year were 63,072 which were 346 more than in 1953 and 4,850 above the average of the decennium (1944-53). Of the registered births 32,264 were male and 30,808 female, giving a proportion of 105 males to 100 females. The birth rate was 27.1 per 1,000, of population. Details are given in tables 26, 27 and 28.

The number of still births reported was 2,963 or 4.8 per cent. of live births.

(b) **Deaths and death rate.**—The total number of deaths registered from all causes was 32,008 as against 33,927 in 1953, being 5,499 below the annual average mortality of the preceding 10 years and 3,257 less than the mean mortality of the preceding 5 years.

The death rate per 1,000 of the population was 13.7. 26.7 per cent. of the total deaths were among infants below 12 months. Out of these 46.9 per cent. were recorded as due to congenital debility or premature births or malformation, etc.

The annual number of total deaths from different causes in the city since 1914 is plotted in graph A facing page 1. For death rates, *vide* diagram B facing page 2.

(c) **Mortality by sex and age.**—Of the 32,008 deaths, 18,063 were among males and 13,945 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 that among males. The male death rate was 12.2 and the female 16.4 as against 12.9 and 17.5 respectively in 1953. Details are given in tables 29, 30 and 31.

(d) **Principal causes of deaths** are given in table 32.

It will be seen from the diagram C facing page 3 that diseases of the respiratory system claimed the highest number of deaths as in the past, with a death rate of 3 per 1,000 of population. A large proportion of deaths from respiratory diseases occurred among the 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 1.7. The causes coming next on the list for the year were old age (1.4) and tuberculosis (0.9).

(e) **Ascertainment of causes of deaths** are given in tables 33 and 34.

(f) **Mortality by months** are given in table 35.

(g) **Details of mortality by sections, etc.,** are given in tables 36, 37 and 38.

(h) **Copies of birth and death registry issued.**—During the year, 7,536 copies of registry of births and 8808 copies of deaths were issued. The total fees received for copies of certificates for searches of birth and death registers for various periods and for producing records in courts of law amounted to Rs. 32,053-3-0 as against Rs. 32,355-0-0 in 1953.

(i) **Infant mortality.**—Deaths among infants under one year of age numbered 8,534 which was 466 less than in the preceding year and 1,169 less than the annual average of the previous decennium. The infant mortality rate for the year was 135.3 per thousand of live births as against 143.5 in 1953.

of the 8,534 infant deaths, 6,421 or 75.2 per cent. were among the infants born in the city and 2,113 or 24.8 per cent. were among those born outside the city (*vide* table 39). The births of these 2,113 infants were naturally not registered in the city birth registers. Excluding these 2,113 deaths of these infants from the number of infants who died in the city during the year, the infant mortality rate would be 101.8. 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 not be much above 101.8, *i.e.*, 33.5 less than the recorded rate of 135.3.

Diagram D facing page 4 shows the trend of infant mortality rate in this city during the last 74 years.

**Causes of infant deaths.**—It will be seen from table 40 that 6,554 or nearly 76.8 per cent. of the total infant deaths were due collectively to diseases of the respiratory system, infantile debility and premature births, as against 7,119 deaths or 79.1 per cent. in 1953. Diarrhoea and enteritis caused 659 deaths, acute and remittent fever and fever not defined 69 deaths and convulsions caused 122 deaths. Deaths from small-pox and measles numbered 160 and 59 respectively, white poliomyelitis caused 8 deaths.

**Quinquennial averages.**—Compared with the annual average of the preceding five years, the total deaths among infants in 1954 was 944 less. An increase was, however, recorded under Small-pox (116), Diarrhoea and Enteritis (106), Measles (23), and Poliomyelitis (1).

**Age of deaths.**—*Vide* tables 41 and 42. The infant deaths in the first week of life were 2,571 or 30.1 per cent. and in the age period 1 to 4 weeks, 1,382 or 16.2 per cent. of the total. Thus 3,953 infant deaths or 46.3 per cent. of the total number occurred in the first month of life. In the next two age-groups, *viz.* 4 weeks to 6 months and 6 to 12 months, the infant deaths numbered 2,241 and 2,340 respectively, constituting 26.3 per cent. and 27.4 per cent. of the entire infant mortality. For neo-natal death-rates see table 43.

**Infant mortality by months.**—See tables 44, 45 and 46.

(j) **Maternal mortality rates.**—This rate was 1.1 as against 1.3 in 1953.

Deaths in puerperal state by causes are given in table 47.

#### 4. CONTROL OF COMMUNICABLE DISEASES.

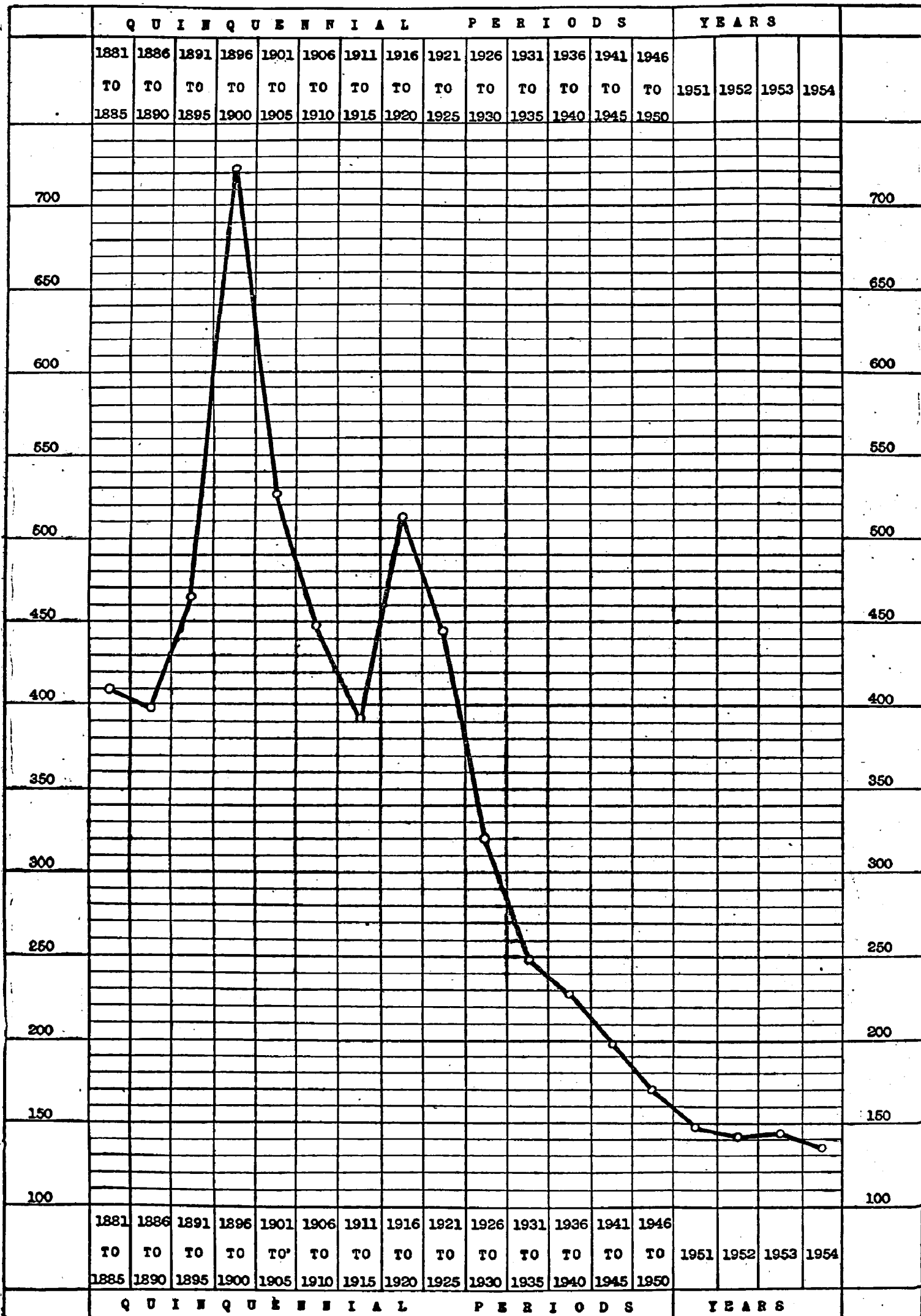
(a) **Notification.**—The total of notifications of infectious diseases received during the year was 14,549 as against 5,401 in 1953, (*vide* table 48). Of these, 14,468 (99.4%) were from the District Registrars and 81 (0.6%) from the medical practitioners.

(b) **Plague** was absent during the year.

**Anti-Plague measures—(i) Preventive inoculation.**—During the year, 87 persons were inoculated against plague, of whom 86 were inoculated at the Haffkine Institute, Parel.

# DIAGRAM D

## DEATHS IN INFANTS PER 1000 BIRTHS IN BOMBAY CITY (1881-1954)

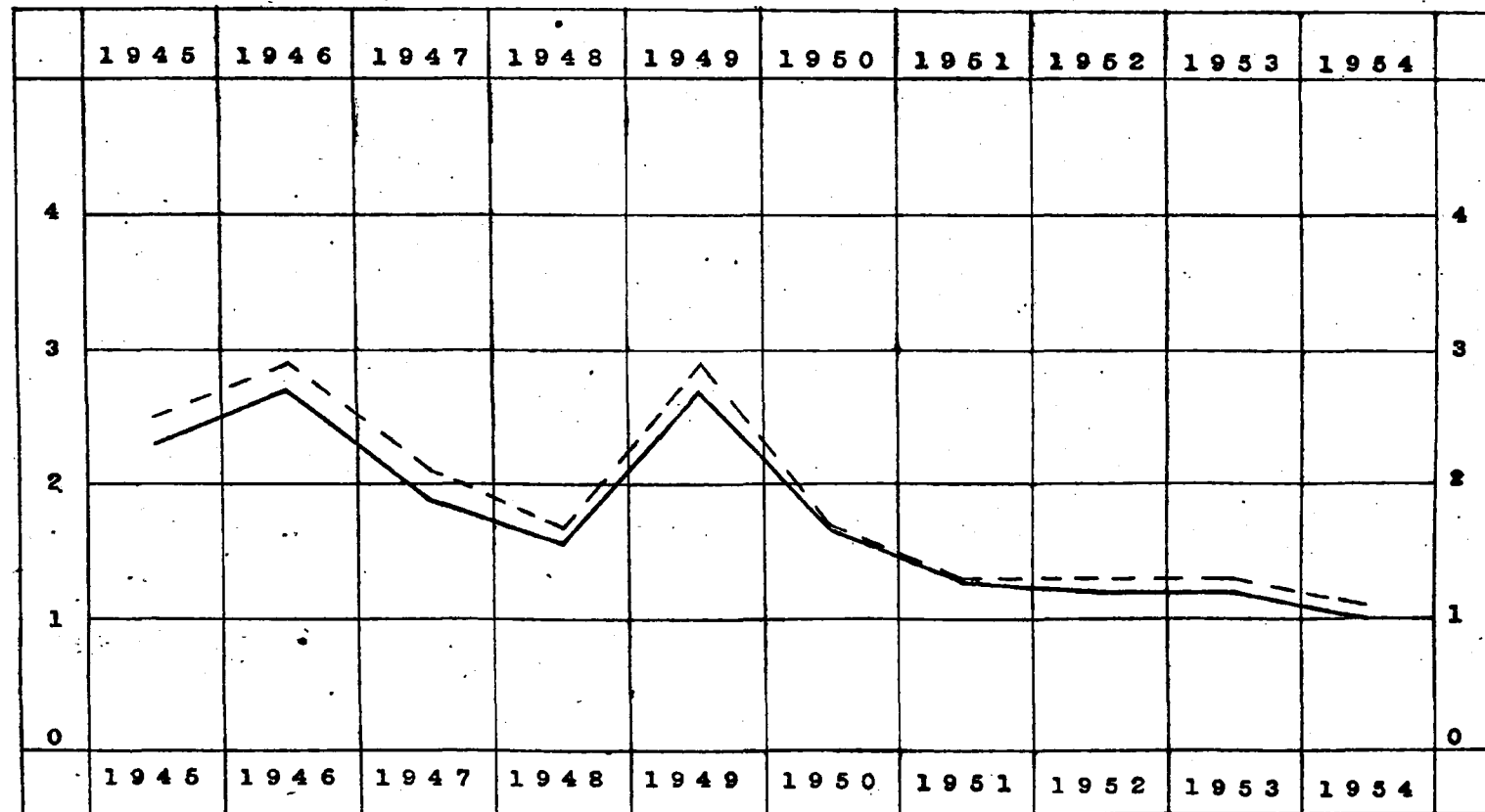


# DIAGRAM E

## RATE OF MATERNAL DEATHS PER 1000 OF BIRTHS (BOMBAY CITY)

RATE ON LIVE BIRTHS: -----  
RATE ON BIRTHS }  
INCLUDING STILL BIRTHS :- } -----

( 1945 — 1954 )



MATERNAL DEATHS:	133	154	106	91	171	106	89	88	82	67
BIRTHS:	53170	53469	50833	54629	58081	60597	65679	66125	62726	63072
RATE:	2.3	2.7	1.9	1.6	2.7	1.7	1.3	1.2	1.2	1.0
RATE:	2.5	2.9	2.1	1.7	2.9	1.7	1.3	1.3	1.3	1.1

(ii) **Rat destruction.**—The total number of rats caught and destroyed in Greater Bombay during the year was 9,39,386 (including 23,2,019 *Rattus Rattus* and 3,56,428 *Gunnomys Kok*) as against 10,27,848 in 1953. No rat was found plague-infected, *vide* table 49.

**Susceptibility of rats to plague.**—The Haffkine Institute reported that the susceptibility of rats to plague was as below :—

*R. Rattus* (House rats) :—12.1 per cent. susceptible.

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 the appropriate places in this report.

(c) **Smallpox** caused 1,816 attacks (including 60 imported) and 623 deaths (*vide* table 50). Details of anti-smallpox measures are given at page 1 in para. (1) under outstanding features.

160 deaths from smallpox occurred among children under one year of age, of whom 117 were unvaccinated, the remaining 43 cases seemed to have contracted the disease before they could attain immunity against the disease.

(d) **Cholera** caused 1 attack, which recovered.

(e) **Influenza** was recorded as the cause of 4 deaths, as against 8 in 1953 and the annual average 12 for the preceding decennium.

(f) **Enteric Fever.**—The number of notified cases, *viz.*, 2,215 (including 122 imported) was 479 more than that in 1953. The total number of deaths was 232 as against 323 in 1953. The case mortality rate was 10.5%, *vide* tables 51, 52 and 53. 2,23,903 persons were inoculated with T.A.B. Vaccine. Other preventive measures including D.D.T. treatment as an anti-fly measure destruction of unwholesome foodstuffs, propaganda, etc., were carried out as usual.

(g) **Acute anterior poliomyelitis** caused 207 cases (41 imported) and 37 deaths.

(h) **Diphtheria.**—2,333 cases were notified (*vide* table 54). Of these 166 were imported. 140 cases proved fatal.

(i) **Cerebro-spinal meningitis.**—6 cases were reported. 4 proved fatal. During 1953, 7 cases were reported all of whom died

(j) **Tuberculosis** took a toll of 2,184 lives and the death rate of tuberculosis was 0.9 per 1,000 of population *vide* tables 55 and 56.

The sputum examination of specimens sent by the medical practitioners was undertaken free of charge at the Municipal laboratory.

The number of beds at the municipal Group of Hospitals for Tuberculosis at Sewri has been increased to 348 from 299.

The question of expansion of the municipal anti-tuberculosis activities is already engaging the attention of the Corporation which has recently approved the proposal to establish a tuberculosis hospital at the municipal stables at Dedar.

#### (k) **Venereal Disease.**

*The Anti-Venereal Clinic, 254, Bellasis Road.*

Modern measures in prophylaxis, diagnosis, treatment and control of venereal disease were resorted to at the clinic.

The following methods were adopted to achieve this purpose :—

(1) **Prevention of Exposure to Infection.**—The public were given instructions how to prevent exposure to infection by the Health Publicity Section and by the Medical Officers and nurse of the clinic both at the clinic and in the different parts of the city. Educative pictures were exhibited in a room which was specially set apart for this purpose at this clinic.

(2) **Personal Prophylaxis.**—There are eight municipal free prophylactic centres in the city (including the one at the main clinic) for this purpose in different parts of the city. The centre at Bellasis Road was kept open day and night and the others from 6-30 P.M. to 2-30 P.M. every day. The attendance of patients at each centre during the year is given in Table 57.

(3) **Diagnosis.**—There is a well-equipped laboratory where confirmation of diagnosis of all suspected V. D. patients was done in addition to clinical diagnosis.

Some private medical practitioners also sent materials of suspected V. D. patients. These were examined free of charge to help them in arriving at the correct diagnosis and confidential reports of the results of the tests were also sent to them. The account of the work done at the laboratory during the year is given in Table 58.

(4) **Treatment.**—The patients were treated with modern methods. Male and female patients were examined in different wings with separate accesses, maintaining absolute secrecy. Penicillin was given to deserving cases. Results of treatment were assessed from time to time by the latest laboratory methods.

Physio-therapy, *e.g.*, Short-wave Diathermy, Infra-Red and Ultra-Violet irradiation etc., was done whenever required.

(5) **Follow up Work.**—The clinic nurse paid 3,009 domiciliary visits and induced suspected cases contacts to attend the clinic for investigation and advised lapsed cases to continue treatment.

(6) **Training in Venereal Disease to Medical Men.**—Medical persons desirous of learning the methods of diagnosis, treatment etc., of venereal disease were given necessary training at the clinic.

The Medical Officers in charge of Municipal Ante-Natal and Post Natal Clinics sent 1,215 samples of blood (818 A.N.C. and 397 P.N.C.) for investigation for Syphilis. Out of these, 255 (164 A.N.C. and 91 P.N.C.) were found to be positive for Kahn or Meinicke's Tests. Out of these 255, only 162 attended the clinic for treatment during the year.

**Summary of Cases, etc.**—18,281 Venereal cases (15,360 Male and 2,921 Female) and 2,167 Non-Venereal cases were treated *vide* Tables 59 to 62.

#### (l) Leprosy.

The Acworth Leprosy Home has been doing commendable 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 was borne by the Municipal Corporation. The average daily attendance of patients during 1954 was 251 and the total number of new cases treated at the clinic was 6,038.

The Home had 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 6 by the municipality (including 1 for the 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 of 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 24.

The details of the field work of the seven Health Visitors and other leprosy work done is given in table 63.

#### (m) Malaria

Malaria was registered as the cause of 16 deaths and ague and remittent fever of 12 deaths. The annual average deaths due to these diseases during the last decennium were 85 and 470 respectively (*vide* table 53). Inspection of houses for detection of mosquito breeding places and destruction of their larvae was promptly carried out and action was taken against the house-owners to keep the premises in a condition unfavourable for mosquito breeding.

Details of quantities and cost on insecticides used are given in table 64.

Tables 65 and 66 show the total No. of wells, cisterns, etc., found breeding Anopheles mosquitoes.

No children were examined in dwellings as malaria was not a problem in the city.

Table 67 shows the number of pupils examined and the number found with enlarged spleen by the school medical inspection staff.

Out of 911 blood smears taken at the municipal dispensaries, 15 showed malaria parasites.

47 clinical cases of malaria were treated at the municipal dispensaries as against 67 in the previous year (*vide* table 68).

**Wells.**—One hermetically cement concrete covered well was re-opened in C ward. 4 hermetically cement concrete covered wells (wards C-1, E-1 and G-2) and 4 retained wells (wards D-1 and G-3) were filled in.

The total number of wells in the city on 1st January 1954 was 2,138. Out of these, 1,660 were hermetically cement concrete covered wells, and 478 open or partially open wells. Out of these 424 were retained, 38 Jack wells and the remaining 16 were under action (*vide* table 69).

All the retained wells except a few were stocked with gambusia fish and replenished every six months or often when found necessary.

**Cisterns.**—The total number of cisterns in the city was 74,170.

**Mill tanks.**—87 mills contained 87 mill tanks. They were all regularly examined for mosquito breeding and action taken wherever necessary. A good number of mills participated in the scheme of insecticide services.

**Breeding in mill tanks.**—63 instances of mosquito breeding in mill tanks were detected during the year. Prompt action was taken to destroy the same.

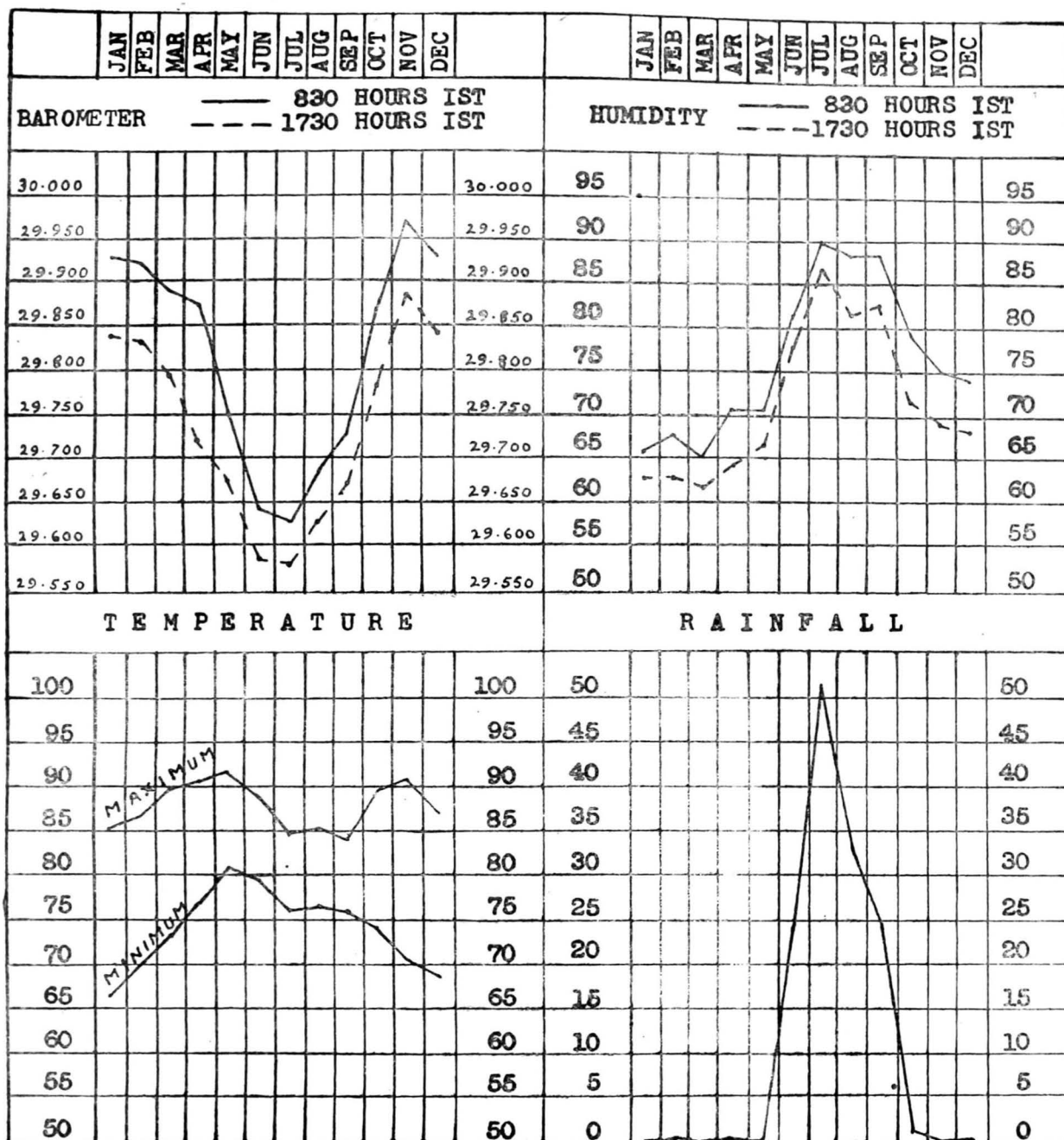
**Overhead cisterns on mills and other premises.**—All the 202 overhead cisterns in mill premises and overhead tanks on premises other than mills were maintained in mosquito proof condition during the year.

**Storm water entrances.**—See table 70.

**Admission in institutions.**—6,997 Malaria fever cases were admitted and treated in different institutions in the city.

# DIAGRAM F

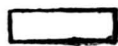
CLIMATIC CONDITIONS IN BOMBAY CITY IN 1954



## DIAGRAM F 1

DAILY MEAN BIRTHS AND DEATHS IN BOMBAY CITY

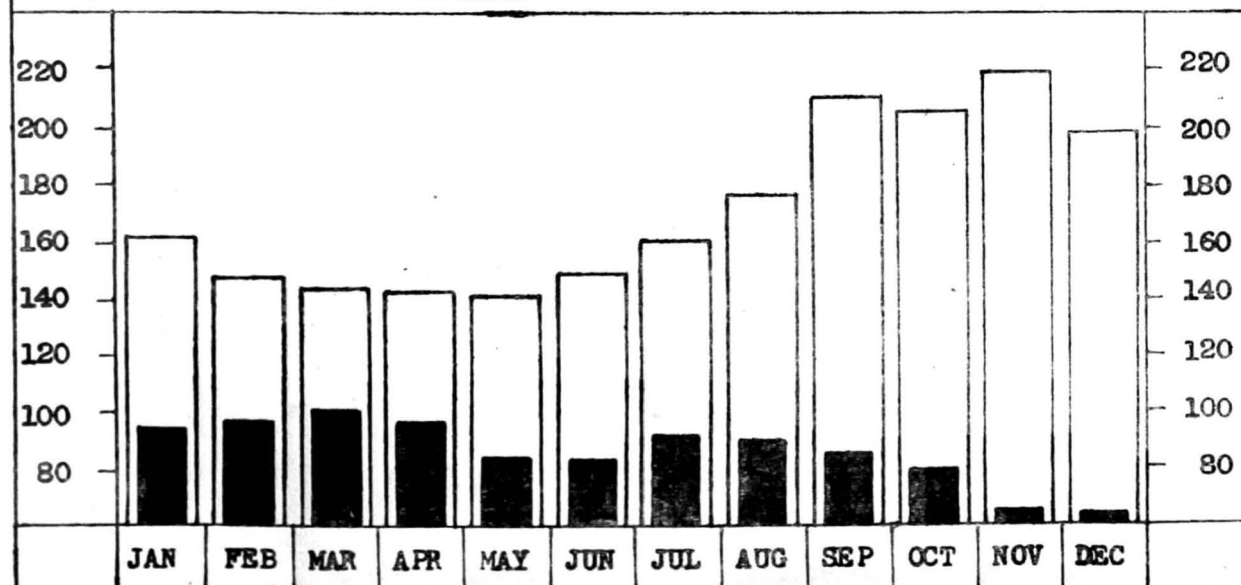
LIVE BIRTHS (DAILY AVERAGE)



(1954)



TOTAL MORTALITY (DAILY AVERAGE)



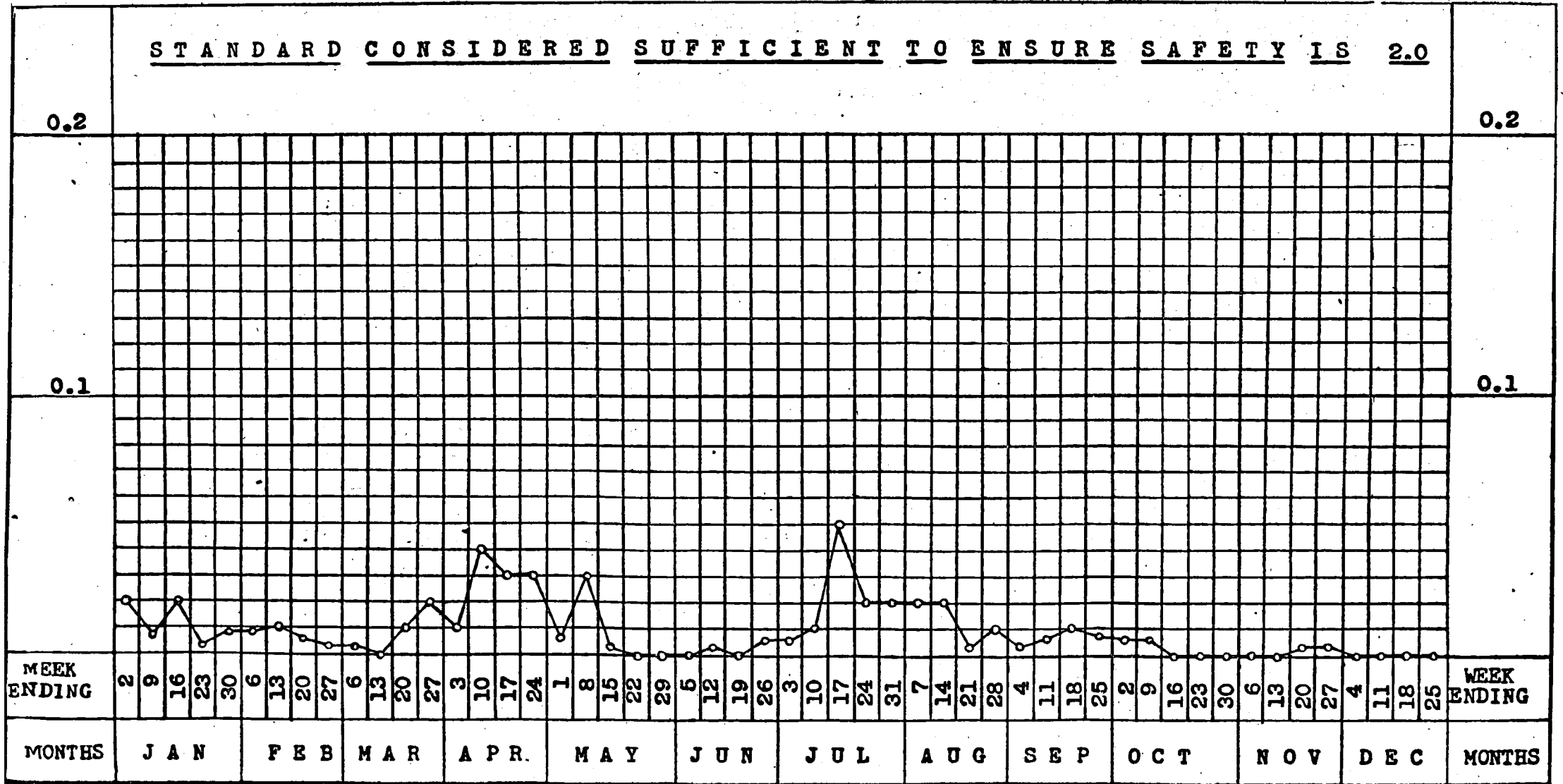


# DIAGRAM G

## STEGOMYIA INDEX IN BOMBAY CITY

### FROM JANUARY TO DECEMBER

1954



**Precautions against yellow fever.**—Campaign against *Aedes Aegypti* mosquito, the vector of yellow fever, was continued throughout the year. The *Stegomyia* index had not shown anything more than 2 per cent which was considered as safe.

