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**ADMINISTRATION REPORT**  
**OF THE**  
**MUNICIPAL COMMISSIONER**  
**FOR THE**  
**CITY OF BOMBAY**  
**FOR THE YEAR 1942-43**



BOMBAY :  
MUNICIPAL PRINTING PRESS.  
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# Review of the Standing Committee of the Administration Report of the Municipal Commissioner for the City of Bombay for the year 1942-43.

The Municipal Commissioner's Administration Report for the year 1942-43 sets out in detail the working of the civic administration during the year. The World War continued

**Introductory.** to have its baneful influence on many aspects of the civic life and the beginning of the year was marked by a great scare in the City. Precautionary measures to safeguard the civic services against any enemy action were devised and executed post-haste and all efforts were concentrated thereon. However, the routine administration was not allowed to suffer and the Municipal machinery continued to function efficiently as far as it was possible to do so under the conditions created by the War.

2. Mr. Yusuf J. Meherally, B.A., LL.B., held the Office of the Mayor of Bombay during the year. Mr. Motichand G. Kapadia, B.A., LL.B., was the Chairman of the Standing Corporation. Committee, Dr. Jethalal V. Vora, L.M. & S., Chairman of the Improvements Committee, and Prof. D. R. Charpure, M.A., B.Sc., Chairman of the Schools Committee, during the year. The personnel constituting these bodies at the end of the year is set forth in paragraph 11 of the Municipal Commissioner's Administration Report. Mr. K. N. Joglekar, Mr. S. B. More and Mr. M. S. Nazimbux lost their seats on the Corporation owing to their absence from the Corporation Meetings for twelve successive months. Besides, Mr. Abdul Razak Abdulla, Mr. R. S. Nimbkar and Mr. Krishnaraj M. D. Thackersey resigned their seats on the Corporation during the year.

3. Mr. M. D. Bhat, I.C.S., continued to hold the office of the Municipal Commissioner for the year.

4. There was no variation in the rates of taxation levied by the Corporation as compared with those levied in the preceding year.

The year commenced with a balance of Rs. 34.11 lacs on hand which was an improvement by Rs. 7.19 lacs over that of the previous year. The Budgeted Income was Rs. 3,70.37 lacs while the actual realisations came to Rs. 3,89.02 lacs showing an excess of Rs. 18.65 lacs over the budgeted figure and of Rs. 21.36 lacs over the actual income for 1941-42. On the Expenditure Side also, there were favourable variations. Against the Budgeted Expenditure of Rs. 3,74.65 lacs, the actual amount spent was Rs. 3,64.65 lacs which showed a saving of Rs. 10 lacs over the budgeted figure but which was in excess by Rs. 5.43 lacs over the actuals for the last year which amounted to Rs. 3,59.22 lacs. These favourable variations in the Budget Estimates converted the Budgeted Deficit of Rs. 4.29 lacs into a surplus of Rs. 24.36 lacs against the surplus of Rs. 8.45 lacs of the preceding year. Consequently, the anticipated closing balance of Rs. 13.87 lacs rose to a very decent amount of Rs. 45.86 lacs after repayment of Advances in the course of the year under report to the tune of Rs. 12.61 lacs.

5. The principal increases in Income over the Budget Estimates were under (1) General Tax by Rs. 3.51 lacs due to increased realisation of (a) Rs. 2.50 lacs from Government who paid the taxes for the year during the year instead of in arrears as hitherto, (b) Rs. .54 lac from the Bombay Port Trust, (c) Rs. .33 lac from the General Public, etc., (2) Town Duties by Rs. .33 lac due to less amount of refunds paid during the year, (3) Miscellaneous by Rs. .63 lac of which Rs. .52 lac was mainly due to recovery of Supervision Charges in respect of works on Civil Defence Measures carried out on behalf of Government, (4) Water Tax, etc., by Rs. 2 lacs due to increase in the rate of water supply to cotton and other mills from Annas 10 to Annas 14 per 1,000 gallons, (5) Wheel Tax by Rs. 2.84 lacs of which an amount of Rs. 1.92 lacs was recovered from Public Conveyances for 1941-42 as a result of extension of period granted in that behalf and Rs. .92 lac from Private Conveyances as there were five quarterly issues of bills in the year on account of the levy of tax in advance from 1st July 1942, as against the normal four in the past year, (6) Mechanical—Miscellaneous Receipts—by Rs. .65 lac being sale proceeds of Plant and Machinery, such as, steam rollers, etc., and sale of gas from the Dadar Purification Works, (7) Markets and Slaughter Houses by Rs. 1.82 lacs which include Rs. 1.42 lacs received as increased slaughter fees and (8) Extraordinary Receipts under which an amount of Rs. 6.28 lacs was the refund to the Municipal General Fund of the excess amount of contribution paid from 1st October 1933 to 31st March 1940 to the Improvement Schemes Account.

There was a decrease of Rs. .69 lac in the Income under Contribution from Capital Funds to Revenue due to decreased expenditure on Loan Works. Similarly, Buildings, Land Acquisition and Management accounted for a decrease of Rs. .40 lac owing to commutation of ground rents and reduced receipts from fees for projecting verandahs, balconies, etc. During the year the sale proceeds of surplus land amounted to Rs. 5.08 lacs which fell short of Rs. 10 lacs to be credited to Revenue on this account by Rs. 4.92 lacs. This last amount was transferred to Revenue from the Land Sales Reserve Fund, the balance in which at the end of the year after paying the said amount stood at Rs. 26.43 lacs.

6. As already stated above, the actual expenditure for the year decreased by Rs. 10 lacs as compared with the Budgeted Expenditure. The final sanctioned grants for the year aggregated to Rs. 4,19.23 lacs against Rs. 3,81.5 lacs in the previous year. As the actuals for the year amounted to Rs. 3,64.65 lacs, there was an unexpended balance of Rs. 54.58 lacs at the close of the year of which Rs. 16.73 lacs were renewed for expenditure in 1943-44 and the balance of Rs. 37.85 lacs was treated as savings on final grants. Transfers from one Budget head to another during the year without disturbing the total Budget provisions amounted to Rs. 5.68 lacs.

The principal items which accounted for decreases in expenditure were:—

(1) Election Expenses, Rs. 2.91 lacs; (2) Water Works, Rs. 1.41 lacs; (3) Education (Primary), Rs. 3.15 lacs; (4) Public Health Department, Rs. .27 lac; (5) Medical Relief, etc., Rs. .92 lac; (6) Street Cleansing, etc., Rs. 1.41 lacs; (7) Roads, Drains and Sewers, Rs. 3.59 lacs; (8) Mechanical, Rs. .91 lac; (9) Buildings, Land Acquisition and Management, Rs. .43 lac; (10) Fire Brigade, Rs. .15 lac; (11) Markets and Slaughter Houses, Rs. .42 lac; (12) Contribution towards Improvement Schemes, Rs. 12.04 lacs; (13) Grain Compensation, Rs. 3.29 lacs; and (14) Measures for Civil Defence, Rs. 5.22 lacs.

7. The opening balance on 1st April 1942 on account of Loan Funds including the advance from Special Funds for the purchase of Plant and Machinery and for Renewal of Surfaces of Roads for which no Renewal Fund exists but excluding the Trust Funds was Rs. 11.42 lacs. Adding to this Rs. 25.27 lacs raised during the year, the total funds available for expenditure were Rs. 36.69 lacs. The total expenditure incurred during the year amounted to Rs. 19.39 lacs leaving an unspent balance of Rs. 17.30 lacs at the close of the year. Such a large balance on hand in Loan Funds is due to the fact that against the revised estimates of expenditure of Rs. 39.66 lacs, the actual expenditure incurred was only Rs. 19.52 lacs, i.e., 51 per cent. below the revised estimate. This disparity has been commented upon by the Standing Committee annually. Yet it continues to exist and even aggravate. The Committee would like to emphasize once more the fact that while the Corporation are paying Debt Charges on such a large amount, the interest realized on surplus balances is only Rs. .97 per cent., and the difference on such an unutilized and unproductive debt which represents the dead loss is very great.

The total Outstanding Debt on 1st April 1942 was Rs. 15,49.83 lacs, to which was added an amount of Rs. 25.27 lacs raised during the year. The repayment during the year amounted to Rs. 1,14.37 lacs, leaving an outstanding debt on 31st March 1943, of Rs. 14,60.72 lacs. Of the new loan of Rs. 25.27 lacs, Rs. 25 lacs were on account of the loan for 1941-42 not raised during that year and Rs. .27 lac represented advance from the Net Premia Fund for purchase of Plant and Machinery.

8. The book value of the Sinking Funds at the end of the year came to Rs. 3,26.11 lacs. Valuing the Municipal and Improvement Trust Debentures at par and adding the amount of interest accrued upto 31st March 1943, the total amount of Sinking Fund stood at Rs. 3,51.90 lacs which more than covered the amount, viz., Rs. 3,34.07 lacs, to which the Fund should have accumulated upto 31st March 1943. Thus there is an excess of Rs. 17.83 lacs in the account. The question of amending the Municipal Act to enable the Corporation to utilize this excess accumulation for general purposes is still under the consideration of the Law, Revenue and General Purposes Committee of the Corporation.

9. With regard to the Special Funds, a specific reference is necessary with regard to the Fire and Accident Insurance Fund which the Corporation decided in 1934 should be stabilised when it reached Rs. 10 lacs. This limit was passed on 31st March 1942 when the Fund amounted to Rs. 10.84 lacs. To determine the figure upto which the Fund should be further accumulated, the total cost of Municipal, ex-Trust and School buildings and other assets was collected and a proposal was placed before the Standing Committee by the Commissioner for recommending the Corporation to build up that Fund to Rs. 16 lacs. The amount to the credit of the Fund at the end of the year was Rs. 11.34 lacs. Appendix 6 to the Chief Accountant's Report gives the position of different Special Funds. The total amount to the credit of all these Funds at the end of the year was Rs. 3,48.56 lacs against Rs. 3,45.31 lacs in the previous year. Out of the Net Premia Fund an advance of Rs. 15.47 lacs was made for financing Capital Expenditure and a further advance of Rs. 1.50 lacs for purchase of Plant and Machinery for the Municipal Printing Press.

10. The total income for the year, viz., Rs. 87.28 lacs, in this account showed a fall of Rs. 16.27 lacs over the last year's income of Rs. 1,03.55 lacs. The decreases were in (1) Contribution from the Corporation of Rs. 12.20 lacs; (2) Tobacco Duty Receipts of Rs. 5.87 lacs; (3) Interest and Profit on Investments of Rs. .07 lac. There was an increase in Land Revenue realization of Rs. 1.86 lacs.

The expenditure for the year amounted to Rs. 1,03.48 lacs against Rs. 97.68 lacs in the previous year, showing an increase of Rs. 5.80 lacs over the last year's expenditure. This increase is mainly due to repayment of Rs. 6.28 lacs to the Municipal General Fund, being the excess amount of contribution received therefrom between 1st October 1933 and 31st March 1940. The net deficit for the year in the General Account amounted to Rs. 16.20 lacs and was transferred to Capital Account.

The loan liabilities at the beginning of the year stood at Rs. 16,32.79 lacs against Rs. 16,37.54 lacs in the previous year. An amount of Rs. 14.91 lacs was repaid, being Rs. 4.91 lacs to Government and the balance, viz., Rs. 10 lacs, to the Debenture holders. As no new loan was raised during the year, the loan liabilities at the close of the year stood at Rs. 16,17.88 lacs.

The year began with a balance of Rs. 86.24 lacs to which were added receipts on account of sale proceeds of lands and buildings amounting to Rs. 27.98 lacs. From this amount available, the expenditure incurred on works amounting to Rs. 6.92 lacs and the deficit in the General Account of Rs. 16.20 lacs were met. An amount of Rs. 7.67 lacs was utilised from the Capital Account for the repayment of Rs. 10 lac loan during the year. The unspent balance at the close of the year thus stood at Rs. 83.42 lacs.

The Sinking Fund Investments at the close of the year were valued at Rs. 3,14.63 lacs against Rs. 2,69.70 lacs to which the Fund should have accumulated. Thus there was an excess of Rs. 44.93 lacs.

The actual expenditure incurred during the year on Schemes amounted to Rs. 6.92 lacs and the total on all schemes upto the end of the year amounted to Rs. 18,91.21 lacs of which Rs. 14.66 lacs represent discount and other charges on loans.

In the review of the last year's Administration Report, it was observed that the Municipal Chief Auditor had pointed out that the Theoretical Sinking Fund calculations in respect of certain loans were short of the amounts required for re-payment on maturity. Calculation sheets showing accumulations upto the date of maturity in respect of each loan were prepared and checked by the Municipal Chief Auditor and have been forwarded to the Accountant General, Bombay.

According to these sheets, the Theoretical Sinking Fund accumulations on 31st March 1943 amounted to Rs. 2,70.94 lacs against Rs. 2,69.71 lacs worked out on the present method. The deficiency of Rs. 1.23 lacs will be set off against the excess accumulations of Rs. 44.93 lacs reducing that amount to Rs. 43.69 lacs.

11. The rates of taxation remained the same as in the previous year, but the rates charged for water supply by meter measurement to bungalows and gardens with fountains, and to cotton and other mills were enhanced from As. 10 to As. 12 and As. 14, respectively, per 1,000 gallons and the rate to boarding houses, bakeries and hamamkhanas was reduced from As. 14 to As. 10. The number of properties brought on the Assessment Register during the year increased by 303 being 48,967 on 31st March 1943 as against 48,664 on 31st March 1942. Of these, 39,483 were assessed to General Tax, while 1,608 were exempted from it and 6,793 were not taxed, being small plots of waste lands, etc. The number of single room and double room tenements was 2,39,069 and 45,614, respectively, while there were 43,477 flats or blocks.

The rateable value of all properties on 31st March 1943 was Rs. 14,63,63,848 against Rs. 14,27,65,826 at the end of the preceding year. This gives an increase of Rs. 35,98,022 over the previous year and of Rs. 49,02,659 over the year 1940-41.

The total number of vehicles and animals taxed during the year was 15,947 against 15,999 in the preceding year.

During the year, 85,262 and 49,448 bills, respectively, for Property and Wheel Taxes were issued for a gross demand of Rs. 3,30,23 lacs and Rs. 15.78 lacs. The amounts collected during the year against these demands were Rs. 2,86.31 lacs and Rs. 13.69 lacs giving a total collection of Rs. 3 crores. This gives a percentage of 88.7 as compared with the net total demand of Rs. 3,38.20 lacs. The total outstandings at the end of the year stood at Rs. 38.20 lacs giving a percentage of 11.3 over the total net demand against 12.2 and 11.9 in the previous two years, respectively. The total outstanding of Rs. 38.20 lacs was reduced to Rs. 28.99 lacs on 15th June 1943. Of this total outstanding, the amount outstanding against private ratepayers within the control of the staff was only Rs. 11.77 lacs against a demand of Rs. 239 lacs made against them, which comes to only 4.9 per cent.

The total amount of exemptions allowed amounted to Rs. 9.98 lacs against Rs. 9.92 lacs granted in the preceding year.

11,885 and 8,823 claims, respectively, for drawback and refunds were received of which 6,215 and 6,025, respectively, were admitted which reduced to currency came to Rs. 3.45 lacs and Rs. 1.97 lacs, respectively, against Rs. 3.95 lacs and Rs. 5.05 lacs of the preceding year.

By Bombay Act VIII of 1942, the Municipal Act was amended during the year whereby Wheel Tax was made payable quarterly in advance instead of in arrears and the provisions of the amended Act were brought into force from 1st July 1942.

During the year, the work of revising the rateable values of textile and other mills in the City was taken in hand with the assistance of a special staff appointed for the purpose.

The staff of the Assessment Department was engaged for enumeration of properties without electric connections for purposes of kerosene oil rationing, the entire cost wherefor was borne by Government and also for enquiry in connection with the food rationing scheme.

12. The total amount of Riot Tax awarded from 1929 to 1941 for disturbances caused in the City from time to time and damage suffered by citizens thereby during the period was Rs. 39.35 lacs of which Rs. 37.25 lacs were collected.

**Riot Tax.**

13. The rates of the Urban Immovable Property Tax were further reduced this year and stood at 7½ per cent. and 3½ per cent., respectively, for properties having rateable values of Rs. 2,001 and above and between Rs. 500 and Rs. 2,000. The gross collections of the Tax came to Rs. 83.90 lacs against Rs. 87.57 lacs in the previous year and worked out at 92.3 per cent. of the demand against 92.6 per cent. in the preceding year.

**Urban Immovable Property Tax.**

14. The gross collection of Town Duties and refunds for the year of report amounted to Rs. 24.03 lacs and Rs. 8.56 lacs against Rs. 31.20 lacs and Rs. 11.78 lacs of the preceding year respectively, giving a net revenue of Rs. 15.46 lacs against Rs. 19.42 lacs of the previous year. The decrease of Rs. 3.96 lacs in the net revenue was due to

**Town Duty.**

considerable fall in the imports of Grain, Sugar, Beer and Timber. It is significant to note that the number of claims for refund during the year was 14,394 against 41,267 claims in the previous year. Recoveries of fees for stamping sugar packages and sealing ghee tins to identify them upon re-export amounted to Rs. 48,708 during the whole year as against Rs. 61,877 during 8 months of the preceding year when the practice was first introduced from 1st August 1941. The departmental collection of Town Duties on goods coming into the City along the three causeways, viz., Sion, Mahim and Chembur, realized Rs. 1.26 lacs against Rs. 1.19 lacs in the previous year. The proposals to amend Schedule "H" prescribing the nature of articles and the rate of Town Duties leviable thereon submitted by the Corporation to Government as far back as in August 1937 await legislative sanction pending restoration of Provincial Autonomy.

15. The Election Roll was revised and published in time in pursuance of Sections 19 and 20 of the Municipal Act. 2,76,960 voters were enrolled in 19 Wards against 2,92,751 in the previous year. The reduction in the number is clearly attributable to the large exodus of people from the City due to the War scare. In the Registered

**Election.**

Trade Union Constituency, only 8 Unions constituted the Electoral College with 87 names of delegates against 11 and 102, respectively, in the previous year. During the year in the General Ward Electorates there were five casual vacancies and one each in the Registered Trade Unions and the Millowners' Association. Out of these seven vacancies, four were caused by the continuous absence of Councillors from meetings of the Corporation exceeding the maximum period permissible under Section 17(d) of the Municipal Act.

Amendments to the relevant Sections of the Municipal Act deemed necessary upon the introduction of the Adult Franchise are awaiting Government's sanction, while proposals for revising Schedule "B" to the Act regulating the number and boundaries of Wards into which the City is to be divided for election purposes and the number of Councillors to be elected by each of such Wards are under consideration by the Corporation.

During the year, the services of the employees of this Department were utilized for rationing enquiry work for about 50 days continuously.

16. The number of Municipal and ex-Trust properties maintained by the Architectural Branch during the year was reduced from 2,255 in the preceding year to 2,195 in the year of report. About 58 buildings were demolished being either in an unsound condition or required to be pulled down for execution of development schemes

**Architectural.**

and the sale proceeds of their materials realized Rs. .19 lac. Some buildings were demolished departmentally to train the staff for this kind of work in times of emergency.

No new construction works were carried out by the Department due to high cost of building materials and the difficulty of securing them. The works under execution by Contractors during the year were (1) gunite treatment of Block 'B' of the Palton Road Chawls, (2) construction of a Fire Brigade Station at Memonwada, and (3) construction of a block of sanitary conveniences at the Back Bay Reclamation. The actual expenditure incurred by the Department on works amounted to Rs. 5.5 lacs against the estimated cost of Rs. 25.7 lacs, i.e., 21 per cent. of the total Budget grants.