The anti-malaria drugs such as paludrine, quinine and mepacrine (tablets) were made freely available to the public through the municipal dispensaries.

**Monsoon action and mosquito nuisance.**—Notices were issued against the owners to keep their compounds free from mosquito breeding.

#### **Insecticide services**

Fly nuisance was further reduced as a result of regular anti-fly measures by the insecticide squads.

**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. 47,569-10-0 was received for rendering these services.

Details of the fogging service rendered with the Tifa Unit are given in Table 71.

The Malaria Advisory Committee held two meetings during the year.

**Disinfection.**—The details of the work done and the quantity and cost of disinfectants and disinfestants used are given in tables 72 and 73.

### **5. HYGIENE**

(i) **Maternity and Child Welfare Services.**—Since the year 1954, the main clinics at the five maternity homes were kept open thrice a week instead of twice to cope with the rush at these centres. The ten subsidiary clinics were kept open twice a week as before.

A new maternity home with its composite activities will be started at Naigaum in the near future.

Aid to poor mothers delivered at their homes was given in the form of jaggery, ghee, milk, etc.

Milk-distribution scheme was continued with the object of giving aid to poor and undernourished women attending the municipal maternity homes.

Standardised uniform diet was introduced in all the five maternity homes.

Since the year 1954, arrangements for the post-mortem examination of deaths occurring in the five municipal maternity homes were made at the B. Y. L. Nair Charitable Hospital. Such post-mortem examinations were carried out with the consent of the relatives.

B. C. G. Vaccination was done on new-born babies at the five maternity homes with the consent of their parents.

A Well Baby Clinic was conducted at the maternity home at Bellasis Road. Vitamin A-D drops were administered to the children of pre-school age at the maternity home at Bellasis Road as an experiment.

Different steps such as medical treatment, regular weighing, etc., at the clinics were continued with the object of improving the health of infants and pre-school-age children.

#### **(ii).—Family Planning.**

Advice on spacing of birth was given confidentially by trained lady doctors to married women at the seventeen free family planning clinics in the city.

Health visitors assigned to this work paid domiciliary visits to mothers for doing follow up work and propaganda of these service.

Statistics of the work done by this branch is given in table 74.

#### **(iii)—School Health Work**

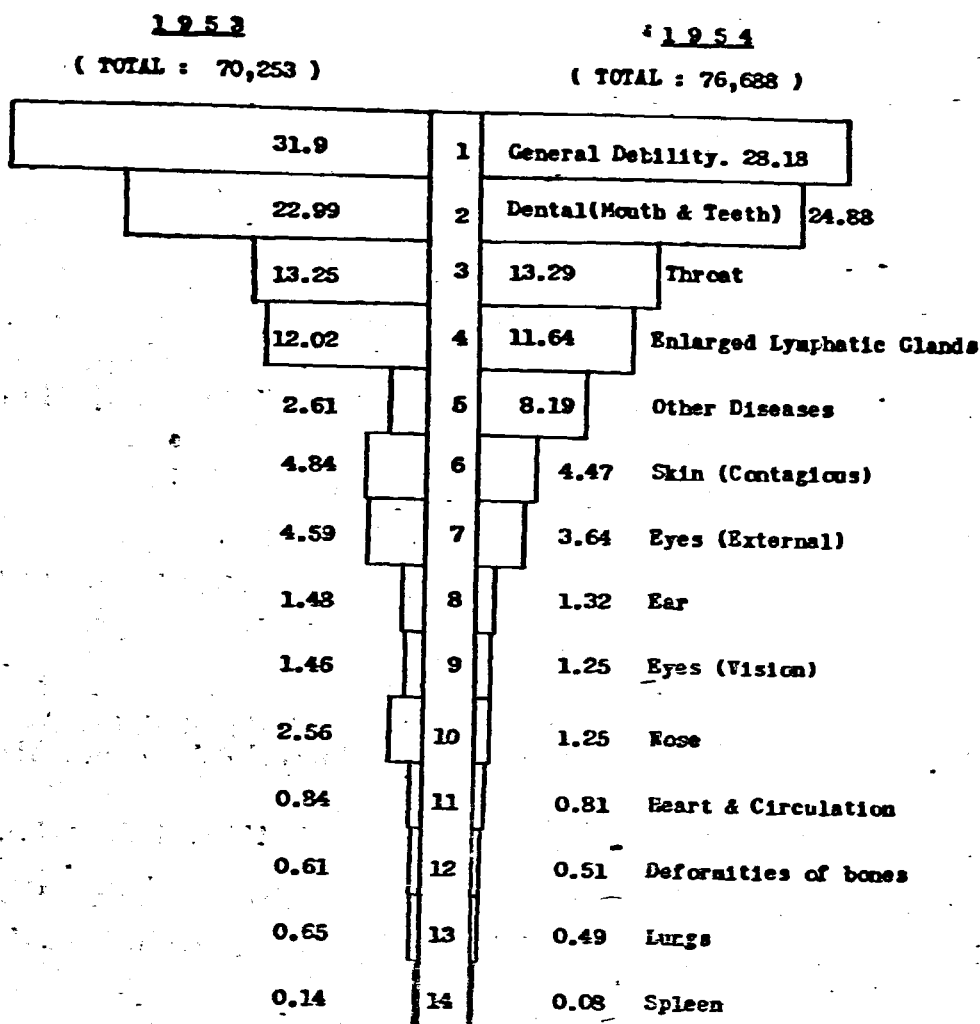
(1) **Medical Inspection of School Children.**—The total number of pupils in I to IV standards was 1,30,335 and 37,935 in V to VII standards.

As a routine measure, 17,418 pupils of standard I, and 11,703 of standard III were examined. 7,382 pupils of standard II and 6,523 of standard IV who were not examined during the previous year and 64 pupils presented by parents and teachers as special cases were also examined.

212 schools and classes out of 391 were visited and 43,026 children (23,582 boys and 19,444 girls) were examined, of whom 35,227 were found defective with 76,688 defects. Parents and guardians of these children were intimated about this. 30,522 parents consented and 4,705 dissented to give treatment to their children at the municipal school clinic.

The Medical Officers interviewed 586 parents in schools and explained to them the necessity of their children undergoing clinic and dispensary treatment.

Percentages of common defects to the total number of defects (76,686).



(2) **Correction of defects.**—Minor ailments among the children were treated at the nearest municipal dispensaries. The cases with major ailments were treated at the school clinic at the K. E. M. Hospital, which was quite inadequate to treat more than 2,000 fresh children annually. Only 1,065 new and 6,829 old cases requiring immediate attention were, therefore, taken up and 504 children were treated at the out-patients' department of the hospital.

79 children with errors of refraction were supplied with spectacles free of charge. 51,322 children were vaccinated during smallpox epidemic during the month of March and April 1954, in addition to 45 at the Central Vaccination Depot through school clinic organizer. 391 schools and classes were supplied with emergency outfit, and 56 children suspected to have leprosy infection were directed to the Acworth Leprosy Home. Of these, 9 positive cases were disallowed from attending the schools. One case was kept under observation and was allowed to attend the school. The Education Officer was requested to take suitable action in 2 cases who left the school and were likely to join any other school, 3 did not present themselves as directed and 38 cases were declared negative by the Superintendent, Acworth Leprosy Home on thorough examination. Three other cases were also disallowed because they failed to present themselves for bacteriological test as directed, since they were suspected infectious cases. 566 of the 626 children advised, took treatment at the municipal dispensaries. They were escorted by the school health nurses to the dispensaries. Out of 62 cases detected by seven medical officers, 57 cases of enlarged spleen were taken to the various municipal dispensaries by school health nurses for blood smears. Parents of 5 refused to give consent, although they were persuaded by the nurses. 492 children suffering from scabies, ringworm and boils were treated in the schools by the school medical officers.

In all 129 operations were performed at the school clinic for tonsils and other maladies.

Two cases of rat-bite and 3 of dog-bite were treated. Only 50 out of 56 suspected T. B. cases were screened at the Princess Street T. B. Clinic as two absented and 4 left the schools. Of the screened cases, 46 were found with lung fields clear and of the other 4 positive, who showed signs of further development, three were admitted to the Group of T. B. Hospitals, Sewri, with their parents' consent.

227 (new and old) children with dental defects were treated at the Nair Hospital Dental College.

(3) **Health Education and Follow up work.**—225 and 892 health talks on subjects of simple personal hygiene were given to the children in the school by the school medical officers and school health nurses respectively in order to inculcate healthy habits among them.

The school health nurses visited 1,975 and revisited 690 ailing children at homes and gave necessary instructions to their parents, as regards their care and diet.

(4) **Supply of milk and snacks to the undernourished children.**—Only certified undernourished children were catered with milk each receiving 8 oz. of toned pasteurised milk on every school working day. Due to vacation and short supply, the milk scheme did not function from 21st April 1954 to 7th July 1954.

Undernourished children ranging from 22,560 to 36,960 in all were catered with milk on every school working day at 311 milk distributing centres in municipal schools.

Snacks in the form of either chikki (toffee) or fruits (chiku or orange) were also given to these undernourished children, on school working days, to supplement the milk diet.

Sports, drills, etc., organized by the Education Department at different places in the city and suburbs and a Childrer's Rally organised by San e Guruji Katha Mala at Shiwaji Park on 7th October 1954, were attended by the school medical officers for rendering first aid to the injured participants.

The total expenditure incurred on (1) medical inspection and treatment of school children, and (2) on the milk scheme were approximately Rs. 1,05,475 and Rs. 8,27,761 respectively. Besides, Rs. 4,00,000 were sanctioned for supplying snacks to the milk recipients.

## 7. MEDICAL RELIEF.

**Municipal free dispensaries.**—The number of new cases treated at the 24 dispensaries and one mobile dispensary was 3,36,519 (1,92,661 males and 1,43,858 females) as against 3,23,384 in 1953. The total attendance was 15,05,316 as against 14,30,870 in 1953, including 52 visits by the dispensary medical officers to patients at their homes. (table 75).

Clinics for women and children were conducted by three part-time lady doctors at 6 municipal dispensaries for 2 hours thrice a week. The number of new cases treated was 7,432 (5,824 women and 1,608 children) as against 8,334 in 1953. The total attendance was 88,311. These figures include visits by the lady doctors to patients at their homes.

The eye dispensary and hospital at Kamathipura. were attended by two honorary medical surgeons by turns. The out-patient 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 for females with a modest operation theatre and a full-time resident nurse.

The total number of new cases treated at this institution was 11,583 as against 12,128 in 1953. The total attendance was 83,113 as against 87,333 in 1953. The number of in-door patients among the new cases treated and total attendance were 234 and 3,372 respectively (table 76).

*Poor box charity collections.*—Details are given in table 77.

## 8. HEALTH PUBLICITY AND PROPAGANDA

The Propaganda Section disseminated knowledge of health, hygiene and cleaner living among the citizens through the popular media of posters, leaflets, health exhibitions, film shows, meetings, etc. The section also helped the vaccination and inoculation staff of the Health Department with microphonic talks persuading people to accept vaccination and inoculation, etc. The section also accompanied the sanitary staff and helped them by broadcasting the aims and objects of the surprised food raids carried out by them twice every week.

The section organised and carried out important activities as Health Weeks and Cleanliness Campaigns in different wards, and sent round to the municipal schools itinerary exhibits.

The section arranged a health stall in the Civic Exhibition in March 1954 and arranged health education film-shows thereat.

The section carried out the most important work of preparation and distribution of health education material in the shape of posters, leaflets, show-cards, models and other types of exhibits.

The sizeable Public Health Museum at Princess Street and health stalls including 'Civic Sense' Gallery at Albert Museum were maintained by the section.

## 9. STANDARDS BRANCH.

**(1) Public Health Department.**—As a result of the recommendations made by Messrs. Ibcn Ltd., 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 373 persons from the basic staff by the end of December 1954. 15 persons were reduced during the year under review. The resultant cumulative net savings amounted to Rs. 11,52,400, the monthly rate of savings during December 1954 being Rs. 31,215 (vide table 78).

**(2) Conservancy.**—A potential reduction of 2,640 persons in the staff (including leave substitutes) in reference period was indicated and the implementation of the recommendation resulted in reduction of 1,131 persons by the end of December 1954 and 266 persons during the year under reference.

The resultant cumulative net savings amounted to Rs. 10,43,590, monthly rate of savings in December 1954 being Rs. 93,685 (vide table 79).

V. V. PURI,  
M.B.B.S., D.P.H., D.T.M.,  
Executive Health Officer.

## 4(A) CITY FEVER HOSPITAL, ARTHUR ROAD.

Dr. J. K. Thanawala, M.D., F.C.P.S., held the post of the Medical Superintendent throughout the year.

The Works Committee established as per the Adjudicator's Award held two meetings. The PESHU COMMITTEE constituted to investigate into the complaints against the menial staff and to award suitable punishments after thorough enquiries, was also continued.

The Welfare Centre for the labour staff carried out its activities satisfactorily.

**Visitors.**—The distinguished persons who visited the Hospital during the year included (1) Sir Philip Manson Bahr of London and (2) Dr. H. Romero, the W. H. O. Consultant.

**Admissions.**—During the year, 12,304 patients suffering from various acute infectious and communicable diseases except Tuberculosis and Leprosy, were admitted in the hospital as against 9,802 during the previous year (*vide* tables, 80, 81 and 82). Out of these 12,304 patients, 2,387 were of enteric fever, 1,444 of smallpox and 2,588 of diphtheria. The daily average number of patients was 453. The annual admission figure *viz.* 12,304 was the highest so far recorded; however, the case fatality rate in the total admissions was 5.5% only, the lowest so far recorded. On account of heavy admissions of major infectious diseases such as diphtheria enteric fever etc., admissions of cases of chickenpox, mumps, etc., had to be restricted.

**Hospital Accommodation**—(*Vide* table 83).

**Expenditure.**—The total expenditure during the year was Rs. 12,42,165 as against 10,65,350 during the previous year. The average weekly and daily cost per patient is given in table nos. 84 and 85.

**Teaching.**—Instructions in infectious diseases were given to 378 M.B.B.S., D.A.S.F. and Post Graduate students preparing for the examinations of Diploma in Child Health or Public Health. Student nurses, nurses, health visitors, etc., from different institutions also received instructions in nursing management of infectious diseases and working of the Infectious Diseases Hospital.

Students and members of the staff took advantage of the medical library and the recreation activities provided at the hospital.

**Nurses Welfare Fund.**—Total amount received during the year was Rs. 65 as donations and Rs. 87 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. 1,686-7-6.

**Blood transfusion.**—Instead of supplying donors, sealed bottles containing blood of different groups were supplied by the Bombay City Red Cross Transfusion Service, which were stored in the Laboratory at this Hospital so that the blood was available for transfusion at any time.

The City Fever Hospital Employees' Co-operative Credit Society, Ltd., Bombay 11, was amalgamated with the Bombay Municipal Bank, Ltd., from 30th October 1954. (*Vide* table 86).

**Hospital day.**—The Hospital Day was celebrated on 12th March 1954 under the presidentship of Dr. P. A. Dias, L.M. & S., the Mayor of Bombay.

**Smallpox.**—In a total of 1,444 cases admitted in this hospital, 236 died giving a case fatality rate of 16.3%. Excluding 83 deaths which occurred within 48 hours of admission of cases in a moribund condition the case fatality rate was 10.6% only. February, March and April were the peak months for admissions, the lean months being August onwards.

The clinical classification of cases of smallpox admitted and mortality rate in them are given in table 87. They are classified by ages and vaccinal conditions in table 88.

Periston (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 of toxæmia and mortality rate to some extent.

The smallpox admissions from 1941 are summarised in table 89.

**Diphtheria.**—The total number of cases admitted in this hospital during the year was 2,588 the highest figure ever recorded so far. However the mortality rate was 5.8%, the lowest so far recorded.

Excluding the 115 moribund cases that died within 48 hours of admission, the case fatality rate was 1.2% only. The operation of tracheotomy was required to be performed at this hospital in 69 cases of diphtheria with laryngeal obstruction, 22 of whom succumbed to the disease. 4 cases were transferred to this hospital from other institutions after tracheotomy operation, of whom 1 died. The diphtheria admissions from 1941 onwards are summarised in table 90. Cases were admitted from all parts of the city predominantly from Byculla, Dongri and Dadar localities (*vide* table 91). The incidence by age is shown in table 92.

The highest incidence of the disease was in the age-group of 2-5 years. The youngest patient admitted was a female child aged two months and the oldest a female aged 70 years. The former was discharged cured while the latter expired.

The diphtheria admissions are classified in table 93.

**Enteric fever.**—The admissions during the year numbered 2,387 as against 2,056 during the previous years.

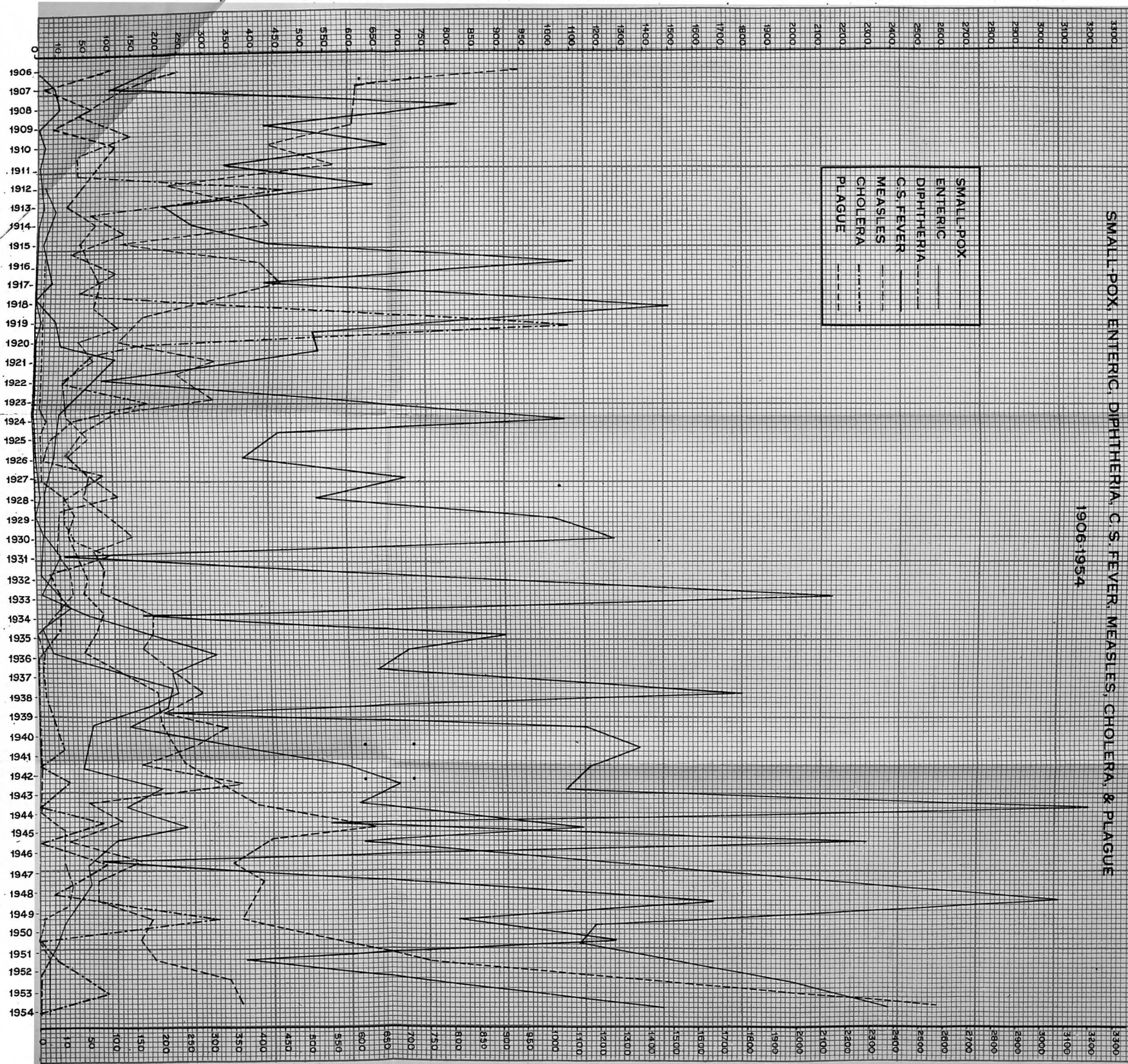
June, July, August and September were the peak months for admissions.

# ANNUAL ADMISSIONS

(CITY FEVER HOSPITAL, ARTHUR ROAD)

## SMALL-POX, ENTERIC, DIPHTHERIA, C. S. FEVER, MEASLES, CHOLERA, & PLAGUE

1906-1954



History of previous T. A. B. inoculation was available in 30 cases only. The onset of the disease in these cases occurred after 15 days of the protective inoculation. Meningeal symptoms developed in 128 cases and 184 had a relapse. Signs of intestinal perforation were detected in 13 cases (0.5%) which were transferred to the K. E. M. Hospital for surgical treatment.

Further particulars about complications of the disease are given in table 94.

143 cases proved fatal, giving a case fatality rate of 5.9%. Excluding the 64 deaths which occurred among cases admitted in a moribund condition and within 48 hours of their admission, the case fatality rate was 3.3% only. Considerable reduction in the mortality rate could be attributed to early and on a large scale administration of the antibiotic drug, *viz.*, "Chloramphenicol."

**Special treatment.**—(1) High caloric diet was given to all cases (except when it was contraindicated due to abdominal complication 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 the convalescence.

(2) Protein-hydrolysate-transfusion was given in 167 cases, of whom 20 died. It was administered in 37 cases associated with toxæmia, in 100 cases with toxæmia and diarrhoea and in 30 cases with diarrhoea as a complication of the disease. It was found to be beneficial as regards reduction in toxæmia and quick control of diarrhoea.

(3) A Plasma substitute 'Periston' was given in 319 cases, 117 of them with toxæmia and 164 with toxæmia and diarrhoea. Of these 232 were cured. It was also administered in 38 cases having haemorrhage per rectum as a complication and 35 cases recovered.

(4) Whole blood transfusion was given in 80 cases, of whom 13 proved fatal. Out of 80 cases, 27 had anaemia, 13 had toxæmia, of whom 4 recovered while 40 cases had intestinal haemorrhage, of whom 4 died. Blood transfusion was thus found to be beneficial in enteric fever with complications of toxæmia and haemorrhage per rectum and anaemia.

(5) Of the 2,163 cases treated with 'Chloramphenicol', 100 died. Chloramphenicol was administered in 12 hourly doses (three capsules twice a day to the adults). In a majority of the cases, the drug was administered in the early stage of the diseases, which resulted in reduction in the mortality rate.

Incidence of enteric fever and case mortality rate from 1941 to 1954 are shown in table 95. The incidence of enteric fever was predominantly high in Fort, Dongri, Byculla and Parel localities (table 91).

Incidence of age group is shown in table 96. 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 13 months who recovered and the oldest a female of 70 years who expired.

**Cerebro spinal-fever.**—Only 4 cases were admitted in the hospital of whom 2 died, within 48 hours of admission, being in a moribund condition.

The cases were treated with sulphadiazine and penicillin.

Incidence of cerebro-spinal-fever and case mortality rate from 1941 to 1954 are shown in table 97.

The oldest patient, a male aged 32 years, was discharged cured (table 98).

The incidence by locality is shown in table 91.

**Cholera.**—Only 1 case was admitted during the year which recovered. (*vide* table 99).

**Typhus Fever.**—30 cases were admitted with history of continuous fever associated with head-ache and extreme weakness. Diagnosis was confirmed by repeated examination of blood for weil-Felix reaction, which showed a rising titre during the course of the disease. All the cases were discharged cured.

**Anterior poliomyelitis.**—73 cases of poliomyelitis were admitted during the year. 6 cases proved fatal, out of which 4 died within 48 hours of admission. The clinical classification of these cases and the mortality rate is given in table 100.

**Other diseases.**—Of the 361 cases of measles, 206 of mumps and 1,734 of chickenpox admitted, 14 of measles and 5 of chickenpox proved fatal. Majority of the cases were from children's homes, convents, etc. The deaths were generally due to the complication of broncho-pneumonia. Almost all the fatal cases were admitted in a moribund condition and died within 48 hours of admission.

**Clinical laboratory.**—The number of investigations carried out in the laboratory during the year and the injectable solutions prepared are shown in table 101.

J. K. THANAWALA,  
M.D., F.C.P.S.,  
Medical Superintendent, Arthur Road  
Hospital.

## 6. MUNICIPAL LABORATORY

Dr. V. Sadashivan, B.Sc., (Ag.), M.Sc., Ph.D., A.I.I.Sc., was Municipal Analyst throughout the year.

The total number of samples examined during the year was 27,815 as against 38,635 in the previous year, the decrease in the figure being due to Rule 6A of the Bombay Prevention of Adulteration Act having been declared *ultra-vires* by the High Court. Of the above, 20,427 samples were examined chemically and 7,388 bacteriologically.

During the period under report, it was observed that the common adulterant of tea was gram husk, while fried and ground date seeds were used for admixture with coffee. A large proportion of the samples of turmeric and chillies powder showed presence of starchy material such as that of rice, legumes, tapioca, wheat and sweet potato. Common salt was also present in abnormal quantities not consistent with its use as a preservative.

The extent of adulteration in various food stuffs examined in the Laboratory was as shown below :—

Milk	...	33.5	per cent.
Ghee	...	7.3	"
Butter	...	51.9	"
Vegetable Product	...	1.3	"
Margarine	...	5.9	"
Tea	...	23.8	"
Coffee	...	86.9	"
Turmeric Powder	...	58.9	"
Curds	...	29.1	"
Chilli Powder	...	42.6	"
Sage	...	100.0	"
Oils	...	13.1	"
Prepared Tea	...	21.3	"

The work of examination of samples of milk from the Government Milk Distribution Centres all over Greater Bombay was continued. Of 1,367 Milk samples examined, 79 were of Toned Milk, 3 of which were found to be below the prescribed standards.

The Laboratory continued to be of assistance to other departments of the Corporation as shown below :—

	No. of samples examined.
Stores Department	... 179
Water Works Department	... 567
Licensing Department	... 366
Special Engineer's Department	... 59

The Municipal Analyst attended different Courts on 36 occasions for giving evidence in cases under the Bombay Prevention of Adulteration Act:

**Chemical—**

(i) Samples of food-stuffs examined chemically were 16, 791 and of other food-stuffs, 1,735 (*vide* table 102).

(ii) of the 418 Sample of water examined, 70 well water samples and 7 water samples collected from other sources were found to be unfit for potable purposes.

(iii) Out of 901 Samples of Urine examined, 292 samples were received from private individuals and 609 from municipal institutions.

(iv) 582 Samples of miscellaneous nature such as soap, chemicals, etc., were received.

**Bacteriological and Clinical**

7,388 samples were examined bacteriologically.

(i) Of the 681 Samples of water examined, 30 well water samples and 124 water samples collected from other sources were found to be unsatisfactory for potable purposes.

433 Samples of water from the Bombay Port Trust Areas were examined and all of them were found to be fit for potable purposes.

(ii) 14 Samples of Disinfectants were examined to determine the Rideal Walker Co-efficient.

(iii) Samples examined for Diagnostic Purposes were 6058 including 1,102 blood-smears for the detection of malarial parasites. (*vide* table 103).

(iv) 202 Samples of a miscellaneous nature were examined. The results of samples of food-stuffs examined under the B. P. A. Act are given in table 104 and the analysis of Bombay Water samples are given in tables 105 and 106.

V. SADASIVAN,  
B.Sc., (Ag.), M.Sc., Ph. D., A.I.I.Sc.  
Municipal Analyst.



## 4(B) VACCINATION.

The details of the measures taken to intensify the vaccination drive to combat the epidemic of small pox are given on Page 1 under outstanding features.

As in the previous years, 38 permanent public vaccination stations were conducted in the city, three of which worked daily. The remaining stations including the 4 temporary, worked 2½ hours a day every week by rotation. On an average nine stations worked every day.

Out of the children vaccinated primarily during the year 55,240 were born in the city as against 49,161 in the previous year.

The total of births registered during the period of twelve months from 1st July 1953 to 30th June 1954 was 61,505 which means that primary vaccination was postponed beyond the age of six months in the case of 10% of the city born children. (*vide* table 107). 17,701 outborn children were vaccinated primarily during the year. The results of primary vaccinations by ages are given in table 108.