To provide safety to occupants of Municipal buildings in the event of air raids, blast and splinter proof walls were constructed at an estimated cost of Rs. 5 lacs.

17. Due to scarcity and abnormally high prices of building materials, only 1,650 applications were received for erection of new buildings or alterations to the existing ones against **Private Building Construction.** 3,968 applications in the previous year.

Due to a fall in building proposals there was a corresponding fall in the acquisition of set-backs and the amount paid therefor during the year was Rs. 3.24 lacs against Rs. 7.85 lacs in the previous year.

881 prosecutions were launched against house owners for non-compliance with Municipal requisitions and convictions were obtained in 166 cases resulting in a total amount of fines of Rs. 3,034.

37 buildings or portions thereof collapsed and only in 7 cases, 7 persons were injured and 1 killed. In the rest there were no casualties. This is of course exclusive of the tragic and unprecedented collapse of a five storeyed building under construction on Jamshedji Tata Road, Back Bay Reclamation, which suddenly collapsed on 28th June 1942 and enveloped within its ruins 150 persons of whom 58 died. The findings of the Enquiry Committee set up by the Provincial Government in this matter so far as they relate to Municipal administration are under consideration of the Department. The proposals for amending the present Building Regulations and Bye-laws are under close scrutiny of the Works Committee before whom are also the codes for steel structures and for R. C. C. construction.

While there was a fall in the gross income realized from temporary projections, such as, stall-boards, weather frames and awnings, during the year, being Rs. 1.37 lacs against Rs. 1.42 lacs of the last year, the expenditure therefor shows an increase of Rs. 2,000, i.e., it was Rs. .29 lac during the year of report against Rs. .27 lac in the previous year. The question of policy to be adopted for stall-boards projections in the City is under consideration of the Works Committee.

During the year, 780, 555 and 614, one room, two room and larger tenements were newly constructed while 554, 74 and 36 such tenements, respectively, were demolished.

18. The enforcement of the subvention scheme for conversion of basket privies into water-closets was suspended during the year owing to difficulty of securing materials. Since **Drainage and Sewerage.** the introduction of the scheme in F and G Wards in October 1939, the number of privies converted in those areas upto the end of the year was 3,410.

The Purification Works at Dadar produced during the year 24,449,000 c.ft. of sludge gas, i.e., on an average about 67,914 c.ft. per day, of which 6,537,200 c.ft. were consumed by the K. E. M. Hospital and the staff in their quarters the total value of which came to Rs. 20,057-15-0. The excess gas burnt to waste averaged 50,000 c.ft. per day. It is a pity that such a large amount of gas has to be wasted everyday in the absence of a suitable machinery for converting petrol driven motor lorries into those that could be run on sludge gas and that the department could not devise any other way for utilizing the same.

The sludge gas compressor plant was erected in December 1942 and a 4-5 ton Leyland lorry was equipped in January 1943 for working on sludge gas with four cylinders containing 1,400 c.ft. of free washed gas at a pressure of 3,000 lbs. per square inch and covered 55 miles on that gas. Ordinarily, this lorry consumed one gallon of petrol for every 6 miles and during the last three months of the year under report it covered 2,575 miles and consumed 65,756 c.ft. of washed gas. The petrol thus saved worked out to about 429 gallons and at the ruling rate of Rs. 1-13-0 per gallon, it represented a gross saving of Rs. 780 in three months. It is hoped to convert six more lorries to run on sludge gas; an order for the necessary cylinders and conversion parts has been placed.

The volume of sewage received was very much in excess of the capacity of the plant with the result that about 6 million gallons of sludge per day had to be diverted into the open storm water drain.

19. The total mileage of roads in the City is approximately 261.72 miles and the expenditure incurred in repairing and maintaining them came to Rs. 2.10 lacs. 842 roadside trees were planted during the year, while nearly 500 trees, mostly young, were destroyed by rowdy elements in the disturbance during August 1942. During the year **Roads, etc.** 205 new benches were provided in different parts of the City at a cost of Rs. 8,584.

The surface of many roads in the City has considerably deteriorated particularly due to heavy military traffic and it has not been possible to undertake repair works owing to Government restrictions on supply of asphalt, etc. Several road surfaces are due for renewal but, for want of materials, no repair work is possible. Representations have been made to Government for the release of Asphalt and other materials and also to make suitable contribution towards road repairs in view of the heavy usage to which the roads are subjected by the military vehicles which are exempted from Wheel Tax. The Standing Committee hope and trust that the Municipal claim in these respects will be recognised soon.

20. The Works Branch continued to carry out works in connection with A.R.P. measures, such as **A.R.P. Works.** (1) distribution of sand bags to house owners; (2) painting and white-washing of kerb lines and a central line on all important streets as a guide to traffic in view of restricted street lighting; (3) construction of blast and splinter proof specimen walls, etc.

21. The Workshops carried out departmental and private works of the amount of Rs. 2.32 lacs against **Workshops.** Rs. 2.63 lacs and Rs. 2.43 lacs in the preceding two years, respectively. The upkeep and overhead charges amounted to Rs. .65 lac against Rs. .63 lac in each of the two previous years, which worked out to 28 per cent. on the expenditure on labour and stores against 25 per cent. and 27 per cent. of the last two years, respectively.

22. The total lengths of double tracks and single track in the City are 26.70 miles and 2.27 miles, respectively. The B. E. S. & T. Co., Ltd., had during the year 274 Nos. of different types of cars with a total carrying capacity for only 22,406 passengers. **Tramways.** It is needless to remark that the transport facilities in the City have proved entirely inadequate and that a public utility undertaking enjoying monopoly rights has failed to meet with the increased demand.

23. It is reported that the work of preparing an inventory of properties in charge of the Hydraulic Engineer was completed during the year. Some more information on the subject should be forthcoming and the Standing Committee hope that a detailed report on the subject will be placed before them at an early date. **Inventory of Municipal Properties.**

24. This department is primarily concerned with the management of the very large areas developed and undeveloped which passed into Municipal hands as a result of the amalgamation of the ex-City Improvement Trust with the Bombay Municipality. **Estates and Land Management.** But in addition to the work of the management of the Trust lands, etc., it is so expected to continue the execution, wherever possible, of the schemes initiated by the Trust, of the various

development schemes undertaken in the past by the Municipality, and also initiate schemes of development for the future. As a matter of fact the present disturbed conditions are responsible for almost a complete stoppage of the improvement plans in many respects. As soon as normal conditions are in sight this Department will have to get very active and put forth and push forth extensive schemes of housing and slum clearance.

214 plots covering an area of 61 acres and valued at Rs. 46.77 lacs were let during the year while the corresponding figures for the previous year were 116 plots 29 acres and Rs. 15.31 lacs. Of the 214 plots let, 154 were leased on rental basis giving a total annual rent of Rs 1.73 lacs and 60 plots were leased on premium basis with a capital value of Rs. 14.84 lacs. Possession of 2 vacant plots was resumed during the year. The total number of plots disposed of upto the end of the year of report was 3,484, having an area of 955 acres, valued at Rs. 9,02.43 lacs and giving an annual rent of Rs. 37.80 lacs.

At the end of the year, the Department had under its control 656 acquired buildings with 5,752 tenements, against 720 buildings with 6,048 tenements at the commencement of the year, 64 buildings having been demolished during the year.

The total rent from acquired or surrendered buildings amounted to Rs. 6.62 lacs against Rs. 6.78 lacs in the previous year while the total temporary revenue realized during the year came to Rs. 9.60 lacs against Rs. 9.23 lacs and Rs. 9.18 lacs, respectively, in the preceding two years. This increase is attributed to large areas temporarily let to Government for Military purposes.

There were very few vacancies in the Municipal chawls during the year under report. The new residential accommodations made available by lessees of ex-Trust Estates amounted to 341 tenements against the demolition of 64 acquired buildings containing 296 tenements. Since the commencement of the ex-C.I. Trust, the total number of tenements provided in all the Trust Estates by various agencies amounts to 69,389 against 38,354 tenements demolished showing an excess of 31,035 new tenements over demolished ones.

The monthly rent charged for rooms in ex-Trust Chawls varied as follows :—

One room tenement ...	Rs. 4-15-0 to 12
Two room tenement ...	Rs. 17 to 23
Three room tenement ...	Rs. 30 to 35

On the basis of the maximum annual rental of Rs. 9.59 lacs of full letting value of chawls, the total outgoings came to Rs. 5.08 lacs, i.e., 58.44 per cent. including vacancies at 2.09 per cent. against 61.26 per cent. in the preceding year. The net income therefore is only Rs. 3.61 lacs against debt charges of Rs. 8.88 lacs payable annually in respect of the capital expenditure on the chawls. The annual loss or subsidy towards housing amounts to Rs. 51.15 per room.

The total revenue demand for permanent and temporary lettings for the year was Rs. 63.44 lacs including Rs. 10.62 lacs of arrears. Of this demand, the amount collected was Rs. 52.96 lacs, written off Rs. .52 lac and Rs. 9.96 lacs remained in arrears at the end of the year which compare favourably with that of the previous year. Out of about 11,473 square yards of Municipal land approximately valued at Rs. 1.39 lacs available for disposal at the beginning of the year, 1,098 square yards, having a capital value of Rs. .60 lac, were disposed of during the year.

The average population in the Chawls during the year of report increased to 38,322 against 32,829 and 33,259 in 1940-41 and 1941-42, respectively. The corresponding figures for the three years for S. P. Sheds (excluding Labour Camps) were 5,816, 4,457 and 4,365 respectively. The death rate in the ex-Trust Chawls showed an improvement over the preceding two years, being 5 per 1,000 in 1942-43 against 8.1 in the previous two years.

25. During the year under report, the following works in connection with the service of slum areas **Slum Service and Clearance.** in the City were in progress :—

(1) Covering about 55' in length of open drain and providing bridge over the channel near the Dadar Purification Works.

(2) The work of closing the open storm water channel from Worli Road to Sluices.

The following schemes for the improvement of congested areas were prepared and approved by the Corporation :—

(1) Development of the area covered by Mangalwadi, Kelewadi and Gaiwadi.

(2) Improvement of Lohar Chawl Lane off Vanzawadi at Mahim.

In addition to the above schemes an *interim* report regarding the proposal to clear the slums in the City within a period of 10 years was prepared, mentioning therein the localities requiring immediate attention and suggesting different kinds of works for the improvement of the areas comprised therein together with their mode of construction. Owing to unsteady economic conditions, however, the proposal was recorded by the Corporation.

26. During the year of report, 36,055 million gallons, i.e., on an average 98.78 million gallons per day, of water was supplied to the City and the suburbs against 37,128 million gallons or a daily average of 101.72 million gallons in the preceding year. In the year 1940-41, the corresponding figures were 37,247 and 102.05 million gallons, respectively. The decrease of 2.94 million gallons in the daily average over the last year's average was due to the curtailment of supply on account of deficient rainfall. Of the daily average supply, 95.27 million gallons and 3.51 million gallons were given to the City and the suburbs, respectively. In the City, the average supply per head per day for all purposes worked out at 63.94 gallons against 65.85 gallons in the previous year, taking the population at approximately 15 lacs as per Census Report of 1941. The minimum and the maximum supply per day amounted to 70.18 and 109.60 million gallons, respectively. The bulk of the supply, viz., 85.68 million gallons per day, was conveyed by the two 72" mains which take off from the outlet well at Tansa. The subjoined Table gives comparison of the daily and the annual draw off in million gallons through the lakes by different mains for two years.

	1941-1942		1942-43.	
	Daily.	Per year.	Daily.	Per year.
Two 72" mains ...	78.6	28,702	85.68	31,276 throughout the year.
48" Vehar main ...	14.94	5,452	11.56	1,896 in 164 days.
24" Tulsi main ...	1.166	319	3.13	961 in 307 days.
The Duct ...	7.02	2,655	5.26	1,922 throughout the year.



The Vehar supply was used for 164 days as the Lake was not adequately replenished, while in the case of the Tulsi Lake, the supply was drawn for 307 days only, as for some time the Tulsi main was being scraped.

Of the total metered supply of 7,803.7 million gallons, the Mills (number of premises 76) consumed the maximum quantity, viz., 2,287 million gallons while Flour Mills (Number of premises 8) consumed the minimum quantity in this group, viz., 13 million gallons. During the year, revenue derived from metered supply was about Rs. 52 lacs showing a net increase of Rs. 8.32 lacs over that of the previous year, which was partly due to rigid inspection of meters and partly to increased demand from industries.

The total quantity of water supplied for domestic use was 22,068.6 million gallons for 48,130 premises, i.e., 61.20 per cent. of the total quantity supplied to the City and the suburbs. The total quantity of water wasted through leakages and other estimated losses through Municipal mains was 3,807 million gallons, i.e. 10.56 per cent. of the total supply. The total loss of water due to evaporation during the dry months of the year from Tansa, Vehar and Tulsi came to 5,277 million gallons.

The work of reconditioning the Duct line has been deferred pending the decision of the Corporation with regard to schemes for augmentation of water supply. These schemes have been submitted for scrutiny and investigation to a Committee of two experts consisting of Sir M. Visvesvaraya, K.C.I.E., and Mr. C. C. Inglis, Director, Central Irrigation and Hydraulodynamic Research Station, Poona. They were engaged during the year in examining the materials collected by the Hydraulic Engineer. A special staff was appointed which carried out preliminary surveys and collected data required by the Experts. The expenditure booked during the year on this account was Rs. 27,134. The report of the Experts is awaited by the Corporation.

In order to ensure a high standard of purity of the supply as laid down by the Ministry of Health in England, water from three lakes is sterilized by Chloramine treatment. The total expenditure on purification of the supply was Rs. 1.60 lacs against Rs. 1.39 lacs last year, giving a cost for treatment of 1 million gallons at Rs. 4-5-5 against Rs. 3-8-3 in the preceding year.

103 drinking fountains, 53 cattle troughs and 54 stand pipes were maintained by the Corporation during the year for gratuitous supply of water to the general public. Out of 16 Municipal wells, water from 3 wells was allowed to be used, and 8 were hermetically sealed.

In 275 cases sanction of the Standing Committee was obtained for severing water connections for non-payment of taxes, etc. In 28 cases only supply was closed but subsequently restored on compliance with the requirements.

The total number of water connections in the City increased by 686 over the last year's number of 50,536.

The special staff sanctioned in the previous year to attend to complaints of chokes in service pipes was continued during the year. It inspected 2,762 houses for detection of chokes and cleaned 694 connections at a cost of about Rs. 1,800.

From Loan Funds a total expenditure of Rs. 7.10 lacs was incurred during the year. The work in hand of treating the upstream side of the Tansa Dam with 2" thick reinforced gunite was completed in June 1942. Among the other works partly carried out during the year were (1) Laying a trolley track along the toe of the Tansa Dam; (2) Cleaning the Vehar Lake area of rank vegetation and other wild plants; (3) Construction of an elevated tank at the Bhandarwada Hill to provide water at sufficient pressure to premises in the high locality round about and (4) Repairs to the damaged spans of the Old Kasheli Bridge.

The work of encasing the existing piers in cement concrete and renewing the superstructure of the Tulsi Pipe Bridge across the Bandra Creek sanctioned by the Corporation in January 1942 could not be taken in hand on account of certain objections from the B. B. & C. I. Railway authorities due to the close proximity of their bridge.

27. During the year, 87 additional Static Tanks were constructed and handed over for maintenance **Measures for Civil Defence.** to the Officer Commanding, Fire Services, bringing the total number of such tanks to 104.

The work of boring 9 tube wells in the different parts of the City was completed but the results obtained were not encouraging and therefore the work at the remaining 3 sites was abandoned. From the experiment, it appeared that only surface contaminated sweet water could be tapped and that the yield was limited to about 600 to 1,000 gallons per hour.

About 1,190 closed wells were re-opened during the year in addition to 200 wells re-opened in the previous year. In those localities where there were no wells to be opened, it was decided to excavate about 120 filled in wells and about 109 such wells were excavated during the year.

A water rationing scheme was prepared and forwarded to Government.

The total expenditure incurred by the Corporation on works and staff for Civil Defence works relating to the Water Works Branch during the year was Rs. 9.94 lacs.

28. Besides maintaining regular Municipal Fire Brigade Stations as in the previous year, 14 Auxiliary Fire Service Stations were in charge of the Officer Commanding, Fire Services, in different places including one such station at Andheri. The construction work of the new Fire Brigade Station at Memonwada was in progress. The total number of calls received by the Fire Brigade during the year showed an increase of 69 over the previous year, i.e., 717 against 648 in the year 1941-42 and 501 in the year 1940-41. Of these calls, 183 were false alarms of which as many as 102 were maliciously given. 60 per cent. of the calls were given through the 196 street fire alarm posts. The total loss caused by fire was estimated at Rs. 25.12 lacs against Rs. 49.33 lacs of the preceding year. Though this shows a decrease of Rs. 24.31 lacs over the previous year's damage it was more by Rs. 21.61 lacs than the loss suffered in 1940-41. It may be noted that the heavy loss suffered in 1941-42 included a damage of Rs. 40 lacs caused by a serious ship fire in that year.

The approximate quantity of water played on fire was 61.73 lac gallons against 79.42 lac gallons in the preceding year. Of this quantity during the year of report, as many as 58.23 lac gallons were drawn from mains against only 29.28 lac gallons in the preceding year.

Along with other Municipal and private agencies the Brigade rendered ceaseless service for several days in extricating persons who were buried under the debris of a building which collapsed while under construction on Jamshedji Tata Road on 28th June 1942. Of 117 persons extricated therefrom, 52 were found dead and 65 injured.

The strength of the Auxiliary Fire Service was increased to 1,266 from 600 of the previous year. This service was equipped with 175 trailer fire pumps and 58 towing vehicles.

The Ambulance service maintained in charge of the Brigade proved popular and useful and it was requisitioned for 1,251 accident calls, 845 maternity calls and 2,170 hire calls against 975, 935 and 1,840, respectively, in the preceding year. The service carried 4,511 persons during the year against 3,800 and 2,790 in the years 1941-42 and 1940-41, respectively, and covered a total distance of 31,363 miles against 28,128 and 20,371 miles in the preceding two years. Receipts from hire calls amounted to Rs. 11,284 against Rs. 9,889 last year showing an increase of Rs. 1,395 over the previous year.

29. The Superintendent of Gardens continued to maintain during the year 16 Gardens, 3 Fountains, 2 Bandstands, 43 Recreation grounds, 3 Open spaces and 3 Hedges as in the last year. During the year, the Department took over for management 5 additional Recreation Grounds, four of which are located in the North of the Island and 3 Traffic Islands in the Back Bay Reclamation Scheme.

The directed games conducted by the Y.M.C.A. at the Mustan Tank, the Reclaimed Gilder Tank site and the Willingdon Memorial Playgrounds and by the Nagpada Neighbourhood House at 2nd Peerkhan Street were well patronized.

There was a fall in the number of visitors to the Victoria Gardens as compared with the last year. In the year of report, the number of visitors to the Gardens was 22,50,106 as against 24,34,657 in 1941-42 and 24,85,353 in 1940-41. This gives an average of 6,164 per day and brings the annual average to 24,55,121 for the last five years. The trustees of the late Mr. Justice Badruddin Tyabji Memorial Fund have agreed to make a donation of Rs. 7,000 for an Orchid House in the Gardens, work for which will be taken up on the return of normal times.

245 musical performances for the entertainment of the public were given at different times at eight places in the City during the year. These consisted of 31 Indian music, 45 Band and 169 Radiogram programmes against 22, 24 and 170, respectively, of the preceding year.

The total expenditure incurred on the Gardens Department was Rs. 2,02,188 while the income derived was Rs. 8,404-6-0.

30. The Museum was closed to the public for a little over three months for some structural repairs and consequently was kept open to the public for only 230 days against 302 days in the previous year. The total and the daily average number of visitors stood at 9,61,978 and 4,182, respectively, against 14,03,727 and 4,648, respectively, of the year 1941-42. Similarly, there was a considerable fall in the attendance of pupils from the Primary and Secondary Schools which came to only 4,277 against 10,918 in the preceding year. The showcase displaying the model village exhibit with coloured enlargements of important village industries showing raw and finished products made a popular appeal and it is proposed to increase such exhibits.

31. The designation of the Chief Storekeeper was changed to that of "The Controller of Stores" in the year of report so as to bring it in line with that prevailing in the Bombay Port Trust and the Railways. During the year, 136 tenders and 1,491 enquiries and quotations were issued against 137 and 1,916, respectively, in the previous year and the number of contract for different schedule articles entered into during the year was 65 against 87 in the previous year. The total value of the purchases came to Rs. 13.78 lacs against Rs. 15.24 lacs in 1941-42, the decrease being accounted for by scarcity of materials and difficulty of obtaining them. Of the total purchases, Rs. 11.78 lacs were of Indian manufacture.

Stores in quantities adequate to meet the departmental needs for 3 to 4 months were ordered out against the previous system of ordering materials only when indents from departments were received. This resulted in the reduction in the total of the orders placed to 4,766 against 7,440 in the previous year. Tenders invited in the year for supplies to be made in 1943-44 carried considerably higher rates than the market rates owing to abnormal conditions created by the world war. In order to keep down the level of expenditure on this count in 1943-44, it was decided to order out whenever possible articles in full quantity from the contractors for the year 1942-43 or to make purchases from the market after inviting quotations. Thus tenders in which the rates were considered very high for 1943-44 were rejected. It is estimated that a saving of Rs. 30,000 was effected by this procedure.

The value of stores on hand at the close of the year amounted to Rs. 7.71 lacs against Rs. 6.42 lacs of the previous year and Rs. 5.01 lacs for the year 1940-41. The increase in stocks was due to C. I. Pipes, Castings and other materials kept on hand on account of war conditions. The value of the stores receipts during the year came to Rs. 13.79 lacs while that for stores issued came to Rs. 12.52 lacs. On the total turnover of Rs. 26.31 lacs against Rs. 29.09 lacs of the preceding year, the Establishment Charges of the Department worked out to about 2.99 per cent. against 2.5 per cent. of the previous year. C. I. Pipe scrap, etc., and other unserviceable articles were sold by public auction and realized Rs. 18,088 against Rs. 18,852 in the last year.

With a view to mitigating the hardships suffered by Municipal employees in getting articles of daily requirements owing to increase in prices and insufficiency of stocks with merchants, the Corporation made an advance of Rs. 1 lac from the Fines Fund to meet the cost of outlay and recurring expenditure of shops to be opened for the purpose. 8 shops in different wards of the City were opened and food grains were purchased either from merchants or government godowns in accordance with permits issued by Government. On an average about 900 employees were served by these shops every day. Purchase of food grains for the year amounted to Rs. 1.47 lacs, while the sale proceeds amounted to Rs. 1.32 lacs. These shops proved very popular, especially among the labour class and the low-paid staff. From the stock on hand, at the close of the year, which was valued at Rs. 32,060 it could be seen that the transaction resulted in profit.

32. Though there was a fall of 1,859 in the total number, viz., 22,368, of licences issued during the year over the number (24,227) issued in the preceding year, there was an increase of Rs. 4,265 in the amount of fees recovered, the total amount for the year being Rs. 2.30 lacs against Rs. 2.26 lacs in the previous year. The amount of fees outstanding in respect of 31 licences at the end of the year was Rs. 476 against Rs. 250 at the end of the previous year for 49 licences. There was an increase in the loss of revenue incidental to disuse or demolition of old licenced places, etc., the loss for the year being Rs. 25,136 against Rs. 18,571 in the previous year.

Like the previous year, there was a further fall this year of 219 in the number of permits issued for advertisement, i.e., the number fell from 2,575 in 1941-42 to 2,356 in 1942-43, but the amount of fees collected from those permits showed an increase of nearly Rs. 5,000 over the previous year when the amount was Rs. 1.14 lacs against Rs. 1.19 lacs in the year of report.

For 35,045 hawkers and squatter licences issued during the year, the fee realized amounted to Rs. 1.38 lacs against 34,407 licences yielding Rs. 1.48 lacs in the preceding year.

Out of the total number of prosecutions (3,251) launched by the Department against offenders under Sections 328, 328-A and 412-A of the Municipal Act, 3,152 cases were withdrawn; of these 2,954 were on payment of licence fees. 239 cases resulted in convictions of the accused and the total amount of fines inflicted was Rs. 2,701.

33. As it was found that enforcement of the Act by mass raids was more effective, 111 such raids were carried out in different parts of the City to check the observance of the provisions of the Act by different establishments. The total number of visits and revisits paid to different establishments during the year was 37,883 against 77,170 in the previous year. 3,146 new prosecutions were instituted during the year against 2,524 in the previous year. Out of a total of 3,317 cases including 171 pending at the close of the previous year, 3,000 resulted in conviction. The total amount of fines inflicted was Rs. 43,160 which worked out at Rs. 14-6-0 per case.

A special enquiry into the condition of employees working in grocery and provision shops was made and 1,985 such shops were visited.

As a result of the representation made to Government for a subsidy to recoup the cost of the administration of the Act by the Municipal agency, Government sanctioned a grant-in-aid of Rs. 8,826 for 1940-41, which was exactly 50 per cent. of the expenditure incurred by the Corporation on the department in that year. For the year 1941-42 a grant-in-aid of Rs. 25,010 was made which was more than half the actual expenditure incurred on the Department. The amount of fines realised during these two years was Rs. 895 and Rs. 25,320, respectively.

The benefits of the Act are being felt and realised both by the employers and the employees.

34. A new Municipal Combined Market at Worli was opened from 1st April 1942 which brought the total of Municipal Markets to 17 against 16 of the previous year. 43 stalls for sale of mutton, fowl, eggs, etc., were let out in the New Worli Market. The total gross receipts from the market including stall rents, squatters fees, etc., came to Rs. 15,406 against the total recurring expenditure of Rs. 4,996. The capital cost on the Market upto 31st March 1943 amounted to Rs. 1,79,330 and the percentage of net receipt on the cost came to 5.8 against 8.3 of the net income on the total capital cost of all the markets which has increased from Rs. 41.98 lacs in the previous year to Rs. 47.67 lacs in the year under report. The percentage of net income from the Elphinstone Road Municipal Market was the highest, viz., 45.1 against 50.2 last year of the Fort Market for which market the percentage this year has come down to Rs. 40.06, while the lowest percentage yield was -8.2 for the Masjid Bunder Market against -6.1 for the same market in the last year.

The gross receipts from Municipal Markets were Rs. 6.40 lacs against Rs. 6.01 lacs in the previous year and the total expenditure thereon was Rs. 2.44 lacs against 2.43 lacs in the preceding year. The net receipts were thus more by Rs. .39 lac than in the previous year.

In the year of report, the total number of Private Markets was further reduced by 1, i.e., it came to 23 against 24 and 26, respectively, for 1941-42 and 1940-41. The Worli Private Market and the Lalwady Private Market at Parel Chawl were closed down, while a new private market at Chhakyachiwadi, Tardeo, was opened during the year.

Like last year, this year also, it is found that licence fees of some private markets are in dispute and the same are held in deposit. This vexed question requires prompt attention.

The number of private Slaughter Houses remained the same as in the previous year, viz., 2, while the number of outside meat shops increased by 5, i.e., became 186 against 181 of the last year. The total number of animals brought to the fair ground at the Bandra Slaughter Houses during the year was 12.89 lacs against 10.48 lacs in the previous year. The number of animals slaughtered or removed for private slaughter during the year was 11.94 lacs and the total amount of slaughter fee, etc., realised was Rs. 5.90 lacs. The corresponding figures for the previous year were Rs. 10.11 lacs and Rs. 5.03 lacs.

35. The City had during the year a record of generally satisfactory condition of public health. There was a fall of 8,418 in the number of live births registered during the year, the total number being 31,536 against 39,954 of the previous year. This birth rate according to the census of 1941, viz., 14,89,883, was equivalent to 21.2 per 1,000. The fall in the number of live births was due to the expectant mothers having evacuated voluntarily as a result of the scare of threatened enemy action from March to September 1942. Of the registered live births, 16,170 were males and 15,366 females. The number of still-births was 2,009. The Executive Health Officer states that a large number of births escapes registration due to lack of legal action against those who fail to register births as also due to slackness on the part of the Birth Registration Karkoons. It is desirable that as perfect a record as possible be maintained of births that take place in the City and the Committee hope that the Executive Health Officer would devise ways and means of doing so.

75.8 per cent. against 81.6 per cent. in 1941 of the total registered births took place in Maternity Homes in the City. During the year 5,782 women as against 6,509 in 1941 were admitted in five Municipal Maternity Homes with an accommodation of 142 beds while the number of confinements was 4,990 against 5,872 in the previous year. The increasing tendency of the people, especially of the poor class, to take advantage of Maternity Homes for confinements requires further fostering in order to bring down percentage of deaths among infants under one year of age. Reduction in the rate of infantile mortality is an indication of improvement in the health condition of the City. In this direction it may be noted that the Corporation have been doing their mite. Maternity and child welfare clinics are conducted at each of the five Municipal Maternity Homes and that work is supplemented by Health Visitors who visit patients in their homes to see if they follow the advice given to them. These Health Visitors paid 52,058 visits in various districts and attended 288 cases of confinements during the year. The infant mortality rate per 1,000 registered births was 195.4 during the year.

There was a fall of 5,919 in the total number of deaths during the year over the total of the previous year which was 31,096 against 25,177 during the year of report. This was 6,319 and 4,233 less than the average annual mortality of the quinquennium (1937-41) and decennium (1932-41), respectively. The death rate per 1,000 living was 16.9 as against 20.9 in the preceding year and 24.6, the average of the preceding decennium. The markedly low death rate in the year of report was due to the evacuation of a large section of the poorer population amongst whom the death rate is invariably high. 24.5 per cent. of deaths alone were among infants below 12 months, the number of such deaths being 6,164, i.e., 2,399 less than in the preceding year and 2,139 less than the annual average of the decennium. The infant death rate per 1,000 registered births was 195.4 against 211.4 for the preceding year.

Of the total number of deaths there were 14,309 males and 10,868 females. The corresponding figures for the last year were 16,946 and 14,150. The males constituted 63 per cent. of the population which accounted for a larger number of deaths among them, but actually the male death rate was 15 and the female death rate 20 in the year against 18 and 26, respectively, in the preceding year. The highest death rate of 5.2 per 1,000 of population was caused by diseases of Respiratory System which accounted for 7,740 deaths against 10,186 in the previous year. The other causes which accounted for more than 1,000 deaths in the year were Tuberculosis (1,581), Congenital Debility and Diseases of Early Infancy (2,105) and old age (2,028).

The tragic mortality (1,581) and morbidity (say 16,000) from Tuberculosis emphasize the necessity of an intensive anti-tuberculosis campaign in all its aspects. Hospital extension in this direction is not possible at present owing to war conditions. Though the building of the Ramesh Premchand Tuberculosis Hospital at Sewri is ready for use, it was not possible to equip it. The building of the Hospital has since been requisitioned for the use of the Royal Indian Navy and has been taken over by the latter. It may, however, be observed that a good deal of propaganda work is being done in various ways and even domiciliary visits are paid by nurses to advise patients and their relations about ventilation, diet, clothing and general sanitation.

109 deaths in the year were caused by Malaria against 88 and 97 in the previous two years, respectively. The annual average of the decennium is 97. In all 2,215 cases of Malaria were treated during the year at the Municipal Dispensaries against 1,698 in the previous year.

36. Three new Municipal Dispensaries were opened in the year and these along with the old 16 dispensaries administered as in the past free medical relief to the sick poor of the City. There was a fall in the number of new cases treated in these dispensaries viz. 1,68,960 (1,14,087 males and 54,873 females) in the year of report against 1,98,352 in the previous year. The total attendance at these dispensaries was 5,75,811 as against 6,52,169 in the year previous. Besides the normal dispensary work, women and children were treated by two part-time Lady Doctors at six Municipal dispensaries between 12 noon and 2 P.M. twice a week, as also by Lady Doctors in charge of the Maternity Homes. The total attendance and the number of new cases treated at these dispensaries were 71,506 and 19,101, respectively, against 77,953 and 22,214 in the last year. The only Municipal Eye Dispensary and Hospital at Kamatipura continued its humanitarian work and was taken advantage of by 6,149 new cases (4,701 for Eye and 1,448 for Ear) while the total attendance was 27,847. The corresponding figures for the last year were 6,464 and 21,583.

37. A Propaganda Branch for popular education in Public Health was started in the year and preliminary work was done to determine the lines on which the work should be carried out by the branch.

38. The work of the Conservancy Branch increased with the increase in population in the latter half of the year and the establishment of numerous Military and A. R. P. camps in the City. The total area in miles of roads, footpaths and house gullies conserved was 608.71 miles. The work of conservancy can be less heavy, less costly and more efficient if only the public would give up their habits of throwing refuse indiscriminately in spite of provision of dust-bins in houses and at various places in the City. It is hoped that health propaganda will be strenuously carried out in this direction. It may be suggested that a Conservancy Week may be organized once a year when talks and demonstrations on the subject could be arranged through the help of Social Welfare Workers at different places especially in thickly populated localities and large groups of chawls. Money spent on such propaganda and disease preventive work will surely yield good results.

39. The rat catching and killing operations were carried out as before. In all during the year 6.27 lacs of rats were destroyed against 6.56 lacs in the previous year. 2.23 lacs of rats were examined and none was found infected. 195 *Rattus Rattus* were given standard plague infective dose and 15.5 per cent. died of the infection. Thus the susceptibilities remained the same as in the previous year.

40. The daily consumption of milk in the City is estimated at 3.50 lac lbs. of which 2.25 lac lbs. were produced in the City stables and the balance imported from outside. On an average an individual gets 3 ounces of milk per day which can hardly be considered as satisfactory. Owing to paucity of supply, adulteration is rampant and the price level is also rising. Some measures to encourage importation of good and pure milk into the City are urgently called for.

41. The number of beds for men, women and children at the Hospital remained the same as in the previous year, viz., 269, 133 and 30, respectively, making a total of 432 beds. The Hospital extension programme could not be proceeded with owing to war during the year under report. The total number of in-patients admitted during the year was 12,782 against 13,135 in the year previous. Of the total 13,232 in-patients which number includes 450 in-patients of the previous year, 4,569 were cured, 5,412 were discharged and relieved, 1,619 either prematurely left the Hospitals or were otherwise discharged and 1,151 died, leaving a balance of 481 at the end of the year. The maximum number of in-patients on any single day was 520 and the daily average worked out to 456.3. The average number of days each patient was resident was 11.88 days. The average cost per in-patient per day rose to Rs. 3-4-8 against Rs. 3-0-2 and Rs. 2-15-3 of the previous two years, similarly, the average cost per in-patient admission also showed a rise, being Rs. 42-6-1 against Rs. 38-0-3 and Rs. 36-7-2 of the preceding two years.

The total number of 1,15,695 new out-patients treated during the year shows a fall of nearly 10,000 against 1,25,699 of the previous year. The corresponding numbers of casualty patients were 26,258 and 25,656, respectively. The total number of out-patient attendance during the year was 3,77,203 against 4,14,936 which gives a daily average of 1,200 against 1,326 in the previous year. The highest number of out-patient attendance on any one day was 1,760 against 1,898 in the previous year, while the corresponding figures for new out-patients on a single day were 445 and 517, respectively. The average cost per out-patient attendance and admission worked out at Re. 0-7-2 and Rs. 1-9-11 against Re. 0-6-8 and Rs. 1-6-0, respectively, of the previous year. The average costs per in-patient or out-patient are worked out on the expenses incurred out of the Municipal funds. The amount of Rs. 14,600 against Rs. 15,325 of the previous year spent on those patients out of the Poor Box Charity Fund for expensive drugs, injections, blood transfusion, etc., is not taken into account while working out the above averages.

It may be interesting to note that of the average costs of Rs. 3-4-8 and Rs. 1-9-11 per day per in-patient and out-patient, respectively, Rs. 1-10-2 and Re. 0-15-4 were on establishment only.

The total number of operations on in-patients and out-patients performed during the year was 5,341 and 11,065, respectively, against 5,340 and 11,450 in the last year.

Of the total number of 7,856 Municipal school children treated in different departments of the Hospital, 1,535 were new cases. The total cost of the School Clinic at the Hospital amounted to Rs. 8,920.

The Poor Box Charity Fund continued to give deserving patients much needed relief which could not ordinarily be given out of the Municipal fund. The total amount thus spent out of this Fund came to Rs. 14,778 while contributions during the year by way of collections from out-patients boxes, ward boxes and donations amounted to Rs. 15,936.

Since 12th April 1942, a Blood Bank has been organized in the Central Clinical Laboratory as a permanent feature for the benefit of patients of this Hospital and the number of samples collected during the year was 288 of which 253 were issued for purposes of transfusion. The number of transfusions, per month has gone up to about 40 on an average against only 3 to 4 in the previous years.

42. Of the 82 fresh admissions in the College in June 1942, 79 were single, 1 married and 2 betrothed. Of the 407 students on the Roll at the close of the year, 85 were lady students and 74 post-graduate and research students, against 74 and 67, respectively, at the end of the previous year, when the total was 441. Out of 397 students sent up for various examinations, 186 passed the whole examination against the corresponding figures of 344 and 139 of the previous year.

**Seth G. S. M. College.** A total expenditure of Rs. 2.75 lacs against Rs. 2.74 lacs in the previous year was incurred on the College and the Hostels attached to it, while the revenue derived by way of tuition fees, hostel rents, etc., was Rs. 1.24 lacs against Rs. 1.19 lacs in the previous year. The gross cost and the net cost per student worked out at Rs. 585.4 and Rs. 321.5, respectively, against Rs. 621.3 and Rs. 352.1 in the last year. The amount of fees received from the post-graduates was Rs. 3,405 against Rs. 4,170 in the preceding year.

The number of male and female students residing at their respective Hostels during the year remained the same as in the previous year, viz., 146 and 28, respectively.

The income derived from and the expenditure incurred on the Hostels were Rs. 18,243 and Rs. 9,701, respectively, against Rs. 18,630 and Rs. 10,780 in the previous year.

43. Owing to exodus of a certain portion of the population especially of the poor and labour class from the City during the year of report on account of the war scare, the number of children attending Municipal Schools had fallen from month to month from 86,113 in the beginning of the year to 75,993 at the end of the year, i.e., a decrease of 10,120 pupils. There was also a reduction in the total number of Municipal Schools and Classes from 422 in the last year to 413 in the year under report. The number of schools was reduced from 396 to 383, while the Classes were increased from 26 to 30. Similarly, the total strength of teachers showed a decline in number from 3,075 in the previous year to 2,615 on 31st March 1943. Nevertheless, the Municipal Grant for the year was Rs. 41.60 lacs against Rs. 40.71 lacs in the previous year, exclusive of the expenditure of Rs. .67 lac on the Schools Committee's administrative office met out of the General Municipal Fund. The Government grant to the Corporation towards Primary Education amounted to Rs. 9.45 lacs, the same as in the previous year, against the total expenditure of Rs. 41.84 lacs, exclusive of the cost on the administrative office.