**Inspection of results.**—The results of vaccinations recorded by vaccinators were checked by the Superintendent of Vaccination in 1,346 cases and by the Head Vaccinator in 1,019 cases. The proportion of successful vaccination to total vaccinations was 99.99%. The municipal vaccinators' work was checked in a large number of primary vaccinated cases that revisited the stations for showing the result. The work was found to be satisfactory. These inspections helped to ascertain that the vaccine lymph in use was constantly of good potency.

**Income.**—The total income derived from the sale of lymph, etc., and other sources is given in table 109.

Certificates for postponement of vaccination were issued in respect of 28 children on ground of ill health.

**Prosecutions.**—No prosecution was launched 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 cases of ill effects due to vaccinations were observed or reported.

**Instructions to students.**—During the year under report, 188 medical students, 146 private students from the city and mofussil attended different public vaccination stations for practical instructions in vaccination. 20 lady health visitors of the Bombay Presidency Infant Welfare Society were given instructions and training in vaccination at the request of the secretary of the society.

**Vaccination of the pilgrims.**—7,645 pilgrims proceeded to Haj during the year. Of these, 2,839 pilgrims were vaccinated at the office of the Haj Committee by the staff of the 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 people arriving into the city from the West coast was immunized against small pox.

W. H. MHATRE,  
M.B.B.S., B. Hy.  
For Superintendent of Vaccination.

TABLE I  
POPULATION

Ward	Section.	POPULATION.					
		By the Census 1951.			By the Census 1941.		
		Males.	Females.	Total.	Males.	Females.	Total.
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
		97,835	50,307	1,48,142	68,684	33,555	1,02,239
B	Mandvi ...	23,923	12,484	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
		1,11,120	67,732	1,78,852	84,644	50,368	1,35,012
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
		2,03,629	1,13,941	3,17,570	1,34,633	77,269	2,11,902
D	Khetwadi ...	42,367	27,704	70,071	31,229	21,455	52,684
	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
		1,66,922	1,07,263	2,74,185	1,24,992	84,172	2,09,164
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
		2,76,857	1,51,223	4,28,080	1,89,240	1,09,845	2,99,085
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	32,342	77,199	13,169	8,871	22,040
		2,57,037	1,53,816	4,10,853	1,35,640	85,612	2,21,252
G	Dadar ...	65,270	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	1,49,301	38,528	21,229	59,757
	Love Grove ...	6,809	3,704	10,513	3,386	1,313	4,699
		3,42,874	2,01,351	5,44,225	1,71,007	1,04,228	2,75,235
	Harbour, Docks, Railways and Unknown ...	23,310	3,803	27,113	33,613	2,381	35,994
	Total ...	14,79,584	8,49,436	23,29,020	9,42,453	5,47,430	14,89,883

TABLE 2  
AREA, DENSITY OF POPULATION, BIRTHS, ETC., 1954.

Ward.	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.			
A	Upper Colaba	605.77	22.7	271	235	506	36.9	34.7	31.6
	Middle and Lower Colaba	790.88	49.5	600	583	1,183	30.2	30.9	138.6
	Fort, Southern	454.26	37.1	58	38	96	5.7	18.4	93.8
	Fort, Northern	89.70	121.0	535	505	1,040	28.4	32.6	98.1
	Esplanade	648.41	64.4	601	545	1,146	27.4	31.0	86.4
		2,589.02	57.2						
B	Mandvi	171.60	212.1	458	455	913	25.1	30.6	115.0
	Chakla	45.16	651.6	353	382	735	25.0	31.0	84.4
	Umarkhadi	94.95	847.5	1,127	1,075	2,202	27.4	30.2	74.0
	Dongri	296.50	109.8	482	451	933	28.7	41.6	189.7
		608.21	294.1						
C	Khara Talao	57.36	560.7	493	443	936	29.1	28.1	125.0
	Kumbharwada	42.05	863.0	609	549	1,158	25.9	37.5	108.8
	Bhuleshwar	43.22	565.6	834	791	1,625	27.5	35.5	110.2
	Market	81.75	672.9	633	592	1,225	22.3	27.5	92.2
	Dhobi Talao	114.63	608.0	961	907	1,868	26.8	29.9	101.7
		441.40	719.5						
	Fanaswadi	102.39	556.5	665	693	1,358	23.8	30.8	100.9
D	Khetwadi	153.71	455.9	1,023	955	1,978	28.2	31.4	106.2
E	Tardeo	146.92	350.1	743	644	1,387	27.0	31.5	131.9
D	Girgaum	114.42	610.8	832	854	1,686	24.1	29.1	95.5
	Chowpati	106.52	316.1	449	423	872	25.9	34.0	48.2
	Walkeshwar	584.20	67.4	468	463	931	23.7	29.0	90.2
	Mahalakshmi	680.02	89.9	1,044	1,064	2,108	34.4	35.7	105.3
		1,638.87	167.3						
E	Mazagaon	544.41	99.8	858	773	1,631	30.0	34.5	162.5
	Tarwadi	359.90	164.0	762	716	1,478	25.0	27.8	148.2
	1st Nagpada	96.20	214.6	229	204	433	21.0	32.7	217.1
	2nd Nagpada	86.53	455.2	621	624	1,245	31.6	36.5	226.5
	Kamathipura	60.32	951.0	763	743	1,506	26.3	26.2	294.8
	Byculla	536.27	272.1	1,987	1,947	3,934	27.0	30.2	163.4
		1,830.55	233.9						
F	Parel	560.59	198.5	1,693	1,559	3,252	29.2	38.1	147.3
	Sewri	1,129.59	55.9	888	817	1,705	27.0	30.1	221.1
	Naigaum	425.08	249.5	1,305	1,259	2,564	24.2	30.4	142.7
	Matunga	388.46	137.0	751	750	1,501	28.2	33.9	55.9
	Sion	2,727.89	28.3	1,502	1,478	2,980	38.6	43.2	137.9
		5,231.61	78.5						
G	Dadar	1,450.38	96.8	1,763	1,709	3,472	24.7	31.9	163.3
	Mahim	370.74	172.9	1,241	1,210	2,451	38.2	44.0	99.1
	Parbhadevi	489.46	166.7	1,666	1,459	3,125	38.3	38.4	149.4
	Worli	915.11	107.5	1,639	1,695	3,334	33.9	34.8	146.1
	Chinchpokli	477.31	312.8	1,293	1,161	2,454	16.4	19.5	176.0
	Love Grove	708.76	14.8	64	57	121	11.5	17.5	107.4
		4,411.76	123.4						
	Harbour, Docks, Railways and Unknown...	...	...	...	...	...	...	...	...
	Total	16,751.42	139.0	32,264	30,808	63,072	27.1	31.5	135.3

TABLE 3

METEOROLOGICAL DATA (GOVERNMENT OBSERVATORY, COLABA), LATITUDE 18°-53'-36" NORTH LONGITUDE 72°-48'-56" EAST.

Months.	WIND.		TEMPERATURE. (°F)						MEAN BAROMETRIC PRESSURE (in inches)		MEAN RELATIVE HUMIDITY.			RAINFALL.						
	Direction.	Mean velocity in miles per hour at 0830 hours.	Mean maximum temperature.	Departure from normal.	Highest in month.	Mean minimum temperature.	Departure from normal.	Lowest in month.	At 0830 hrs.	At 1730 hrs.	At 0830 hrs. %	At 1730 hrs. %	Normal rel. humidity %	Total rainfall in the month (in inches)	Departure from normal.	Highest fall in one day.		Minimum fall in one day.		Number of rainy days.
																Inches.	Date.	Inches.	Date.	
1954.																				
January	...	5.9	85.1	+2.6	92.5	66.6	-1.3	60.5	29.926	29.843	66	63	68	t	-0.14	...	...	...	...	...
February	...	5.8	86.9	+4.1	93.5	70.1	+1.7	64.6	29.923	29.833	68	63	68	0.30	+0.22	0.28	4th	0.02	1st	2
March	...	4.1	89.8	+4.1	96.8	73.8	+0.6	69.9	29.890	29.796	65	62	72	0.00	-0.05	...	...	...	...	...
April	...	4.5	90.9	+2.3	97.4	77.0	-0.5	72.7	29.823	29.720	71	64	74	0.09	+0.06	0.08	26th	t	24th & 25th	1
May	...	3.4	91.8	+1.0	93.9	80.6	-0.1	76.8	29.750	29.673	71	67	74	t	-0.65	...	...	...	...	...
June	...	9.1	88.8	+0.8	95.5	79.1	-0.6	73.7	29.646	29.583	82	78	81	24.66	+5.60	5.85	26th	0.06	29th	18
July	...	10.1	84.4	-0.2	88.8	76.3	+1.4	72.9	29.629	29.579	90	87	85	51.56	+27.29	8.67	2nd	0.01	18th	30
August	...	8.5	85.0	+0.8	88.9	76.7	-0.4	73.3	29.680	29.626	88	82	84	33.72	+20.33	9.84	7th	0.03	12th, 22nd and 28th	28
September	...	7.8	84.2	-0.5	88.4	76.0	-0.7	72.9	29.729	29.670	88	83	83	24.84	+14.45	4.20	2nd	0.01	16th	24
October	...	3.5	89.2	+1.4	94.0	74.0	-2.7	68.8	29.866	29.783	79	72	78	1.89	-0.65	1.38	20th	0.01	19th	4
November	...	5.5	90.9	+3.7	94.3	70.9	-2.6	67.9	29.973	29.886	75	69	70	0.00	-0.53	...	...	...	...	...
December	...	4.0	87.2	+2.5	93.4	68.4	-1.6	62.6	29.933	29.843	74	68	68	0.02	-0.06	0.02	17th	...	...	1

Note : 't' denotes rainfall less than 1 cent.

TABLE 4

ROADS AND FOOT-PATHS ATTENDED TO.

			Roads.	Foot-paths.
Miles	...	...	272.181	283.54
Square yards	...	...	52,40,148	20,28,670

TABLE 5

ROAD-SCRAPING, SWEEPING, WASHING AND GULLY FLUSHING.

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.	
38,23,923	20,110	95,88,312	41,83,359	12,63,394

TABLE 6

Refuse collection and removal work.

Population as per census of 1951.	Area in acres.	Tonnage of refuse collected and removed			Total.
		House-hold.	Trade.	Market.	
23,29,020	16,751.42	6,13,585	1,77,203	7,334	7,98,122

TABLE 7

Disposal of refuse.

BY RAIL.			BY RECLAMATION.			BY BURNING	BY MANURE PITS
House-hold.	Market.	Trade.	House-hold.	Market.	Trade.	Trade.	Trade.
3,37,776	7,334	20,825	2,75,809	...	1,56,378	128	4,822
House-hold.	Market.	Total Trade.		Grand Total.			
6,13,585	7,334	1,82,153		8,03,072 (tons.)			

TABLE 8

Temporary refuse collection places.

Street bins.	Dust bin carts on stands.	Refuse sheds.	Refuse yards.	Waste paper bins.	Sputum bins.
9	34	59	2	917	21

TABLE 9

Halalkhore work.

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.)
837	41	2,339	604	75	18	21,29,785	53,30,609

TABLE 10

Basket privies in the city.

Ward.	Basket Privies.	
	Blocks.	Seats.
D	1	2
E (East)	2	6
F	394	1,346
G (South).	11	37
G (Central).	64	165
G (North)	194	730
Total	666	2,286

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	34	108	3	73	17	8	243
No. of seats	293	30	..	361	61	..	745
No. of stalls	..	319	..	269	52	..	640
No. of bathing cubicles	..	..	23	4	38	..	65
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	Rats found infected.
36,59,482	6,05,184	51	566	9,38,820	9,39,386	7,048	..

TABLE 13

Destruction of dogs.

1. Death of licensed dogs	..	..	..	..	..	..	925
2. Dogs sent out of Bombay	..	..	..	..	..	..	694
3. Untraceable dogs due to change of ownership or place vacated	..	..	..	..	..	..	302
4. Lost by owners and could not be traced	..	..	..	..	..	..	410
5. Dogs offered for destruction	..	..	..	..	..	..	102
6. Dogs sent to Panjrapole	..	..	..	..	..	..	92
					Total	..	2,515

TABLE 14

Dog licensing work.

1. No. of notices served	..	..	..	..	..	..	1,449
2. No. of licences issued	..	..	..	..	..	..	7,931
3. No. of dogs caught	..	..	..	..	..	..	11,774
4. No. of dogs released by the owners	..	..	..	..	..	..	1,009
5. No. of dogs sold	..	..	..	..	..	..	282
6. No. of dogs destroyed	..	..	..	..	..	..	10,152
7. No. of dogs dead or escaped	..	..	..	..	..	..	181
8. No. of dogs sent to hospitals for experiments	..	..	..	..	..	..	87
9. No. of dogs detained in the kennel chamber	..	..	..	..	..	..	105

TABLE 15

## Dog licensing work—Income.

	Rs.	a.	p.
1. Tax on dogs .. .. .	39,615	0	0
2. Cost of number tickets replaced .. .. .	130	0	0
3. Sale of dogs .. .. .	424	8	0
4. Feeding charges .. .. .	502	12	0
5. Miscellaneous .. .. .	228	0	0
6. Immunization of dogs .. .. .	112	0	0
Total .. .. .	41,012	4	0

TABLE 16

## THE WORK DONE BY AMBULANCES AND HEARSES.

1. No. of christian pauper dead bodies removed .. .. .	451
2. No. of non-christian dead bodies removed .. .. .	317
3. No. of patients removed to Infectious Diseases Hospital .. .. .	12,356
4. No. of dead bodies removed on payment .. .. .	3,837
5. Amount recovered by services rendered .. .. .	Rs. 27,824 0 0

TABLE 17

## PREVENTION OF NUISANCES.

Under Section 372(e) of the B. M. C. Act.				Under Section 115 of the B. P. Act.			No. of chokes removed from gully traps
No.	No. with- drawn	No. acqui- tted	Total fines recovered	No.	No. acqui- tted	Total fines recovered	
2,399	64	...	8,476	5,337	...	12,349	9,98,506

TABLE 18

## WORK DONE BY VETERINARY SECTION.

	Bullock Hospital.	Infectious Diseases Hospital.
1. Cases treated .. .. .	144	13
2. Cases discharged .. .. .	102	13
3. Animals died .. .. .	17	...
4. Total charges recovered .. .. .	...	Rs. 202-8-0.

TABLE 19

## INCOME.

	Rs.	a.	p.
1. Special halalkhore service .. .. .	7,531	0	0
2. Rendering conservancy services .. .. .	1,15,621	14	0
3. Sale of Health Department Rights .. .. .	3,735	0	0
4. Removal of carcasses .. .. .	4,574	0	0
5. Skinning contract .. .. .	5,501	0	0
Total .. .. .	1,36,962	14	0

TABLE 20

## CO-OPERATIVE CREDIT SOCIETIES 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.	521	10,50,35	0	0	2,54,002	0	0	2,21,676	0	0	21,830	0	0	A
2	A Ward Gujarati Scavengering and Halalkhore Co-operative Credit Society, Ltd.	231	54,724	0	0	1,15,507	0	0	1,01,091	0	0	8,097	0	0	A
3	B Ward Conservancy employees' Co-operative Credit Society Ltd.	821	1,63,490	0	0	3,53,721	0	0	2,73,194	0	0	22,066	0	0	A
4	C Ward Gujarati Scavengering and Halalkhore Co-operative Credit Society, Ltd.	339	81,303	15	0	1,18,150	0	0	1,02,690	0	0	8,045	9	0	B
5	C Ward Marathi Bigaris Co-operative Credit Society, Ltd.	599	1,65,945	13	0	2,30,700	0	0	2,01,765	0	0	14,593	0	0	A
6	D Ward Marathi Bigaris Co-operative Credit Society, Ltd.	459	87,623	15	0	2,45,521	0	0	1,79,672	0	0	15,561	2	0	A
7	D Ward Scavengering and Halalkhore Co-operative Credit Society, Ltd.	448	1,13,772	15	0	1,93,400	0	0	27,500	0	0	14,465	7	0	B
8	E East Conservancy Labour Employees' Co-operative Credit Society, Ltd.	704	1,77,535	0	0	2,75,580	0	0	2,47,625	0	0	11,822	3	5	B
9	E West do.	469	4,140	0	0	1,84,745	0	0	1,62,340	0	0	9,203	0	0	B
10	F Ward do.	853	2,29,694	0	0	4,63,235	0	0	4,43,570	0	0	22,062	0	0	A
11	G Ward South do.	727	4,14,149	8	0	3,69,116	8	0	2,47,949	0	0	17,593	5	7	B
12	G Ward North do.	678	1,53,256	10	0	4,43,532	0	0	4,16,014	8	0	15,426	1	0	A

TABLE 21

## SANITARY INSPECTIONS AND IMPROVEMENTS SECURED.

	No. of Inspections, etc., by	
	Medical Inspectors	Medical Assistants.
<i>A—Nature of inspection or premises visited—</i>		
1. Dwelling houses	6,789	39,204
2. Milch cattle stables	204	1,936
3. Other stables	262	1,495
4. Dairies and milkshops	3,412	6,487
5. Eating houses	8,08	17,703
6. Other premises where food is sold	5,180	7,778
7. Aerated water works	352	1,492
8. Other workshops and factories	7,183	14,633
9. Accumulations of refuse	2,548	4,821
10. Building works	77	5,399
11. Drains and fittings	2,766	12,909
12. Other inspections and inquiries	10,571	33,759
13. Markets	207	772
Total no. of inspections ...	48,541	† 1,43,448
	† This figure includes 6251 inspections made by the MOBILE SQUAD.	
<i>B—Works, etc., completed—</i>		
1. Dwellings—		
(a) Limewashed	746	3,770
(b) Water supply provided	14	23
(c) Overcrowding abated	...	...
(d) Insanitary dwellings evacuated	36	85
2. Stables—		
(a) Paved and drained	4	451
(b) Cleaned and refuse removed	149	766
(c) Licence cancelled	1	2
3. Eating houses, dairies, etc.—		
(a) Regulations enforced	1,190	3,880
(b) Licences cancelled	1	2
4. Factories and workshops—		
Limewashing, etc., carried out	13	130
5. Drains, etc., repaired	1,095	7,426
6. Privies abolished	...	3
7. New w. cs. provided	41	50
8. Accumulation of refuse removed	446	2,479
9. Other works completed	2,219	7,711
Total sanitary works completed ...	5,985	26,778



TABLE 22

## WORK DONE BY THE MILK INSPECTORIAL STAFF.

No. of hawkers importing milk by trains inspected	...	...	...	...	1,930
Do. found without licence	...	...	...	...	212
Do. detected carrying milk in open cans without covers	...	...	...	...	715
Do. found with grass rings in milk-vessels	...	...	...	...	625
Total number of persons hawking milk, and prosecuted :					
(a) for sale in streets	...	...	...	...	93
(b) for selling milk in the shops without licence	...	...	...	...	101
(c) for breach of licence conditions	...	...	...	...	78

TABLE 23

## DESTRUCTION OF UNWHOLESOME FOOD.

Article.	Quantity destroyed	Article	Quantity destroyed
Fruits (Fresh)	1,09,673 Nos.	Biscuits	122 Lbs.
Fruits (Dry)	654 Lbs.	Tea or Coffee	4 Lbs.
Preserved fruits	305 Nos.	Fish (Fresh)	37 Baskets.
Potatoes	9,481 Lbs.	Fish (Dry)	54 Lbs.
Onions	6,465 "	Fish (Tinned)	250 Tins.
Vegetables	3,532 "	Flesh (Beaf)	44 Lbs.
Chillies	81½ "	Ham	16 Tins.
Tamarind	2 Bags.	Bacon	41 Tins.
Sugar	¼ Bag	Flesh (tinned)	911 Tins.
Goor	335 Lbs. & 150½ Blocks	Patent Food	101 Tins.
Indian sweetmeats	17,014 Lbs.	Pickles	114 Lbs.
Sterilised milk	3 Tins.	Other Prepared Food	13,552 "
Condensed milk	186 Tins.	Jam	198 Tins.
Butter	5 Tins.	Fresh Milk	598 Seers.
Chocolates	350 Pieces.	Mawa	220½ Lbs.
Cheese	521 Lbs.	Bread	1,678 Nos.
		Cocoanut Shells	27 Doz.
		Other food	4,408½ Lbs.

TABLE 24

## NOTICES FOR ENFORCING SANITARY PROVISIONS.

Total number of notices issued	...	25,600
Number complied with	...	15,319
Number not complied with	...	8,406
Number pending (disputed or not served)	...	1,728
Number cancelled	...	147
Number of notices issued in 1953	...	26,651

TABLE 25

## COURT CASES

1	2	3	4	5	6
Sections under which prosecutions were instituted.	Number of cases outstanding on 1st January 1954.	Number of cases filed during 1954.	Total of columns 2 and 3.	Number of cases disposed of.	No. of cases pending.
191 A	...	4	4	4	..
248	...	13	14	8	6
248 (I)	...	37	52	17	35
249	...	18	31	13	18
251-B	...	8	52	46	14
257	...	1,078	1,839	1,697	1,220
257(I)	...	382	941	930	393
257, 375.	...	20	4	4	20
257 (I), 375	...	85	320	275	130
257, 375, 372	...	26	24	14	36
258	...	23	26	33	16
274	...	24	35	28	31
274 (I)	...	1	2	3	...
316	...	1	...	..	1
367, 368	...	284	205	180	309
368	...	140	22	72	90
372	...	1,721	997	880	1,838
372 (e)	...	323	76	69	330
375	...	651	1,245	1,182	714
375-A	...	211	147	237	121
377	...	41	5	20	26
377 (I)	...	47	38	43	42
380	...	572	566	428	710
381	...	575	305	398	482
381 (i)(ii)	...	42	21	46	17
381 (ii)	...	143	700	588	255
381-A	...	61	110	109	62
384	...	616	121	138	599
384 (I)	...	70	187	97	160
384-A	...	3	...	1	2
385	...	...	6	6	...
390	...	472	984	1,068	388
394	...	2,302	2,844	3,242	1,904
394 (I)(d)(i)&(ii)	...	89	171	122	138
412-A	...	431	583	516	498
472	...	97	206	145	158
Total	...	10,595	12,827	12,659	10,763
Bombay Prevention of Adulteration Act	6,251	5,723	11,974	7,025	4,949
Total amount of fees realised during the year in respect of :—					Rs. As. P.
(1) Sanitary actions ...					89,858 5 0
(2) Cases under B.P.A. Act...					49,443 12 0
Total					1,39,302 1 0

TABLE 26  
BIRTHS BY MONTHS

	MONTHS.												Total.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1953	5,305	4,015	3,900	4,413	4,645	4,772	4,938	5,513	6,277	6,527	5,901	6,520	62,726
1954	5,045	4,197	4,507	4,347	4,418	4,533	4,975	5,491	6,358	6,439	6,585	6,177	63,072

TABLE 27

## BIRTHS BY SECTIONS AND MONTHS

Period	BIRTHS BY MONTHS (1949-1954)												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
1949-53 (average)...	5,045	4,197	4,507	4,347	4,418	4,533	4,975	5,491	6,358	6,439	6,585	6,177	63,072
1950	5,070	4,310	4,175	4,267	4,388	4,655	4,914	5,237	5,986	6,414	6,320	6,372	62,641
1951	5,661	4,297	4,175	4,267	4,388	4,655	4,768	4,965	5,272	6,146	6,187	6,614	60,597
1952	5,769	4,518	4,534	4,443	4,642	4,776	4,896	5,219	6,022	6,406	6,497	6,958	65,679
1953	5,505	4,015	4,113	4,413	4,642	4,776	4,938	5,340	7,076	7,316	6,991	6,289	66,125
1954	5,045	4,197	4,507	4,347	4,418	4,533	4,975	5,491	6,358	6,439	6,585	6,177	62,726
Jan.	48	23	40	37	39	49	26	49	55	54	54	32	506
Upper Colaba ...	48	23	40	37	39	49	26	49	55	54	54	32	506
Middle and Lower Colaba.	97	90	89	84	82	81	107	99	117	119	99	119	1,183
Fort, Southern	4	7	6	7	8	5	7	8	6	10	13	15	96
Fort, Northern	70	81	63	72	72	71	72	93	127	126	95	98	1,040
Esplanade	101	71	91	69	76	78	107	86	127	119	111	110	1,146
Mandvi	73	68	60	70	68	66	70	74	84	106	81	93	913
Chakla	59	48	66	48	57	45	61	70	81	73	74	53	735
Umarkhadi	177	123	157	151	169	171	191	229	205	218	201	210	2,202
Dongri	74	68	51	63	86	84	95	62	73	91	103	83	933
Khara Talao	67	64	55	85	70	65	83	95	85	87	90	90	936
Kumbharwada	93	88	76	72	78	85	85	77	133	122	110	139	1,158
Bhuleshwar	148	108	137	117	108	120	103	146	166	176	140	156	1,625
Market	125	79	81	78	83	89	77	95	126	138	115	139	1,225
Dhobi Talao	164	124	114	112	153	135	138	139	214	232	172	171	1,868
Fanaswadi	89	75	102	111	111	100	97	118	147	138	142	128	1,358
Khetwadi	179	120	119	120	168	130	146	169	213	228	212	174	1,978
Tardeo	107	87	90	98	99	112	117	128	140	132	137	140	1,387
Girgaum	159	94	108	119	140	122	100	131	205	199	162	147	1,686
Chowpati	87	51	60	67	52	66	72	73	83	100	86	75	872
Walkeshwar	89	62	75	74	75	85	67	73	84	73	91	83	931
Mahalaxmi	126	162	158	140	179	141	183	177	214	226	202	200	2,108
Mazgaon	117	102	129	133	131	107	154	136	157	136	190	139	1,631
Tarwadi	120	116	104	103	102	98	135	128	141	132	151	148	1,478
First Nagpada	48	37	40	29	30	35	25	37	39	32	45	36	433
Second Nagpada	112	105	93	84	98	84	121	107	97	85	134	125	1,245
Kamathipura	124	106	105	91	97	92	130	139	128	101	222	171	1,506
Byculla	270	250	275	269	249	289	340	374	380	406	411	421	3,934
Parel	265	220	229	192	212	220	287	275	348	365	333	306	3,252
Sewri	124	101	130	120	99	137	140	141	176	174	190	173	1,705
Naigaum	202	161	166	194	155	176	222	214	285	271	270	248	2,564
Matunga	119	103	104	99	85	103	125	142	151	149	175	146	1,501
Sion	193	197	219	203	195	191	198	260	327	334	303	360	2,980
Dadar	333	298	289	263	264	335	262	245	274	314	353	242	3,472
Mahim	173	144	200	170	154	169	192	203	221	270	292	263	2,451
Parbhadevi	231	153	210	235	212	211	209	295	333	329	327	340	3,125
Worli	267	210	260	219	220	213	252	335	328	291	401	338	3,334
Chinchpokli	196	153	147	144	137	169	173	253	282	273	293	234	2,454
Love Grove	15	8	9	5	5	4	6	16	6	10	5	32	121
Harbour, Docks, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	5,045	4,197	4,507	4,347	4,418	4,533	4,975	5,491	6,358	6,439	6,585	6,177	63,072

TABLE 28  
BIRTHS BY MONTHS (1949-1954)

TABLE 29

## PERCENTAGE OF THE TOTAL MORTALITY BY AGE-PERIODS

Age Period.	1952		1953		1954			Percentage of total mortality
	Deaths.	Percentage of total mortality.	Deaths.	Percentage of total mortality.	Deaths.			
					Male. (a)	Female. (b)	Persons (a)+(b)	
Under 1 year	9,335	27.2	9,000	26.5	4,606	3,928	8,534	26.7
1 to 5 years	6,043	17.6	5,926	17.5	2,745	3,021	5,766	18.0
5 to 10 years	1,094	3.2	1,127	3.3	437	520	957	3.0
10 to 15 years	553	1.6	492	1.5	219	213	432	1.3
15 to 20 years	817	2.4	663	2.0	337	286	623	2.0
20 to 30 years	3,872	8.4	2,653	7.8	1,311	1,032	2,343	7.3
30 to 40 years	2,515	7.3	2,416	7.1	1,394	834	2,228	7.0
40 to 50 years	2,578	7.5	2,527	7.4	1,660	657	2,317	7.2
50 to 60 years	2,892	8.4	3,066	9.0	1,990	740	2,730	8.5
60 years and above	5,638	16.4	6,057	17.9	3,364	2,714	6,078	19.0
<b>Total</b>	<b>34,337</b>	<b>100.0</b>	<b>33,927</b>	<b>100.0</b>	<b>18,063</b>	<b>13,945</b>	<b>32,008</b>	<b>100.0</b>

TABLE 30  
DEATHS BY AGES AND MONTHS.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Average of five years 1949-53.
Within 24 Hours ...	58	85	84	72	84	104	109	112	103	114	82	67	1,074	1,008
1 to 7 days ...	123	92	102	87	91	105	126	157	182	149	143	140	1,497	1,632
1 to 4 weeks ...	95	93	99	105	88	85	142	148	152	121	120	134	1,382	1,749
4 weeks to 3 months ...	97	104	102	109	84	94	110	94	81	93	79	110	1,157	1,249
3 months to 6 months ...	88	108	129	114	85	91	128	94	64	70	49	64	1,084	1,245
6 months to 12 months ...	176	181	275	221	197	231	276	224	180	115	143	121	2,340	2,595
1 to 2 years ...	318	240	312	253	234	212	259	238	212	154	159	129	2,720	2,871
2 to 5 years ...	333	314	389	342	262	238	244	232	195	170	162	165	3,046	3,180
5 to 10 years ...	91	100	125	99	72	74	87	66	61	67	55	60	957	1,263
10 to 15 years ...	34	32	45	26	46	44	41	40	31	32	27	34	432	597
15 to 20 years ...	58	58	69	60	52	52	42	42	45	50	42	53	623	878
20 to 30 years ...	206	203	236	254	195	183	172	172	191	179	176	176	2,343	3,158
30 to 40 years ...	205	199	188	202	191	164	195	192	172	187	158	175	2,228	2,714
40 to 50 years ...	239	183	199	223	219	183	188	211	163	183	165	161	2,317	2,546
50 to 60 years ...	262	229	237	236	230	201	228	232	211	253	208	203	2,730	2,823
60 and over ...	509	504	539	501	478	447	529	546	520	533	463	509	6,078	5,757
Ages Unspecified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All Ages ...	2,892	2,725	3,130	2,904	2,608	2,508	2,876	2,800	2,563	2,470	2,231	2,301	32,008	...
Average of five years 1949-53.	2,953	2,662	3,036	3,069	3,114	2,780	3,046	3,193	3,008	2,951	2,729	2,724	...	35,265