The average cost per pupil according to the number on the roll on the last day of the year worked out at Rs. 52 against Rs. 45.3 and Rs. 33.6 for the previous two years, respectively. The average cost per pupil worked out on the average number of pupils on the roll throughout the year was Rs. 54.4 against Rs. 36.2 and Rs. 35.3 of the immediately preceding two years, respectively. These increases in the average costs were due to (1) fall in the total number of pupils on the roll, (2) increased expenditure under certain heads, such as, Training Institutions, and (3) retention in service of the staff of teachers and menials who were all permanent employees almost at the same strength as in the previous year in spite of fall in the number of pupils.

Many of the teachers were untrained. Instead of relieving them, the Schools Committee opened for them Training Classes at Municipal expense and deputed a majority of such teachers on stipends to these classes. No less than 490 teachers were under training on all sides during the year.

The number of Aided Schools increased by 6, i.e., their number rose from 193 to 199 in the year of report and the total number of pupils in these Schools also rose from 27,347 to 31,338 in the year under review. This increase was mainly in English teaching Schools. 14 new such schools were opened during the year in addition to 13 schools of the previous year. Consequently, the total number of pupils in these schools at the end of the year was 7,626 against 3,123 in the previous year. However, the number of teachers—full time and part time—in the aided schools shows an increase of only 12 over 1,549 such teachers in the previous year. The total amount of grant-in-aid paid to these schools was Rs. 2.16 lacs against Rs. 1.90 lacs in the previous year. The cut applied in the grants during the year under review was only 4 per cent. against 12½ per cent. in the preceding year. The total cost incurred by these aided schools was Rs. 13.56 lacs for 27,657 pupils shown as the average number on their rolls. The cost per pupil thus worked out to Rs. 49.1 against Rs. 38.7, Rs. 37.4 and Rs. 36.6 in the immediately preceding three years, respectively. This compares very favourably against the Municipal average cost per pupil of Rs. 54.4.

Besides these aided schools, there were 19 recognized schools which did not receive a grant-in-aid from the Schools Committee with a total of 2,188 pupils on the roll against 13 such schools with 1,157 pupils in the previous year.

In all 630 pupils took advantage of the different types of classes in the Central Schools of which 460 and 110 attended classes in Carpentry and Printing and Book-Binding, respectively.

Control of 10 out of 11 libraries so far maintained by the Schools Committee was taken over by the Commissioner from 1st March 1943 and a separate Library Department has now been created under the Commissioner and placed in charge of a part time Chief Librarian for the present.

An A. R. P. exhibition arranged by the Schools Committee during the year to give information and education to visitors in measures to be taken during an enemy attack on the City was appreciated by those who visited it.

44. In their review of the last year's report, the Standing Committee had observed that though a separate legal department was created since 1931-32 with a qualified Legal Assistant at its head, no report of the working of the department had so far been incorporated in the Annual Administration Report. The Committee had further suggested that such a report be included in the subsequent reports. The Committee hope that this omission will be made good in the subsequent reports and if there is any difficulty in doing so, the Commissioner will appraise the Committee of the same.

45. During the year of report, the Press had to work under a severe shortage of paper, especially White and Badami, consequent upon Government control thereon, with the result that close scrutiny had to be made of every job to determine its size and form. **Municipal Printing Press.** The total quantity of paper consumed was 37 tons against 53 tons in 1941-42, which shows a decrease of about 30 per cent. in spite of the fact that the printing work remained almost the same.

With an increase of over 100 per cent. in the cost of paper and materials, there was an increase of nearly 15 per cent. in the Labour Cost as compared with the cost of the previous year. The Working and the Profit and Loss Account for the year shows a surplus of Rs. 491 on a total turnover of Rs. 1.78 lacs. The corresponding figures for the last year were Rs. 137 and Rs. 1.55 lacs, respectively. The labour staff on 28-2-1943 consisted of 113 effective workers against 126 at the close of the last year.

46. It will be noticed that the Administration Report has been reduced considerably in size by the use of smaller types and also by the omission of several details. It is to be hoped that this curtailment will only be temporary and that when the paper condition improves, the usual details will be reproduced in the report in future. The report of the Municipal Chief Auditor is also not included herein and it is presumed that it will be placed before the Standing Committee independently in due course.

47. In the foregoing paragraphs the Standing Committee have endeavoured to epitomize the results of the working of the civic machinery during the year 1942-43. Reference is invited, where greater details are needed, to the reports of the various departmental heads and the appendices attached thereto. The City's administration, it will be patent, was largely influenced by war conditions and it must be admitted that progress in various essential directions is at a stand-still. Perhaps in some respects, e.g., roads, there is a marked deterioration, but this cannot be helped, and will have to be put up with till more favourable circumstances develop.

During the year the City passed through almost a crisis, inasmuch as the Japanese successes in the Pacific, the Malaya Peninsula and, nearer home, in Burma, created a great scare and there was a great exodus from the City in the beginning of the year. Things, however, improved in the latter half of the year and as a matter of fact towards the end of the year the City registered almost an unprecedented increase in its population, which some to-day put at very nearly 20 lacs. Despite these abnormalities, the City's services functioned quite well, the health conditions during the year remained satisfactory and the death rate registered is the lowest, *viz.*, 16.9 per 1000, ever on record.

Apparently, the working of the year has also been satisfactory financially giving a surplus of Rs. 24.36 lacs during the year. The position, however, is to be accepted with the greatest caution, for, as analysed by the Chief Accountant in paragraph 34 of his report, there have been extraordinary increases in our income to the tune of Rs. 18.17 lacs and decreases in expenditure of even much larger amounts. These factors are not expected to recur and when normal working is restored, financial equilibrium will be hard to achieve. In fact, great demands are going to be made on Municipal finances during the period of re-construction after the War. The schemes of augmentation of the City's water supply, which is urgently called for, are being prepared and will have to be launched as early as possible. The existing drainage and sewerage systems also admittedly require over-hauling and will have to be further supplemented on the increase in water supply. Each of these items will demand crores of rupees. If to this is added the almost certain burden in respect of better housing and slum clearance, it will be noticed that the needs of the Municipality in the immediate future are heavy, but to all appearances there is no source of additional income adequate to meet these demands. The Corporation naturally therefore anticipate a period of great anxiety in regard to their finances and the Standing Committee hope that they would once more impress upon Government the necessity of their taking early action to rehabilitate Municipal finances to enable the Corporation to tackle the post-war problems efficiently.

48. In conclusion, the Standing Committee desire to record their high appreciation of the very able and valuable services rendered by Mr. M. D. Bhat, I.C.S., whose high administrative ability and financial acumen have been of great help to the Committee in running the Municipal Administration.

MUNICIPAL CORPORATION OFFICE, }  
Bombay, 22nd September 1943. }

GOVINDLAL S. MOTILAL,  
Chairman, Standing Committee.

# Administration Report of the Municipal Commissioner for the City of Bombay for the year 1942-43.

## CORPORATION, STANDING COMMITTEE AND IMPROVEMENTS COMMITTEE.

### CORPORATION.

1. Mr. Yusuf Meherally, B.A., LL.B., was elected Mayor at the Meeting of the Corporation, held on the 2nd April 1942, and held that office throughout the year.
2. Eighty-seven meetings of the Corporation including thirteen Special and Adjourned Special Meetings, and one hundred and twenty-two meetings of the Committees and sixteen meetings of the Sub-Committees other than those of the Standing Committee and the Improvements Committee, were held during the year. Councillors also attended the presentation of a Civic Address to the Members of the Turkish Press Mission.
3. The changes that took place in the personnel of the Corporation during the year were as follows :—  
Mr. Ratilal Mulji Gandhi, B.A., M.L.C., was elected by the rent-payers of Ward No. 6 (Bhuleshwar Market) on 16th May 1942 in the vacancy caused on account of Mr. U. S. Nemani having ceased to be a Councillor on 17th March 1942 owing to his absence from the Corporation meetings for 12 successive months.  
Dr. Manchersha Dhanjibhoy Dorabji Gilder, M.D. (Lond.), F.R.C.S. (England), M.L.A., was elected by the rent-payers of Ward No. 2 (Fort Northern and Esplanade) on 8th August 1942 in the vacancy caused by the resignation of Mr. Mathooradas Tricamjee on 29th March 1942.  
Mr. Kesharao Nilkanth Joglekar was re-elected by the rent-payers of Ward No. 15 (Sewri-Naigaum) on 30th October 1942, in his own vacancy caused on account of his having ceased to be a Councillor from 16th June 1942 owing to his absence from the Corporation meetings for 12 successive months.  
Mr. Shantaram Savlaram Mirajkar was elected by the rent-payers of Ward No. 14 (Parel) on 21st October 1942 in the vacancy caused on account of Mr. S. B. More having ceased to be a Councillor on 16th June 1942, owing to his absence from the Corporation meetings for 12 successive months.  
Mr. Moideen Bawa was elected by the Registered Trade Unions on 19th March 1943 in the vacancy caused by the resignation of Mr. Abdul Razak Abdulla on 18th January 1943.  
Mr. Raghunath Shivram Nimbkar resigned his seat on the Corporation as an elected member of Ward No. 18 (Parbhadevi-Worli) on 12th February 1943. The vacancy was not filled in before the close of the year.  
Mr. Ramnath Anandilal Podar was appointed by the Bombay Millowners' Association on 23rd February 1943 in the vacancy caused by the resignation of Mr. Krishnaraj M. D. Thackersey on 7th January 1943.  
Mr. Narsingrao Chinappa Pupala, G.I. Struct, E., was elected by the rent payers of Ward No. 13 (Byculla) on 25th September 1942, in the vacancy caused on account of Mr. Mahomed Shahid Nazimbux having ceased to be a Councillor on 10th June 1942 owing to his absence from the Corporation meetings for 12 successive months.

### STANDING COMMITTEE.

4. Mr. Motichand G. Kapadia, B.A., LL.B., was elected Chairman of the Standing Committee at the meeting of the Committee held on the 1st April 1942 and held that office throughout the year.
5. The changes that took place in the personnel of the Standing Committee were as follows :—  
Mr. Dahyabhai V. Patel was appointed as a member of the Committee on the 18th June 1942 in the vacancy caused by the resignation of his seat on the Committee by Mr. S. L. Silam from the 2nd June 1942.
6. Eighty-two Regular and twenty-two Special meetings of the Standing Committee and thirteen meetings of the Sub-Committees thereof were held during the year.
7. There were forty-seven attendances for the audit of Municipal Accounts and one hundred and four for signing cheques.

### IMPROVEMENTS COMMITTEE.

8. Dr. Jethalal V. Vora, L.M. & S., was elected Chairman of the Improvements Committee at the meeting of the Committee, held on the 7th April 1942. He held that office throughout the year.
9. Khan Saheb Mahomed E. Serang was appointed on the Committee on the 13th April 1942 in the vacancy caused by the resignation of his seat on the Committee by Mr. Madhavlal M. Bhatt from the 1st April 1942.
10. Thirty-two Ordinary Meetings including Adjourned Meetings and two Special Meetings (including one Adjourned Meeting) of the Improvements Committee and four meetings of the Sub-Committee thereof were held during the year.

### CORPORATION AND STANDING COMMITTEE OFFICE.

11. Rao Bahadur S. N. Damle, B.A., J.P., Municipal Secretary, proceeded on leave from 2nd July 1942 and continued to be on leave till 1st September 1942. He retired on account of superannuation from 2nd September 1942. Mr. B. V. Mody, B.A. (Hons.), Deputy Municipal Secretary, acted as Municipal Secretary during the absence of Rao Bahadur Damle on leave and was appointed by the Corporation to that office permanently from 2nd September 1942.

## LIST OF COUNCILLORS WHO HELD OFFICE ON THE 31ST MARCH 1943.

Mr. YUSUF MEHERALLY, B.A., LL.B., (Mayor).

Mr. MOTICHAND G. KAPADIA, B.A., LL.B., (Chairman, Standing Committee.)

Dr. JETHALAL V. VORA, L.M. & S., (Chairman, Improvements Committee).

Mr. D. R. GHARPURE, M.A., B.Sc., (Chairman, Schools Committee).

ACHREKAR, Mr. R. K.  
ALIMAHOMED, Mr. A. K., J.P.  
ALLABUX, KHAN BAHADUR MOHAMEDALLY, M.L.A., J.P.  
ANKLESARIA, Dr. D. T., M.B., B.S.  
BAIGMAHOMED, Mr. A. A.  
BHARUCHA, Mr. NAUSHIR C., M.B.E., M.A., LL.B.  
BHATT, Mr. MADHAVLAL M., J.P.  
BHUJPURIA, Mr. KHIMJI M.  
BIJJA, Mr. E. L.  
BORADE, Mr. M. R.  
BORKAR, Mr. K. L.  
BUTLER, Mr. H. E., O.B.E., J.P., (Commissioner of Police).  
CARCARY, Mr. D. D., J.P.  
CHAMBERLAIN, Mr. H., J.P.  
CHIMANLAL MANCHUBHAI, Mr.  
CHOKSY, Dr. J. N., M.B., B.S.  
CHOWDHERY, Mr. ZULMIRAM J.  
COLLACO, Dr. J. A., L.M. & S., M.L.A., J.P.  
CURSETJI, Dr. KHURSHED J. J., B.A., M.B., B.S., B.H.V.,  
M.R.C.S. (Eng.), L.R.C.P. (Lond.).  
CURTAY, Mr. A. L., J.P.  
DARVESH, Mr. SULEMAN MIA AHMED.  
DAVAR, Prof. SOHRAB R., BAR-AT-LAW, M.L.C., J.P.  
DEORUKHKAR, Mr. B. J.  
DESAI, Mr. GANPATISHANKAR N.  
DESAI, Mr. MOHANLAL M., B.A., LL.B.  
DEVJI RATTANSEY, Mr.  
DONDE, Mr. M. V., B.A.  
D'SOUZA, Dr. JOS. ALBAN, B.A., L.M. & S., J.P.  
GANDHI, Mr. RATILAL M., B.A., M.L.C.,  
GANDHI, Mr. V. B.  
GILDER, Dr. M. D. D., M.D. (Lond.), F.R.C.S. (Eng.), M.L.A.  
GODBOLE, Mr. M. V.  
GOLE, Mr. R. A.  
GORECAOKER, Mr. K. H., B.A., LL.B., J.P.  
GOVINDJEE, Mr. VITHALDAS D.  
GOVINDLAL SHIVLAL MOTILAL, THE HON'BLE  
RAJA BAHADUR, J.P.  
JAMNADAS DWARKADAS, Mr., B.A.  
JETHMAL NARANDAS, Mr.  
JOGLEKAR, Mr. K. N.  
JOSHI, Mr. MANCHERJI E., L.C.E., M.I.E., J.P.  
JOSHI, Mr. S. C., M.A., LL.B., M.L.C.  
KAJROLKAR, Mr. N. S.  
KARANJIA, Mr. BEHRAM N., M.L.C., J.P.  
KARAPURKAR, Mr. V. A., F.C.I. (Eng.).  
KHADILKAR, Mr. Y. K.  
KHANDRAY, Mr. B. M.  
KHIMJI, Mr. BHAWANJI A., M.L.A.  
KILLEDAR, Mr. M. M., M.L.A., J.P.  
MAHESHWARI, Mr. B. N.  
MANYAR, Mr. MOHOMMADALI S.  
MASANI, Mr. M. R., B.A. (Bom.), LL.B. (Lond.).  
MASCARENHAS, Dr. M. U., L.M. & S., J.P.  
MASTER, Mr. NAGINDAS T., B.A., LL.B., M.L.A.  
MEHTA, Mr. ASOKA R.  
MEHTA, Mr. JAMNADAS M., M.A., LL.B., BAR-AT-LAW, M.L.A.  
MEHTA, Dr. SRAB P., B.A., L.M. & S., J.P.  
MEISHERI, Dr. POONSEY H., F.C.P.S., L.M. & S., J.P.  
MIRAJKAR, Mr. S. S.  
MIRZA AKHTAR HASAN, Mr., B.A., LL.B., M.L.A.  
MOIDEEN BAWA, Mr.  
MORARJI, Mr. GORDHANDAS G., J.P.  
MUNSHI, Mr. FATEHKHAN A.  
MUNSHI, Mrs. LILAVATI K., M.L.A.  
MUNSHI, Mr. R. F., B.A. (Cantab), BAR-AT-LAW.  
MURTI, Mr. N. V. SHRINIVAS, B.A., B.E.  
(Executive Engineer, Presidency).  
NAGVEKAR, Mr. V. M.  
NARAVANE, Dr. T. R., B.A., A.V.V. (T.U.), L.M. (Rot.),  
Z.G.S. (Vienna).  
NARBHERAM NARSHIDAS, Mr.  
NARIMAN, Mr. KHURSHED F., B.A., LL.B., M.L.A.  
PANDIT, Mr. Y. G.  
PARELKAR, Mr. B. G.  
PATEL, Mr. DAHYABHAI V.  
PATEL, Mr. I. S., L.A.A., D.COM.  
PATEL, Mr. MAHOMEDBHAI O. E., B.A., LL.B.  
PATIL, Mr. S. K., M.L.A.  
PAVRI, Dr. HOMI F., M.C.P.S., M.B., B.S.  
PODAR, Mr. R. A.  
PRADHAN, Mr. D. V.  
PUPALA, Mr. NARSINGRAO C., C.I.STRUCT.E.  
RAIJI, Mrs. JAYASHRI N., B.A.  
RAJAB, Mr. MOHAMED UMAR  
RAJADHYAKSHA, Dr. B. H., M.B., B.S., J.P.  
RAMA RAU, Sir B., C.I.E., I.C.S., (Chairman, Port Trust Board).  
RAMZAN, Mr. FATEHMAHOMED HAJI.  
RAUT, Mr. RAJARAM B.  
ROWJEE, Mr. M. I., J.P.  
SABAVALA, Mr. A. P., B.A., BAR-AT-LAW.  
SAHER, Dr. DADIBA N., L.M. & S., J.P.  
SALEBHOY ABDUL KADER, Mr.  
SAVANT, Mr. P. K., B.A., LL.B.  
SERANG, KHAN SAHEB MAHOMED E.  
SETH, Mr. MANILAL J.  
SHAH, Mr. COOVERJI J.  
SHEIKH, Dr. G. R. A., B.Sc., M.B., B.S., J.P.  
SHIRODKAR, Mr. R. K.  
SILAM, Mr. S. L., B.A., LL.B.  
SINGH, Mr. KASHI PRASAD.  
SOONDERDAS MORARJEE, Mr.  
SUBRAMANIAN, Mr. K. A.  
SUKTHANKAR, Dr. Mrs. MALINIBAI B., M.B., B.S.  
TALPADE, Mr. M. N., B.A., LL.B.  
TAMBE, Mr. K. G., L.C.E.  
TATNIS, Mr. R. K.  
THAKKAR, Mr. RATILAL T.  
THAKKAR, Mr. SHIVDAS C.  
TULLA, Mr. V. R., B.A.G.  
TYABJI, Mrs. KHADIJA SHUFFI, M.L.A., J.P.  
VAGH, Mr. R. S.  
VAKHARIA, Mr. MANEKLAL N.  
VASANTRAM JAMIETRAM, Mr. B.A., LL.B., J.P.  
VELINKAR, Mr. V. S., B.A., BAR-AT-LAW.  
WORLIKAR, Mr. V. B.

Mr. MADHUSUDAN DAMODAR BHAT, B.A. (Bom.), M.A. (Cantab.), BAR-AT-LAW, I.C.S., J.P., (Municipal Commissioner)

and  
Mr. B. V. MODY, B.A. (Hons.), (Municipal Secretary).

## MEMBERS OF THE STANDING COMMITTEE AS ON THE 31ST MARCH 1943.

Mr. MOTICHAND G. KAPADIA, B.A., LL.B., (Chairman).