TABLE 31  
DEATHS BY AGES, CAUSES AND SEXES

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	...	...	2	6	1	7	4	
2	6	Cerebro Spinal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	8	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4	9	Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	10	Diphtheria	...	...	...	...	...	...	1	...	6	...	7	12	22	19	25	20	8	12	
6	13	Tuberculosis of Respiratory System	...	...	...	...	...	...	...	1	1	...	5	8	12	17	20	17	7	15	
7	14-22	Other forms of Tuberculosis	...	...	...	...	...	...	4	...	8	...	9	31	71	57	70	75	25	28	
8	30	Syphilitic disease	...	...	1	1	...	3	7	4	1	...	2	...	...	...	...	...	...	...	
9	33	Influenza	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	
10	35	Measles	...	...	...	...	...	...	1	...	1	...	13	18	...	19	...	...	...	4	
11	36	Acute Poliomyelitis and Polioencephalitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
16	45-46A females	Cancer of all other Sites	...	...	...	...	...	1	...	...	...	...	1	1	...	2	1	...	...	...	
17	61	Diabetes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	83	Intra cranial Vascular Lesions	5	2	5	3	3	...	1	...	1	...	1	...	...	...	...	2	...	...	
19	90-95	Heart disease	...	...	...	...	1	...	...	...	...	...	...	2	4	1	1	3	3	6	
20	96-103	Other diseases of Circulatory system	1	...	2	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	
21	106	Bronchitis	...	...	...	...	...	...	...	...	5	4	2	3	2	5	5	2	1	1	
22	107-109	Pneumonia	2	2	28	15	82	58	222	208	297	263	633	682	624	663	403	554	132	163	
23	104,105,110-114	Other Respiratory diseases	...	...	1	1	2	...	6	1	5	2	6	7	4	6	4	...	...	5	
24	117	Ulceration of the Stomach or duodenum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
25	119,120	Diarrhoea	...	...	10	4	90	65	65	90	57	47	117	114	88	78	109	102	54	61	
26	121	Appendicitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
27	115,116,118,122-129	Other digestive diseases	...	1	11	2	14	11	7	2	7	3	7	6	37	23	23	25	11	4	
28	130-132	Nephritis	...	...	...	...	...	...	1	...	...	...	1	...	1	8	2	5	3	3	
29	140-147	Puerperal and Post Abortives Sepsis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
30	141-146,148-150	Other Maternal Causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
31	159	Premature birth	400	279	400	309	108	80	9	14	1	2	3	1	...	...	...	...	...	...	
32	157,158,160,161	Congenital Malformation, injury at birth	204	123	374	209	410	348	207	174	103	90	76	85	24	23	8	12	1	1	
33	163-164	Suicide	...	...	...	...	...	...	...	...	...	...	1	1	...	7	4	7	...	8	
34	170-171	Road Traffic Accidents	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
35	165-169,172-198	Other Violent Causes	9	10	2	...	...	...	...	1	...	1	3	5	8	4	23	25	26	17	
36	Other defined diseases.	A. Small pox	...	...	...	1	2	2	14	21	19	23	39	39	35	44	65	64	24	25	
		B. Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		C. Kala-Azar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		D. Malaria	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	3	1	1
		E. Ague and Remittent Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
		F. Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		G. Fever not defined	1	...	3	2	12	11	4	8	5	3	7	13	7	7	6	8	6	6	1
		H. Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		I. Dysentery	...	...	...	...	1	...	...	2	1	2	3	11	6	11	10	16	10	5	4
		K. Leprosy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		L. Senility and Old Age	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
M. All other causes	...	25	10	73	37	49	24	33	33	43	45	133	189	355	387	581	659	97	154		
		Males	647		910		776		588		568		1,117		1,332		1,413		437		
		Females		427		587		606		569		516		1,223		1,388		1,633		520	
		Total	1,074		1,497		1,382		1,157		1,084		2,340		2,720		3,046		957		
		Percentage							26.7							18.0				3.0	

TABLE 31 (contd.)  
DEATHS BY AGES, CAUSES AND SEXES

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	12	7	28	14	69	23	19	4	17	4	7	1	4	3			169	63	232	1
2	6	Cerebro-Spinal Fever	...	...	1	...	...	...	...	...	...	...	...	...	...	...			3	1	4	2
3	8	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	...	...	3
4	9	Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	...	...	4
5	10	Diphtheria	...	4	1	1	...	...	...	...	...	...	...	...	...	...			3	6	9	4
6	13	Tuberculosis of Respiratory System	6	10	28	24	176	121	236	88	251	44	226	42	135	31			71	69	140	5
7	14-22	Other forms of Tuberculosis	4	14	5	17	26	40	30	38	13	13	12	11	9			1,104	420	1,524	6	
8	30	Syphilitic disease	...	...	...	...	8	1	23	4	7	1	7	...	5	1			320	340	660	7
9	33	Influenza	...	...	...	...	...	...	...	...	...	...	1	...	...	2			59	19	78	8
10	35	Measles	...	...	1	...	3	1	...	...	...	...	...	...	...	...			2	2	4	9
11	36	Acute Poliomyelitis and Polioencephalitis	...	...	...	...	...	2	1	...	...	...	...	...	...	...			80	100	180	10
12	37	Acute infections encephalitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...			23	14	37	11
13M	45-46A	Cancer of buccal cavity and Oesophagus (Males)	...	...	...	...	1	...	8	...	...	...	...	...	...			...	...	1	12	
13F	48	Cancer of Uterus	...	...	...	...	...	3	...	7	...	16	...	10	...	7			73	...	73	13
14	46B	Cancer of Stomach and duodenum	...	...	...	...	...	1	...	1	5	3	14	4	20	11			...	43	43	13
15	50	Cancer of breast	...	...	...	...	...	...	...	5	...	11	...	5	...	6			40	19	59	14
	45-46A females		...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	27	27	15
16	46-C-h, 47,49,51,55	Cancer of all other Sites	2	1	2	...	12	5	26	10	56	33	96	32	97	50			...	...	...	16
17	61	Diabetes	1	...	1	...	2	1	1	2	11	1	13	8	13	22			294	134	428	16
18	83	Intra cranial Vascular Lesions	...	...	7	2	7	14	13	10	38	16	65	27	112	91			42	34	76	17
19	90-95	Heart disease	4	...	9	5	43	18	94	16	151	20	242	30	274	117			259	168	427	18
20	96-103	Other diseases of Circulatory system	...	...	...	3	3	11	5	6	20	6	16	10	39	35			824	217	1,041	19
21	106	Bronchitis	...	...	...	1	2	2	11	4	10	1	19	5	27	14			89	79	168	20
22	107-109	Pneumonia	33	53	43	36	143	100	111	71	116	30	109	27	122	113			88	46	134	21
23	104,105,110,114	Other Respiratory Diseases	3	3	5	1	34	17	43	19	77	28	200	63	157	87			3,100	3,038	6,138	22
24	117	Ulceration of the Stomach or duodenum	...	...	1	...	1	1	11	...	6	2	7	4	5	1			547	244	791	23
25	119-120	Diarrhoea	10	2	1	3	18	11	17	10	28	10	28	12	39	52			731	661	1,392	24
26	121	Appendicitis	1	1	...	...	...	...	...	2	4	2	2	1	1	...			8	9	17	25
27	115,116,118,122-129	Other digestive diseases	6	9	9	5	38	40	66	30	71	18	65	20	63	32			435	231	666	26
28	130-132	Nephritis	1	4	1	2	13	7	16	6	16	8	23	13	64	33			150	79	229	27
29	140-147	Puerperal and Post Abortive Sepsis	...	...	...	4	...	...	...	...	...	...	...	...	...	...			...	...	...	28
30	141-146,148-150	Other Maternal Causes	...	1	...	...	...	30	...	20	...	...	...	...	...	...			...	12	12	29
31	159	Premature birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	56	56	30
32	157,158,160,161	Congenital Malformation, injury at birth	...	1	...	...	...	...	...	...	...	...	...	...	...	...			921	685	1,606	31
33	163-164	Suicide	...	...	1	...	6	1	5	2	1	...	2	1	...	...			1,407	1,066	2,473	32
34	170-171	Road Traffic Accident	11	3	10	2	14	2	23	2	22	2	17	3	25	5			15	4	19	33
35	165-169,172-198	Other Violent causes	56	12	66	36	251	95	179	49	107	35	58	28	58	42			137	33	170	34
	34	(A) Small-pox	7	3	15	10	64	49	15	26	5	4	3	...	...	...			846	360	1,206	35
	3	(B) Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...			307	316	623	A
	29	(C) Kala-Azar	...	...	...	...	...	...	...	1	1	...	...	...	...	...			...	...	...	B
	28a	(D) Malaria	...	...	...	...	...	...	...	...	...	...	...	...	...	...			1	1	2	C
	28b	(E) Ague and Remittent Fever	...	...	...	2	2	...	2	...	1	...	1	...	3	...			11	5	16	D
	31	(F) Relapsing Fever	...	...	...	1	1	...	1	...	1	...	1	...	...	...			3	9	12	E
	200: 2a	(G) Fever not defined	2	...	3	...	4	7	11	3	4	...	2	4	7	6			84	73	157	F
	4	(H) Cholera	...	...	...	...	2	2	...	2	...	6	19	5	29	14			...	...	...	G36
	27	(J) Dysentery	3	...	3	4	15	3	12	2	12	6	19	5	29	14			141	68	209	H
	23	(K) Leprosy	...	...	2	...	9	2	17	1	15	3	13	3	7	2			63	11	74	I
	162	(L) Senility & old age	...	...	...	...	...	...	...	...	2	...	180	102	1,437	1,467			1,619	1,569	3,188	J
		(M) All other causes	57	85	94	112	346	418	396	393	575	335	522	268	584	456			3,963	3,605	7,568	L
		Males	219		337		1,311		1,394		16,60		1,990		3,364				18,063			
		Females		213		286		1,032		834		657		740		2,714				13,945		
		Total	432	623	2,343	2,228	2,317	2,730	6,078												32,008	
		Percentage.	1.3	2.0	7.3	7.0	7.2	8.5	19.0												100.0	

TABLE 32

## DEATHS AND DEATH RATES FROM EPIDEMIC AND PRINCIPAL CAUSES.

Causes of Death.	Average of years (1944-53)		1953		1954	
	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.
<i>Principal Epidemic Diseases</i>						
Small-pox	408	0.2	189	0.1	623	0.3
Measles	218	0.1	88	0.0	180	0.1
Plague	3	0.0	...	0.0	...	0.0
Esteric Fever	586	0.3	323	0.1	232	0.1
Malarial Fever	85	0.0	17	0.0	16	0.0
Ague and Remittent Fever	470	0.3	3	0.0	12	0.0
Influenza	12	0.0	8	0.0	4	0.0
Cholera	14	0.0	22	0.0	...	0.0
Dysentery	314	0.2	236	0.1	209	0.1
Diphtheria	92	0.1	112	0.0	140	0.1
<i>Other Principal Diseases.</i>						
Tuberculosis	2,240	1.3	2,427	1.0	2,184	0.9
Cerebro-Spinal Fever	38	0.0	7	0.0	4	0.0
Diseases of the Nervous System	1,064	0.6	988	0.4	939	0.4
Diseases of the Respiratory System	10,621	6.1	7,768	3.3	7,063	3.0
Diarrhoea and Enteritis	1,173	0.7	1,288	0.5	1,392	0.6
Puerperal State	122	0.1	82	0.0	68	0.0
Congenital Debility and Diseases of early Infancy.	5,016	2.9	4,518	1.9	4,079	1.7
Old Age	3,410	2.0	3,517	1.5	3,188	1.4
Leprosy	72	0.0	53	0.0	74	0.0
Violence	1,456	0.8	1,332	0.6	1,395	0.6
Other Causes	10,093	5.8	10,949	5.1	10,206	4.4
<b>Total</b>	<b>37,507</b>	<b>21.5</b>	<b>33,927</b>	<b>14.6</b>	<b>32,008</b>	<b>13.7</b>

TABLE 33

## CERTIFICATION OF CAUSES OF DEATHS

Year.	Total deaths.	Verified by District Registrars.	Number of Certificates of the Causes of Deaths received from					Total	Percentage of Total Certificates received to the Total Mortality.
			Medical Officers of Hospitals.	Private Medical Practitioners.	Hakims and Vaidyas.	Commissioner of Police.	Coroner of Bombay.		
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
1953	33,927	19,611	8,476	3,414	36	324	2,066	14,316	42.2
1954	32,008	17,264	7,647	4,279	65	277	2,476	14,744	46.0

TABLE 35

## DEATHS BY MONTHS

Period.	MONTHS.												Total.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1953	2,716	2,442	2,639	2,666	2,786	2,582	2,961	3,372	3,115	3,054	2,771	2,823	33,927
1954	2,892	2,725	3,130	2,904	2,608	2,508	2,876	2,800	2,563	2,470	2,231	2,301	32,008



TABLE 34  
DEATHS BY CAUSES

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	March	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Total
Short List.	Detailed List.														
<b>I.—Infective and Parasitic Diseases.</b>															
(1-26) Diseases due to bacteria—															
1	1	Typhoid Fever	13	8	23	19	22	38	11	27	20	23	12	15	231
1	2	Para-typhoid Fever	...	...	...	...	1	...	...	...	...	...	...	...	1
B	3	Plague	...	...	...	...	...	...	...	...	...	...	...	...	...
H	4	Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...
36	5	Undulant Fever	...	...	...	...	...	2	1	1	...	...	...	...	4
2	6	Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...
36	7	Malignant Prostate and Anthrax	...	...	...	...	...	...	...	...	...	...	...	...	...
3	8	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
4	9	Whooping Cough	...	...	1	1	...	...	...	1	...	2	2	2	9
5	10	Diphtheria	16	8	12	5	5	6	15	17	19	10	17	10	140
36	11	Erysipelas	...	1	...	...	...	...	...	...	...	...	...	...	1
36	12	Tetanus	20	9	9	17	19	16	14	17	17	17	20	12	187
(13-22) Tuberculosis (all forms)—															
6	13	Tuberculosis of the Respiratory System	151	134	141	144	150	108	107	118	111	138	102	120	1,524
	14	Tuberculosis of the Meninges and Central Nervous System	49	28	71	50	43	47	28	52	39	48	34	38	527
	15	Tuberculosis of the Intestines and Peritoneum	2	10	8	7	14	5	5	5	9	10	10	8	93
	16	Tuberculosis of the Vertebral Column	1	1	1	1	1	...	1	2	1	2	1	1	13
	17	Tuberculosis of other bones and joints	...	1	...	...	...	...	3	...	1	1	...	...	7
7	18	Tuberculosis of the Skin and Subcutaneous Cellular Tissue	...	...	...	...	...	1	...	...	...	...	...	...	1
	19	Tuberculosis of the Lymphatic System	...	...	...	...	...	1	1	...	...	...	...	...	2
	20	Tuberculosis of the Genito Urinary System	...	...	...	...	...	...	...	...	...	...	...	...	...
	21	Tuberculosis of other organs	...	1	...	...	1	...	...	...	...	...	1	...	2
	22	Disseminated Tuberculosis	...	2	2	1	...	1	3	2	1	...	...	2	15
K	23	Leprosy	5	5	3	8	7	8	6	10	5	5	7	5	74
36	24	Purulent Infection and Septicaemia	9	6	7	6	13	5	13	8	6	8	7	5	93
36	25	Gonococcal Infection	...	...	...	...	...	...	...	...	...	...	...	...	...
36	26	Other Bacterial Diseases (Dysentery excepted)	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Glanders	...	...	...	...	...	...	...	...	...	...	...	...	...
		(b) Tularaemia	...	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Other diseases included under 26	...	...	...	...	...	...	...	...	...	...	...	...	...
J	27	Dysentery	12	17	18	17	20	24	22	23	15	12	15	14	209
D	28(a)	Malaria	3	2	...	...	2	2	2	1	2	...	2	...	16
E	28(b)	Remittent Fever	3	...	...	4	3	...	...	...	...	2	...	...	12
C	29(a)	Kala Azar	...	...	...	1	...	...	...	...	...	...	1	...	2
36	29(b)	Other diseases due to parasitic Protozoa except Spirochaetes	...	...	...	...	...	...	...	...	...	...	...	...	...
8	30	Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Locomotor Ataxia (Tabis dorsalis)	...	1	...	1	...	...	...	...	...	...	...	...	2
		(b) General Paralysis of the Insane	...	...	...	...	...	1	...	...	...	...	...	...	1
		(c) Aneurysm of Aorta	5	2	2	4	3	4	5	4	5	7	5	5	51
		(D) Other forms of Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Congenital Syphilis	3	2	1	...	...	1	1	1	...	1	1	1	17
		(b, c, d.) Other or Unspecified Syphilis	...	...	...	...	1	1	1	2	...	...	...	...	7
F	31	Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
36	32	Other Diseases due to Spirochaetes	...	...	...	1	...	...	...	...	...	...	...	1	2
9	33	Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) With respiratory complications	...	...	...	1	...	...	1	2	...	...	...	...	4
		(b) Without respiratory complications	...	...	...	...	...	...	...	...	...	...	...	...	...
A	34	Small-pox	43	123	211	140	53	28	10	1	1	3	3	7	623
10	35	Measles	33	34	34	39	25	7	...	...	2	2	...	4	180
11	36:1	Acute Poliomyelitis	2	...	1	1	1	3	8	7	5	2	1	1	32
	36:2	Acute Polioencephalitis	...	...	...	...	1	...	2	1	...	...	...	...	5
12	37	Acute Infectious Encephalitis (Lethargic or Epidemic)	...	...	...	...	1	...	...	...	...	...	...	...	1
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)	3	7	7	2	1	3	...	1	...	...	...	1	25
		(f) Other diseases included under 38	...	...	...	...	...	...	...	...	...	...	...	...	...
36	39	Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...
36	40	Ankylostomiasis	...	...	...	1	...	...	...	...	...	1	...	...	2
36	41	Hydatid Diseases													
		(a) Hydatid disease of liver	...	...	...	...	...	...	...	...	...	...	...	...	...
		(b) Hydatid disease of other or Unspecified organs	...	...	...	...	...	...	...	...	...	...	...	...	...
36	42	Other diseases due to Helminths	3	...	...	1	2	1	2	1	...	1	1	2	12
36	43	Mycoses	...	...	...	...	...	...	...	...	1	...	...	...	1
36	44	Other Infective or Parasitic Diseases—													
		(a) Venereal diseases (other than syphilis and Gonorrhoea)	...	...	...	...	...	...	...	...	...	...	...	...	...
		(b) Pernicious lympho granulomatosis (Hodgkins diseases)	1	1	...	1	...	...	...	...	1	...	1	1	5
		(c) Mumps	...	...	...	...	...	...	...	...	...	...	...	...	...
		(d) Other diseases included under 44	1	...	...	...	...	...	...	...	...	...	...	...	1
<b>II.—Cancer and other Tumours.</b>															
	45*	Cancer of the Buccal Cavity and Pharynx													
		(a) Lips													
		Males	...	...	...	...	...	...	...	...	...	...	...	...	...
		Females	...	1	1	1	...	1	1	2	3	...	2	...	12
		(b) Tongue													
		Males	...	1	...	2	2	...	...	...	...	...	2	...	7
		Females	...	1	...	1	...	2	...	...	1	...	...	...	7
		(c) Other and Unspecified sites													
		Males	...	1	...	1	...	2	...	...	...	1	...	...	7
		Females	...	1	...	1	...	2	1	...	1	...	...	1	7
	46	Cancer of the digestive organs and peritoneum													
		* (a) Oesophagus													
		Males	8	7	1	1	8	4	10	1	1	1	4	8	54
		Females	...	3	3	1	4	1	2	3	1	...	4	3	25
		(b) Stomach and duodenum	5	7	3	3	2	1	12	8	1	7	4	6	59
14		(c) Intestines other than duodenum or rectum	...	2	3	6	2	1	1	3	1	3	3	...	25
16		(d) Rectum	1	1	3	1	4	2	2	1	2	3	1	2	23

\*Males are tabulated in short list No. 13 and females in No. 16 of detailed list Nos. 45, 46a.

TABLE 34—(Contd.)

## DEATHS BY CAUSES

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
Short List.	Detailed List.														
		<i>II.—Cancer and other Tumours—(Contd.)</i>													
		(e) Liver and biliary passages		2	3	1	2	3	2	3	1	5	1	3	26
		(f) Pancreas	1		2	1	2		1	1	3	2		2	13
		(g) Peritonium					1						1		6
16		(h) Other or Unspecified digestive organs								2					2
16	47	Cancer of the respiratory system													
		(a) Larynx and trachea	4	5	2	4	3	1	6	2	7	5		5	44
		(b) Bronchi, lung and pleural	5	4	6	2	4	5	3	1	5	3	5	9	52
		(c) Unspecified respiratory organs													
13	48	Cancer of the Uterus													
		(a) Cervix Uteri	3			2		1			2	1	1		10
		(b) Other Unspecified sites	2	3	4	3	1	1	4	2	3	1	5	4	33
16	49	Cancer of other female genital organs	1	2		2	1	2	2		1	1			12
15	50	Cancer of the breast	3	1	1	4	2	2	4	4		3	3		27
	51	Cancer of the male genital organs													
		(a) Scrotum													
		(b) Prostate		1	1	1	2					1	1		7
		(c) Other or unspecified male genital organs		1					2			1	1		5
	52	Cancer of the male and female urinary organs		1	1	2	3	1	1	2		4	1	1	17
	53	Cancer of the Skin (Scrotum excepted)	1					2		1		1	2		7
	54	Cancer of the brain and other parts of Nervous system													
		(a) Gloma (not specified as benign)					1	1							2
16		(c) Other or Unspecified forms included under 54		1			1						1		3
	55	Cancer of other or Unspecified organs													
		(b) Bones	1				1							1	3
		(c) Thyroid gland	1						1	1					3
		(d) Others included under 55	7	10	7	14	15	9	13	11	15	19	8	11	139
		<i>Tumours:—</i>													
	56	Non-malignant Tumours													
		(a) Ovaries													
		(c) Other female genital organs													
		(d) Brain and other parts of Nervous system	1	1	3	2		1	1	2					11
		(e) Other and Unspecified organs	2	1			1	1			2		1		8
	57	Tumours of Undetermined Nature													
		(c) Other female genital organs								1			1		2
		(d) Brain and other parts of Nervous system					1			2	1		1		6
		(e) Other and Unspecified organs								1				1	2
36		<i>III.—Rheumatism, Diseases of Nutrition and of the Endocrine Glands and other General Diseases.</i>													
	58	Rheumatic fever	1	1		2	3	1	1	1	3	3	1		17
	59.1	Rheumatoid Arthritis		1					3			1		1	6
	59.2	Other Chronic articular Rheumatism													
	59.3	Other forms of Chronic Rheumatism		1					1						2
	60	Gout										1			1
17	61	Diabetes Mellitus	3	7	7	6	3	8	17	7	5	1	7	5	76
36	62	Diseases of the Pituitary gland													
		(1) Hyperpituitarism													
		(3) Other diseases included under 62													
	63	Diseases of the Thyroid and parathyroid glands													
		(a) Simple Goitre				1		1	1	1					4
		(b) Exophtalmic Goitre													
		(c) Myxoedema Cretinism													
		(d) Other diseases of thyroid glands													
		(e) Diseases of the parathyroid glands													
	64	Diseases of the Thymus													
	65	Diseases of the adrenal glands (not specified as Tuberculosis)					1								1
	66	Other General diseases												1	1
		(b) Other Diseases included under 66													
		(1) Pink Disease											1		10
		(2) Idiopathic Steatorrhoea (Sprue etc.)	1		3		2		1		2		1		17
		(c) Other diseases included under 66(b)		1		1	1	4	1	2	1	3	3		17
	67	Scurvy													
	68	Beri-Beri													
	69	Pellagra													
	70	Rickets	191	165	182	146	120	159	188	204	161	114	115	105	1850
	71	Other Vitamin Deficiency Diseases									2				2
		<i>IV.—Diseases of the blood and blood forming Organs.</i>													
36	72	Haemorrhagic Conditions													
		(a) Primary Purpura	3	3		1		1				1		1	10
		(b) Haemophilia		1											1
	73	Anaemia													
		(a) Pernicious anaemia	2	1		1	1			1	2				8
		(b, c, d.) Other anaemias and chlorosis	285	232	258	233	213	201	251	240	228	222	176	182	2721
74(a)		Leukaemia	1	1	2	6	3	2	1	4	2	3	1	2	28
74(b)		Alukaemia													3
	75	Diseases of the Spleen			1	2									
	76	Other diseases of the Blood and Blood forming organs										2			2
		<i>V.—Chronic Poisoning and Intoxication.</i>													
	77	Alcoholism (Acute or chronic)													
		(b) Chronic Alcoholism													
		(c) Unspecified Alcoholism													
	78	Lead Poisoning													
		(a) Specified as occupational	1			1									3
		(b) Not specified as occupational	3	1				3	1	1	1				12

TABLE 34—(Contd.)

## DEATHS BY CAUSES.

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL	
Short List.	Detailed List.															
		<i>V. Chronic Poisoning and Intoxication—contd</i>														
36	79	Chronic poisoning by other mineral and organic substances	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(b) Poisoning by narcotic and Soporific drug	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(c) Other non-occupational chronic poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(d) Unspecified poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...	
		<i>VI.—Diseases of the nervous system and sense organs.</i>														
18	80	Encephalitis (non-epidemic)—	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(a) Intra Cranial abscess	...	...	1	3	...	1	...	1	...	...	2	...	9	
		(b) Other diseases included under 80	8	8	9	9	8	15	13	10	11	13	5	13	122	
	81	Meningitis (non-meningococcal)	17	14	9	12	9	10	12	13	11	10	12	6	135	
	82	Diseases of Medulla and Spinal cord	1	...	2	1	2	2	1	...	1	2	...	...	12	
	83		Intracranial Lesions of Vascular origin	...	...	...	...	...	...	...	...	...	...	...	...	...
			(a) Cerebral Haemorrhage	18	21	18	27	26	27	16	14	22	14	22	35	260
			(b) Cerebral Embolism and Thrombosis	2	5	7	7	5	8	6	8	6	10	4	11	79
			(c) Softening of Brain	...	2	...	...	...	...	2	...	...	...	...	...	4
		(d) Hemiplegia and other paralysis of unstated origin	3	3	3	4	4	8	6	16	9	10	9	6	81	
	84		(a) Other Intra-cranial effusions	...	...	...	1	...	...	1	...	...	...	...	1	3
			Mental Disorders and Deficiency	...	...	...	...	...	...	...	...	...	...	...	...	...
			(b) Syphilis (dementia proeox)	...	...	...	...	...	...	...	...	1	...	...	...	1
			(d) Other mental disorders included under 84	...	...	...	...	...	...	...	...	...	1	...	...	1
		(3) Mania	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(7) Other or Unspecified conditions included under (84)d	...	...	...	...	2	...	1	...	...	...	...	...	3	
	85	Epilepsy	...	1	2	2	4	...	...	3	2	1	1	3	19	
	86	Convulsions in children under 5 years of age	20	13	15	28	10	17	16	10	18	18	12	14	191	
36	87	Other Diseases of the Nervous System—														
		(a) Chorea	...	...	...	1	...	...	...	...	...	...	...	...	1	2
		(b) Neuritis (non-Rheumatic)	...	...	...	...	...	...	...	...	...	...	...	...	...	4
		(c) Paralysis agitans	...	2	...	1	...	...	...	...	...	...	...	...	...	3
		(d) Disseminated Sclerosis	...	1	1	...	...	1	...	...	...	...	...	...	...	...
		(e) Other diseases included under 87	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(1) Convulsions of undetermined origin (age 5 and over)	...	...	...	...	...	...	...	1	1	2	...	...	...	4
		(2) Other diseases included under 87(e)	...	...	...	...	1	...	...	2	...	1	...	...	...	5
		88	Diseases of the organs of Vision	...	...	...	...	...	...	...	...	...	...	...	...	...
		89		Diseases of the Ear and of the Mastoid Antrum—												
	(a) Otitis and other diseases of the Ear		...	...	...	...	...	...	...	...	1	1	...	...	2	
	(b) Diseases of the Mastoid Antrum	...	...	...	...	...	...	...	...	...	...	...	...	...		
		<i>VII.—Diseases of the Circulatory System.</i>														
19	90	Pericarditis	1	2	3	2	...	...	1	2	...	2	1	1	15	
	91	Acute Endocarditis	...	...	...	...	2	3	...	1	2	...	...	...	8	
	92abc		Chronic Affections of the valves and endocardium	...	...	...	...	...	...	...	...	...	...	...	...	
				4	10	8	9	8	11	6	4	12	9	9	8	98
	93a	Acute Myocarditis	2	...	...	7	2	...	...	...	...	...	...	...	11	
	93b	Chronic Myocarditis specified as Rheumatic	...	...	...	...	...	...	...	...	...	...	...	...	...	
	93c		(1) Cardio vascular degeneration	...	...	...	...	...	...	...	...	...	...	1	...	1
			(2) Myocardial degeneration described as Fatty	...	...	...	...	...	...	...	...	...	...	...	...	...
			(3) Other Myocardial degeneration	1	3	2	8	3	5	1	3	3	1	3	4	37
	93d	Myocarditis (not distinguished as acute or chronic)	...	1	...	2	3	7	2	5	4	5	4	2	35	
	94	Diseases of the Coronary Arteries, Angina Pectoris	57	59	75	52	60	48	57	62	64	79	71	62	746	
	95		Other Diseases of the Heart—													
			(a) Functional heart disease (without mention of organic lesion)	3	...	2	...	2	...	1	2	2	1	2	...	15
			(b) Heart Disease specified as Rheumatic but otherwise ill defined	1	...	...	...	1	1	1	...	5	8	6	...	4
		(c) Other diseases included under 95	11	5	7	4	7	3	7	4	5	8	6	4	71	
96	Aneurysm (except of Heart and Aorta)	...	...	...	...	...	...	...	...	...	...	...	...	...		
97	Arterio Sclerosis (excluding Coronary or Renal Sclerosis or Cerebral Haemorrhage)	1	...	...	1	2	1	2	...	2	2	1	...	12		
98	Gangrene	2	1	...	1	...	2	3	1	1	2	1	1	15		
99		Other Diseases of the arteries	...	...	...	...	...	1	2	...	2	...	...	...	5	
	100	Diseases of the Veins—														
	(a) Varices	...	...	...	...	...	...	...	...	...	...	...	...	...		
	(b) Other diseases of the Veins	...	1	...	...	...	...	2	...	...	...	...	...	3		
101	Diseases of the Lymphatic system	...	...	...	...	...	...	1	...	...	...	...	...	1		
102	High Blood Pressure (Idiopathic)	10	7	11	15	9	10	15	5	7	5	5	7	106		
103	Other Diseases of the Circulatory system	2	2	5	1	3	5	1	...	1	2	...	4	26		
		<i>VIII.—Diseases of the Respiratory System.</i>														
23	104	Diseases of the Nasal Fossae and Annexa...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	105	Diseases of the Larynx	...	...	...	...	...	...	3	...	1	1	...	1	7	
21	106A	Acute Bronchitis	1	3	...	3	...	...	2	...	1	1	1	2	14	
	106B	Chronic Bronchitis	11	5	6	6	3	1	7	8	7	5	1	9	69	
	106C	Bronchitis (not distinguished as acute or chronic)	5	7	3	1	3	7	4	2	5	8	5	1	51	
22	107	Broncho Pneumonia	368	325	408	335	301	311	395	305	248	189	206	219	3,610	
	108	Lobar Pneumonia	11	14	14	12	10	14	13	8	9	7	7	7	126	
	109	Pneumonia (Unspecified)	272	253	262	238	230	205	212	171	137	129	146	147	2,402	



TABLE 34—(Contd.)