BHATT, Mr. MADHAVLAL M., J.P.  
CHIMANLAL MANCHUBHAI, Mr.  
GANDHI, Mr. V. B.  
GORECAOKER, Mr. K. H., B.A., LL.B., J.P.  
GOVINDJEE, Mr. VITHALDAS D.  
GOVINDLAL SHIVLAL MOTILAL, THE HON'BLE  
RAJA BAHADUR, J.P.  
NARAVANE, Dr. TRIMBAK R., B.A., A.V.V. (T.U.),  
L.M. (Rot.), Z.G.S. (Vienna).  
PANDIT, Mr. Y. G.  
PATEL, Mr. D. V.  
PATEL, Mr. I. S., L.A.A., D.COM.  
PRADHAN, Mr. D. V.  
RAJAB, Mr. MOHAMED UMAR.  
RAUT, Mr. RAJARAM B.  
SHEIKH, Dr. G. R. A., B.Sc., M.B., B.S., J.P.  
VASANTRAM JAMIETRAM, Mr. B.A., LL.B., J.P.

## MEMBERS OF THE IMPROVEMENTS COMMITTEE AS ON THE 31ST MARCH 1943.

Dr. JETHALAL V. VORA, L.M. & S., (Chairman).

ANKLESARIA, Dr. D. T., M.B., B.S.  
BHUJPURIA, Mr. KHIMJI M.  
DEORUKHKAR, Mr. B. J.  
DEVJI RATTANSEY, Mr.  
GORECAOKER, Mr. K. H., B.A., LL.B., J.P.  
JAMNADAS DWARKADAS, Mr. B.A.  
KARAPURKAR, Mr. VINAYAKRAO A., F.C.I. (Eng.).  
MUNSHI, Mrs. LILAVATI K.  
NAGVEKAR, Mr. V. M.  
RAIJI, Mrs. JAYASHRI N., B.A.  
RAJADHYAKSHA, Dr. B. H., M.B., B.S.  
RAMZAN, Mr. FATEHMAHOMED HAJI.  
SERANG, KHAN SAHEB MAHOMED E.  
SUBRAMANIAN, Mr. K. A.  
TAMBE, Mr. KESHAO GANESH, L.C.E.

\* There was one vacancy which was not filled before the close of the year.



## MEMBERS OF THE SCHOOLS COMMITTEE FOR THE YEAR 1942-48.

Name of Member.	REMARKS.
GHARPURE, PROF., DATTATRAYA R., M.A., B.Sc., <i>Chairman</i>	Elected as Chairman on 1st April 1942.
ALIMAHOMED ABUBAKAR BAICMAHOMED, MR.	
ABDUL LATIF CURTAY, MR., J.P.	
DESAI, Mr. GANPATISHANKAR N.	
* DESAI, Mr. NANUBHAI V., B.A., G.D.A. (Hons.), R.A.	
DONDE, Mr. MORESHWAR V., B.A.	Resigned from 22nd February 1943.
KAJROLKAR, Mr. NARAYAN S.	
* KHANDWALA, Mrs. KANTABEN D., B.A.	
* LELE, Mr. PURUSHOTTAM R., B.A., LL.B.	
MODI, Mrs. SULOCHANA M., M.A.	
PAVRI, Dr. HOMI F., F.C.P.S., M.B., B.S.	
SALEBHOY ABDUL KADER, Mr.	
SAWANT, Mr. P. K., B.A., LL.B.	
SINGH, Mr. KASHIPRASAD	
TULLA, Mr. VISHWANATH R., B.A.G.	
KHADIJA SHUFFI TYABJI, Mrs., M.L.A., J.P.	

\* Non-Councillor Members.

12. Mr. M. D. Bhat, M.A. (Cantab.), I.C.S., J.P., BAR-AT-LAW, held the office of the Municipal Commissioner throughout the year.

13. Dr. J. F. Bulsara, M.A., LL.B. (Bom.), Ph.D. (Lond.), held the office of the Deputy Municipal Commissioner throughout the year.

14. Mr. H. B. Shivdasani, M.A., (Cantab.), J.P., held the office of the Deputy Municipal Commissioner (Improvements) throughout the year.

**II.—Heads of Departments.**

15. Rao Bahadur S. N. Damle, B.A., J.P., Municipal Secretary, proceeded on leave from 2nd July 1942 prior to retirement. He retired on account of superannuation from 2nd September 1942. Mr. B. V. Mody, B.A. (Hons.), Deputy Municipal Secretary acted as Municipal Secretary during the absence of Rao Bahadur Damle on leave and was appointed by the Corporation to that post permanently from 2nd September 1942.

16. Dr. Jivraj N. Mehta, M.D., M.R.C.P. (Lond.), continued to hold charge of the post of the Dean, K.E.M. Hospital and Seth G. S. Medical College till 29th August 1942 when he retired from Municipal service due to superannuation.

Dr. J. P. Padshah, M.D. (Lond.), F.C.P.S. (Bom.) was appointed as Dean of the K.E.M. Hospital and Seth G. S. Medical College by the Corporation on 15th September 1942 and he was in charge of the two institutions from 23rd September 1942 till the end of the year. During the interval, the duties of the Dean pertaining to the K.E.M. Hospital and Seth G. S. Medical College were carried out by Capt. R. E. Dadachanji, M.B., B.S. Assistant Dean, and Dr. R. P. Koppikar, M.S. (Bom.), Professor of Anatomy, respectively.

17. The post of the Deputy City Engineer was vacant throughout the year.

18. Mr. L. S. Kagal, B.A., LL.B., Assessor and Collector was on leave from 20th April 1942 to 7th May 1942, when Mr. S. V. Vartak, B.A., Deputy Assessor, looked after his work in addition to his own.

19. Mr. D. I. Ahmedi, B.A.G., Superintendent of Gardens, was on leave for short period from 15th to 24th October 1942 and again from 15th March to 8th April 1943 when Mr. R. P. Vedak, G.B.V.C., Assistant Superintendent, Zoo Collection, looked after the work of the Superintendent in addition to his own.

20. The following officers continued in their respective appointments throughout the year:—

Mr. N. V. Modak, B.E. (Bom.), A.M.I.C.S. (India), M.R.S.I. (Eng.), as City Engineer.

Mr. E. A. Nadirshah, B.A., B.E. (Bom.), B.Sc. (Engineering, Edin.), M.Inst.C.E. (Lond.), as Hydraulic Engineer.

Dr. B. C. Das Gupta, B.Sc. (Hons.) (Cal.), M.B. (Cal.), M.R.C.P. (Ire.), D.P.H. (Lond.), as Executive Health Officer.

Mr. V. V. Shaligram, B.A., J.P. as Chief Accountant.

Mr. N. Coombs, L.C.C. (Eng.), as Chief Officer, Fire Brigade (now Officer Commanding, Fire Services).

Mr. B. K. Wadgaonkar, B.A. (Cantab.), J.P., as Test Audit Officer.

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

Mr. A. R. Manerikar, B.E., A.M.I.E., as Estate Agent and Land Manager.

Miss K. Khandvala, B.A., B.T. (Bom.), M.A. (U.S.A.), as Secretary, Schools Committee.

Mr. J. D. Daruwalla, M.Soc., C.E. (France), A.M.I.C.E., as Assistant Engineer, 1st Grade (Architecture).

Mr. S. M. Desai, B.E. (Bom.), Deputy Estate Agent and Land Manager.

Mr. N. K. Patel, B.Sc. (Engineering, Lond.), A.M.I.E.E., as Mechanical Engineer.

Mr. D. S. Laud, G.B.V.C., as Superintendent of Markets.

Mr. A. P. Saldanha, B.A., as Superintendent of Licences, Shops and Establishments.

- Mr. M. B. Maniar (Solicitor, Lond.), as Legal Assistant.  
 Mr. A. H. K. Shaikh, as Chief Store Keeper (now Controller of Stores).  
 Mr. K. R. Kelkar, B.A., as Election and Town Duty Officer.  
 Mr. S. C. Upadhyaya, M.A., LL.B. (Bom.), as Curator, Victoria and Albert Museum.

### III.—Financial.

21. The year under review witnessed military developments of far reaching importance in North Africa. The economic life of the people was further affected by the continuance of hostilities in different parts of the world. The regional trade which had replaced the international trade was governed mainly by war considerations. The prices of commodities continued to soar higher and higher, the general rate of rise being more than double of what it was in the previous year. There was a further decline in the foreign trade of India owing to the extension of war to the Pacific and want of shipping facilities. Japan's entry into the war and intensification of hostilities in Africa transformed India into a vital base for supplies and allied strategy in the East and Middle East. This gave added impetus to Indian industries and the textile industry was very heavily engaged owing to war orders. The local cotton mills were working to capacity during the year. The general increase in the industrial activity benefited the municipal finances to some extent as will be seen from the following account.

22. According to the Budget Estimates, the income, expenditure and deficit for the year were estimated at Rs. 370.36 lakhs, Rs. 374.65 lakhs and Rs. 4.29 lakhs, respectively. However, the actual income realised was Rs. 389.01 lakhs, and the expenditure incurred was Rs. 364.65 lakhs so that the year ended with a surplus of Rs. 24.36 lakhs.

23. The actual income during the year, viz., Rs. 389.01 lakhs, shows an increase of Rs. 21.35 lakhs as compared with that of the previous year viz., Rs. 367.66 lakhs. The total increase was Rs. 27.59 lakhs against which there were decreases amounting to Rs. 6.24 lakhs. The main increases were under General Tax, Rs. 8.75 lakhs, Water Works, Rs. 5.08 lakhs, Halalkhor Tax and Miscellaneous, Rs. 1.21 lakhs. Roads, Drains and Sewers, Rs. 3.42 lakhs, Mechanical, Rs. 0.30 lakh, Fire Tax, Rs. 0.46 lakh, Licensing, etc., Rs. 0.36 lakh, Markets and Slaughter Houses, Rs. 1.40 lakhs and Refund of excess amount paid to the Improvement Schemes Account on account of contribution from the Municipal Corporation, Rs. 6.28 lakhs. The main decreases were under Town Duties, Rs. 3.66 lakhs, Buildings, Land Acquisition and Management, Rs. 0.57 lakh, Contribution from Capital Funds to Revenue, Rs. 0.20 lakhs and excess accumulation in the Plant and Machinery Depreciation Fund, Rs. 1.40 lakhs.

24. The actual expenditure for the year viz., Rs. 364.65 lakhs shows an increase of Rs. 5.43 lakhs over that of the previous year viz., Rs. 359.22 lakhs. The total increase in expenditure amounted to Rs. 21.85 lakhs, viz., Rs. 0.14 lakh under General Supervision, Rs. 0.78 lakh under Education, Primary, Rs. 1.38 lakhs under Medical Relief and Education, Rs. 0.53 lakh under Street Cleansing and Conservancy, Rs. 0.63 lakh under Markets and Slaughter Houses, Rs. 6.65 lakhs under Grain Compensation Rs. 11.55 lakhs under Measures for Civil Defence and Rs. 0.19 lakh under Extra-ordinary Measures—Removal of debris from the fallen building at Back-Bay Reclamation. The total decrease in expenditure amounted to Rs. 16.42 lakhs, the main items being Rs. 0.12 lakh under Water Works, Rs. 3.15 lakhs under Roads, Drains and Sewers, Rs. 0.19 lakh under Mechanical, Rs. 0.29 lakh under Buildings, Land Acquisition and Management, Rs. 12.20 lakhs under Contribution towards Improvement Schemes and and Rs. 0.20 lakh under Grants-in-Aid to Public Institutions.

25. The incidence of taxation per head for the year was Rs. 21-7-8 against Rs. 20-7-5 for the preceding year.

26. The net unhypothecated Surplus Cash Balance on 31st March 1943 (including the minimum required by law), was Rs. 45.86 lakhs against Rs. 34.11 lakhs on 31st March 1942.

27. The balance of stock, including Surplus and Obsolete on 31st March 1943 was valued at Rs. 9.28 lakhs against Rs. 6.67 lakhs at the close of 1941-42 showing an increase of Rs. 2.61 lakhs.

28. The total amount of grants (including Renewed and Additional Grants) was Rs. 419.23 lakhs, while the expenditure amounted to Rs. 364.65 lakhs, leaving an unexpended balance of Rs. 54.58 lakhs. Out of this, grants aggregating to Rs. 16.73 lakhs are reserved for being renewed for expenditure in 1943-44, while Rs. 37.85 lakhs are treated as savings.

29. Additional grants sanctioned during the year aggregated to Rs. 35.84 lakhs against Rs. 5.85 lakhs in 1941-42.

30. The expenditure on Capital Works during the year amounted to Rs. 19.52 lakhs against Rs. 39.66 lakhs provided for in the revised estimates under this head.

31. During the year, a loan of Rs. 25.00 lakhs was raised at 3½ per cent. interest per annum with 30 years' currency on 3 per cent. Sinking Fund basis. In addition to this, Loan advances were taken from the Special Funds to finance the expenditure on Plant and Machinery.

32. Reduction of Debt during the year amounted to Rs. 114.38 lakhs. The loan liabilities of the Corporation at the close of the year stood at Rs. 14,60.72 lakhs. The total Sinking Fund required upto 31st March 1943 was Rs. 3,34.07 lakhs but the actual value was Rs. 3,51.89 lakhs as under :—

	Rs.
	lakhs.
Public Securities of the Market value of	... 3,48.49
Interest accrued on the above Securities upto 31st March 1942	... 3.40
	<hr/>
Total	... 3,51.89

33. A comparison of the net revenue and net expenditure for 1941-42 and 1942-43 is made below in accordance with Standing Committee Resolution No. 12212, dated the 3rd February 1892 :—

Particulars.	1941-42.	1942-43.
	Rs.	Rs.
Net revenue after deducting refunds, drawbacks and charges in respect of assessment and collection and granting of refunds :—		
General Tax	1,35,01,866	1,43,69,417
Town Duties	17,05,637	13,41,390
Music, etc.; and Liquor Licences	7,110	2,505
Returns from Property and Miscellaneous	13,13,677	13,03,912
Water Works	19,01,673	24,20,800
Street Cleansing and Conservancy, Road Watering and Halalkhore Service	9,10,524	9,78,076
Wheel Tax and Tolls	14,70,207	18,14,308
Fire Tax	1,55,479	2,10,447
Markets and Slaughter Houses	7,01,692	7,68,592
Licensing and Removal of Encroachments, etc.	3,20,121	3,59,950
Contribution from Capital Funds to Revenue on account of Loan Works Staff	90,893	70,564
Extraordinary receipts	1,34,510	1,29,872
(a) Interest on Net Premia Fund and excess interest on Sinking Fund...	1,34,510	1,29,872
(b) Refund of excess amount paid to the Improvement Schemes Account on account of contribution from Municipal Corporation	...	6,29,745
Rebate from Government on account of collection of the Urban Im-movable Property Tax in the City	1,80,666	1,72,781
Excess accumulation in the Plant and Machinery Depreciation Fund	1,40,201	Nil
<b>Total</b>	<b>2,25,34,256</b>	<b>2,45,70,359</b>
Net expenditure after deducting receipts :—		
General Superintendence	3,76,991	3,85,928
Education, Primary	33,83,187	34,60,264
Education, Secondary	15,382	14,614
Public Health Department	9,77,110	9,69,980
Medical Relief and Education	22,46,848	23,82,618
Roads, Drains and Sewers (including Public Lighting)	64,18,927	61,07,371
Mechanical	13,01,020	12,42,587
Buildings, Land Acquisition and Management	10,34,575	10,47,437
Gardens and Open Spaces	3,82,256	3,83,367
Miscellaneous	2,01,550	2,01,264
Contribution towards Improvement Schemes	36,88,945	24,69,485
Provident Fund, Pensions, Gratuities and Compassionate Allowances	10,67,423	10,61,021
Urban Immoveable Property Tax on Municipal Properties	53,985	47,839
Grain Compensation Allowance	3,08,010	9,72,830
Grants-in-aid to Public Institutions.	2,33,365	2,12,700
Measures for Civil Defence	...	11,55,548
Extra-ordinary Measures-Removal of Debris, etc., from the fallen building at Jamshedji Tata Road, Backbay Reclamation	...	19,013
<b>Total</b>	<b>2,16,89,574</b>	<b>2,21,33,866</b>
<b>Surplus</b>	<b>8,44,682</b>	<b>24,36,493</b>
<b>Total</b>	<b>2,25,34,256</b>	<b>2,45,70,359</b>

#### IMPROVEMENT SCHEMES.

##### General Account.

34. The income, expenditure and deficit for the year as per Budget Estimates B were Rs. 1,02.17 lakhs, **Estimates and Actuals** of Rs. 102.50 lakhs and Rs. 0.33 lakh, respectively, the corresponding actuals being **Income and Expenditure.** income Rs. 87.28 lakhs, expenditure Rs. 103.48 lakhs and deficit Rs. 16.20 lakhs.

35. The actual income for the year, viz., Rs. 87.28 lakhs shows a decrease of Rs. 16.27 lakhs over that of the preceding year, viz., Rs. 103.55 lakhs. The main items contributing to the **Variation in Income.** decrease were (1) Contribution from the Corporation, Rs. 12.20 lakhs, (2) Tobacco Duty Receipts, Rs. 5.87 lakhs and (3) Interest and Profit on Investments, Rs. 0.07 lakh partly set off by an increase of Rs. 1.86 lakhs in Land Revenue realisations and Rs. 0.01 lakh in Miscellaneous Receipts.

36. The actual expenditure for the year, viz., Rs. 103.48 lakhs shows an increase of Rs. 5.80 lakhs over that of the previous year, viz., Rs. 97.68 lakhs. This is made up of an **Details of Expenditure.** increase of Rs. 6.28 lakhs due to repayment of excess amount of contribution received from the Municipal Corporation counterbalanced by a decrease of Rs. 0.15 lakh, under Maintenance of Properties and Streets and of Rs. 0.33 lakh under Debt Charges.

##### Capital Account.

37. The expenditure on Capital Works during the year amounted to Rs. 6.92 lakhs. **Expenditure on Schemes.**

38. There was no fresh borrowing during the year. **Loan floated in the year.**

39. Reduction of debt during the year amounted to Rs. 14.91 lakhs. The loan liabilities of the Improvement Schemes at the close of the year stood at Rs. 16,17.88 lakhs. The total Sinking **Loan Liabilities.** Fund required upto 31st March 1943 was Rs. 2,69.70 lakhs but the actual value was Rs. 314.63 lakhs as under :—

Public Securities of the Market value of	Rs.	lakhs
Interest accrued on the above Securities upto 31st March 1943	3,13.40	1.23
<b>Total</b>	<b>3,14.63</b>	

#### IV.—ASSESSMENT AND COLLECTION.

40. The rates of taxation in respect of lands and buildings were the same as in the preceding year, *viz.*, general tax (including fire tax) 11½ per cent., water tax 3½ per cent., and halalkhor tax 3 per cent. The rates levied for the supply of water by meter measurement continued to be the same as in the preceding year, except with regard to the supply to (1) bungalows and gardens with fountains and (2) cotton and other mills, and dyeing and bleaching mills where the rate was enhanced from annas 10 per 1,000 gallons to annas 12 and 14, respectively, and to boarding houses, bakeries and hamamkhanas, where it was reduced from annas 14 to 10.

41. The total number of properties on 31st March 1943 was 48,967 against 48,664 on 31st March 1942. Out of this number, 39,483 properties were assessed to general tax, 1,608 were exempted under Section 143 (1) (a) of the Municipal Act, and 6,793 were not taxed being small plots of waste land. The number of Municipal properties exempted from the general tax under Section 143(1)(b) during the year was 1,083 against 1,056 in the previous year.