## DEATHS BY CAUSES.

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL
Short List.	Detailed List.														
		<i>XI.—Diseases of Pregnancy, Child-birth and the Puerperal State.—Contd.</i>													
30	146	Haemorrhage of child birth and Puerperium	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Placenta Praevia (with child-birth) ...	...	...	...	...	...	...	...	...	...	...	...	...	1
		(b) Premature separation of Placenta (with child birth).	1	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Other Haemorrhages of child birth ...	...	...	1	...	...	...	1	...	2	...	1	3	8
29	147	(d) Other Haemorrhages after child birth	...	...	1	...	...	...	...	...	...	...	...	...	...
		Infection during child birth and the Puerperium	...	1	1	1	1	1	1	...	2	1	...	...	9
	148	Puerperal Toxaemia—	...	1	...	...	...	...	...	...	...	...	...	...	1
		(a) Puerperal eclampsia	...	...	...	...	...	...	...	...	...	...	...	1	1
		(b) Puerperal Albuminuria and Nephritis	...	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Acute yellow atrophy of liver (Post-Partum)	...	...	1	...	...	...	...	...	...	...	...	...	1
30	149	Other accidents of child birth	1	1	...	4	3	...	2	1	1	...	1	2	16
	150	Other or Unspecified conditions of child birth and Puerperal state	...	...	...	...	...	...	...	...	...	1	...	1	2
		<i>XII.—Diseases of the Skin and Cellular Tissue</i>													
	151	Carbuncle, Boils	...	...	...	...	...	...	...	...	...	...	...	...	...
	152	Cellulitis, Acute Abscess	...	2	2	...	1	1	...	...	...	...	1	...	7
	153	Other Diseases of the Skin and Cellular Tissues	4	2	...	1	2	2	...	2	...	2	1	1	17
36		<i>XIII.—Diseases of the Bones and Organs of Movements</i>													
	154	Osteomyelitis and Periostitis	...	...	1	...	...	1	...	...	...	...	1	...	3
	155	Other diseases of the bones	...	...	...	...	2	1	...	...	...	...	...	...	3
	156	Diseases of the joints and other organs of movements	...	...	...	1	...	...	...	...	...	...	...	...	1
32	157	<i>XIV.—Congenital Malformation</i> Congenital Malformations	7	8	4	7	8	9	6	7	8	7	5	12	88
		<i>XV.—Diseases peculiar to the First Year of Life</i>													
32	158	Congenital Debility	152	134	185	184	134	150	190	205	206	165	145	154	2,004
31	159	Premature Birth	122	121	103	108	116	125	156	161	174	149	142	129	1,606
	160	Injury at Birth	5	8	14	1	3	3	8	10	8	5	7	4	76
	161	Other diseases peculiar to the first year of life—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Asphyxia during or after birth, Atelectasis.	14	18	19	13	20	21	22	24	20	28	19	21	239
32		(b) Intoxication due to maternal toxaemia, Antenatal toxaemia.	...	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Infections of the New born	4	...	9	4	2	2	4	10	4	4	6	6	55
		(1) Infections of the Umbilicus	...	...	1	...	...	...	...	...	...	...	...	...	1
		(2) Pemphigus neonatorum	...	...	...	1	...	...	...	...	...	...	...	...	1
		(3) Other or unspecified infections included under 161 (c).	...	...	...	...	...	...	...	1	...	...	...	...	1
		(d) Other specified disease, included under 161	1	...	1	...	...	...	...	...	1	2	2	1	8
		<i>XVI.—Senility, Old age</i>													
	162A	Old age	...	...	...	...	...	...	...	...	...	...	...	...	...
	162B	Senility with mention of senile dementia	...	...	...	...	...	...	...	...	...	...	...	...	...
	162C	Senility without mention of senile dementia	307	258	293	260	261	198	250	310	251	273	253	274	3,188
		<i>XVII.—Deaths from Violence Suicide (163-164)</i>													
	163	Suicide by Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Suicide by solid or liquid toxic or corrosive substances.	...	...	...	...	...	...	...	...	1	...	...	...	1
		(1) By Corrosive substances	...	...	...	...	...	...	...	...	...	...	...	...	...
		(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	2	3	2	...	2	...	1	2	1	1	2	1	17
		(b) Suicide by drowning	...	...	...	...	...	...	...	...	...	...	1	...	1
		(c) Suicide by fire arms and explosives	...	...	...	...	...	...	...	...	...	...	...	...	...
		(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.	...	...	...	...	...	...	...	...	...	...	...	...	...
		<i>Homicide (165-168)</i>													
	165	Infanticide (Infants under 1 year)	1	2	4	2	2	...	...	1	...	...	1	...	13
	166	Homicide by Firearms	...	...	...	...	...	...	...	...	...	...	1	...	1
35	167	Homicide by cutting or piercing instruments	7	4	4	4	8	5	12	7	6	4	5	7	73
	168	Homicide by other or Unspecified means	...	...	...	...	...	...	...	...	...	1	...	1	2

TABLE 34—(Contd.)  
DEATHS BY CAUSES.

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL
Short List	Detailed List														
		<i>Homicide</i>													
35	169	Accidental Deaths (or deaths not known to be due to suicide or Homicide (169-195), and other violent deaths (196-198). . . . .	—	—	—	—	—	—	—	1	3	—	—	—	4
34	170	Railway accidents (any cause of death except war.) . . . . .	21	19	18	12	26	32	27	14	18	18	21	21	247
		Motor Vehicle Accidents (any cause of death except war.) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Collisions with train . . . . .	—	—	—	—	—	—	—	—	1	—	—	—	1
		(b) Collisions with tram . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(c) Other accidents included under 170 . . . . .	11	8	9	9	13	13	14	12	16	24	10	19	158
	171	Other Road Transport Accidents (any cause of death except war). . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Tramway accidents on roads . . . . .	—	—	—	—	—	—	—	2	—	—	—	—	4
		(b) Other accidents included under 171 . . . . .	—	1	—	1	—	—	—	—	1	1	1	1	6
	172	Water Transport accidents (any cause of death except war) . . . . .	—	—	—	—	—	—	—	—	—	—	—	1	1
	173	Air Transport Accidents (any cause of death except war) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	174	Accident in mines and quarries (any cause of death except war) . . . . .	—	—	—	2	—	—	—	—	—	—	—	—	2
	176	Accidents caused by Machinery (any cause of death). . . . .	—	—	—	—	—	—	—	—	—	—	1	—	1
	177	Food Poisoning . . . . .	—	—	—	—	1	—	—	—	—	—	—	—	1
35	178	Accidental Absorption of Poisonous gas—	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Carbon Monoxide . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(d) Accidental absorption of any other respirable or poisonous gas included in 178 . . . . .	1	—	3	—	—	—	—	—	—	—	—	—	4
	179	Other acute Accidental poisoning (not by gas). . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Salvarsan and other organic preparations of arsenic. . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(b) Other acute accidental poisoning not by gas included in 179. . . . .	9	3	7	13	9	9	3	7	8	7	1	2	78
	180	Conflagration . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	181	Accidental Burns (conflagration excepted) . . . . .	25	24	12	23	17	11	14	13	17	25	17	29	227
	182	Accidental Mechanical Suffocation . . . . .	—	1	2	2	—	—	1	—	—	—	—	—	6
	183	Accidental drowning . . . . .	2	2	5	4	13	11	8	14	8	3	9	6	85
	184	Accidental Injury by Firearms . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	2
	185	Accidental Injury by cutting or piercing instruments . . . . .	—	—	1	—	—	—	—	—	—	—	—	—	1
	186	Accidental Injury by fall, crushing, land slides, etc. . . . .	18	38	19	24	31	24	20	21	27	32	18	22	294
	187	Cataclysm (any cause of death) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	188	Injury by animals (Poisoning by Venomous animals excepted) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	189	Hunger or Thirst . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	191	Excessive Heat . . . . .	—	—	—	—	1	—	—	—	—	—	—	—	1
	193	Other Accidents due to Electric Currents . . . . .	—	—	2	1	—	3	1	4	2	2	1	—	16
	194	Attack by Venomous Animals—	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Hydrophobia . . . . .	5	2	3	2	1	2	2	—	5	1	1	1	25
		(b) Snake Bites . . . . .	1	1	—	—	—	—	—	—	1	—	1	—	4
		(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 . . . . .	—	—	—	1	—	—	—	—	—	—	—	—	1
		(b) Other accidents due to medical or surgical intervention—	—	—	—	—	—	—	—	—	—	—	—	—	—
		(1) Anaesthetic accidents . . . . .	—	—	—	—	—	1	—	—	—	—	—	—	1
		(2) Other accidents included under 195 (b) . . . . .	1	—	—	1	1	—	—	—	—	—	—	—	3
		(c) Lack of care of the New born . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(d) Other and Unspecified accidents under 195. . . . .	4	8	19	12	10	10	4	12	8	6	13	3	109
	197	Deaths civilians due to operations of war—	—	—	—	—	—	—	—	—	—	—	—	—	—
		(c) From other or unspecified causes . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
	198	Legal Executions . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		<i>XVIII.—ILL-Defined causes of Deaths</i>													
	199	Sudden Death . . . . .	—	—	—	—	1	—	—	—	—	—	—	—	1
36	200	Causes of Death unstated or Ill-defined . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
		(a) Ill-defined Causes—	—	—	—	—	—	—	—	—	—	—	—	—	—
		(1) Heart failure . . . . .	79	87	80	108	55	91	93	83	88	112	97	104	1,077
		(2) Other ill-defined causes . . . . .	58	62	74	74	56	54	82	79	67	57	48	36	747
		(b) Found, dead, Cause unknown . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	1
		(c) Other deaths from Unknown or Unspecified cause . . . . .	4	8	11	10	9	4	7	3	5	7	8	8	84
	200-2(a)	Fever not defined . . . . .	8	11	19	10	14	12	20	15	7	13	17	11	157
		<b>Total</b> . . . . .	2,892	2,725	3,130	2,904	2,608	2,508	2,876	2,800	2,563	2,470	2,231	2,301	32,008

TABLE 36  
DEATHS BY SECTIONS AND AGE-PERIOD

1 Name of Sections.	2 Under 1 year.	3 1 to 5 years.	4 5 to 10 years.	5 10 to 15 years.	6 15 to 20 years.	7 20 to 30 years.	8 30 to 40 years.	9 40 to 50 years.	10 50 to 60 years.	11 60 years and above.	12 Age un-specified.	13 TOTAL DEATHS			14 No. of deaths among males to 100 deaths among females.	15 Ratio of deaths per 1,000 of population.	
												Males.	Females.	Persons.		1951	Mean during the previous 5 years.
Upper Colaba	16	4	...	2	2	1	5	4	1	7	...	21	21	42	100	3.1	3.7
Middle and Lower Colaba	164	84	13	12	4	48	35	36	58	114	...	327	241	568	135	14.5	15.4
Fort Southern	9	...	3	1	2	6	2	7	8	9	...	37	10	47	370	2.8	4.9
Fort Northern	102	62	15	5	16	35	48	39	56	115	...	321	172	493	186	13.5	17.9
Esplanade	99	49	9	6	16	53	65	47	71	109	...	331	193	524	171	12.5	19.2
Mandvi	105	61	15	8	8	36	26	41	44	78	...	244	178	422	137	11.6	15.9
Chakla	62	34	10	5	11	20	17	29	30	56	...	168	106	274	158	9.3	13.2
Umarkhadi	163	91	21	9	12	54	44	51	80	174	...	368	331	699	111	8.7	14.9
Dongri	177	90	8	9	18	34	60	66	60	163	...	394	291	685	135	21.0	22.2
Khara Talao	117	48	8	6	14	38	21	37	41	82	...	219	193	412	113	12.8	15.4
Kumbharwada	126	93	28	7	11	34	30	34	49	105	...	291	226	517	128	11.6	17.2
Bhuleswar	179	123	14	13	13	44	46	58	73	163	...	442	284	726	155	12.3	18.5
Market	113	47	12	7	8	28	27	51	51	102	...	278	168	446	165	8.1	12.7
Dhobi Talao	190	118	32	9	13	49	58	75	83	246	...	468	405	873	115	12.5	15.7
Fanaswadi	137	81	12	3	19	32	45	35	62	164	...	329	261	590	126	10.4	14.4
Khetwadi	210	112	27	11	24	66	58	80	105	213	...	502	404	906	124	12.9	15.6
Tardeo	183	134	24	13	10	41	57	39	54	109	...	372	292	664	127	12.9	18.2
Girgaum	161	95	25	8	17	56	47	72	72	230	...	443	340	783	130	11.2	13.3
Choupati	42	19	4	3	1	16	8	23	20	75	...	113	98	211	115	6.3	10.4
Walkeshwar	84	47	9	6	7	16	27	26	37	104	...	202	161	363	125	9.2	10.6
Mahalakshmi	222	149	34	11	23	51	54	76	79	323	...	549	473	1,022	116	16.7	18.7
Mazagaon	265	189	23	14	19	75	56	71	78	167	...	539	418	957	128	17.6	20.5
Tarwadi	219	155	17	9	11	67	31	37	67	139	...	388	364	752	106	12.7	15.3
1st Nagpada	94	69	11	9	10	28	10	27	23	50	...	183	148	331	123	16.0	21.3
2nd Nagpada	282	133	24	29	60	246	287	274	260	322	...	1,371	546	1,917	251	48.7	53.7
Kamathipura	444	187	29	11	21	97	38	62	71	164	...	593	531	1,124	111	19.6	24.3
Byculla	643	390	82	28	41	193	174	154	151	397	...	1,240	1,003	2,243	123	15.4	19.7
Parol	479	270	50	23	34	131	136	106	138	247	...	925	689	1,614	134	14.5	20.1
Sewri	377	277	34	13	18	68	73	39	63	147	...	553	556	1,109	99	17.6	20.6
Naigaum	366	245	41	14	17	64	82	95	80	171	...	661	514	1,175	128	11.1	15.2
Matunga	84	57	11	7	11	31	34	38	48	138	...	252	207	459	121	8.6	11.1
Sion	411	306	56	17	22	77	77	58	96	179	...	723	576	1,299	125	16.8	26.7
Dadar	567	492	67	19	25	114	91	80	104	271	...	996	834	1,830	119	13.0	17.7
Mahim	243	159	25	15	14	57	68	89	104	244	...	559	459	1,018	121	15.9	19.4
Parbhadevi	467	423	51	26	19	117	95	91	108	239	...	909	727	1,636	125	20.1	22.3
Worli	487	470	77	20	24	118	86	78	102	209	...	860	811	1,671	106	16.9	20.4
Chinchpokli	432	389	34	24	27	112	106	85	97	247	...	862	691	1,553	124	10.4	14.2
Love Grove	13	14	2	...	1	...	4	6	6	5	...	28	23	51	121	4.9	11.7
Harbour, Docks, etc.	...	...	...	...	...	...	...	1	...	1	...	2	...	2	...	...	0.1
Total	8,534	5,766	957	432	623	2,343	2,228	2,317	2,730	6,078	...	18,063	13,945	32,008	...	13.8	...
Average of five years 1949-53	9,478	6,051	1,263	597	878	3,158	2,714	2,546	2,823	5,757	...	—	—	35,265	—	—	—

TABLE 37

## DEATHS BY SECTIONS AND MONTHS

Name of Section.	MONTHS.												Total.
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Upper Colaba ...	3	2	...	6	2	4	2	1	7	3	1	11	42
Middle and Lower Colaba.	48	31	52	42	47	35	45	64	53	53	56	43	568
Fort Southern ...	2	2	4	11	6	2	4	2	2	5	3	4	47
Fort Northern ...	31	44	36	44	43	47	41	52	41	36	42	36	493
Esplanade ...	28	36	53	43	44	40	63	53	48	56	26	34	524
Mandvi ...	24	25	39	49	22	34	42	48	34	31	37	37	422
Chakla ...	22	22	26	25	28	18	30	16	24	27	18	18	274
Umarkhadi ...	74	58	56	59	52	56	57	68	52	57	55	55	699
Dongri ...	68	48	55	70	53	54	72	42	66	47	41	69	685
Khara Talao ...	43	36	47	33	34	29	44	35	46	14	21	30	412
Kumbharwada ...	46	40	50	42	42	40	46	31	45	46	44	45	517
Bhuleshwar ...	75	48	81	65	61	51	60	58	60	60	58	49	726
Market ...	25	32	47	43	41	34	64	30	30	32	39	29	446
Dhobi Talao ...	87	70	86	68	73	78	59	78	70	83	60	61	873
Fanaswadi ...	55	45	57	46	41	52	57	50	48	40	48	51	590
Khetwadi ...	84	80	68	83	80	70	77	67	67	84	74	72	906
Tardeo ...	68	50	63	66	63	48	54	49	45	64	45	49	664
Girgaum ...	66	53	69	62	64	64	70	71	72	60	66	66	783
Chaupati ...	16	23	20	18	21	24	23	9	10	20	12	15	211
Walkeshwar ...	40	25	31	47	22	26	28	33	32	20	34	25	363
Mahalaxmi ...	69	69	97	83	91	79	107	94	96	81	80	76	1,022
Mazgaon ...	58	81	97	107	84	79	82	90	74	72	60	73	957
Tarwadi ...	78	73	89	72	63	57	52	61	69	60	30	48	752
1st Nagpada ...	32	36	42	25	20	37	21	28	33	21	14	22	331
2nd Nagpada ...	179	195	177	181	146	124	162	171	161	160	134	127	1,917
Kamathipura ...	86	106	96	97	101	83	100	98	91	88	93	85	1,124
Byculla ...	226	230	237	199	176	174	180	192	159	163	166	141	2,243
Parel ...	157	144	160	157	125	121	145	131	141	124	89	120	1,614
Sewri ...	99	103	118	107	90	95	91	82	98	81	69	76	1,109
Naigaum ...	103	109	127	113	96	93	97	106	76	81	75	99	1,175
Matunga ...	39	41	33	32	42	33	41	48	32	46	40	32	459
Sion ...	101	123	126	128	123	106	129	109	82	96	89	87	1,299
Dadar ...	155	163	158	157	155	156	156	161	153	144	149	123	1,830
Mahim ...	94	82	105	86	67	86	102	95	76	85	6	77	1,018
Parbhadevi ...	168	145	181	166	125	128	149	166	114	103	90	101	1,636
Worli ...	163	117	164	130	140	125	201	159	131	125	110	106	1,671
Chinchpokli ...	174	133	177	140	121	122	119	145	121	100	94	107	1,553
Love Grove ...	6	5	6	1	4	4	4	7	4	2	6	2	51
Harbour, Docks etc. ...	...	...	...	1	...	...	...	...	...	1	...	...	2
<b>TOTAL</b> ...	<b>2,892</b>	<b>2,725</b>	<b>3,130</b>	<b>2,904</b>	<b>2,608</b>	<b>2,508</b>	<b>2,876</b>	<b>2,800</b>	<b>2,563</b>	<b>2,470</b>	<b>2,231</b>	<b>2,301</b>	<b>32,008</b>



TABLE  
DEATHS BY

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 (46a)	Cancer of breast (50)	Cancer of all other sites (45-46A females, 46-b, 47, 49, 51-55)	Diabetes (61)	Intra-Cranial Vascular Lesions (63)	Heart Disease (90-95)	Other diseases of circulatory System (96-105)	Bronchitis (106)	Pneumonia (107-109)	Other Respiratory diseases (104, 105, 110-114)
Upper Colaba ...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	2	1	2	...	...	1	4	1	
Middle & Lower Colaba	2	...	...	...	2	26	12	1	...	...	1	...	1	1	3	...	9	1	16	34	4	4	141	20
Fort, Southern...	1	...	...	...	4	2	...	...	...	...	...	...	...	...	...	2	...	4	2	3	...	3	3	
Fort, Northern...	21	1	...	...	3	20	24	5	...	...	...	1	...	4	...	7	...	10	37	6	2	78	13	
Esplanade ...	7	...	...	...	1	67	13	1	1	2	...	...	2	2	1	2	12	5	6	37	5	1	76	14
Mandvi ...	4	...	...	1	1	28	10	1	...	...	1	...	1	...	1	2	10	...	4	18	2	2	68	28
Chukla ...	2	...	...	...	...	28	6	...	...	1	...	...	2	...	1	...	10	...	3	23	1	1	46	15
Umarchadi ...	8	...	...	...	1	36	11	2	...	...	3	...	2	...	2	1	13	...	11	29	7	1	122	28
Dongri ...	2	...	...	...	4	50	14	2	...	1	3	...	2	...	1	...	10	4	9	25	7	2	117	17
Khara Taleo ...	...	...	...	...	1	32	13	...	...	4	1	...	2	...	1	...	5	2	7	18	...	1	103	8
Bhuleshwar ...	2	...	...	...	2	18	20	1	...	14	...	...	2	...	1	1	9	...	5	17	3	5	120	24
Kumbharwada ...	3	...	...	...	1	35	22	...	...	3	1	1	6	1	...	11	3	8	36	3	4	179	41	
Market ...	5	...	...	...	2	18	9	...	...	2	...	...	3	1	1	...	14	1	5	27	6	6	70	18
Dhobi Taleo ...	12	...	...	1	1	49	20	3	...	5	...	...	3	2	1	2	10	4	23	48	6	11	166	34
Fanaswadi ...	7	...	...	...	3	31	11	...	...	4	1	...	2	2	5	1	16	1	20	24	5	2	97	27
Khetwadi ...	7	2	...	3	2	47	24	3	1	6	2	...	2	3	1	...	29	8	21	41	8	9	125	52
Tardeo ...	...	...	...	...	2	21	14	1	...	6	...	...	2	2	1	1	4	1	8	23	5	3	163	11
Girgaum ...	10	...	...	...	1	35	15	2	...	2	2	...	5	2	7	4	17	2	15	38	7	7	105	38
Chaupati ...	1	...	...	...	...	5	2	1	...	1	...	...	...	1	1	...	3	1	8	20	1	...	25	5
Walkeshwar ...	2	...	...	...	...	12	5	2	...	3	1	...	3	1	1	1	4	2	20	22	3	1	41	13
Mahalakshmi ...	3	...	...	...	3	34	18	1	...	4	5	...	2	2	4	1	23	8	23	73	7	9	147	44
Mazagaon ...	11	...	...	1	5	33	19	4	...	5	...	...	1	1	...	...	11	1	8	31	2	2	298	4
Tarwadi ...	7	...	...	...	2	14	18	2	...	1	2	...	2	...	1	...	9	1	10	25	1	1	256	15
1st Nagpada ...	2	...	...	...	2	9	9	...	...	2	...	...	1	...	...	...	6	...	2	8	1	2	92	3
2nd Nagpada ...	6	...	...	...	5	435	33	12	...	1	1	...	1	2	...	...	16	2	18	43	6	9	144	20
Kamathipura ...	8	...	...	1	5	49	24	8	1	7	2	...	2	2	...	1	1	6	20	4	7	233	7	
Byculla ...	21	...	...	...	25	80	46	3	...	9	2	...	1	...	2	...	27	2	22	44	6	5	474	50
Parel ...	11	...	...	...	9	33	56	5	...	23	3	...	7	6	6	1	35	5	16	29	15	4	278	34
Sewri ...	4	...	...	...	3	23	20	...	...	12	...	...	...	...	...	3	...	7	7	3	2	313	11	
Naigaum ...	5	...	...	...	4	51	24	4	...	14	...	...	2	...	2	2	17	2	8	27	5	3	299	18
Matunga ...	3	...	...	...	3	14	6	...	...	2	...	...	3	...	2	1	17	4	17	45	10	3	54	12
Sion ...	4	1	...	...	9	33	19	1	...	12	1	...	2	3	3	1	11	1	12	20	5	6	320	17
Dadar ...	18	...	...	...	10	38	27	1	...	3	...	...	1	2	...	1	17	6	13	27	8	5	330	35
Mahim ...	6	...	...	...	4	28	15	1	1	1	2	...	4	3	3	2	10	2	23	40	6	7	141	21
Parbhadevi ...	7	...	...	1	7	29	24	4	...	7	2	...	2	1	1	...	7	2	15	33	3	3	292	36
Worli ...	8	...	...	...	11	21	32	3	...	8	1	...	...	1	2	1	9	1	10	28	2	...	327	30
Chinchpokli ...	12	...	...	1	6	35	23	3	...	15	...	...	1	2	...	1	11	2	12	20	2	3	281	22
Love Grove Harbour, Docks etc.	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	10	2
Tota l ...	232	4	...	9	140	1524	660	78	4	180	37	1	73	43	59	27	428	76	427	1041	168	134	6,138	791
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 AND CAUSES

24	25	26	27	28	29	30	31	32	33	34	35	36														
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 accidents (170-171)	Other Violent Causes (165-169, 172-198)	OTHER DEFINED DISEASES													Still-born.	TOTAL
												A	B	C	D	E	F	G	H	J	K	L	M			
												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)	Leptosy (23)	Scallity and old age (162)	All other causes			
...	...	...	3	2	...	...	9	3	...	...	2	...	...	...	...	...	...	...	...	...	...	4	5	5	42	
2	24	...	8	6	...	...	38	35	3	...	29	2	...	...	...	...	...	2	...	...	36	105	54	568		
...	1	...	2	...	...	...	3	1	...	...	6	2	...	...	...	...	...	...	...	...	2	6	9	47		
2	18	...	25	2	...	...	29	20	...	1	32	1	...	...	1	...	3	...	5	...	29	93	63	493		
...	13	3	18	4	1	...	34	22	...	3	19	3	...	...	1	...	2	...	5	...	28	113	69	524		
1	26	...	9	4	...	2	25	17	...	5	11	2	...	...	2	...	3	...	4	...	38	84	36	422		
...	18	...	8	2	...	...	14	11	1	2	4	2	...	...	...	...	1	...	5	...	13	49	38	274		
...	25	1	16	5	...	...	26	55	...	2	25	3	...	...	...	...	1	...	8	...	93	162	46	699		
...	25	...	20	3	1	3	28	56	...	8	23	3	...	...	...	...	2	...	5	...	78	160	77	685		
1	17	...	8	8	...	1	21	12	...	2	6	4	...	...	...	...	1	...	1	1	16	115	28	412		
...	12	...	15	4	1	...	20	30	...	2	15	5	...	...	...	...	2	...	3	...	57	107	60	517		
...	31	...	19	7	...	4	35	32	1	5	19	4	...	...	1	...	4	...	11	1	49	144	51	726		
1	28	1	19	7	...	...	19	22	...	5	21	5	...	...	1	...	5	...	2	...	37	85	45	446		
...	40	1	17	15	...	3	35	56	1	6	36	7	...	...	...	1	...	4	...	9	93	148	84	873		
...	18	...	27	9	...	...	28	39	...	5	16	6	...	...	...	...	2	...	7	...	68	106	60	590		
1	29	1	33	3	1	2	39	45	...	3	26	14	...	...	...	1	...	8	...	4	1	74	225	79	906	
...	19	...	13	8	...	1	32	40	...	3	19	12	...	...	1	...	1	...	4	...	67	176	51	664		
2	30	...	30	17	...	3	31	34	...	4	32	10	...	...	...	1	...	10	...	8	...	71	186	77	783	
...	10	1	9	6	...	...	10	13	...	1	11	1	...	...	...	...	2	...	1	...	18	53	33	211		
1	17	...	12	6	1	1	20	29	2	2	13	4	...	...	...	...	2	...	3	...	26	87	34	363		
2	27	1	28	16	...	...	61	72	...	5	31	10	...	...	...	3	...	3	...	10	...	79	263	95	1,022	
4	29	...	14	5	...	1	40	67	2	9	31	11	...	...	1	...	...	1	...	7	...	84	214	104	957	
1	21	...	5	4	...	3	41	37	...	1	22	18	...	...	...	...	3	...	3	...	42	184	70	752		
...	6	...	7	1	...	1	15	22	...	2	8	3	...	...	1	...	...	...	3	...	37	86	36	331		
5	45	...	32	11	...	1	78	62	2	26	319	9	...	1	...	...	5	...	13	27	180	347	81	1,917		
1	111	...	20	2	...	...	55	118	...	5	21	8	...	...	...	...	14	...	7	...	117	256	81	1,124		
...	134	1	42	5	1	6	110	151	1	15	47	88	...	...	2	...	...	11	...	12	...	286	512	203	2,243	
1	50	2	31	6	2	7	92	131	2	5	62	102	...	...	...	...	7	...	8	...	198	332	179	1,614		
3	25	...	18	3	...	2	51	133	1	6	28	80	...	...	...	...	3	...	8	...	129	211	110	1,109		
...	34	1	10	10	...	...	62	120	...	5	25	40	...	...	1	...	...	8	...	2	...	130	240	114	1,175	
1	13	...	18	11	1	2	22	10	...	...	21	2	...	...	...	...	3	...	2	5	30	122	56	459		
2	72	...	30	6	...	1	69	141	1	7	34	17	...	...	...	...	16	...	13	39	104	266	119	1,299		
2	128	1	22	9	2	2	111	222	2	5	46	20	...	...	2	1	...	15	...	11	...	170	517	126	1,830	
2	48	2	19	6	...	2	51	92	...	4	28	9	...	...	...	...	2	...	6	...	120	307	107	1,018		
1	65	...	17	5	...	3	69	193	...	8	43	53	...	...	...	1	...	5	...	7	...	192	498	141	1,636	
2	108	1	21	5	1	2	108	156	...	4	43	25	...	1	2	3	...	6	...	5	...	178	505	206	1,671	
1	69	...	21	5	...	3	74	165	...	4	25	38	...	...	...	...	2	...	5	...	210	479	134	1,553		
...	6	...	...	1	...	...	1	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	2	51	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2
39	1392	17	666	229	12	56	1606	2473	19	170	1206	623	...	2	16	12	...	157	...	209	74	3188	7,568	2,963	32,008	

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 39

INFANT MORTALITY—  
BOMBAY BORN AND OUT BORN CHILDREN

	Born in Bombay.		Born out of Bombay.	Deaths under 1 year of age.
	Births Registered.			
	Before death.	After death.		
Total	5,017	1,404	2,113	8,534
Percentage	58.8	16.4	24.8	100.0

TABLE 40

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM (1949-54)

Cause of Death.	1949.	1950.	1951.	1952.	1953.	Annual Average 1949 to 1953. (a)	1954. (b)	Difference between (a) and (b)
Poliomyelitis	11	8	4	3	7	7	8	+ 1
Small-pox	83	36	44	22	33	44	160	+ 116
Measles	60	29	48	14	32	36	59	+ 23
Malarial Fever	2	1	4	2	...	2	1	- 1
Ague and Remittent Fever and Fever not defined.	137	49	90	81	88	89	69	- 20
Diarrhoea and Enteritis	493	493	556	614	611	553	659	+ 106
Dysentery	101	35	39	45	51	54	26	- 28
Infantile Debility & Malformation including Premature Birth.	5,390	5,073	5,279	4,843	4,439	5,005	4,009	- 996
Diseases of the Respiratory system.	2,659	2,370	2,489	2,549	2,680	2,549	2,545	- 4
Convulsions	191	246	227	221	172	211	122	- 89
All Causes	10,120	9,191	9,746	9,335	9,000	9,478	8,534	- 944

TABLE 41

DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES BY AGE-PERIODS

Age period	Small-pox.	Measles.	Malarial fever.	Ague and Remittent Fever and fever not defined.	Diarrhoea and Enteritis.	Dysentery.	Infantile Debility Malformation and premature birth.	Diseases of Respiratory system.	Convulsions.	Poliomyelitis.	All causes.	Percentage to the total infant deaths.
Under 7 days.	1	...	...	6	14	...	2,298	50	62	...	2,571	30.1
1 to 4 weeks	4	...	...	23	155	1	946	145	21	...	1,382	16.2
Total under 4 weeks.	5	...	...	29	169	1	3,244	195	83	...	3,953	46.3
4 weeks to 6 months.	77	25	...	20	259	8	600	1,017	31	2	2,241	26.3
6 to 12 months	78	34	1	20	231	17	165	1,333	8	6	2,340	27.4
Total	160	59	1	69	659	26	4,009	2,545	122	8	8,534	100.0

TABLE 42

INFANT DEATHS FROM PRINCIPAL CAUSES BY AGE-GROUPS, EXPRESSED AS PERCENTAGES OF THE TOTAL INFANT DEATHS.

Age-Period.	Small-pox.	Measles.	Malarial 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	0.2	0.5	0.0	89.4	1.9	2.4	0.0	5.6	100.0
1 to 4 weeks ...	0.3	0.0	0.0	1.7	11.2	0.1	68.4	10.5	1.5	0.0	6.3	100.0
4 weeks to 6 months.	3.4	1.1	0.0	0.9	11.5	0.3	26.8	45.4	1.4	0.1	9.1	100.0
6 to 12 months.	3.3	1.4	0.0	0.8	9.9	0.7	7.0	57.0	0.3	0.3	19.3	100.0
Total percent-age for all ages upto 1 year.	1.9	0.7	0.0	0.8	7.7	0.3	47.0	29.8	1.4	0.1	10.3	100.0

TABLE 43.

NEONATAL DEATH RATES.

Year.	Births.	Neonatal Deaths.	Rate.
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	4,460	73.6
1951	65,679	4,626	70.4
1952	66,125	4,417	66.8
1953	62,726	4,055	64.6
1954	63,072	3,953	62.7

TABLE 44  
INFANT DEATHS AND OTHER DEATHS.

Age-period.	MONTHS.												Total
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Under 1 year.	637	663	791	708	629	710	891	829	762	662	616	635	8,534
1 year and upwards.	2,255	2,062	2,339	2,196	1,979	1,798	1,985	1,971	1,801	1,808	1,615	1,665	23,474

TABLE 45

## DEATHS AMONG INFANTS BY CAUSES, MONTHS AND AGES.

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 ...	8	...	...	...	...	1	...	3	2	1	1	...	...	...	...	2	6
28a Malaria ...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
28b Ague and Remittent Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34 Small-pox ...	160	7	35	63	32	10	4	3	1	...	1	2	2	1	4	77	78
35 Measles ...	59	9	15	4	14	7	5	...	...	1	2	...	2	...	...	25	34
8 Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Whooping Cough ...	4	...	...	1	1	...	...	...	...	...	1	...	1	...	...	3	1
10 Diphtheria ...	26	2	...	3	2	1	...	5	...	3	2	4	4	...	...	7	19
33 Influenza ...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
4 Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27 Dysentery ...	26	1	1	4	2	3	2	4	2	1	3	1	2	...	1	8	17
3 Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6 Cerebro-Spinal Fever	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	1
13 Tuberculosis of Respiratory system ...	18	3	1	1	1	2	...	2	1	3	2	1	1	...	1	4	13
14-22 Other Tuberculous Diseases ...	94	5	3	15	9	6	10	3	7	2	8	8	18	...	...	22	72
30 Syphilis ...	19	3	2	1	1	...	2	1	1	...	1	1	6	2	3	14	...
70 Rickets ...	255	19	17	21	16	20	22	30	26	34	15	20	15	...	1	40	214
86 Convulsions ...	122	18	8	6	8	9	9	15	10	12	12	7	8	62	21	31	8
106 Bronchitis ...	22	...	5	1	2	...	2	4	1	1	3	1	2	1	3	13	5
107-109 Pneumonia ...	2,492	218	214	247	210	190	241	309	240	172	142	154	155	47	140	990	1,315
104, 105, 110-114 Other Respiratory Diseases	31	...	1	4	1	5	2	5	5	1	3	1	3	2	2	14	13
118-1 Gastritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
119-120 Diarrhoea and Enteritis ...	659	24	29	44	58	55	55	77	73	69	65	51	59	14	155	259	231
157, 158, 160, 161 Congenital Malformation, Injury at Birth ...	2,403	179	165	229	196	155	180	224	255	239	211	180	190	910	758	574	161
159 Premature-Birth ...	1,606	122	121	103	108	116	125	156	161	174	149	142	129	1,388	188	26	4
161a Atelectasis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
202a-2 Suffocation Over-Lying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200-2a Fever not defined	69	3	3	10	...	6	5	7	8	4	8	10	5	6	23	20	20
Other Causes ...	457	24	43	34	47	43	45	41	35	45	33	33	34	138	82	110	127
Total ...	8,534	637	663	791	708	629	710	891	829	762	662	616	636	2,571	1,382	2,241	2,340

TABLE 46

## INFANT MORTALITY BY SECTIONS AND MONTHS

Localities Name of Sections.	MONTHS.												TOTAL
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Upper Colaba ...	2	1	...	2	1	1	2	1	3	2	...	1	16
Middle and Lower Colaba.	11	4	14	12	8	11	16	24	13	14	21	16	164
Fort, Southern ...	...	...	...	1	1	...	...	2	...	3	...	2	9
Fort, Northern ...	7	7	7	10	16	7	8	10	4	5	8	13	102
Esplanade ...	4	3	8	4	8	11	18	6	11	10	5	11	99
Mandvi ...	4	7	11	7	4	13	12	12	10	9	3	13	105
Chakla ...	2	4	8	7	2	4	9	4	6	6	2	8	62
Umarchadi ...	16	9	17	12	12	4	16	22	16	16	13	10	163
Dongri ...	15	17	9	17	8	17	26	12	14	15	11	16	177
Khara Talao ...	10	12	17	6	7	11	16	13	12	3	5	5	117
Kumbharwada ...	7	9	14	9	8	13	16	7	9	12	14	8	126
Bhuleshwar ...	19	11	25	15	11	14	12	11	14	18	17	12	179
Market ...	3	8	13	7	9	12	27	5	6	10	7	6	113
Dhobi Talao ...	16	14	14	16	19	20	15	16	17	14	13	16	190
Fanaswadi ...	11	9	15	10	7	10	15	13	12	9	13	13	137
Khetwadi ...	21	11	14	15	11	19	25	27	17	16	12	22	210
Tardeo ...	13	16	18	16	12	14	21	20	8	14	15	16	183
Girgaum ...	10	8	13	10	11	24	17	16	19	7	14	12	161
Chowpati ...	2	7	4	3	3	1	6	...	2	4	5	5	42
Walkeshwar ...	7	5	6	8	6	5	10	8	12	3	9	5	84
Mahalakshmi ...	8	12	13	19	16	18	28	26	24	23	16	19	222
Mazgaon ...	8	24	24	35	20	19	23	27	24	21	18	22	265
Tarwadi ...	17	17	27	18	17	16	22	17	29	19	11	9	219
1st Nagpada ...	6	14	14	5	6	12	6	10	8	3	3	7	94
2nd Nagpada ...	17	24	21	26	29	12	19	35	28	27	28	16	282
Kamethipura...	33	35	39	32	35	25	40	33	44	39	45	44	444
Byculla ...	46	61	69	47	44	57	66	57	51	51	48	46	643
Parel ...	43	37	43	52	40	36	51	50	36	34	28	29	479
Sewri ...	33	30	43	42	29	36	33	26	36	29	18	22	377
Naigaum ...	36	41	38	27	24	26	31	45	24	17	25	32	366
Matunga ...	3	5	3	11	8	6	10	9	7	13	6	3	84
Sion ...	21	39	38	36	32	33	38	47	29	29	33	36	411
Dadar ...	49	41	35	46	45	54	50	55	61	53	40	38	567
Mahim ...	21	16	21	14	19	23	22	26	25	20	16	20	243
Parbhadevi ...	37	40	41	45	30	43	51	44	44	36	30	26	467
Worli ...	37	27	43	37	33	42	81	54	46	28	29	30	487
Chinchpokli ...	41	37	51	28	36	41	32	39	41	29	31	26	432
Love Grove ...	1	1	1	1	2	...	1	...	...	1	4	1	13
Harbour, Docks, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>TOTAL</b>	<b>637</b>	<b>663</b>	<b>791</b>	<b>708</b>	<b>629</b>	<b>710</b>	<b>891</b>	<b>829</b>	<b>762</b>	<b>662</b>	<b>616</b>	<b>636</b>	<b>8,534</b>

TABLE 47

## DEATHS IN PUERPERAL STATE.

No.	Specific Cause of Death.	Number of Deaths.
1	Ante-partum Haemorrhage ... ..	11
2	Post-partum Haemorrhage ... ..	12
3	Toxaemias (Eclampsia, Hyperemesis, Gravidarum, Acute Yellow Atrophy, Albuminuria) ... ..	16
4	Puerperal Sepsis (Septraemia, Septicaemia, Phlegmasis, Algodolens, Coli Infection, etc.) ... ..	10
5	Embolism ... ..	...
6	Shock during or immediately after delivery ... ..	16
7	Anaemia of Pregnancy ... ..	...
8	Malaria ... ..	...
9	Influenza, Pneumonia ... ..	...
10	T. B. ... ..	...
	<b>Complications of Pregnancy</b>	
11	Heart Disease ... ..	...
12	Operative Interference ... ..	...
13	Ruptured Uterus ... ..	...
14	Breast Disease ... ..	...
15	Puerperal Insanity ... ..	...
16	Other Causes ... ..	3
	<b>Total ...</b>	<b>63</b>

TABLE 48  
CASES OF NOTIFIABLE DISEASES REPORTED.

Sections.	2															
	Cholera.	Small-pox.	Plague.	Enteric Fever.	Diphtheria.	Typhus.	Relapsing Fever.	Kala Azar	Puerperal Fever.	Tuberculosis.	Leprosy.	Influenza Pneumonia	Cerebro Spinal Meningitis.	Scarlet Fever.	Acute Anterior Poliomyelitis.	Total.
Upper Colaba ...	...	...	...	...	1	...	...	...	...	4	...	...	...	...	1	6
Middle and Lower Colaba ...	...	20	...	25	25	1	...	...	...	142	...	...	...	...	4	217
Fort, Southern ...	...	4	...	19	3	1	...	...	...	28	...	...	...	...	...	55
Fort, Northern ...	...	13	...	194	87	1	...	...	...	186	...	...	1	...	6	488
Esplanade ...	...	17	...	39	24	1	...	...	...	206	...	...	...	...	7	294
Mandvi ...	...	9	...	49	23	...	...	...	...	183	...	...	...	...	3	267
Chakla ...	...	7	...	23	70	1	...	...	...	197	...	...	...	...	1	299
Umarkhadi ...	...	34	...	91	115	...	...	...	...	281	...	...	...	...	13	534
Dongri ...	...	6	...	16	31	...	...	...	...	157	...	...	...	...	7	217
Khara Talao ...	...	10	...	13	77	...	...	...	...	280	...	...	...	...	5	385
Kumbharwada ...	...	14	...	27	14	1	...	...	...	207	...	...	...	...	5	268
Bhuleshwar ...	...	19	...	42	60	1	...	...	...	257	...	...	...	...	3	382
Market ...	...	12	...	35	36	1	...	...	...	204	...	...	1	...	3	292
Dhobi Talao ...	...	31	...	67	62	3	...	...	...	702	...	...	...	...	3	868
Fanaswadi ...	...	18	...	35	28	...	...	...	...	263	...	...	...	...	4	348
Khetwadi ...	...	42	...	51	59	1	...	...	...	274	...	...	...	...	6	433
Tardeo ...	...	56	...	48	51	...	...	...	...	213	...	...	...	...	6	374
Girgaum ...	...	29	...	36	40	...	...	...	...	205	...	...	...	...	4	314
Chowpati ...	...	18	...	24	43	...	...	...	...	98	...	...	...	...	3	186
Walkeshwar ...	...	12	...	11	22	...	...	...	...	32	...	...	...	...	2	79
Mahalakshmi ...	...	25	...	64	92	2	...	...	...	250	...	...	...	...	16	449
Mazagon ...	...	55	...	57	40	...	...	...	...	272	...	...	...	...	3	427
Tarwadi ...	...	79	...	34	66	...	...	...	...	269	...	...	...	...	4	452
1st Nagpada ...	...	29	...	49	96	2	...	...	...	169	...	...	...	...	1	346
2nd Nagpada ...	...	14	...	18	30	...	...	...	...	134	2	...	...	...	13	211
Kamathipura ...	...	43	...	46	31	...	...	...	...	230	...	...	...	...	5	355
Byculla ...	...	236	...	239	368	4	...	...	...	416	...	...	...	...	24	1,287
Parel ...	...	207	...	114	114	2	...	...	...	357	...	...	...	...	13	807
Sewri ...	...	142	...	38	27	1	...	...	...	112	...	...	...	...	2	322
Naigaum ...	...	130	...	56	54	...	...	...	...	308	...	...	1	...	3	552
Matunga ...	...	42	...	50	75	...	...	...	...	104	...	...	...	...	6	277
Sion ...	...	36	...	41	54	...	...	...	...	130	...	...	1	...	2	264
Dadar ...	...	29	...	141	151	...	...	...	...	316	1	...	...	...	7	645
Mahim ...	1	86	...	75	80	1	...	...	...	161	...	...	...	...	8	412
Prabhadevi ...	...	111	...	88	70	2	...	...	...	214	...	...	...	...	5	490
Worli ...	...	53	...	125	48	5	...	...	...	120	...	...	...	...	5	356
Chinchpokli ...	...	123	...	124	60	1	...	...	...	227	...	...	1	...	4	540
Love Grove ...	...	5	...	11	6	1	...	...	...	28	...	...	...	...	...	51
Harbour, Docks, etc. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1	1,816	...	2,215	2,333	33	...	...	...	7,936	3	...	5	...	207	14,549
Average of the last 5 years (1949 to 1953)	82	947	3	1,815	605	37	...	...	2	2,328	25	1	18	...	65	5,928

45



TABLE 49

## RAT DESTRUCTION WORK.

Months.	No. of rats sent to the Haffkine Institute.	No. of rats examined.	
		Alive.	Dead.
January ..	88,138	102	27
February ..	76,954	..	30
March ..	78,325	..	26
April ..	75,524	2	30
May ..	71,931	..	14
June ..	76,240	..	31
July ..	76,445	..	20
August ..	76,692	..	24
September ..	67,517	..	56
October ..	74,421	..	45
November ..	81,593	..	30
December ..	89,147	..	24
Total ..	9,32,327	104	357

No rat was found plague infected.

TABLE 50  
SMALL-POX ATTACKS AND DEATHS (1933 TO 1954).

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 3-6-1935 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	From 19-12-37 to 14-5-38 4 months and 26 days.
	{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 15-8-40 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 17-4-41 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	...	...	...	...	...	856			
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	51.7	Sporadic.
	{D. 3	11	24	33	21	9	4	2	2	...	1	10	120			
1953	{A. 39	58	130	117	90	87	62	31	11	13	15	40	693	0.0	27.3	Sporadic.
	{D. 13	15	37	28	25	28	16	4	4	2	5	12	189			
1954	{A. 130	210	684	499	138	73	26	10	12	3	9	22	1,816	0.3	34.3	Epidemic from 14-3-1954 to 1-5-1954. 1 month and 18 days.
	{D. 43	123	211	140	53	28	10	1	1	3	3	7	623			

TABLE 51.  
CASES OF ENTERIC FEVER REPORTED IN 1954.

Disease.	MONTHS.												Total.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Enteric Fever	107	58	66	119	221	256	231	317	285	192	164	199	2,215

TABLE 52  
PARTICULARS RELATING TO ENTERIC FEVER SINCE (1941-1954.)

	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
Attacks	1,123	1,018	1,562	1,008	1,329	988	1,664	3,156	3,426	1,338	1,009	1,567	1,736	2,215
Deaths	554	375	567	459	616	513	686	1,038	1,128	403	262	428	323	232
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	18.6	10.5
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	0.1	0.1
Hospitalisation	765	841	1,348	927	1,306	911	1,568	2,971	3,132	1,227	899	956	1,283	2,103
Cases notified by medical practitioners.	234	126	214	148	233	77	96	185	385	906	110	611	453	43
Inoculations	11,032	14,470	62,891	84,927	27,879	2,27,296	1,92,304	3,75,991	5,55,717	2,39,155	2,26,890	3,11,859	2,39,333	2,23,903
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	0.7	0.9

Table 53

## COMPARATIVE TABLE OF DEATHS FROM SOME OF THE PRINCIPAL CAUSES AND BIRTHS

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.)		Still-born.
	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.	No. Registered.	Rate per 1,000.	No. Registered.	Percentage to total deaths.	
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	8,788	3.8	89	1.3	9,746	148.4	5,646	16.7	3,268
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	6,043	17.6	3,151
1953 ...	62,726	26.9	33,927	14.6	...	0.0	189	0.1	88	0.0	22	0.0	8	0.0	323	0.1	17	0.0	3	0.0	2,427	1.0	1,524	0.6	7,768	3.3	82	1.3	9,000	143.5	5,926	17.5	2,164
Average of 1944-53	58,221	33.4	37,507	21.5	3	0.0	408	0.2	218	0.1	14	0.0	12	0.0	586	0.3	85	0.0	470	0.3	2,240	1.3	1,487	0.8	10,622	6.1	121	2.1	9,704	166.7	6,555	17.5	3,131
Average of 1949-53	62,642	31.4	35,265	17.7	1	0.0	283	0.1	106	0.1	14	0.0	5	0.0	509	0.2	58	0.0	111	0.0	2,444	1.2	1,357	0.7	8,905	4.5	107	1.7	9,478	151.3	6,061	17.2	3,069
1954 ...	63,072	27.1	32,068	13.7	...	0.0	623	0.3	180	0.1	...	0.0	4	0.0	232	0.1	16	0.0	12	0.0	2,184	0.9	1,601	0.7	7,063	3.0	88	1.1	8,534	135.3	5,766	18.0	2,963

TABLE 54

## DIPHThERIA CASES

Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
116	117	125	185	256	192	210	175	197	186	261	313	2,333

TABLE 55

## TUBERCULOSIS—DEATH-RATES.

Period.	Annual Death-rates.				
	Pulmonary.	Other forms.	All forms.		
1944-1953 (Average)	..	..	0.9	0.4	1.3
1949-1953 (Average)	..	..	0.9	0.3	1.2
1950	..	..	0.7	0.3	1.0
1951	..	..	0.8	0.3	1.1
1952	..	..	0.8	0.3	1.1
1953	..	..	0.7	0.3	1.0
1954	..	..	0.6	0.3	0.9

TABLE 56

## TUBERCULOSIS DEATHS BY SEX

Year.	Deaths from Pulmonary. T. B.	Deaths from T. B. (other forms).	Total No. of deaths.	Males.	Females.	
1953 ..	..	1734	693	2,427	1,650	777
1954 ..	..	1524	660	2,184	1,424	760

TABLE 57

## MUNICIPAL VENEREAL DISEASES PROPHYLACTIC CENTRES.

Location.	Attendance.
(1) Anti-Venereal Clinic, 254, Bellasis Road.	15,964
(2) Municipal dispensary, 55, Rajwadkar Street.	70
(3) Municipal Dispensary, 259, Sardar Vallabhbhai Patel Road.	712
(4) Municipal Dispensary, 264, Charni Road.	652
(5) Municipal Dispensary, 143, Foras Road, tram junction.	1,681
(6) Municipal dispensary, Dharavi.	410
(7) Municipal dispensary, 213, Delisle Road, Lower Parel.	448
(8) Municipal dispensary, 45, B. D. D. chawl, Worli.	628
Total ...	20,565

TABLE 58  
MUNICIPAL VENEREAL DISEASE CLINIC : LABORATORY WORK

Wassermann Reaction (at the Haffkine Institute, Parel, Bombay, for this Clinic)	...	...	920
Fleming's Test ...	...	...	...
Kahn's Test ...	...	...	3,874
Meinicke's Test ...	...	...	4,300
Dark Ground searches for Treponema Pallidum ...	...	...	310
Smears for Gonorrhoea ...	...	...	10,018
Miscellaneous (Blood Films and Counts, Spinal Fluid Tests, etc.)	...	...	105
		Total ...	19,527

TABLE 59  
NON-VENEREAL CASES : ATTENDANCE AT THE VENEREAL DISEASE CLINIC.

	Males.	Females.	Total.
(1) Skin Lesions ...	306	140	446
(2) Non-Specific Urethritis ...	187	454	641
(3) Non-Veneral Gynaecological Cases ...	...	588	588
(4) Marriage Certificate ...	...	...	...
(5) Fitness Certificate ...	90	...	90
(6) Others ...	109	293	402
Total ...	692	1,475	2,167

TABLE 60  
SUMMARY OF CASES TREATED AT THE VENEREAL DISEASE CLINIC

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
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
1953	7,574	5,294	5,258	18,126	1,895	736	20,107	14,415	650	1,69,195
1954	7,173	5,377	5,731	18,281	2,167	831	20,543	15,964	736	1,70,378

TABLE 61

DAILY AVERAGE-ATTENDANCE AT THE V. D. CLINIC IN 1954.

New Patients	Males ...	54.8	Total	70.1	Total for Dia- gnosis and Treatment.	Total Daily At- tendance.
	Females...	15.3				
Old patients	Males ...	396.9	Total	581.5	651.6	695.3
	Females...	184.6				
Prophylaxis	Day ...	11.4	Total	43.7	Total for Pro- phylaxis. 43.7	695.3
	Night ...	32.3				
The average daily attendance during the last five years.						
1950	1951	1952	1953	1954		
686.7	683.7	671.3	687.8	695.3		

TABLE 62

CLASSIFICATION OF THE VENEREAL CASES TREATED DURING 1954 AT THE V. D. CLINIC.

I SYPHILIS				Males.	Females.	Total
(1)	"Primary"	...	...	2,230	333	2,613
(2)	"Secondary"	...	...	2,253	280	2,533
(3)	"Late"	...	...	1,053	872	1,925
(4)	"Congenital"	...	...	...	102	102
Total				5,536	1,637	7,173
II GONORRHOEA						
(1)	Acute and Sub-Acute	...	...	2,114	454	2,568
(2)	Chronic	...	...	2,719	444	3,163
Total				4,833	898	5,731
III Non-Syphilitic Sores						
...				4,991	386	5,377
GRAND TOTAL				15,360	2,921	18,281

TABLE 63

LEPROSY

(1) No. of leprosy cases treated at the Home during the year 1954	...	6,038
(2) No. of patients ceased attending but persuaded to resume treatment	...	114
(3) No. of contacts examined at the homes of patients	...	2,199
(4) No. of contacts brought to the Clinic for examination	...	147
(5) No. of leprosy cases discovered by examination of contacts	...	20
(6) No. of first visits to the homes of patients	...	851
(7) No. of subsequent visits	...	7,558
(8) No. of talks on leprosy given	...	1,859
(9) No. of homes where isolation was secured	...	...
(10) No. of dropped cases visited	...	1,834
(11) No. of cases detected during rounds	...	15
(12) Daily average attendance at the Clinic during the year	...	251.1
(13) Average attendance twice a week at the Worli Treatment Centre during the year	...	48.5
(14) No. of Health Visitors working at the Home during the year	...	7
(15) No. of Health Visitors appointed by the Municipality	...	6

TABLE 64

## LARVICIDES USED

Name of the Article.	Quantity.	Cost.
Malariai "B"	...	Rs. a. p. ...
D.D.T. Emulsion 25% Concentrate.	4,086 gallons	32,428 10 0
B.H.C. Emulsion 10% G.I. Concentrate.	810 do.	14,887 8 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 MOSQUITOES.

Nature of Breeding place.	Month											Total.	
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.		Dec.
Open wells	...	...	2	3	...	1	2	1	3	4	1	...	17
Masonry tanks	...	...	3	2	3	5	...	...	2	...	1	...	16
Gully-traps and Storm Water Entrances	...	...	...	...	...	...	1	2	...	...	...	...	3
Pools, low-lying lands, cellars, etc.	1	...	2	2	1	12	7	11	4	3	1	...	44
Odd-receptacles	...	...	...	...	...	...	1	...	...	...	...	...	1
Reservoirs	...	1	...	1	...	3	...	...	...	2	1	...	8
Fountains	...	...	...	...	1	...	...	...	...	...	3	...	4
Cisterns, barrels tins, roof gutters etc.	...	...	...	...	...	...	...	...	...	...	...	...	...
Others	...	...	...	...	...	2	3	5	1	...	...	...	11
Total	2	...	8	7	8	20	14	19	10	9	7	...	104

TABLE 66

## WELLS, CISTERNS, ETC. BY WARDS FOUND BREEDING ANOPHELES.

Breeding noticed in.	Wards							Total.	
	A	B	C	D	E	F	G		
Open wells	...	...	...	3	...	7	7	17	
Masonry tanks	...	...	...	...	1	14	1	16	
Storm Water Entrances & Gully-traps	...	...	...	3	...	...	...	3	
Pools, low- lands etc:	...	...	...	1	6	3	34	44	
Odd receptacles	...	...	...	...	1	...	...	1	
Reservoirs	...	...	...	3	...	5	...	8	
Fountains	...	...	...	3	1	...	...	4	
Cisterns, Barrels, Tins, & roof gutters	...	...	...	...	...	...	...	...	
Others	...	...	...	2	...	9	...	11	
Total	...	...	...	1	20	6	69	8	104

TABLE 67

## SPLEEN EXAMINATION OF THE MUNICIPAL SCHOOL CHILDREN.

Ward	No. of pupils examined	No. of pupils found with enlarged spleen.	Percentage.
A	3,583	3	0.08
B	4,066	8	0.19
C	7,236	11	0.15
D	3,922	13	0.33
E	4,925	4	0.08
F	4,501	4	0.08
G	14,793	19	0.12
Total	43,026	62	0.14

TABLE 68

Cases of Malaria treated at the Municipal Dispensaries.

Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
4	2	5	..	2	10	10	7	7	...	1	...	48

TABLE 69

WELLS AND THEIR CONDITION ON 1ST JANUARY 1955.

Ward.	Total No. of wells.	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	664	149	63	86	515	176	339
D	433	91	23	68	342	86	256
E	151	19	12	7	132	44	88
F	135	51	42	9	84	34	50
G	258	117	109	8	141	63	78
F Mills	8	1	1	...	7	1	6
G Mills	28	...	...	...	28	4	24
Total	2,131	474	285	189	1,657	447	1,210

TABLE 70

TREATMENT OF STORM WATER ENTRANCES

Ward.	No. of Storm water entrances.	No. of occasions they were treated.
A	31,19	1,58,860
B	2,423	9,63,79
C	1,963	25,529
D	2,191	87,923
E	4,160	1,53,709
F	5,357	1,82,138
G	3,732	1,49,280
Total	22,945	8,53,818



TABLE 71

## TIFA FOGGING WORK.

Month	Tifa work done		PETROL. Tifa Truck		INSECTICIDE USED.		No. of houses fogged.	No. of lanes by-lanes and roads fogged.
	Hrs.	Mts.	gallons.	gallons.	Gallons.	Name of the insecticide.		
January	159	30	40	71	305½	Tifa Solution.	1289	67
February	162	15	70	73	450	Do	1247	17
March	158	30	55	60	299	Do	1324	23
April	161	15	35	58	195	Do.	1213	9
May	126	15	50	30	125	Do	1220	17
June	116	...	40	66	126	Do.	1215	7
July	123	...	54	54	59	Do	1246	10
August	127	...	50	56	63	Do.	1250	11
September	124	...	36	58	44	Do	1100	15
October	129	...	60	77	56	Do.	1340	16
November	118	30	60	46	125	Do.	1351	40
December	123	15	50	38	220	Do.	1401	9

TABLE 72

## INFECTIOUS DISEASES, DISINFECTIONS.

Diseases	Cases.	Cases removed to hospitals.	Houses vacated.	Rooms disinfected.	Articles sterilized.
1 Plague	...	..	Nil.	...	...
2 Small-pox	1,816	372	...	1,841	1,337
3 Measles	...	10	...	127	...
4 Chicken-pox	...	125	...	697	70
5 Typhoid fever	2,215	178	...	2,546	276
6 Influenzal pneumonia	...	...	...	..	...
7 Cholera	1	4	...	10	75
8 Diarrhoea & Vomiting	...	94	...	256	149
9 Erysipelas	...	..	...	..	...
10 Leprosy	3	1	...	7	...
11 Tuberculosis	7,936	341	...	3,654	775
12 Cerebro-Spinal fever	5	...	...	3	..
13 Dead Rats	...	...	...	...	...
14 Poliomyelitis	207	30	...	269	271
15 Malaria	...	...	...	...	...
16 Diphtheria	2,333	243	...	2,034	125
17 Puerperal Fever	...	...	...	...	...
18 Typhus	33	3	...	23	8
19 Other Causes	...	14	...	404	32
Total	14,549	1,415	Nil.	11,874	3,118

TABLE 73  
DISINFECTION WORK.

Name of disinfectant.	QUANTITIES OF DISINFECTANTS USED.			COST OF DISINFECTANTS USED.		
	For Dwellings and rooms.	For other places such as house gullies, drains, privies, etc.	Total.	for dwellings and rooms.	for other places.	Total.
	44 tins. and 184 gallons.	48 tins. and 552 gallons.	92 tins and 736 gallon.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Kerosene	6 Drums.	...	6 Drums.	581 5 6	1,150 8 0	1,731 13 6
Phenol	1 Ton.	...	1 Ton.	97 11 0	...	97 11 0
Bengal Coke	141 Gallons.	...	141 Gallons.	50 0 0	...	50 0 0
Disinfectant fluid	3 Drums. and 222 Lbs.	...	3 Drums. and 222 Lbs.	405 0 0	...	405 0 0
Formaline	15 Gallons.	...	15 Gallons.	219 4 0	...	219 4 0
Lysol	...	...	...	80 13 0	...	80 13 0
Pesterine	...	583 Gallons	583 "	...	35 0 0	35 0 0
Sal. Hycol	...	524 "	524 "	...	1,441 0 0	1,441 0 0
Hydrochloric Acid	...	1,045 Lbs.	1,045 Lbs.	...	188 0 0	188 0 0
D.D.T. (Technical)	...	4 Tons.	4 Tons.	...	19,040 0 0	19,040 0 0
D.D.T. Solution 5% with kerosene	...	50 Gallons.	50 Gallons.	...	225 0 0	225 0 0
Tropical Chloride of Lime	...	538 Drums.	538 Drums.	...	12,105 0 0	12,105 0 0
Malarial B.	...	2,700 Gallons.	2,700 Gallons.	...	2,615 10 0	2,615 10 0
D.D.T. Emulsion	...	4,086 "	4,086 "	...	32,428 10 0	32,428 10 0
B.H.C. 50% WDP	...	30 Tons.	30 Tons.	...	50,850 0 0	50,850 0 0
B.H.C. 5% Dust	...	42 "	42 "	...	7,644 0 0	7,644 0 0
B.H.C. 10% Emulsion	...	810 Gallons.	810 Gallons.	...	14,887 8 0	14,887 8 0
L.C. 70 Tifa Mixture, 7% G.I.	...	120 "	120 "	...	1,920 0 0	1,920 0 0
Isol Powder	...	452 Bags.	452 Bags	...	6,328 0 0	6,328 0 0
Total	...	...	...	1,434 1 6	1,50,858 4 0	1,52,292 5 6

TABLE 74

## MATERNITY AND CHILD WELFARE AND FAMILY PLANNING WORK.

(1) Number of confinements attended to at homes by the Health Visitors in the District	...	45
(2) Visits by the health visitors—		
Ante-natal	...	7,542
Natal	...	1,845
Post-natal	...	13,565
Infants and pre-school age children	...	20,301
(3) Number of cases visited by the medical officers	...	2,381
(4) Number of cases registered in the clinics:—		
Ante-natal	...	57,819
Post-natal	...	13,250
Infants	...	14,006
Others	...	3,536
(5) Total number of confinements in the maternity homes (Including 1,786 primiparae)...	...	9,622
(6) Number of cases not registered at the ante-natal clinics but confined in the maternity Homes	...	567
(7) Number of cases admitted	...	11,308
(8) Number of beds	...	129
(9) Total number of patients whose blood was taken for Kahn-test	...	1,235
(10) Total number of patients to whom aid was given	...	242
(11) Total number of visits by the health visitors for family planning clinics	...	11,499
(12) Total attendance at the family planning clinics—		
New	...	2,598
Old	...	4,184
(13) Total number of women given appliances free	...	4,353
(14) Total number of new-born babies B. C. G. vaccinated	...	2,190
(15) Total number of women given milk under milk-distribution scheme	...	3,125

TABLE 75

Attendance at the Municipal General Dispensaries.

Description of diseases	January	February	March	April	May	June	July	August	September	October	November	December	Total
Measles	2	6	4	4	...	...	...	...	...	...	...	4	20
Whooping Cough	9	10	9	9	15	8	11	9	16	17	25	20	158
Dengue	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza	27	12	5	15	13	2	9	20	11	14	12	12	152
Dysentery	511	495	699	698	665	876	1,212	1,043	784	695	772	750	9,200
Diarrhoea	1,843	2,018	2,628	2,359	2,439	2,600	3,648	2,839	2,254	2,521	3,012	2,595	30,756
Malarial Fever	4	2	5	...	2	10	10	7	7	...	...	...	47
Fever not defined	4,220	4,374	5,173	5,352	5,029	5,800	6,601	5,591	4,952	4,916	5,546	4,930	62,484
Bronchitis and Asthma	582	438	402	476	527	559	630	591	607	635	723	763	6,933
Pneumonia	56	29	59	13	19	37	28	55	39	50	66	58	509
Diseases of the teeth	730	733	878	882	789	872	873	861	724	812	886	849	9,889
Ophthalmia	762	797	914	844	789	882	845	839	813	784	891	919	10,079
Corneal Ulcer	51	31	35	33	45	52	53	53	48	35	47	43	526
Ringworm	362	334	345	407	414	530	519	492	437	460	526	534	5,360
Scabies	588	600	714	636	612	673	812	765	670	824	755	642	8,291
Round Worms	546	548	641	630	536	623	648	653	567	642	739	753	7,526
All other diseases and injuries	12,486	13,857	14,535	15,810	16,520	16,355	18,358	16,624	15,141	15,657	15,527	13,719	1,84,589
Leprosy	2	2	5	3	...	1	4	2	2	...	2	1	24
Total new cases	22,781	24,286	27,051	28,171	28,414	29,880	34,261	30,444	27,072	28,062	29,529	26,592	3,36,543
Total Attendance	99,595	1,10,630	1,18,996	1,21,659	1,22,077	1,25,399	1,44,301	1,34,248	1,25,121	1,28,752	1,40,148	1,34,390	15,05,316

TABLE 76

## ATTENDANCE AT THE MUNICIPAL EYE DISPENSARY AND HOSPITAL.

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
1953	12,128	75,205	87,333
1954	11,583	71,530	83,113

TABLE 77  
POOR BOX CHARITY FUND.

## I. STATEMENT OF ACCOUNT FOR THE YEAR 1954-55.

Receipts.	Amount.	Disbursements.	Amount.
	Rs. as. ps.		Rs. as. ps.
To Balance in hand on 31-3-1954	...	By supply of costly medicines, injections etc., to poor patients.	17,223 9 0
To Balance with the Central Bank of India Ltd.	6,840 13 1	Blood transfusion charges	3,340 0 0
To Collection from Out-door and Ward box	17,789 12 9	By Spectacles to patients	87 9 0
To Donations	2,815 9 6	By Establishment charges	891 0 0
To Interest, allowed by the Bank on Current Account.	22 14 0	By Miscellaneous expenses	1,830 5 6
To Collection on account of Medical certificates...	1,599 0 0	By Conveyance charges to patients	1 3 0
To Contribution towards blood transfusion	525 0 0	By return of amount kept in deposit as donation for purchase of X-ray screening Machine at A. R. Hospital.	1,001 0 0
To Miscellaneous receipts	105 2 6	By return of the amount due to G.T.B. Hospital...	3,057 2 3
To Commission from sale of P.A.S. etc.	27 11 9	By cash in Central Bank of India Ltd., on 31-3-1955.	5,656 6 10
To Amount accrued on securities by way of interest from time to time.	3,362 4 0		
<b>Total</b>	<b>33,088 3 7</b>	<b>Total</b>	<b>33,088 3 7</b>

## II. BALANCE SHEET AS ON 31ST MARCH 1955.

Liabilities.	Assets.
Fund account balance on 31-3-1954	31st March 1955
Rs. as. ps.	Rs. as. ps.
5,356 10 1	Cash in hand
Deposit in the Bank for purchase of X-ray screening machine at Arthur Road Hospital.	1,001 0 0
1,001 0 0	Balance with the Central Bank of India Ltd.
Fund account balance with the Arthur Road Hospital.	150 0 0
150 0 0	Return of deposit
Fund account balance with the Haffkine Institute.	10 0 0
10 0 0	Balance account with—
	(1) Medical Superintendent, Arthur Road Hospital. Rs. 150
	(2) Director, Haffkine, Institute Rs. 10
	<u>Rs. 160</u> 160 0 0
<b>Deposit Account—</b>	<b>Investment (at cost)—</b>
Nurses Welfare Fund, Arthur Road Hospital	(1) Government Securities at cost of the face value of Rs. 67,300.
377 0 0	67,476 6 4
Servants Welfare Fund, Arthur Road Hospital	(2) 4% Bombay Municipal Debentures of 1952-64 of the face value of Rs. 25,500.
106 3 0	24,926 4 0
Government Securities (of the face value of Rs. 1,02,800).	(3) 4% Bombay Debentures of 1963 (of the face value of Rs. 10,000).
1,02,327 10 4	9,925 0 0
Less—	
Excess of expenditure over receipts during 1954-55	
183 6 3	
<b>Total</b>	<b>Total</b>
1,09,145 1 2	1,09,145 1 2

TABLE 78

## 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 1954 to December 1954	368	299	81.2
Vaccination	... Reference.	123	80	65
	January 1954 to December 1954	101	80	79.2
Sanitation	... Reference.	747	357	47.3
	January 1954 to December 1954	496	357	71.9
Head Office	... Reference.	104	73	70.1
	January 1954 to December 1954	88	73	82.9
Total	... Reference.	1,467	803	54.7
	January 1954 to December 1954	1,029	809	76.8

TABLE 79

## PROGRESS OF THE IMPLEMENTATION OF MESSRS IBCON'S RECOMMENDATIONS (CONSERVANCY BRANCH)

Category	Period	ACTUAL STAFF			Standard Staff	Index
		Basic	Leave substitutes	Total		
1	2	3	4	5	6	7
(I) Motor-Loaders (& Scammel Attendants)	... Ref. period	1,354	74	1,428	475	33.2
	December 1952	1,045	57	1,102	475	43.0
	December 1953	898	47	945	475	50.3
	December 1954	868	52	920	475	51.6
(II) Scavengers (including Street Boys, Cart-Drivers, Dust-bin Cleaners, Plumbermen, V. G. Cleaners)	Ref. period	5,088	335	5,423	3,945	72.7
	December 1952	5,050	257	5,307	3,945	74.3
	December 1953	4,848	254	5,102	3,945	77.3
	December 1954	4,643	298	4,941	3,945	79.8
(III) Basket-Halalkhores, Latrine Cleaners, Siding Gully Flushing, Road Scraping, Rat Catching, Workshop, Stable and Chawls Bigaris.	Ref. period	1,721	93	1,814	1,203	...
	December 1952	1,688	74	1,762	1,203	...
	December 1953	1,597	59	1,656	1,203	72.6
	December 1954	1,568	50	1,618	1,203	74.4
(IV) Rest of the staff (Supervisory and Clerical).	Ref. period	922	31	953	355	...
	December 1952	902	25	927	355	...
	December 1953	877	17	894	355	...
	December 1954	875	13	888	355	40.0

TABLE 80

*Admission, deaths and average number of patients during the year 1954, at the City Fever Hospitals, Arthur Road.*

Months.	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diphtheria	C. S. Fever.	Influenza.	Whooping Cough.	Enteric Fever.	B.—Dy-sentery.	A.—Dy-sentery.	Cholera.	Typhus Fever.	Anterior Polio-myelitis.	Other Diseases.	Total.	Dis-charged.	Deaths.	Daily Average No. of Patients.
January	151	301	87	9	201	...	...	2	125	1	2	...	...	...	159	1,038	984	54	440
February	253	522	71	25	205	...	...	7	111	3	2	...	2	...	238	1,439	1,372	67	589
March	483	673	53	25	243	1	...	7	138	2	...	1	3	...	287	1,916	1,812	104	673
April	335	77	38	11	167	...	...	1	142	2	...	...	3	...	234	1,010	925	85	480
May	106	41	28	13	112	...	4	4	182	5	...	...	4	...	246	745	675	70	334
June	45	9	8	17	149	2	9	26	266	1	...	...	1	...	208	741	693	48	365
July	23	8	3	16	240	...	2	9	277	7	...	...	3	19	326	933	887	46	432
August	10	6	10	14	199	1	...	2	315	11	...	...	...	30	335	933	886	47	462
September	7	10	32	14	203	...	...	4	277	5	...	...	3	9	375	939	896	43	479
October	5	11	8	23	245	...	5	6	188	7	...	...	5	6	355	859	823	36	407
November	10	27	7	18	312	...	1	11	193	...	...	...	3	7	297	886	853	33	385
December	16	49	16	21	312	...	...	17	173	6	...	...	3	2	250	865	825	40	378
Grand Total	1,444	1,734	361	206	2,588	4	21	96	2,387	45	4	1	30	73	3,310	12,304	11,631	673	453

TABLE 81

*Admissions from 1951 to 1954 at the City Fever Hospital.*

Year.	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diphtheria.	C.S. Fever.	Influenza.	Whooping Cough.	Enteric Fever.	B. Dysentery.	A. Dysentery.	Cholera.	Plague.	Typhus Fever.	Anterior Polio-myelitis.	Other diseases.	Total.	Deaths.	Discharged.	Daily Average No. of patients.
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
1953	730	871	345	197	1,470	4	16	35	2,056	101	...	84	...	55	1	3,837	9,802	670	9,132	356
1954	1,444	1,734	361	206	2,588	4	21	96	2,387	45	4	1	...	30	73	3,310	12,304	673	11,631	453

TABLE 82

*Particulars regarding the patients treated at the City Fever Hospital.*

Particulars.	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diphtheria.	C. S. Fever.	Influenza.	Whooping Cough.	Enteric Fever.	B. Dysentery.	A. Dysentery.	Cholera.	Typhus fever.	Anterior Polio myelitis.	Other diseases.	Total.
Patients remaining on 31st December 1953	32	42	14	4	79	...	...	2	150	...	...	...	...	...	82	405
Patients admitted from 1st January 1954 to 31st December 1954	1,444	1,734	361	206	2,588	4	21	96	2,387	45	4	1	30	73	3,310	12,304
Total treated	1,476	1,776	375	210	2,667	4	21	98	2,537	45	4	1	30	73	3,392	12,709
Discharged	1,230	1,744	358	207	2,405	2	21	84	2,252	41	4	1	28	67	3,180	11,624
Died	236	5	14	...	150	2	...	2	143	4	...	...	...	6	111	673
Case Mortality rate	16.3%	0.28%	3.8%	...	5.7%	50%	...	2%	5.9%	8.8%	...	...	...	8.2%	3.3%	5.5%
Patients remaining on 31st December 1954.	10	27	3	3	112	...	...	12	142	...	...	...	2	...	101	412
Maximum No. of beds occupied on one day.	819 as on 23rd March 1954.															

TABLE 83

## 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 condition and can be used temporarily during epidemics only.
Nos. 4, 5 and 6 (25 beds each) ...	25	These wards are in a more dilapidated condition and one of them only can be used temporarily during epidemics.
No. 7. with 14 beds ...	...	It has been improvised as a Lecture Hall and is not available for accommodation of Patients ordinarily as well as during epidemics.
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 during 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 General Unit).	314	

TABLE 84

AVERAGE WEEKLY COST PER PATIENT ADMITTED AT THE CITY FEVER HOSPITAL, ARTHUR ROAD.  
(Excluding establishment charges).

Particulars.	1951.	1952.	1953.	1954.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Drugs, dressings, & ...	7 9 11	9 4 9	9 3 7	9 4 2
Disinfectants ...	0 5 11			
Diet ...	11 4 3	13 0 3	12 2 3	11 7 2
Clothing ...	3 0 5	1 10 10	1 12 7	1 5 7
Store ...	1 7 11	2 8 3	1 15 6	1 13 2
Total per patient per week ...	23 12 0	26 8 1	25 1 11	23 14 1
Total no. of patients admitted	6,726	6,883	9,802	12,304

TABLE 85

TOTAL COST PER PATIENT PER DAY AT THE CITY FEVER HOSPITALS, ARTHUR ROAD,  
(INCLUDING ESTABLISHMENT CHARGES).

Particulars.	Amount.
	Rs. a. p.
Diet ...	1 10 2
Stores and linen ...	0 7 3
Drugs, dressings, etc. ...	1 5 2
Lighting } ...	0 2 4
Miscellaneous }	
Repairs, etc. ...	0 2 0
Establishment ...	3 13 5
Total ...	7 8 4



TABLE 86

*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.	
201	38,879 8 0	3,8359 0 0	51,443 0 0	2,535 15 6	"A"

TABLE 87

## DETAILS OF SMALL-POX CASES AND DEATHS DURING THE YEAR 1954.

Classification	Admissions	Deaths	Recovered	Casc Mortality rate
(1) Haemorrhage	... 43	43	...	100%
(2) Confluent	... 110	94	16	85.5%
(3) Semi-confluent	... 179	49	130	27.3%
(4) Discrete	... 1,112	48	1,064	4.3%
Total	... 1,444	234	1,210	16.1%

TABLE 88

SMALL-POX CASES TREATED IN THE CITY FEVER HOSPITAL, ARTHUR ROAD DURING THE YEAR 1954.  
(AGE GROUPS)

Ages.	Vaccinated admissions.				Unvaccinated admissions.			
	Total.	Cured.	Deaths.	Mortality %	Total.	Cured.	Deaths.	Mortality %
0-6 months ...	10	6	4	40%	39	16	23	59%
7 mon.—1 year ...	15	13	2	13.3%	33	20	13	39.3%
2 years ...	27	20	7	26%	35	27	8	23%
3 years ...	26	20	6	23%	29	19	10	34%
4 years ...	23	20	3	13%	18	13	5	28%
5 years ...	15	15	Nil.	Nil.	13	7	6	46%
6-10 years ...	39	35	4	10.25%	42	33	9	21.4%
11-15 years ...	58	53	5	8.6%	22	20	2	9.0%
16-20 years ...	239	223	16	6.6%	103	90	13	13%
21-25 years ...	292	273	19	6.55%	121	87	34	28%
26-30 years ...	96	87	9	9.3%	47	34	13	28%
31-35 years ...	39	30	9	23%	11	8	3	27.3%
36-40 years ...	17	14	3	18%	10	6	4	40%
41-50 years ...	13	12	1	7.7%	3	1	2	67%
51-60 years ...	6	4	2	33.33%	2	1	1	50%
61 & above ...	1	1	Nil.	Nil.	2	2	Nil.	Nil.
Grand Total ...	916	826	90	9.8%	530	384	146	28%

TABLE 89

CASES OF SMALL-POX ADMITTED IN THE CITY FEVER HOSPITAL, ARTHUR ROAD,  
AND CASE FATALITY RATE FROM 1941 TO 1954.

Year	Admissions	Deaths	Recovered	Case fatality rate	Case fatality rate excluding moribund cases which died in 48 hours.
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%
1953	730	152	578	20.8%	13.1%
1954	1,444	236	1,208	16.3%	10.6%

TABLE 90

DIPHTHERIA ADMISSIONS, ETC., IN THE CITY FEVER HOSPITAL, ARTHUR ROAD,  
AND CASE FATALITY RATE FROM 1940 TO 1953

Year	Admissions	Deaths	Recovered	Case fatality rate	Case fatality rate excluding moribund cases which died in 48 hours
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%
1953	1470	111	1359	7.5%	1.5%
1954	2588	150	2438	5.8%	1.2%

TABLE 91

INCIDENCE BY LOCALITY OF DIPHTHERIA, ENTERIC FEVER AND CEREBRO SPINAL FEVER CASES  
ADMITTED IN THE ARTHUR ROAD HOSPITAL, DURING THE YEAR 1954.

Locality	Fort	Kal- badevi	Gir- gaum	Don- gri	Maz- gion and Byculla	Tee- deo	Worli	Parel	Dadar	Mahim	BOMBAY SUBURBS.					Im- por- ted	Total
											H ward	K	L	M	N		
Enteric Fever.																	
Cured	267	94	187	215	251	109	150	240	185	168	92	73	40	41	39	93	2244
Died	22	11	8	18	12	4	10	18	10	4	2	10	3	5	3	3	143
Total	289	105	195	233	263	113	160	258	195	172	94	83	43	46	42	96	2387
Diphtheria.																	
Cured	143	120	207	322	347	164	122	204	249	165	110	62	42	26	29	126	2438
Died	5	8	7	14	20	6	11	13	24	4	5	8	4	5	2	14	150
Total	148	128	214	336	367	170	133	217	273	169	115	70	46	31	31	140	2588
Cerebro Spinal Fever																	
Cured	...	...	..	..	...	...	...	...	...	1	...	...	1	...	...	...	2
Died	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2
Total	1	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	4

TABLE 92

INCIDENCE BY AGE OF DIPHTHERIA CASES ADMITTED IN THE CITY FEVER HOSPITAL,  
DURING THE YEAR 1954.

Age in Year	0— 1		2— 5		6— 10		11— & onwards.		Total.	
	Cured	Died	C.	D.	C.	D.	C.	D.	C.	D.
Male ...	96	25	529	50	294	4	340	2	1259	81
Female ...	76	30	392	31	340	6	371	2	1179	69
Total ...	172	55	921	81	634	10	711	4	2438	150

TABLE 93

CLINICAL TYPES OF CASES OF DIPHTHERIA ADMITTED DURING THE YEAR 1954.

Types of Cases.	Admissions.	Deaths.	Case fatality rate.	Case fatality rate excluding moribund cases.
(1) Faucial	1913	29	1.5%	0.3%
(2) Laryngeal	71	23	32.4%	7.0%
(3) Nasal	154	...	...	...
(4) Pharynx	15	3	20.0%	...
(5) Tongue	19	...	...	...
(6) Haemorrhagic	4	3	75.0%	50.0%
(7) Faucial and Laryngeal	197	78	39.6%	11.6%
(8) No membrane	182	...	...	...
(9) Faucial and Nasal	15	5	33.3%	...
(10) Lips Tongue, Faucial & Anal	1	1	100.0%	...
(11) Faucial Laryngeal Nasal	8	5	62.5%	...
(12) Faucial, Laryngeal Pharyngeal	8	2	25.0%	...
(13) Faucial, Laryngeal Vulval	1	1	100.0%	...

TABLE 94

SYMPTOMS AND COMPLICATIONS IN THE CASES OF ENTERIC FEVER, ADMITTED IN THE  
CITY FEVER HOSPITAL, ARTHUR ROAD, DURING THE YEAR 1954.

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	447	18.6%	345	102	22.8%
Broncho-Pneumonia	173	7.2%	152	21	12.1%
Meningismus	128	5.3%	105	23	17.9%
Perforation	13	0.5%	13	...	...
Parotitis	10	0.4%	10	...	...
Relapse	184	7.7%	152	32	17.3%
Dehydration	195	8.2%	171	24	12.3%
Haemorrhage	43	1.8%	35	8	9.3%
Failure of peripheral circulation.	101	4.2%	19	82	81.1%

TABLE 95

ENTERIC FEVER : CASE AND FATALITY RATE. 1941 TO 1954.

Year.	Admissions.	Deaths.	Recovered.	Case fatality rate.	Case fatality rate excluding moribund cases.
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	1,554	250	1,304	16%	12.2%
1953	2056	205	1,851	10.0%	7.2%
1954	2387	143	2244	5.9%	3.3%

TABLE 96

INCIDENCE BY AGE OF ENTERIC FEVER CASES ADMITTED IN THE CITY FEVER HOSPITAL, ARTHUR ROAD, DURING THE YEAR 1954.

Age in year.	0 — 10		11 — 20		21 — 30		31 — 40		41 — 50		Total.	
	Cured	Died	C.	D.	C.	D.	C.	D.	C.	D.	C.	D.
Male	113	9	595	36	853	44	191	3	73	12	1,825	104
Female	84	5	181	16	110	11	31	4	13	3	419	39
Total	197	14	776	52	963	55	222	7	86	15	2,244	143

TABLE 97

CEREBRO-SPINAL FEVER CASES ADMITTED IN THE CITY FEVER HOSPITAL ARTHUR ROAD DURING THE YEARS 1941 TO 1954 AND CASE FATALITY RATES.

Year.	Admissions.	Deaths.	Recovered.	Mortality rate.	Mortality rate excluding moribund cases
1941	66	29	37	44.0%	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%	30.0%
1952	4	...	4	Nil	Nil
1953	4	3	1	75.0%	50.0%
1954	4	2	2	50.0%	Nil

TABLE 98

CASES OF CEREBRO-SPINAL FEVER ADMITTED IN THE CITY FEVER HOSPITAL,  
ARTHUR ROAD DURING THE YEAR 1954—INCIDENCE BY AGE.

Age in Years.	0-10		11-20		21-30		31-40		41 and above.		Total.		
	Cured	Died	C.	D.	C.	D.	C.	D.	C.	D.	C.	D.	
Male	..	...	1	...	1	2	...	..	..	..	..	2	2
Female	..	...	...	...	..	...	..	..	..	..	..	..	..
Total	..	...	1	...	1	2	...	..	...	...	..	2	2

TABLE 99

CHOLERA ADMISSIONS AND DEATHS IN THE CITY FEVER HOSPITAL,  
ARTHUR ROAD, DURING THE YEAR 1954.

Year.	Admissions.	Deaths.	Recovered.	Mortality rate.	Mortality rate excluding moribund cases.
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	33.3%	8.3%
1953	84	28	56	33.3%	6.0%
1954	1	..	1	..	..

TABLE 100

*Incidence of Polio cases admitted in the City Fever Hospital during the year 1954*

Variety	Total admitted	Cured	Deaths	Mortality rate
Spinal	...	69	69	...
Bulbar	...	3	3	100%
Bulbo-spinal	...	1	1	100%

(All the cases that expired were admitted in a moribund condition and died within 48 hours of their admission).