42. The net demand in respect of property taxes was Rs. 322.84 lakhs, collection Rs. 286.31 lakhs and outstandings at the end of the year Rs. 36.53 lakhs against Rs. 311.29 lakhs, Rs. 273.56 lakhs and Rs. 37.73 lakhs, respectively in the previous year. The net demand in respect of wheel-tax amounted to Rs. 15.36 lakhs, and collection to Rs. 13.69 lakhs, leaving an outstanding of Rs. 1.67 lakhs. Thus the aggregate outstandings at the close of the year amounted to Rs. 38.20 lakhs against Rs. 39.60 lakhs in the preceding year. The former was reduced to Rs. 28.99 lakhs by 15th June 1943. Out of the outstandings of Rs. 38.20 lakhs at the close of the year Rs. 15.42 lakhs were due from Government, (out of which a sum of Rs. 14.37 lakhs has since been cancelled on account of the High Court decision that Government hospitals and educational institutions are entitled to exemption), Rs. 0.13 lakh from the Bombay Municipal Corporation (Improvements) (awaiting adjustment) Rs. 0.19 lakh from the G.I.P. Railway and Rs. 0.84 lakh from the B.B. & C.I. Railway. The outstandings from other ratepayers amounted to Rs. 21.57 lakhs, out of which a sum of Rs. 5.50 lakhs was in respect of suits filed or being filed, Rs. 0.30 lakh payable by the Court Receiver and the Official Assignee. Thus outstandings amounting to Rs. 26.43 lakhs were beyond the control of the Ward staff. The percentage of outstandings to the net demand during the year was 11.3 against 12.2 during the preceding year, and if the factors beyond the control of the Ward staff were taken into account, the percentage stood reduced to 3.2 per cent. against 3.3 per cent. in the preceding year.

43. The net rateable value of properties in the City at the close of the year was Rs. 14,63.64 lakhs against Rs. 14,27.66 lakhs in the previous year. There were 19 appeals against rateable values of which 10 were settled out of Court, one was dismissed, and 8 were decided by the Court in favour of the appellants.

44. Out of the total amount of Rs. 39.35 lakhs to be collected in connection with riots that occurred between 1929 and 1941, a sum of Rs. 37.25 lakhs was collected up to the close of the year, leaving a balance of Rs. 2.10 lakhs.

45. The gross collections and refunds of the Urban Immoveable Property Tax during the year amounted to Rs. 83.90 lakhs and Rs. 5.60 lakhs respectively. The collections of the Urban Immoveable Property Tax during the year amounted to about 92.3 per cent. of the demand.

46. The outstanding event of the year was the amendment of the Municipal Act by Bombay Act VIII of 1942, whereby wheel-tax was made payable quarterly in advance instead of in arrears. This provision was brought into force from 1st July 1942. The revision of values of textile and other mills in the City for 1943-44 was also contemplated and with this end in view the floor areas of the mills were measured jointly with the Surveyors appointed by the Mill Owners' Association and special notices enhancing the values were served on the mills before the close of the year.

#### V.—TOWN DUTIES AND ELECTIONS.

47. The rates on all articles liable to Town Duty continued to be the same as in the previous year. The net receipts from Town Duties amounted to Rs. 15,46,335 against Rs. 19,41,915 in the preceding year. Though there is a decrease of Rs. 3,95,580 in the revenue, it is more than the average revenue for the last 10 years. There was a reduction in the import of grain, sugar, beer and timber and also a corresponding reduction in the export of these articles.

48. The total number of claims for refund received during the year was 14,394 and the amount refunded was Rs. 8,56,317 against 41,267 claims and Rs. 11,77,945 refunded during the preceding year. The fees for stamping sugar bags and sealing ghee tins amounted to Rs. 48,708 against Rs. 61,877 in the preceding year.

49. The proposal of the Municipal Corporation to amend Schedule 'H' to the City of Bombay Municipal Act so as to enable the Corporation to levy town duty on certain additional articles is still pending with Government awaiting consideration by the Legislature on the restoration of Provincial Autonomy.

50. During the year the Municipal Election Roll was revised in accordance with Section 19 of the City of Bombay Municipal Act and published on 19th December 1942 (20th being Sunday) as required by Section 20 of the Act. The total number of voters on the Roll was 2,76,960. The Roll of Delegates as contemplated by Section 21-A of the Municipal Act was prepared and published on the due date. Eight Unions selected their delegates to constitute the Electoral College. The expenditure on the revision of the Election Roll was Rs. 29,716 and that on printing the Addenda and Corrigenda to the Roll was Rs. 12,295. There were five casual vacancies during the year in Wards Nos. 2, 6, 13, 14 and 15. There was one By-Election from the Registered Trade Unions Constituency and another from the Millowners' Association Constituency.

51. The proposals for the amendment of the provisions relating to Municipal Elections are under consideration by Government and the Revised Schedule 'B' is before the Corporation for consideration.

52. The expenditure for holding the By-Elections amounted to about Rs. 4,725.

## VI.—CITY ENGINEER'S DEPARTMENT.

### Architectural Branch.

53. The total number of Municipal and *ex-Trust* properties maintained during the year was 2,195. Fifty-eight properties were demolished on account of their being either in an unsound condition or being required to be pulled down in connection with development schemes. A few of these buildings were demolished departmentally with a view to getting our staff trained in demolition and rescue work, so that their services could be utilised in the event of damage to Municipal buildings by enemy action. The total amount realised from the sale of materials of the demolished buildings was Rs. 18,689-8-0.

The work of repairs and maintenance of the Municipal buildings was entrusted to contractors Messrs. J. B. Bankar and Desai Laloobhai & Co., and their rates were as under :—

Division No. I.—A, B, C, D and E/East Wards—30 per cent. above the schedule rates.  
Division No. II.—E/West, F and G Wards, etc.—45.25 per cent. above the schedule rates.

The work of colour and whitewashing and of monsoon repairs was, however, carried out departmentally, as it was found economical.

Due to the scarcity and high cost of materials on account of the war, practically no new construction works were taken in hand except the two mentioned below, which were very urgent :—

- (1) The Guniting treatment for Block B of the Palton Road Chawls—Cost Rs. 99,840.
- (2) Construction of a Fire Brigade Station at Memonwada Road—Cost Rs. 1,65,752.

### Building Branch.

54. The total number of applications received for the construction of new buildings was 1,650 against 3,968 during the preceding year. The fall in the number of applications during the year was due to the scarcity of building materials on account of the war and also on account of the restriction imposed by Government on the construction of new buildings.

The number of one room tenements constructed was 780, two room tenements 555 and blocks 614 against 1,737, 1,181 and 773, respectively, in the previous year; the number demolished was 554, 74 and 36, respectively.

The number of prosecutions launched for enforcing building byelaws was 881, of which 546 were withdrawn, 3 ended in warning and discharge of the 166 parties concerned, resulted in convictions and 166 were pending against 1,260, 645, 98, 278 and 239, respectively in the preceding year.

55. Set-backs valued at Rs. 3.24 lakhs were acquired and paid for during the year, against set-backs of Rs. 7.85 lakhs acquired in the preceding year, costly setbacks being paid for in annual instalments as usual.

A most unfortunate event unprecedented in the history of building construction in Bombay occurred on 28th June 1942 when a five-storeyed building under construction on Plot No. 197, Jamshedji Tata Road, Back Bay Reclamation, collapsed suddenly enveloping in its ruins about 150 persons, of whom 58 persons died. A Special Inquiry Committee, under the Chairmanship of Mr. B. J. Wadia, M.A., LL.B., BAR-AT-LAW (a retired Judge of the Bombay High Court), was appointed by the Government of Bombay to enquire into the causes of this mishap. The observations made by the Committee in the course of their Report as far as they relate to Municipal administration are under consideration and a detailed report thereon will be submitted to the Corporation shortly.

56. The total revenue realised from the stall-board and weather frame projections during the year was Rs. 1.36 lakhs against Rs. 1.42 lakhs in the preceding year. The permits for stall-boards numbering about 50 along the southern footpath of Grant Road were not renewed in pursuance of Corporation Resolution No. 904, dated the 7th January 1943.

57. Further action for the compulsory conversion of basket privies into water closets on full flushing system in F and G Wards was suspended, as the Standing Committee did not seem to be in favour of pursuing the action (*vide* their Resolution No. 1658, dated the 18th February 1942). Only 70 privy seats were converted into full flushing water-closets. This brings the total number of privies so far converted under the Scheme to 3,410.

58. The proposals for amending the present Building Regulations and Byelaws as also the Draft Code for Steel and R.C.C. construction are under the consideration of the Works Committee.

59. In addition to the normal duties, the staff of the Building Branch with the help of the additional Government staff, carried out the survey of private buildings in the City with a view to taking action for enforcement of the A.R.P. measures. About 5,575 notices were served on house-owners. Further work was, however, stopped at the instance of Government.

60. The work of preparing an inventory of Municipal properties inside and outside the City belonging to the Water Works Department was completed. The information so far collected for inclusion in the inventory has been recast, classifying the assets under different heads, such as capital, revenue, etc. The statements prepared in this connection are being verified by the Chief Accountant and a report will be submitted to the Corporation as soon as they are ready.

### Mechanical Branch.

61. The expenditure on departmental and private works carried out in the Municipal Workshop amounted to Rs. 2.32 lakhs as against Rs. 2.63 lakhs in the preceding year and that on the upkeep and overhead charges amounted to Rs. 64,811 which works out to 28 per cent. of the expenditure incurred on labour and stores used, against 25 per cent. in the previous year.

62. The average quantity of sewage pumped out at Love Grove in dry weather was about 63 million gallons per day, whilst during the rainy season it amounted to 66 million gallons per day and the cost per million gallons worked out to Rs. 6.19 against Rs. 5.98 in the preceding year. The scheme for dealing with the problem of sewage disposal at Love Grove which has been approved by the Corporation could not be taken in hand due to high cost of materials.

63. The total volume of sewage received at the Dadar Purification Plant amounted to 3,607.86 million gallons, and the total crude sludge digested amounted to 182.5 million gallons. The quantity of sludge gas generated amounted to 24,449,000 cubic feet, the average per day being 67,914 cubic feet. Out of the total gas produced a quantity of 6,537,200 cubic feet was supplied to the K.E.M. Hospital and its staff, resulting in a net saving of Rs. 20,058. The remaining gas was allowed to burn.

With a view to arresting this waste, a gas compressor plant was erected in December 1942. One motor lorry was converted from petrol into gas drive and it is running satisfactorily as a regular transport unit from January 1943. This has resulted in a saving of Rs. 780 in petrol cost during three months.

It may be mentioned here that the volume of sewage received at the Purification Plant was far in excess of the capacity of the Plant. This excess which is about 6 million gallons, per day, had necessarily to be diverted to the open storm water drain without chlorination, as chlorine was not available. This gave rise to occasional complaints from residents of the locality about bad smell. This state of affairs can be improved only when the Plant is extended, for which a scheme has already been sanctioned by the Corporation but the work had to be postponed for want of materials, especially steel. A representation has been made to Government for obtaining the quantity of steel required for the digestion tank.

During the year all the Pumping Stations worked satisfactorily and the total approximate quantity of sewage pumped out was 2298 million gallons and their working cost was Rs. 44,585. In addition to the existing Pumping Stations one more at Jacob Circle was constructed during the year and it is expected that it would be ready for operation.

64. All the Ejector Stations in the City operated by four compressor stations worked satisfactorily during the year and the total expenditure incurred on their maintenance amounted to Rs. 1.63 lakhs against 1.54 lakhs in the preceding year. The maintenance cost of Pumping and Compressor Stations, as also of the Dadar Purification Works, has increased considerably due to abnormal rise in the cost of materials and spare parts and also on account of longer working hours of the machinery necessitated by the increased population of the City.

65. During the year, there were 487 new cases which were inspected and disposed of. The complaints received in respect of existing factories were investigated.

66. The total number of vehicles in charge of the City Engineer's Department was 111 out of which 108 were in commission during the year. The expenditure incurred on their running cost was Rs. 7 lakhs against Rs. 7.25 lakhs in the preceding year. The decrease in cost may be attributed to the system of supplying the vehicles with petrol, oil and grease during night time to enable them to start work early in the morning.

There were 34 Road Rollers out of which 8 were sold to the Central Government in connection with war work at an aggregate price of Rs. 66,048. In the case of some of the Rollers sold, the Central Government have agreed to resell them to the Municipality after the war is over at the cost paid by them less depreciation.

67. The Plant at the A. C. Market has long outlived its normal life and is required to be replaced by a new one. This is, however, not possible during war time. Every endeavour is nevertheless made to maintain the plant in a working condition.

#### Works Branch (Construction).

68. The cost of road and drainage construction works carried out during the year amounted to Rs. 3.25 lakhs, out of which works costing Rs. 0.75 lakh were carried out by contract and the rest carried out departmentally.

69. The total mileage of roads in the City is approximately 262. The cost of repairs and maintenance of different types of road surfaces, including watering, amounted to Rs. 2,10,190. A portion of the Jerbai Wadia Road was treated with "Shalimar" tar as an experiment and its behaviour is kept under observation.

It may be remarked that the surface of many roads in the City has considerably deteriorated owing to heavy rains during the preceding year. Their condition has been further worsened by heavy military traffic with the result that an unusual strain has been put on the roads in the City. The roads treated with sheet asphalt have suffered most, as Government have stopped the supply of asphalt and consequently, no attention could be paid to them during the year. A large area of roads treated with sheet asphalt is already due for renewal but for want of materials nothing can be done. The activities of the Road Department had, therefore, to be restricted only to very urgent works after securing licences from Government for the supply of controlled materials.

70. During the year action was taken to improve 4 private streets and 3 private streets were declared "public" after necessary improvement works were carried out by the frontagers. In addition to these, 5 more streets, which were hitherto considered as "private streets", were declared "public" in pursuance of the decision of the High Court, as there were storm water drains and sewers thereunder prior to 1888. The total expenditure incurred on the improvement of private streets during the year was Rs. 12,890, and the recoveries (including interest) made from frontagers amounted to Rs. 37,368 against Rs. 31,164 and Rs. 52,958, respectively in the preceding year.

71. During the year 842 new trees were planted along roadsides, out of which 255 were planted where no trees existed and the cost incurred thereon amounted to Rs. 3,950. The rest of the trees were planted to replace those damaged by storms and also during the disturbances in the City in August 1942. The total cost on this account amounted to Rs. 6,641.

72. During the year 205 new benches were provided on various roads at a total cost of Rs. 8,584 which was met partly from the Budget grants and partly from the donation of Rs. 4,000 received from Mr. Hariram Jethabhai Mulchand.

73. The following are the amounts realized by way of rent on account of permits issued for occupation of public streets, opening of trenches, wayleave and roadside letting, etc.:-

Income.	Rs.	Rs.
Temporary permits	... 27,250	B.E.S. & T. Co. (Tramtracks) 66,944
Occupation of roads for miscellaneous purposes	36,300	Telephone Company (wayleave) 67,000

74. During the year, only one crusher at Worli and two crushers at Sewri were worked by contract labour. The remaining crushers were out of work, as there was less demand for metal owing to the reduced number of works. A dust extraction plant was fixed to the remaining crusher at Sewri during the year, which will help to abate the dust nuisance to a considerable extent.

75. Only two traffic islands were constructed on a permanent basis at a cost of Rs. 1,680 while 3 pedestrian guard-railings were erected at a total cost of Rs. 7,899.

76. The Plant could work only for a few days in the months of April and May and had to be stopped thereafter as asphalt was not available.

The total mileage of the pipe sewers was 204.83 against 201.10 in the previous year. A length of 98.37 miles of pipe sewers was cleaned during the year. Out of the total mileage of 17.18 of ovoid sewers, a length of 11.76 miles was cleaned. The total length of storm water drains in the City was 208 miles against 206.63 in the preceding year. The storm water drains of the aggregate length of 11.84 miles were cleaned during the year.

77. The total number of street lamps at the end of the year was 10,769 against 10,669 in the previous year. The number of lamps under each class and the expenditure incurred on their lighting during the year was as under :—

Nature of lamps.	Number of lamps.	Expenditure incurred. Rs.
Gas lamps	8,648	6,31,387
Electric lamps	1,917	2,62,821
Bannister (incandescent oil lamps)	184	40,482

Further, an additional expenditure of Rs. 53,115 was incurred on the erection of new lamps and repairs and maintenance of old ones. A sum of Rs. 43,680 was paid to the Bombay Port Trust for lighting and maintenance of lamps on roads and wharves in the dock areas. Thus the total cost on account of public lighting amounted to Rs. 9.87 lakhs against Rs. 10.54 lakhs in the previous year, exclusive of the contribution paid to the Bombay Port Trust. The restrictions on public lighting imposed by Government as A.R.P. measures continued to be in force during the year.

#### A. R. P. Works.

78. The works in connection with A.R.P. measures which were entrusted to the Municipality by Government were continued during the year.

79. Owing to the restrictions imposed on street lighting by Government, the kerbs and centre lines of certain roads in the City were painted, in order that the roads could be made more visible to vehicular traffic. This work was carried out at the entire cost of Government, which amounted to Rs. 2,50,402.

80. Arrangements were made to provide housing accommodation to the staff employed on the maintenance of essential services by requisitioning certain buildings in the City through the Collector of Bombay so that the staff could be available for work immediately in an emergency. 16 camps were opened at different places in the City and the rents for the buildings requisitioned for the purpose were shared equally by the Municipality and Government. The monthly rent amounted to Rs. 24,575.

#### Kurla-Deonar Railway Works.

81. The town refuse was, as usual, transported to Deonar in Railway wagons. The total strength of the Rolling stock of Municipal wagons was 181 and the cost of their maintenance, including railway sidings amounted to Rs. 63,225, as against Rs. 38,243 in the previous year. The increase in cost was partly due to the Railway Administration having increased the supervision charges and partly to higher cost of materials.

The work of unloading the wagons was carried out by departmental labour housed at Deonar and the cost of labour amounted to Rs. 80,084.

82. The reclaimed land at Deonar was let out for cultivation as usual, which, together with the right of fishing in the "Khajans", etc., fetched a sum of Rs. 32,122 against Rs. 33,336 in the preceding year.

### VII.—ESTATES AND LAND MANAGEMENT.

#### Scheme No. 72, Tripartite Road Improvement Scheme.

83. Possession of all the properties comprised in the Scheme has now been taken by the Municipality. The construction of the proposed Tripartite Road is in progress. The claimant in Case No. LAQ/33-1 being dissatisfied with the Land Acquisition Officer's award, has filed a reference in the High Court under Section 18 of the Land Acquisition Act. The reference will come up for hearing shortly.

*Scheme 73, Paltan Road Estate Improvement Scheme for Accommodating poorer and working classes.*—The construction of the third and the last block, which is the only work now remaining, will be taken in hand on the return of normal times.

*Scheme 74, Sion-Over-Bridge Improvement Scheme.*—Out of 3 properties in the Scheme, 2 have been acquired. Inquiries for determining the compensation to be allowed for the remaining property are still proceeding before the Land Acquisition Officer.

84. During the year under report, the following works in connection with the service of slum areas in the City were in progress :—

- (1) Covering about 55' in length of open drain and providing bridge over the channel near the Dadar Purification Works.
- (2) The work of closing the open storm water channel from Worli Road to Sluices. (The contract for this work has been terminated and the work is held in abeyance for want of materials due to War conditions).

The following schemes for the improvement of congested areas were prepared and approved by the Corporation :—

(1) Development of the area covered by Mangalwadi, Kelewadi and Gaiwadi. (*Vide* Corporation Resolution No. 227, dated the 22nd June 1942).

(2) Improvement of Lohar Chawl Lane, off Vanzawadi at Mahim (*Vide* Corporation Resolution 1032, dated the 11th February 1943).

In addition to the above schemes an interim report regarding the proposal to clear the slums in the City within a period of 10 years was prepared, mentioning therein the localities requiring immediate attention and suggesting different kinds of works for the improvement of the areas comprised therein together with their mode of construction. Owing to unsteady economic conditions in the City due to war, however, the proposal was recorded by the Corporation (*Vide* their Resolution No. 509, dated the 8th September 1942).

85. Out of the 4 old cases, mentioned below 3 cases having an area of 4,649 square yards still remain **Acquisition of Lands.** to be acquired.

(1) Revised terms of settlement of cases Nos. 538, 538A, Scheme 5, (Vithoba Temple at Matunga) having now been sanctioned by the Improvements Committee in modification of their Resolution No. 728, dated the 28th March 1939, the Municipal Solicitors, have been instructed to revise the draft agreement.

(2) Amicable settlement of another temple property bearing Case No. 374, Scheme 5, having been sanctioned by the Improvements Committee, the Municipal Legal Assistant has been entrusted with the preparation of the draft agreement. On completion thereof, the Legal Acquisition Officer will be requested to open his inquiry in this case.

(3) Case No. 7A, Scheme 58, is now complete, the award having been declared by the Land Acquisition Officer.

(4) Amicable settlement in respect of Case No. 232, Scheme 37, having been arrived at, the case is referred to the Land Acquisition Officer for award.

86. The area of the permanently leased Land increased during the year from 43 lakhs square yards to 46 lakhs square yards, and the rent in respect thereof increased from Rs. 36.1 lakhs to Rs. 37.8 lakhs. The area of developed land remaining to be leased was Rs. 6.5 lakhs square yards against 9.1 lakhs square yards in the preceding year. The area of undeveloped land was reduced from 61.2 lakhs square yards to 60.9 lakhs square yards. It will be seen that at the end of 1942-43, out of a total of about 2,879 acres vested in or acquired by the Trust, about 45 per cent., remained to be developed, and of the developed area, about 12 per cent., remained to be leased. The average value of the leased plots is Rs. 20 per square yard and that of plots which remain to be leased is estimated at Rs. 18 per square yard.

87. There were very few vacancies in the Chawls during the year under report. Members of the menial staff who are entitled to receive house rent allowance, continued to occupy rooms rent-free in lieu of house rent allowance. Their number was 481 on 31st March 1943. Railway Passes continued to be issued at Municipal cost to the members of the menial staff who, while occupying free quarters provided for them, were obliged to reside beyond one mile from their place of work.

During the year 64 acquired buildings containing 296 tenements were demolished.

The new residential accommodation made available in houses erected by the lessees of the Ex-Trust Estates during the year, excluding shops and other non-residential quarters, amounted to 341 tenements.

The total number of tenements provided upto date in all the Trust Estates including those erected by the Development Department and several Mills exceeds the total number of tenements demolished by 31,035.

88. The number of plots let during the year was 214 having a total area of 2,95,269 square yards (61 acres) and valued at Rs. 46,76,885. Deducting 2 plots which were resumed during the year the total number of plots disposed of upto the end of 1942-43 is 3,484 with an area of 46,21,136 square yards (955 acres) and valued at Rs. 9,02,42,557 having an annual rent of Rs. 37,80,327. The rate at which the ground rents are capitalised is at 22½ years' purchase for plots let before 23rd November 1920 and 18 years' purchase thereafter.

There were 720 acquired buildings in charge of the Bombay Municipality (Improvements) at the commencement of the year. One building was surrendered by the lessee who had built it on our plot and one was transferred to vacant land register during the year and 64 buildings were demolished. Thus at the end of the year there were 656 buildings containing 5,752 tenements.

89. The rents realised from acquired buildings in 1942-43 aggregated to Rs. 6,61,696 and the total temporary revenue realised during the year was Rs. 9,60,490, which compares favourably with the corresponding figures of the previous two years. The increase in revenue is due to large areas let to Government for military purposes.

The full letting value of the 10,289 rooms including shops, godowns, looms, etc., in the Ex-Trust Chawls was Rs. 9,59,305 as on 31st March 1943.

The gross demand of the Ex-Trust Chawl for the year was Rs. 9,60,245. The net demand for the year after excluding the amount of Rs. 28,615 for vacancies and Rs. 44,567 for concessionary rents was Rs. 8,87,063. The revenue actually collected came to Rs. 8,68,598 which is equivalent to 97.91 per cent., of the net demand for the year.

The gross demand for the year 1942-43 of the 2,836 rooms in the semi-permanent sheds including the permanent ground floor rooms and sheds known as Labour Camps was Rs. 1,61,615. The net demand for the year after excluding the amount of Rs. 3,823 for vacancies, and Rs. 4,382 for concessionary rents was Rs. 1,53,410. The amount actually collected came to Rs. 1,53,281 which is equivalent to 99.91 per cent., of the demand.

On the basis of the maximum annual rental of Rs. 9,59,305 of full letting value of the Chawls on 31st March 1943, the total outgoings come to 58.44 per cent., out of which 2.09 per cent., is due to vacancies, which means that the actual outgoings are 56.35 per cent.

The gross annual income from the Permanent Chawls came to Rs. 8,68,598 or 5.73 per cent. of the cost of Chawls *viz.*, Rs. 151.53 lakhs including value of the land (*vide* Appendix "C"). Deducting the outgoings of Rs. 5,07,608 the net income came to Rs. 3,60,970. The Corporation have to pay



interest & sinking fund charges at the rate of 4.61 per cent of the Capital expenditure prior to 1919/20 and at 6.35 per cent per annum of the Expenditure incurred subsequent thereto. This amounts to 8.88 lakhs per annum showing a loss of about 5.27 lakhs for the year and is equivalent to a loss of about 51.15 per room per annum.

The average population in the chawls during 1942-43 was 38,322 against 32,829 and 33,259 in 1940-41 and 1941-42 respectively, whilst the corresponding figures for semi-permanent sheds excluding the Labour Camps were 5,816; 4,457 and 4,365 respectively.

The death rate in the Ex-Trust Chawls during the year was 5 per 1,000 against 8.1 and 8.1 in the year 1940-41 and 1941-42 respectively.

90. In the year under review, 788 ejection and claim suits were filed against the tenants who had run into arrears and the total cost incurred in respect of these suits came to Rs. 7,590-15-0 out of which a sum of Rs. 6,835-9-9 was recovered leaving a balance of Rs. 755-5-3 which is likely to be recovered shortly.

**Legal Proceedings.** Schemes, Over-bridges, etc., of the Municipal Section.  
91. Scheme for revising the lay-out of Hornby Road to Ballard Pier Scheme.—Points of defence in the High Court Reference filed by the claimant in Case No. LAQ/1-6 are already drafted by the Land Acquisition and Management. Government Solicitors in consultation with the Consulting Surveyor to Government. The reference will be brought on the board of the High Court shortly.

**Acquisition of the Khardi Village, Gaothan (Thana District) for prevention of contamination of the Tansa Catchment Area.**—The Government of Bombay have been informed of the approval of the Corporation to the proposal to advance Rs. 35,000 to the District Local Board to be adjusted subsequently against compensation to be awarded by the Land Acquisition Officer for providing one tank and six wells for water supply in the new Gaothan, subject to certain conditions. The decision of Government in the matter is still awaited.

**Acquisition of land for the construction of additional Purification Works, Tulsi Pipe Line, Dadar.**—All the seven properties included in the Scheme are acquired.

A piece of the B. B. & C. I. Railway land admeasuring 525.11 square yards included in the Scheme has already been purchased under a conveyance which is now completed.

**Acquisition of land for the construction of 50' Road from Bhawani Shankar Road to Tulsi Pipe Line, off Sewage Purification Works, Dadar.**—All the three properties comprising the scheme have been acquired.

**Acquisition of land for the construction of quarters for the staff and Compressor's Station for the Sewage Purification Works, Dadar.**—All the 3 properties included in the scheme together with the strip of land belonging to the B. B. & C. I. Railway and Government have been acquired.

**Acquisition of land for the Sewage Scheme for the North of Bombay.**—The strip of land belonging to the B. B. & C. I. Railway included in the scheme has been purchased together with the 3 strips of land required for other schemes. Conveyance in respect of this land has also been completed.

**Acquisition of land for the proposed 40' and 50' Roads off Lady Jamshedji Road.**—The Government of Bombay have notified for acquisition under Section 4 of the Land Acquisition Act two properties included in the Scheme on 26th March 1943. Notification under Section 6 of the Act will be published after the inquiry by the Collector of Bombay under Section 5A is completed.

**Acquisition of properties of Maruti Street, bearing C.S. No. 851 and 867 of Fort Division in connection with the construction of the proposed extension of the 60' Road, Parsi Bazar Street.**—An application had been made to the Government of Bombay to issue orders for the acquisition of the two properties included in the scheme.

**Mahim Development Scheme.**—The Road is already constructed and is now open to traffic.

**Lease of Port Trust land to the Municipality adjoining Sewri Fire Brigade Station for a drilling ground for the station staff.**—The lease has now been completed.

**Lease of the Port Trust land to the Municipality at Mahim Causeway for Municipal Town Duty Office.**—The possession of the land has been taken over by the Municipality.

**Exchange of Government land at Mahim Causeway with Municipal land at Love Grove Road, Worli.**—The Government land at Mahim required for widening the road has been taken up in exchange for the lease of the Municipal land at Love Grove Road. The deeds of the exchange and the lease are nearing completion.

**Special Roads Scheme Hornby Road to Ballard Pier Scheme.**—The total rent recoverable from the Scheme during the year amounted to Rs. 10,110, the previous year's recovery being Rs. 11,348.

**Paltan Road Estate.**—The semi-permanent sheds in this estate are let to poor tenants. The total rent recoverable from this estate, during the year, amounted to Rs. 10,073, the previous year's realizations being Rs. 10,774.

92. No appreciable change could be effected in other schemes mentioned in the preceding year's report owing to abnormal conditions due to the war.

### VIII—WATER WORKS.

93. The total quantity of water supplied to the City and Suburbs during the year from various sources was 36,055 million gallons, of which 33,198 million gallons were supplied to the City from Tansa (90.94 million gallons per day), 1,896 million gallons from Vehar (11.56 million gallons per day) for 164 days, as the Vehar Lake was not adequately replenished during the monsoon and 961 million gallons were supplied to the Suburbs from Tulsi (3.13 million gallons per day) for 307 days, as the Tulsi main was being scraped for some days. Powai Lake remained unused throughout the year as before. The average supply per day was 98.78 million gallons, i.e., 2.94 million gallons per day less than in previous year. This amounted to 63.94 gallons per head per day for all purposes, i.e., 2.28 gallons per head per day less than the preceding year. The minimum and maximum supply per day amounted to 70.18 and 109.60 million gallons, respectively. The approximate quantity of water used for various purposes was 6.35 per cent. for Milk, 3.57 per cent. for Railways and Port Trust, 3.56 per cent. for the Suburbs, 61.20 per cent. for domestic supply, 14.77 per cent. for other purposes, such as Drainage and Sewerage works, Public Conveniences, Hospitals, Charitable Institutions, Milch Cattle and other Stables, Gymkhanas and Playgrounds, Race Course, Laundries, Hotels, Fire purposes, Road washing, Gully flushing, etc., and 10.56 per cent. for leaks and other unaccountable losses.

94. The rainfall at Tansa, Vehar and Tulsi was above the average of the preceding quinquennium, whereas at Powai the rainfall was below the average. The Tansa Lake overflowed for 57 days, Tulsi for 14 days and Powai for 76 days. Vehar Lake did not overflow during the year.

95. 197 miles of trunk mains of various sizes consisting of steel and cast iron mains and 27½ miles of masonry duct including 9 venturi meters, 151 hand-operated sluice valves, 9 hydraulically operated sluice valves, 52 pressure recorders and gauges, 35 burst alarms and 121 air valves were maintained during the year. 369 miles of distributary water mains of various sizes were also maintained within the City. There were two bursts (one on 48" Tansa main at Sion, and the other on 12" Cross connection between 57" East and West Tansa mains and 24" Tulsi main at Bandra), one heavy leak on 48" main near Chembur and 25 bursts on various water mains within the City.
- Trunk and Distributary mains.**
96. 118 miles of embankment including cuttings, carrying the pipe line and trolley track were maintained. Out of a total length of 81.5 miles of trolley track, only 65 miles were maintained for transport purposes for want of adequate funds.
- Embankment and Trolley Track.**
97. The entire supply from the Tansa Lake was chlorinated at the Chlorination Plants at Powai and Ghatkopar, while the Vehar supply was chlorinated at the Chlorination plant at Powai. The total cost of chlorination was Rs. 1,61,358, i.e., about Rs. 4-5-5 per million gallons. The policy of maintaining a certain residual dose of chlorine at Powai was continued. The Tulsi supply was treated with alum, ammonia and chlorine, a major portion of the cost of which was borne by Government as most of the supply is used for the Suburbs.
- Sterilization of Water supply.**
98. Fortnightly bacteriological and analytical tests of all the lake-waters before and after chlorination were carried out throughout the year. The standard of purity of water after sterilization maintained during the year, conformed to the standard laid down by the Ministry of Health in England.
- Bacteriological and Analytical water tests.**
99. For distribution purposes, the City is divided into three main Divisions (1) South and West; (2) East and (3) North which were supplied from the Malabar Hill Reservoir, Bhandarwada Hill Reservoir and directly from the trunk mains respectively. In all cases the supply was restricted for certain hours. The high level areas of Ridge Road, Gibbs Road, Altamont Road and Carmichael Road were supplied with water from the high level tank at Malabar Hill.
- Distribution of water in the City.**
100. The gardens along the slopes of Gibbs and Ridge Roads, the Sir Pherozshah Mehta Gardens at Malabar Hill, the Joseph Baptista Gardens at Bhandarwada Hill and six gardens outside the City were maintained during the year. All the gardens were open to the general public throughout the year.
- Gardens.**
101. 762 new connections were given during the year bringing the total number of water connection to different premises in the City to 51,222. 394 prosecutions were launched for infringement of the provisions of the Municipal Act and for violating Bye-laws relating to Water Works. 487 works, such as, giving connections, etc., to private parties were carried out at their cost amounting to Rs. 20,290.
- House connections within the City.**
102. 103 Drinking Fountains, 53 Cattle Troughs and 54 Stand pipes were open to the general public and maintained during the year.
- Fountains and Cattle troughs.**
103. 10,138 defects, 6,643 underground and 3,495 overground were detected and repaired during the year. The total length of water mains tested for leakage by Deacon meters and by sounding was 313 miles 4,646' and 104 miles and 4,963', respectively. The number of notices issued to the owners of private premises for defects in water fittings was 2,373.
- Defects in water mains and their testing.**
104. The Maintenance Branch Workshop carried out throughout the year repair and testing works, including repairs and upkeep of all plant and machinery, pertaining to the Water Department. 83,325 water works fittings were tested and Revenue derived therefrom amounted to Rs. 3,359. 3,010 meters of different sizes were in use and were maintained during the year. The number of meters replaced was 275 and those repaired was 470. The revenue from hire of meters was Rs. 79,481.
- Maintenance Branch Workshop.**
105. The staff appointed for detection of chokes in service pipes was continued during the year. 2,672 houses were inspected for detection of chokes and 694 water connections were cleaned.
- Chokes in service pipes.**
106. About 5 miles—2,341' of distributary mains of different sizes were laid out of the Loan Funds. Other works provided under the Loan Funds, such as, guniting the Tansa Dam and providing the trolley track along the toe of the Dam, providing concrete blocks under steel mains outside the City, cleaning of Vehar Lake, Guniting 57" mains in Sleater Road, providing an elevated tank at the Bhandarwada Hill Reservoir, etc., were carried out during the year under report. The total expenditure booked during the year amounted to Rs. 7,09,544.
- Loan works.**
- New works.** Works provided under "New Works" (Revenue) were carried out to the extent of Rs. 24,140.
107. The remaining work of the previous year's contract for treating the upstream face of the Tansa Dam with 2" thick reinforced gunite was completed during the year. A total area of 1,36,000 square feet was treated with gunite. The work of laying a new trolley along the toe of the dam was taken in hand and 5,000 r.ft. of track, 8,000 r.ft. of embankment and a bridge 120' long with 9 spans were completed.
- Repairs to the Tansa Dam.**
108. The special staff (3 Sub-Overseers and 3 peons) appointed for taking pitometer gaugings for improving the distribution system was continued during the year. Useful and interesting information was collected and the distribution system was regulated accordingly.
- Pitometer survey.**
109. The work of cleaning the Vehar Lake was continued and carried out during the year. Rank vegetation was removed from an area of about 32 million square feet and about 370 concrete pillars were fixed to demarcate the full supply level. The bed of the channel was lowered by about one foot to enable the water to be drawn from the lowest outlet to the fullest extent. Catch water channels which were heavily silted were also cleaned and their banks repaired where necessary.
- Cleaning the Vehar Lake.**
110. The result of the experiment of introducing gourami fish in the lake was found encouraging, as the bad smell at some places on the outskirts of the Lake on account of decay of algae has considerably diminished.
- Gourami fish in the Tulsi lake.**

111. The work of construction of an elevated tank at the Bhandarwada Hill Reservoir was continued but could not be finished due to the difficulties of getting materials, etc., 4 Bell mouths were fixed and the work of laying rising and outlet mains was continued during the year.

112. About 37 r.ft. of 57" steel mains at Sleater Road were treated with 2" thick reinforced gunite. The work was started late in the year.

113. The work of raising the mains could not be taken up during the year as all the materials indented during the previous year were not received. The work of providing 140 channels and 970 r.ft. welding patch plates was, however, completed.

114. Shop fabrication of 200' span of the old Kasheli Bridge No. 2 was completed. Various members of the framework were transported to the north bank of the creek and assembled. Field welding works were in progress during the year. Incidental works such as restoring the embankments, shifting the two 48" sluice valves, building a new sluice house and converting hydraulically operated sluice valves into hand operated ones were completed.

115. As an experimental measure, the Corporation sanctioned the scheme of providing concrete blocks to the extent of Rs. 1 lakh and accordingly a provision of Rs. 20,000 was made in the Budget. 44 concrete blocks were provided under 72" steel mains at Kasheli and 30 concrete blocks near Bandra Anchor Block under two 57" steel mains. The result is very encouraging.

116. The Corporation approved of the proposal of removing the embedded portion of two 48" Tansa and Kuria Bridge in one 32" Vehar mains and laying them over the existing piers of the Bridge. The work was taken up late in the year and about 95,000 cubic feet of earth work at the approaches of the bridge was carried out.

117. The Committee of Experts continued their work during the year. Preliminary surveys were carried out and other information required by the Committee was collected by a special staff appointed for the purpose. The report of the Committee will be submitted to the Corporation shortly.

118. In order to supply water to the Military Camps, 8" diam. Hume steel pipe line—15 miles long was laid between Andheri and Malad. The work including the survey was completed in about 3 months at the cost of the Government of India.

119. The Corporation sanctioned the proposal of encasing the existing piers in cement concrete and renewing the superstructure for the Tulsi pipe Bridge across the Bandra Creek. On account of certain objections from the Chief Engineer, B.B. & C.I. Railway, due to the close proximity of the Municipal Bridge with the Railway Bridge, the work could not be taken in hand.

120. During the year, 87 tanks were constructed and handed over to the Officer Commanding, Fire Static water tanks. Services, for maintenance. The total number of tanks constructed so far is 104.