TABLE 101

MATERIALS EXAMINED AT THE CLINICAL LABORATORY AT THE ARTHUR ROAD HOSPITAL, DURING THE YEAR 1954,

<b>(A) Investigations—</b>					
<b>(1) Pathological—</b>					
(i) Routine examination of urine	...	...	...	...	2,187
<b>(ii) Examination of Blood—</b>					
(1) Cytological examination	...	...	...	...	1,678
(2) Grouping and matching of blood for transfusion	...	...	...	...	240
(iii) Examination of faeces...	...	...	...	...	103
(iv) Examination of sputa	...	...	...	...	184
<b>(v) Examination of Puncture Fluid—</b>					
(a) Cerebro-spinal fluid	...	...	...	...	476
(b) Plus from boil.	...	...	...	...	2
<b>(2) Bacteriological—</b>					
<b>(1) Urine—</b>					
(a) Cultural examination	...	...	...	...	2
<b>(2) Blood—</b>					
(a) Cultural examination	...	...	...	...	4
<b>(b) Serological examination—</b>					
(1) Widal reaction	...	...	...	...	7,241
(2) Kahn Test...	...	...	...	...	228
(3) Napier Aldehyde Test	...	...	...	...	8
(4) Weil Felix.	...	...	...	...	1,326
<b>(iii) Puncture Fluid-Cultural examination—</b>					
(1) Cerebro-spinal fluid	...	...	...	...	5
<b>(iv) Cultural examination of—</b>					
(1) Throat Swab	...	...	...	...	2,812
(2) Nasal swab	...	...	...	...	214
(3) Tongue swab	...	...	...	...	7
(4) Cheek swab	...	...	...	...	3
(5) Vaginal swab	...	...	...	...	6
(6) Ear swab	...	...	...	...	8
(7) Rectal swab	...	...	...	...	319
<b>(v) Examination for the presence of micro-organisms—</b>					
<b>(C. Diphtheria) :—</b>					
(1) Throat swab	...	...	...	...	13,049
(2) Nasal swab	...	...	...	...	1,228
(3) Eye swab	...	...	...	...	11
(4) Tongue swab	...	...	...	...	23
(5) Ear swab	...	...	...	...	21
(6) Vaginal swab	...	...	...	...	3
(7) Lip swab	...	...	...	...	13
(8) Mouth swab	...	...	...	...	2
(9) Cheek swab	...	...	...	...	2
(10) Palate swab	...	...	...	...	7
(11) Tracheal swab	...	...	...	...	2
(12) Vulval swab	...	...	...	...	19
(13) Analswab	...	...	...	...	11
<b>(vi) Examination for the presence of micro-organisms (V. Cholera).</b>					
(1) Rectal swab	...	...	...	...	731
<b>(3) Bio-Chemical—</b>					
<b>(1) Cerebro-spinal-fluid—</b>					
(a) Chlorides	...	...	...	...	476
<b>(2) Blood—</b>					
(a) Van Den Bergh's test	...	...	...	...	259
(b) Icterus Index	...	...	...	...	137
<b>Total</b>					<b>33,047</b>
<b>(B) Injectable materials prepared—</b>					
Normal saline...	...	...	...	...	8730 bottles (1×500 c.c.)
Hypertonic saline	...	...	...	...	2360 bottles (1×900 c.c.)
Sterile Distilled Water for dissolving Penicillin, Glucose, etc.	...	...	...	...	190 bottles (1×500 c.c.)
Blood transfusion	...	...	...	...	190

TABLE No. 102

Statement of Samples examined chemically at the Municipal Laboratory

Received from.	WATER.			FOOD-STUFFS.													OTHER FOOD-STUFFS.					Miscellaneous.					TOTAL.			
	Bombay.	Well.	Other.	Milk.	Chee.	Butter.	Vegetable Product.	Margarine.	Tea and Tea-Dust.	Coffee.	Turmeric Powder.	Cur's.	Chilli Powder.	Sago.	Zira.	Chikki.	Oils.	Ice-Candy.	Food Grains.	Flours.	Prepared Tea.	Miscellaneous.	Ink.	Paint.	Soap.	Miscellaneous.		Chemicals.	Urine.	
The Inspectors from A & B Wards ...	...	...	...	403	43	39	5	...	32	12	30	2	16	8	52	...	483	8	...	5	180	5	...	...	...	...	...	...	...	1323
Do. C & D Wards ...	...	11	7	452	78	18	7	...	39	5	12	1	1	4	16	...	346	4	...	...	120	8	...	...	...	...	...	...	...	1129
Do. E Ward ...	...	1	5	306	3	27	17	...	35	2	19	3	17	4	15	...	270	11	...	15	194	...	...	...	...	...	...	...	...	944
Do. F Ward ...	...	...	2	131	4	2	...	1	9	1	...	...	1	2	3	...	22	1	...	...	45	...	...	...	...	2	2	...	228	
Do. G Ward ...	...	...	1	83	4	12	5	3	7	3	8	12	1	4	15	...	106	3	...	7	78	1	...	...	...	...	...	...	...	353
Do. Suburbs ...	...	56	13	693	84	13	1	...	12	...	...	...	5	...	...	33	251	3	...	...	72	8	...	...	...	...	...	...	1244	
The M. A. (Food) ...	...	...	...	2826	316	922	27	9	258	49	175	163	78	6	...	...	691	2	...	21	525	15	...	...	...	...	...	...	6083	
The Food Inspectors ...	...	...	...	4679	154	210	88	4	71	35	65	22	43	...	...	...	647	13	...	13	324	17	...	...	...	...	...	...	6385	
The Executive Health Officer ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	3	...	...	...	...	...	...	12	
The Asst. Health Officer A & B Wards ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	6	
The Municipal Hospitals ...	...	...	...	212	11	17	...	...	...	...	...	...	...	...	...	...	8	...	...	...	...	1	...	...	...	2	...	...	281	
The MO School ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	72	...	...	...	...	...	1	...	...	...	...	...	...	74	
The Hydraulic Engineer ...	172	3	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	208	
The Chief Engineer (D.T) ...	1	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24	
The Insecticides Officers ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	2	...	5	
The Election and Town Duty Office ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	1	38	51	39	30	247	...	166	
The Controller of Stores ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	247	
The Superintendent of License ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	119	
The A.SL Suburbs ...	...	...	9	...	7	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	6	...	...	...	17	...	609	724	
The Other Municipal Authorities ...	74	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	292	
Private Parties ...	...	10	7	06	210	162	...	...	1	...	8	1	1	...	...	66	...	...	...	...	1	...	...	...	1	...	...	...	881	
<b>TOTAL</b> ...	<b>246</b>	<b>82</b>	<b>90</b>	<b>9891</b>	<b>915</b>	<b>1422</b>	<b>150</b>	<b>17</b>	<b>464</b>	<b>107</b>	<b>317</b>	<b>204</b>	<b>163</b>	<b>28</b>	<b>101</b>	<b>114</b>	<b>2898</b>	<b>45</b>	<b>6</b>	<b>61</b>	<b>1539</b>	<b>84</b>	<b>39</b>	<b>51</b>	<b>40</b>	<b>84</b>	<b>3 8</b>	<b>901</b>	<b>20427</b>	

TABLE No. 103  
Samples examined Bacteriologically.

RECEIVED FROM.	Water.			Samples for Diagnostic purposes.									Miscellaneous						TOTAL
	Bombay.	Well.	Other.	Sputum for T. B.	Sputum for Other Tests	Swab for Diphtheria.	Blood for Malaria Parasites.	Blood for Differential Count.	Blood for other Tests.	Smear for Gonococci.	Stool for General Examination.	Vaccine	Disinfectants	Miscellaneous food-stuffs	Ice-Candy	Milk	Mutton and Beef	Aerated water.	
The Insps. from A & B Wards ...	...	5	62	...	...	373	...	...	...	...	...	...	...	8	...	...	1	...	449
" " " C & D " ...	...	9	21	...	...	747	...	...	...	...	...	...	...	2	1	1	...	...	780
" " " E " ...	...	...	18	...	...	669	...	...	...	...	...	...	...	2	12	...	...	1	702
" " " F " ...	...	1	2	...	...	435	...	...	...	...	...	...	...	...	4	...	...	...	442
" " " G " ...	...	...	1	...	...	112	...	...	...	...	...	...	...	...	...	...	...	1	114
" " " Suburbs. ...	...	15	23	...	...	631	...	...	...	...	...	...	...	...	...	1	...	1	671
The Supdt. of Vaccination. ...	...	...	...	...	...	...	...	...	...	...	...	103	...	...	...	...	...	...	103
The Controller of Stores ...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	13
The Hydraulic Engineer ...	167	...	192	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	359
The Chief Engineer (D. T.) ...	...	...	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35
M.A. (Bombay Port Trust) ...	...	...	433	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	433
The Other Municipal Authorities ...	75	...	18	810	98	7	1088	497	186	50	233	...	...	14	...	...	5	...	3081
Private Parties ...	...	1	36	49	...	5	14	11	3	36	4	...	1	3	...	...	42	1	206
<b>Total ...</b>	<b>242</b>	<b>31</b>	<b>841</b>	<b>859</b>	<b>98</b>	<b>2979</b>	<b>1102</b>	<b>508</b>	<b>189</b>	<b>86</b>	<b>237</b>	<b>103</b>	<b>14</b>	<b>29</b>	<b>17</b>	<b>2</b>	<b>48</b>	<b>4</b>	<b>7388</b>
	No. found unsatisfactory.			...	No. found.	...	Positive.	...	...	No. found.			...	...	unsatisfactory.				
	...	30	124	115	29	6	...	...	...	26	114	...	3	13	9	1	6	1	



TABLE 104.

Samples of Food-Stuffs examined under the Bombay Prevention of Adulteration Act with the results during the year ending 31st December 1954.

RECEIVED FROM	MILK.			CHEESE.			BUTTER.			VEGETABLE PRODUCT.			MARGARINE.			TEA.			COFFEE.			TURMERIC.			CURDS.			CHILLI POWDER.			SAGO.			ZEERA.			OILS.			PREPARED TEA.		
	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.	% of Adulteration	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.	% of Adulteration	Total.	Below the Standard.	% of Adulteration	Total.	Below the Standard.	% of Adulteration						
The Inspectors from A and B Wards	302	156	51.7	43	1	2.3	39	17	43.6	5	...	...	...	...	32	11	34.4	12	7	58.3	30	6	20.0	2	...	...	16	4	25.0	8	8	100.0	52	...	...	483	42	8.7	180	33	18.3	
" " " C and D "	315	154	48.9	78	5	6.4	18	8	44.9	7	...	...	...	...	39	2	5.1	5	2	40.0	12	4	33.3	1	...	...	1	...	...	4	4	100.0	16	...	...	346	26	7.5	120	18	15.0	
" " " E Ward	300	118	39.3	3	...	...	27	20	74.1	17	...	...	...	...	35	2	5.7	2	...	...	19	5	26.3	3	3	100.0	17	6	35.3	4	4	100.0	15	...	...	270	38	14.1	194	50	25.8	
" " " F "	125	63	50.4	4	...	...	2	1	50.0	...	...	...	1	...	...	9	...	...	1	1	100.0	...	...	...	...	...	1	...	...	2	2	100.0	3	...	...	22	1	4.5	45	6	13.3	
" " " G "	82	27	32.9	4	...	...	12	10	83.3	5	...	...	3	...	...	7	1	14.3	3	3	100.0	8	...	...	12	4	33.3	1	...	...	4	4	100.0	15	...	...	106	25	23.6	78	14	17.9
" " " Suburbs	513	240	46.8	84	1	1.2	13	7	53.8	1	...	...	...	...	12	3	25.0	...	...	...	8	...	...	...	...	...	5	2	40.0	...	...	...	...	...	...	251	24	9.6	72	7	9.7	
The M. A. Food	1,951	725	32.2	316	35	11.1	922	492	53.4	27	2	7.4	9	1	11.1	258	84	32.6	49	49	100.0	175	119	68.8	163	41	25.2	78	36	46.2	6	6	100.0	...	...	...	691	110	15.9	525	117	22.3
The Food Inspectors	3,923	1,030	26.3	154	8	5.2	210	91	53.3	88	...	...	4	...	...	71	7	9.9	35	31	88.6	65	48	73.8	22	11	50.0	43	21	48.8	...	...	...	...	...	...	647	102	15.8	324	82	25.3
Total	7,511	2,513	33.5	686	50	7.3	1,243	646	51.9	150	2	1.3	17	1	5.9	463	110	23.8	107	93	86.9	309	182	58.9	203	59	29.1	162	69	42.6	28	28	100.0	101	...	...	2,816	368	13.1	1,538	327	21.3

**TABLE 105**  
*Chemical analysis of Bombay waters samples*  
 (1954)  
 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
<i>Tansa Water from the Tansa Lake :—</i>																								
Total Solids ...	9.0	9.0	9.0	10.0	10.0	9.0	9.0	9.0	9.1	9.2	10.0	9.3	9.0	10.6	10.6	9.0	9.0	9.0	9.0	8.0	8.5	9.0	9.0	10.0
Chlorides (Cl.) ...	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.95	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.8
Free Ammonia ...	0.008	0.004	0.002	0.002	0.005	0.008	0.006	Nil.	0.008	0.001	0.004	0.008	0.004	0.008	0.001	0.008	0.001	0.004	0.005	0.004	0.001	Nil.	Nil.	Nil.
Albuminoid Ammonia ...	0.020	0.024	0.025	0.017	0.020	0.012	0.016	0.022	0.012	0.018	0.014	0.018	0.008	0.018	0.009	0.018	0.009	0.009	0.010	0.016	0.014	0.011	0.005	0.010
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.204	0.028	0.072	0.097	0.097	0.087	0.037	0.026	0.042	0.051	0.085	0.045	0.064	0.047	0.066	0.098	0.023	0.072	0.039	0.038	0.038	0.032	0.032	0.060
<i>Tansa Water from the 48" Tansa Main at Sion Cabin :—</i>																								
Total Solids ...	9.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	9.0	...	...
Chlorides (Cl.) ...	0.8	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	0.9	1.0	1.0	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.9	...	...
Free Ammonia ...	Nil	Nil.	Nil	0.002	Nil.	0.001	0.001	Nil.	Nil	Nil	0.001	Nil.	0.004	0.001	Nil.	0.001	Nil.	Nil.	0.001	0.001	Nil.	Nil.	...	...
Albuminoid Ammonia ...	0.024	0.012	0.015	0.007	0.010	0.006	0.017	0.022	0.007	0.012	0.008	0.007	0.008	0.007	0.006	0.008	0.006	0.006	0.007	0.008	0.007	0.006	...	...
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.063	0.022	0.061	0.036	0.042	0.042	0.016	0.020	0.035	0.025	0.047	0.030	0.018	0.047	0.028	0.015	0.010	0.032	0.028	0.028	0.042	0.008	...	...
<i>Tansa Water from the Inlet at Malabar Hill Reservoir :—</i>																								
Total Solids ...	9.0	9.0	10.0	9.0	10.0	10.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	8.0	8.0	9.0	10.1	10.0
Chlorides (Cl.) ...	0.8	0.8	1.0	0.8	1.0	1.0	0.9	0.9	1.0	1.1	0.95	0.8	0.8	0.8	1.0	0.9	1.0	1.0	0.9	0.9	0.8	0.9	0.8	0.8
Free Ammonia ...	0.008	Nil.	0.016	0.002	Nil.	0.001	0.003	Nil.	0.001	Nil.	0.001	Nil.	0.001	0.001	Nil.	Nil.	Nil.	Nil.	0.001	0.001	0.001	0.001	Nil.	0.002
Albuminoid Ammonia ...	0.016	0.012	0.023	0.010	0.012	0.010	0.009	0.018	0.012	0.006	0.010	0.009	0.004	0.006	0.007	0.006	0.002	0.004	0.004	0.010	0.011	0.008	0.003	0.006
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.048	0.018	0.047	0.040	0.049	0.053	...	...	0.018	...	0.039	0.015	0.018	0.020	...	0.015	0.010	0.018	0.018	0.008	0.023	0.008	0.008	0.012
<i>Tulsi Water from Tulsi Lake :—</i>																								
Total Solids ...	12.0	14.0	13.0	13.0	12.0	12.0	11.0	13.0	14.3	11.5	12.0	10.2	12.0	12.6	12.0	10.0	12.0	12.0	10.0	10.0	9.0	10.0	10.0	9.1
Chlorides (Cl.) ...	1.2	1.4	1.3	1.3	1.2	1.4	1.3	1.3	1.3	1.5	1.5	1.4	1.2	1.2	1.1	1.0	1.2	1.3	1.0	1.0	1.0	1.1	1.1	1.2
Free Ammonia ...	0.001	0.001	Nil.	0.004	Nil.	Nil.	0.003	Nil.	0.010	0.001	0.012	0.008	0.001	0.001	0.004	Nil.	Nil.	Nil.	0.001	Nil.	Nil.	0.004	Nil.	Nil.
Albuminoid Ammonia ...	0.020	0.044	0.043	0.024	0.030	0.022	0.028	0.022	0.024	0.012	0.024	0.026	0.020	0.020	0.009	0.010	0.012	0.014	0.011	0.014	0.014	0.017	0.014	0.014
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.071	0.097	0.096	0.097	0.096	0.097	0.092	0.061	0.103	0.119	0.092	0.100	0.090	0.090	0.048	0.043	0.038	0.140	0.047	0.042	0.076	0.025	0.057	0.079
<i>Tansa Water from 57" Tansa Main at Bandra Cabin :—</i>																								
Total Solids ...	9.0	9.0	10.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	8.0	8.0	9.0	...	...
Chlorides (Cl.) ...	0.8	0.8	1.0	0.8	0.8	1.2	0.8	1.9	0.9	1.0	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	...
Free Ammonia ...	0.012	Nil.	0.024	0.008	0.001	0.001	0.001	Nil.	Nil.	0.001	0.001	0.001	0.001	0.001	Nil.	0.001	Nil.	Nil.	Nil.	0.001	Nil.	Nil.	...	...
Albuminoid Ammonia ...	0.016	0.007	0.007	0.009	0.011	0.013	0.012	0.008	0.007	0.008	0.009	0.008	0.007	0.007	0.005	0.007	0.007	0.007	0.010	0.014	0.011	0.009	...	...
Oxygen absorbed at 80°F. (Tidy's Process)...	0.024	0.022	0.032	0.038	0.047	0.077	0.016	0.018	0.034	0.025	0.045	0.030	0.045	0.025	0.030	0.015	0.020	0.028	0.030	0.018	0.030	0.016	...	...

TABLE 105—(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	
<i>Vehar Water from the Vehar Lake:—</i>																									
Total Solids ... ..	12.0	12.0	12.0	9.0	10.0	12.0	13.0	13.0	11.2	10.0	12.0	11.6	12.0	12.2	12.0	11.0	13.0	13.0	12.0	11.0	10.0	10.0	10.0	9.6	
Chlorides (Cl.) ... ..	1.2	1.2	1.2	1.2	1.2	1.4	1.3	1.3	1.2	1.4	1.3	1.2	1.2	1.2	1.0	1.0	1.2	1.3	1.2	1.1	1.2	1.0	1.0	1.2	1.1
Free Ammonia ... ..	0.001	Nil.	Nil.	Nil.	Nil.	Nil.	0.003	Nil.	0.004	Nil.	0.001	0.008	0.001	0.008	Nil.	Nil.	Nil.	0.004	Nil.	0.001	Nil.	Nil.	Nil.	Nil.	Nil.
Albuminoid Ammonia ... ..	0.018	0.020	0.018	0.018	0.013	0.014	0.012	0.013	0.012	0.008	0.012	0.012	0.009	0.018	0.012	0.018	0.012	0.014	0.024	0.018	0.016	0.018	0.0.8	0.009	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.050	0.074	0.072	0.088	0.079	0.082	0.049	0.026	0.051	0.042	0.068	0.060	0.081	0.080	0.053	0.053	0.055	0.082	0.039	0.054	0.047	0.033	0.064	0.064	
<i>Tansa Water from the Inlet at Bhandarwada Reservoir:—</i>																									
Total Solids ... ..	9.0	9.0	10.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	8.0	8.0	9.0	8.2	9.0	
Chlorides (Cl.) ... ..	0.8	0.8	1.0	0.8	0.8	1.2	0.9	0.9	0.9	0.9	0.9	1.0	0.8	0.8	1.0	0.9	0.9	1.0	0.9	0.85	0.8	0.9	0.9	0.8	
Free Ammonia ... ..	0.001	Nil.	0.0212	Nil.	Nil.	0.008	0.003	Nil.	Nil.	0.001	0.001	Nil.	0.001	0.001	0.001	Nil.	0.001	Nil.	0.001	Nil.	Nil.	Nil.	Nil.	Nil.	0.002
Albuminoid Ammonia ... ..	0.004	0.005	0.008	0.006	0.008	0.012	0.0011	0.009	0.016	0.011	0.007	0.010	0.004	0.006	0.007	0.007	0.006	0.005	0.004	0.009	0.009	0.012	0.001	0.008	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.012	0.020	0.031	0.031	0.003	0.066	0.016	0.018	0.022	0.028	0.032	0.045	0.030	0.021	0.008	0.023	0.015	0.010	0.028	0.010	0.008	0.016	0.016	0.008	
<i>Tansa Water from the outlet at Gowalia Tank Fire Bridge Station:—</i>																									
Total Solids ... ..	9.0	9.0	10.0	9.0	10.0	10.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	9.0	...	...	
Chlorides (Cl.) ... ..	0.9	0.8	1.0	0.8	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.8	0.8	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.9	...	...	
Free Ammonia ... ..	0.011	Nil.	0.024	0.002	0.002	0.001	0.003	0.001	0.001	0.001	0.001	Nil.	0.008	0.021	Nil.	0.001	Nil.	Nil.	0.001	Nil.	Nil.	Nil.	...	...	
Albuminoid Ammonia ... ..	0.013	0.004	0.006	0.007	0.012	0.014	0.014	0.007	0.012	0.004	0.011	0.011	0.007	0.009	0.012	0.009	0.003	0.009	0.005	0.010	0.013	0.010	...	...	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.018	0.018	0.022	0.039	0.049	0.079	0.012	0.020	0.032	0.038	0.028	0.030	0.028	0.056	0.024	0.023	0.010	0.028	0.022	0.021	0.022	0.008	...	...	
<i>Tulsi Water from 24<sup>th</sup> Tulsi Main at Santa Cruz:—</i>																									
Total Solids ... ..	12.0	14.0	12.0	10.0	10.0	10.0	13.0	13.0	14.0	11.0	12.0	10.0	11.0	11.0	10.0	10.0	12.0	12.0	10.0	10.0	9.0	10.0	...	...	
Chlorides (Cl.) ... ..	1.1	1.2	1.2	1.0	1.2	1.2	1.4	1.8	1.2	1.4	1.2	1.4	1.0	1.0	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.1	...	...	
Free Ammonia ... ..	0.011	0.011	0.024	0.021	Nil.	0.001	0.010	0.003	0.008	0.008	0.008	0.004	0.003	Nil.	0.039	0.001	0.001	0.005	Nil.	0.001	Nil.	Nil.	...	...	
Albuminoid Ammonia ... ..	0.018	0.005	0.022	0.022	0.024	0.019	0.022	0.012	0.012	0.018	0.012	0.011	0.008	0.008	0.008	0.012	0.007	0.010	0.011	0.009	0.007	0.013	...	...	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.025	0.042	0.078	0.088	0.089	0.093	0.067	...	0.058	0.067	0.062	0.060	0.030	0.024	0.023	0.043	0.032	0.032	0.023	0.018	0.016	0.139	...	...	
<i>Vehar Water from 48<sup>th</sup> Vehar Main at Powai:—</i>																									
Total Solids ... ..	12.0	12.0	12.0	10.0	11.0	13.0	13.0	13.0	11.0	10.0	12.0	11.0	12.0	12.0	12.0	11.0	12.0	12.0	12.0	11.0	10.0	10.0	...	...	
Chlorides (Cl.) ... ..	1.2	1.2	1.2	1.0	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.2	1.2	1.0	1.1	1.2	1.2	1.2	1.1	1.2	1.0	...	...	
Free Ammonia ... ..	0.004	0.001	Nil.	0.002	Nil.	Nil.	0.027	0.001	0.004	0.001	0.001	0.004	0.003	0.004	0.001	0.001	Nil.	0.001	Nil.	0.001	0.001	Nil.	...	...	
Albuminoid Ammonia ... ..	0.016	0.014	0.048	0.014	0.006	0.012	0.015	0.009	0.012	0.014	0.010	0.009	0.006	0.005	0.007	0.016	0.009	0.008	0.008	0.015	0.011	0.011	...	...	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.050	0.048	0.056	0.061	0.037	0.067	0.055	0.020	0.022	0.041	0.042	0.060	0.016	0.080	0.038	0.038	0.038	0.046	0.030	0.022	0.034	0.008	...	...	

TABLE 105—(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		
<i>Tansa Water from the 57" East Tansa Main at Vankola—</i>																										
Total Solids ... ..																			9.0	8.0	8.0	9.0	9.0	9.0		
Chloride (Cl.) ... ..																			0.8	0.8	0.8	0.9	0.7	0.8		
Free Ammonia ... ..																			Nil.	Nil.	Nil.	Nil.	Nil.	Nil.		
Albuminoid Ammonia ... ..																			0.004	0.012	0.007	0.011	0.004	0.004		
Oxygen Absorbed at 80°F (Tidy's Process)...																			0.030	0.015	0.024	0.066	0.020	0.036		
<i>Tansa Water from the 57" West Tansa Main at Vankola—</i>																										
Total Solids ... ..																								8.0	8.5	
Chloride (Cl) ... ..																								0.8	0.8	
Free Ammonia ... ..																								Nil.	Nil.	
Aluminoid Ammonia ... ..																								0.003	0.004	
Oxygen absorbed at 80°F (Tidy's Process) ...																								0.020	0.012	
<i>Tansa Water from the 96" Tansa Main at Vankola—</i>																										
Total Solids ... ..																									9.0	9.0
Chlorides (Cl) ... ..																									0.8	0.8
Free Ammonia ... ..																									Nil.	Nil.
Albuminoid Ammonia ... ..																									0.003	0.004
Oxygen absorbed at 80°F (Tidy's Process) ...																									0.020	0.032
<i>Tulsi Water from the 24" Tulsi Main at Vankola—</i>																										
Total Solids ... ..																									10.0	10.0
Chloride (Cl) ... ..																									1.3	1.0
Free Ammonia ... ..																									Nil.	Nil.
Albuminoid Ammonia ... ..																									0.007	0.005
Oxygen absorbed at 80°F (Tidy's Process) ...																									0.020	0.027
<i>Vehar Water from the 32" Vehar Main at Katchra Cabin—</i>																										
Total Solids ... ..																									10.0	12.0
Chlorides (Cl) ... ..																									1.1	1.2
Free Ammonia ... ..																									Nil.	Nil.
Albuminoid Ammonia ... ..																									0.015	0.006
Oxygen absorbed at 80°F (Tidy's Process) ...																									0.36	0.27

TABLE 105—(Concl.)

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	I	I	II	I	II	I	II	I	II		
<i>Tansa Water from the 24" Dongri outlet at Keshaji Nail Fountain—</i>																										
Total Solids	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8.6	9.0	
Chlorides (Cl.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	0.8	
Free Ammonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nil.	0.005	
Albuminoid Ammonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.003	0.008	
Oxygen absorbed at 80°F (Tidy's Process)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.008	0.008	
<i>Tansa Water from the 36" Kalbadevi Outlet at the junction of Thakurdwar Road.</i>																										
Total Solids	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.6	9.0
Chlorides (Cl.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	0.8
Free Ammonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0104	0.004
Albuminoid Ammonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.004
Oxygen absorbed at 80°F (Tidy's Process)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.008	0.008

TABLE 106  
*Bacteriological Analysis of Bombay water samples.*  
 1954.  
*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 the 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 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	—	—
Vehar water from the 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 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 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 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 100	c. c. —in 100	c. c. —in 100
Tansa water from the 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 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 57" West 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	c. c. —in 100
Tansa water from the 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	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 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	—	—	
Tansa water from the 48" Old 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 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	—	—	
Tulsi water from the 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	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 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	—	—	

TABLE 106 (Concl'd.)

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 57" East Tansa Main at Vankola ...																				c. c. — in 100	c. c. — in 100	c. c. — in 100	c. c. — in 100	...	...
Tansa water from the 96" Tansa Main at Vankola ...																								c. c. — in 100	c. c. — in 100
Vehar water from the 32" Vehar Main at Katchra Cabin, Chembur.																								c. c. — in 100	c. c. — in 100
Tansa water from the 24" Dongri Outlet at Keshavji Naik Fountain.																								c. c. — in 100	c. c. — in 100
Tansa water from the 36" Kalbadevi Outlet at Jn. of Thakurdwar Road.																								c. c. — in 100	c. c. — in 100

TABLE 107

## 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 Calendar year	Number successful.	Percentage of successful vaccinations to the total No. of vaccinations, results of which were known.	No. of revaccinations.	No. of persons vaccinated including primary vaccinations.
1-	2	3	4	5	6	7
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
1953	64,955	67,045	60,097	99.99	5,33,291	6,00,326
1954	61,505	72,941	52,358	99.99	16,05,135	16,78,076

TABLE 108

## RESULTS OF PRIMARY VACCINATIONS BY AGES. (Bombay City)

Results.	Under 1 Year.	1 to 6 years.	6 years & above.	Total.	
Successful	...	41,471	10,806	81	52,358
Unsuccessful	...	2	...	1	3
Unknown	...	15,362	5,174	44	20,580

TABLE 109

## INCOME AND COST

Amount realised by the sale of lymph, etc.	Municipal moiety or the fees realised from private vaccinations	Municipal fees*	Fees realised from vaccination certificates and other items	Fees realised for the issue of certificates of vaccination in international form.	Total realised	Cost of each successful operation taking into account all charges in.		Cost of each successful vaccination deducting the total income of the year.		Cost of each vaccination (primary & re).	
						1953	1954	1953	1954	1953	1954
1	2	3	4	5	6	7		8		9	
Rs. a. p.	Rs. a. p.	Rs.	Rs.	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
11,941 0 6	4,148 4 0	4,750 0 0	345 0 0	15,516 0 0	36,700 4 6	3 4 0	3 7 5	2 14 5	2 15 4	0 5 2	0 2 0

\*Municipal fees (Moiety only) realised from Medical and private students for receiving instructions in vaccination.



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