121. In all 9 tube wells were sunk in various parts of the City. Each well was sunk to an average depth of about 100' with 10" diam. bore in soft strata which was reduced to 8" in hard strata. 17 yields tests were carried out and from the experiment, it appeared that only surface-contaminated sweet water could be tapped having a very limited yield of about 600 to 1,000 gallons per hour.

122. 1,190 closed wells were reopened during the year making a total of 1,390 wells in all. In those localities where there were no wells which could be opened, it was decided to excavate filled-in wells. During the year 109 wells were excavated. 10 Municipal wells situated in open spaces like maidans, etc., were provided with pumping arrangements and near them 5,000 gallons capacity R.C.C. tanks were constructed.

123. A water rationing scheme was prepared and forwarded to the Government of Bombay for their consideration.

124. The Corporation and the Government sanctioned the proposal of making 9 cross-connections. The works at two places were completed and at other two places were in progress.

125. 17 Vital structures were protected.

126. 150 persons in the City were housed for emergency purposes by acquiring private buildings. In the outside City Division, 13 units of quarters were constructed for the same purpose.

127. The total expenditure on Water Works amounted to Rs. 68,12,344 while the revenue derived was Rs. 92,39,065 leaving a net surplus of Rs. 24,26,721.

#### IX.—FIRE BRIGADE.

128. The number of Fire Brigade Stations continued to be 10, and 14 stations were opened to house the personnel of the Auxiliary Fire Service. The construction of a new Fire Station at Memonwada, sanctioned in the Loan Works Budget for 1942-43, has been taken in hand. No new fire appliances were purchased during the year.

129. The aggregate number of calls answered by the Fire Brigade during the year was 717 as against 648 during the previous year. The estimated loss of property on account of fires amounted to Rs. 25,12,167 showing a decrease of Rs. 24,21,188 on the figure of the previous year, and Rs. 97,496 below the average of the last three years. Of the year's loss, Rs. 20,41,149 represented insured property, whilst the total property at risk was valued at approximately Rs. 5,96,51,257. The total distance run by the fire appliances in attending fires was 7,238 miles as against 3,545 miles in the preceding year.

130. The number of fire Alarm posts in use in the City including private alarms was 196. Sixty per cent. of the calls were given through this system as against fifty-nine per cent. in the preceding year.
- Number of Fire Alarms.**
131. The full time paid staff of the Auxiliary Fire Service referred to in the Administration Report of the preceding year was increased by Government to 1,266 officers and other ranks, with 175 trailer fire pumps and 58 towing vehicles during the year.
- Auxiliary Fire Service.**
132. The number of ambulances in charge of the Brigade continued to be six. These ambulances attended 1,251 accident calls, 845 maternity calls and 2,170 hire calls for private purposes, as against 975, 935 and 1,840 respectively during the previous year. They conveyed 4,511 persons and covered a distance of 31,363 miles against 3,800 persons and 28,128 miles in the previous year. The hire fees amounted to Rs. 11,284 as against Rs. 9,889 in the previous year. First Aid to the injured persons was rendered by the Ambulance staff on 375 occasions, as against 243 during the last year.
- Ambulances.**

#### X.—PUBLIC GARDENS.

133. 16 Gardens, 51 Recreation Grounds and Open Spaces, 3 Fountains, 2 Bandstands and the Queen's Gardens & Playgrounds Statue opposite the old Improvement Trust Building were maintained during the year. Directed games at Mustanshah Tank, Gilder Tank and Willingdon Memorial Playgrounds under the supervision of the Bombay Young Men's Christian Association and at the Playground at 2nd Peerkhan Street at Nagpada under the supervision of the Nagpada Neighbourhood House continued to be as popular as before. There is a great necessity of providing more play centres like these but proposals for their establishment will have to be deferred until the return of normal times.
134. The total number of Band performances and Indian music concerts given during the year was 45 and 31 as against 24 and 22 respectively during the preceding year. As a means of popular entertainment, Radiogram music performances proved successful as in the past. 169 performances of this type, as against 170 in the preceding year were given during the year at different places. The audience at the Sir Phirozshah Mehta Gardens and Chowpatty Bandstand was generally poor except towards the fag end of the performance for about half an hour. Late performances could not be arranged at these places due to the A. R. P. restrictions and further performances had to be stopped for the rest of the year.
- Band & Music Performances.**
135. The number of visitors to the Victoria Gardens and the Zoo during the year was 22,50,106 and the daily average number of visitors was 6,164 as against 24,34,657 and 6,670 respectively in the previous year. The reduction in the number of visitors was mainly due to the exodus of a large number of persons owing to the war scare during the summer of 1942. Only a few of the necessary major and minor repairs were carried out. Many works, though important, had to be abandoned owing to the nonavailability of materials on account of war conditions.
- Victoria Gardens & the Zoo.**

#### XI.—VICTORIA AND ALBERT MUSEUM.

136. The Museum was kept open for 230 days during the year against 302 days in 1942-43 and the total Attendance at the number of visitors was 9,61,978 and daily average attendance 4,182 against 14,03,727 Museum. and 4,648 in the preceding year. The decrease in number was due to the Museum being closed to the Public for several days for repairs.
137. Several additions were made to the collections during the year, amongst which the following may be specially mentioned :—
- Seven metal images of Indian Gods and Goddesses, a pair of brass lamp-stands and a pair of peacocks made of horns.
138. The Model Village exhibit was completed during the course of the year and it has proved to be of great popular appeal.
139. The coin cabinet was further enriched by the purchase of the following coins :—
- 40 silver Mughal coins, 3 silver Gujrath Sultans, 1 silver Kabul, 2 copper of Post-Mughal States and East India Company, and 3 silver medals of 3 British Emperors.
140. The number of pupils of Primary and Secondary Schools who visited the Museum during the year was 4,277 against 10,918 in the preceding year. The fall was due to the Museum being closed for repairs.
- General.**

#### XII.—GENERAL STORES.

141. Tenders were invited during the course of the year for the purchase of stores, etc., in 136 cases as against 137 in the preceding year.
142. Total purchases effected during the year including articles received on Return Stores Memo. from the various Municipal Departments amounted to Rs. 13.78 lakhs as against Rs. 15.24 lakhs during the preceding year. The decrease is due to the purchase of stores being restricted on account of their scarcity and difficulty of obtaining them. The balance of stock in hand stood at Rs. 7.71 lakhs against Rs. 6.42 lakhs of the preceding year. The increase of 1.29 lakhs is due to the increase in stock in hand of cast iron pipes, castings and other materials of general demand.
143. The number of orders placed with the contractors and other dealers was 4,766 as against 7,440 in the preceding year. The number of indents inclusive of sale memo received from the departments came to 20,590 against 23,852 of the preceding year. Most of the articles purchased during the year were of Indian manufacture and the value thereof amounted to Rs. 11.78 lakhs. The value of foreign goods amounted to Rs. 2 lakhs.
144. The abnormal conditions created by the war reflected very sharply on the Department. The annual tenders for the year 1943-44 invited in the months of December 1942 and January and February 1943 carried rates considerably higher than the market rates. Therefore with a view to reducing the expenditure

likely to be entailed during the year 1943-44 on account of high rates quoted by tenderers, several items of stores of general consumption were either ordered out in full from the contractors for the year 1942-43 or purchased from the market by inviting quotations on the basis of payment against delivery with the result that sufficient stocks remained on hand and it became possible to reject tenders for the year 1943-44 in which very high prices had been quoted.

145. During the year no dust bins were sold to house owners on account of the difficulty of obtaining them.

146. The turnover of the Department, *viz.*, receipts and issues of stores came to Rs. 26.31 lakhs against 29.09 lakhs of the preceding year. On the turnover, the establishment charges of the department worked out at about 2.99 per cent. against 2.5 per cent. of the preceding year.

147. The stock of stores on hand was verified but no appreciable difference in stock was noticed.

148. The designation of the Chief Storekeeper was changed to that of the Controller of Stores so as to bring it in conformity with the designation of similar posts under Government and other public bodies.

149. As considerable difficulty was experienced by Municipal employees in obtaining supplies of food grains, 8 grain shops were opened for them during the year. The working of these shops was very satisfactory and great relief was afforded to a large number of employees by the facilities provided at these shops.

### XIII.—LICENCES, SHOPS AND ESTABLISHMENTS.

150. The total number of permits and licences issued under Section 390, 393, 394 and 412A, (*viz.*, for factories, work-shops, steam whistles, storing inflammable materials or carrying on dangerous trades and keeping milk products) was 22,299 and the fees realised therefrom amounted to Rs. 2.29 lakhs, against 24,227 and Rs. 2.26 lakhs respectively in the preceding year. The number of licences issued for the trade of farriers was 96, against 70 in the previous year. 76 farriers were prosecuted for carrying on the trade without a licence, of whom 37 were convicted and fined.

151. Licence fees outstanding at the close of the year amounted to Rs. 481 as against Rs. 256 in the previous year.

152. The total number of permits issued for exhibiting advertisements was 2,356 and the fees realised therefrom amounted to Rs. 1.19 lakhs.

153. The total number of hawker and squatter licences issued during the year was 35,045 and the fees realised therefrom amounted to Rs. 1.38 lakhs against 37,407 and Rs. 1.48 lakhs respectively in the previous year. The removal charges recovered under Section 490 amounted to Rs. 25,396 against Rs. 22,808 recovered in the previous year.

154. The number of prosecutions for infringement of Municipal law or licence conditions was 3,251 against 3,270 in the preceding year. There were in addition 474 outstanding cases from the preceding year. Out of the total number of 3,725 cases, 3,152 were withdrawn (2,954 on payment of licence fees, and the remaining for other justifiable reasons), 239 resulted in conviction, 5 in acquittal, and 329 remained to be disposed of at the end of the year.

155. During the year the staff of this Section was augmented by the addition of one Senior Inspector, two Junior Inspectors, one clerk and three peons.

156. During the year 385 fresh complaints were received in connection with the Shops and Establishments Act and the Rules framed thereunder, in addition to 147 that had remained uninvestigated at the close of the preceding year. In all, 520 complaints were investigated and action taken thereon wherever necessary. The total number of mass raids carried out during the year was 111. The number of visits and re-visits paid to different establishments was 37,883.

157. Of the prosecutions launched in the previous year, 171 were not disposed of, and upto the close of the year under report 3,146 new prosecutions were launched. Out of the 3,317 cases during the period under report, 3,098 were disposed of—3,000 resulting in conviction, 86 were withdrawn, and 12 were acquitted. The total amount of fines inflicted was Rs. 43,160.

158. It is gratifying to note that there is greater realization among the employers as well as the employed of the benefits of the Act, and it can be safely said that the Act has proved a boon to employees.

### XIV.—MARKETS.

159. The revenue from Markets and Slaughter Houses was Rs. 15.32 lakhs against Rs. 13.80 lakhs during the preceding year, showing an increase of Rs. 1.52 lakhs, which was due to the increase in stall rents, and slaughter fees.

160. The number of Municipal Markets in the beginning of the year was 17 including new Market at Worli which was opened on 1st April 1943. The net receipts from these markets amounted to Rs. 3.95 lakhs against Rs. 3.57 lakhs during the preceding year, thus showing an increase of Rs. 0.38 lakh. The average percentage of stalls vacant per quarter was 21.92 against 25.68 and 24.77 and 26.76 during the preceding three years. Receipts from market rights, scale fees and encroachment fees amounted to Rs. 2.43 lakhs against 2.28 lakhs in the preceding year.

161. The number of private markets during the year was 23 against 24 in the previous year, two private markets *viz.*, one at Worli and the other at the Lalwady having been closed and a new private market at Chhakatyachi Wadi, Tardeo, having been opened. The licence fee in respect of the Byculla Vegetable Market and the Open Air Market at Dwarkadas Mansion, Sandhurst Road has been kept in deposit and the question of revising the licence fee of 'Fancy Private Market' at Morland Road, Byculla is under consideration. The amount of licence fees realised in respect of the remaining 20 markets and the two Slaughter Houses was Rs. 22,793 against Rs. 32,060 in the previous year. A sum of Rs. 821-15-0 was also recovered as licence fees from certain firms dealing in imported meat and foreign fish. Licence fees amounting to Rs. 1,040 were recovered from butchers

having stalls in private markets. The number of outside meat shops was 186 against 181 in the previous year and the fees realised in respect of 182 shops were Rs. 8,874-0-0 against Rs. 8,832-6-0 in the previous year, the licence fee for four of them having been kept in deposit account.

162. Unwholesome articles such as meat, fish, fruit etc., including contraband meat destroyed during the year weighed 7,04,539 lbs. Of this, contraband meat seized and destroyed was 43,270 lbs. against 15,848 lbs. in the preceding year, showing an increase of 27,422 lbs. In all, 398 seizures were effected and prosecutions instituted with the result that 369 persons were convicted and fined.

163. The number of animals slaughtered at the Municipal Slaughter Houses at Bandra was 11,01,23 against 9,46,486 in the previous year. Of these, 1,08,501 were cows and bullocks, 12,114 buffaloes and 9,80,621 sheep and goats. The number of pigs and piglings slaughtered at the Arthur Road Pig Slaughter House was 16,133 against 9,818 in the preceding year. The amount of fair fees received at the Bandra Slaughter Houses was Rs. 1.50 lakhs against Rs. 1.40 lakhs in the preceding year. The fees recovered from the Kurla Municipality under the agreement to import buffalo meat into Bombay was Rs. 0.84 lakh against Rs. 0.60 lakh in the preceding year. The Slaughter and removal fees realised at the Bandra Slaughter Houses together with the slaughter fees at the DeLisle Road Sheep Market amounted to Rs. 5.57 lakhs against Rs. 4.83 lakhs in the preceding year. Other miscellaneous receipts amounted to Rs. 1.20 lakhs against Rs. 1.11 lakhs in the previous year.

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

164. The 432 beds at the Hospital were generally always occupied during the year under K. E. M. Hospital. report.

165. The total number of in-patients admitted during the year was 12,782 as against 13,135 and 12,575 during the years 1941 and 1940, respectively.

166. Owing to the difficulty of securing building materials due to war, the programme of Hospital Extension of the extension had to be held up.

167. On an average 1,200 out-patients attended the out-patient department of the Hospital daily during the year. As regards in-patients there were often 25 to 30 extra patients over the scheduled number in the Hospital, the maximum number of in-patients on a single day being 520.

168. Out of the total number of 13,232 in-patients (including previous year's balance of 450), 4,569 were cured, 5,412 were discharged as relieved, 1,619 either left the Hospital against medical advice or were otherwise discharged and 1,151 died, leaving a balance of 481 patients at the end of the year.

169. It may be mentioned that the highest number of out-patient attendance on any one day during the year was 1,760, and the highest number of new admissions in the outdoor department on a single day was 445. Likewise, the highest number on a single day of old cases treated was 1,390, of casualty cases 136, and in-patients admitted 87. The total number of operations performed on in-patients and out-patients was 5,341 and 11,065, respectively.

170. The total expenditure incurred on the maintenance of the Hospital during the year 1942-43 including liabilities outstanding at the end of the year and exclusive of cost on the extension scheme amounts approximately to Rs. 7,21,760.

171. The average cost per in-patient per day and per out-patient attendance during the year was Rs. 3-4-8 and Rs. 0-7-2, respectively.

172. The total number of motor accident cases admitted and treated as in-patients during the years was 179, the number treated in the casualty department being 442, the corresponding figures for 1940 and 1941 being 172 and 215 in-patients and 641 and 598 treated in the casualty department.

173. The total number of mill accident cases admitted as indoor patients on account of severity of injuries was 163, the number of those treated in the casualty department being 3,236, the corresponding figures for the preceding year being 153 and 3,145, respectively. It will be noticed that the number of mill accident cases is on the increase probably due to the continuance of the double shift in the mills.

174. 237 cases were treated in the Hospital for poisoning and 93 for bites during the year.

175. The treatment of school children attending the various Municipal primary schools was continued during the year. 1,506 new children were treated in different departments of the Hospital in addition to a large number of children, who had begun their treatment in the previous year. The total number of children treated in the year was 7,856 as against 7,774 treated in the previous year. The total cost of the clinic at the K. E. M. Hospital amounted to Rs. 8,919-13-0.

176. The Poor Box Charity Fund which was started in 1926 and from which relief is rendered to poor patients by providing them with spectacles, crutches, trusses, etc., received steady support from the public as also from the patients of the Hospital. Besides relief in the shape of blood transfusion, costly drugs and medicines, appliances such as spectacles, crutches, artificial legs, etc., were provided to 130 patients at a total cost of Rs. 1,647-9-0. Blood transfusion to 149 cases was provided during the year with the help of donors to whom payment was made from this Fund.

177. The proposal to create a Trust of this Fund which now amounts to over Rs. 1,40,000 with a view to utilising the same for the construction and maintenance of a Convalescent Home for the patients discharged from this Hospital is still under the consideration of the Corporation.

#### Seth G. S. Medical College.

178. During the year 82 fresh admissions were made in June 1942. 79 of these students were single. 1 married and 2 betrothed.

179. The number of undergraduate students on the College roll at the close of the year was 470 which included 85 lady students and that of post-graduate and research students was 74.

180. The results of the various University examinations for which students were sent up by the College were satisfactory.

181. The total expenditure on the College, including liabilities as well as expenditure on the Hostels **Annual cost and revenue.** for male and female students came to Rs. 2,75,120 during the year as against Rs. 2,74,018 in 1941-42. The revenue of the College in the form of tuition fees, hostel rent and miscellaneous receipts amounted to Rs. 1,25,739 as against Rs. 1,18,751 in 1941-42. The gross cost per student for the year under report came to Rs. 585.4 while the net cost works out at Rs. 317.8 as compared with the corresponding figures of Rs. 621.3 and Rs. 352.1, respectively for the preceding year. The amount of fees received from the post-graduate students was Rs. 3,405.

182. During the year 345 new books were added to the College Library, as against 241 in the preceding **Library and Museum.** year. Of these 6 books were presented to the Library by their authors as complimentary copies. The number of books issued to medical students was 13,694 as against 14,031 in the preceding year. 3,561 books and journals were issued to members of the teaching staff of the College and Resident Medical Officers of the K. E. M. Hospital.

183. 67 new wet and dry specimens were added to the Anatomy Museum during the year and 83 old specimens were renewed. The total number of specimens in the Anatomy and Comparative Anatomy section is now over 1,650.

184. 78 new specimens were added to the Pathology Museum, 299 old specimens were remounted during the year, thus bringing the total specimens in the Pathology section of the Museum to over 1,430.6 X-Ray diapositives have been added to the Museum bringing the total to 144 at the end of the year.

185. In the Artist department 233 photographs of patients, specimens, etc., were taken during the year 1942.

186. The total number of students residing in the Hostels for male and female students was 146 and **Students' Hostels.** 28, respectively during the year, the number being the same as in the previous year. The total expenditure incurred on both these hostels (exclusive of non-recurring expenditure) was Rs. 9,701 while the income derived in the form of rent was Rs. 18,243.

187. The College Gymkhana took part in Inter-collegiate tournaments during the year. **Gymkhana.**

188. The different departments of the College and Hospital undertook, in addition to their normal **Research.** teaching and other work, various investigations and researches during the year under report.

189. Special classes for D.O. and D.O.M.S. were held during the year as in previous years.

190. The Co-operative Credit Society of the labour staff of the College and Hospital worked satisfactorily **Co-operative Credit Society, Ltd.** and continued to be in 'A' Class. The Share Capital of the Society, which was Rs. 15,496 on 31st March 1942 stood at Rs. 13,472-8-0 by the end of March 1943 having a total number of 238 members. The Society is now financially independent of outside assistance.

## XVI.—EDUCATION.

### (Schools Committee's Department).

191. **Schools Committee's Meetings.**—The Committee held in all 61 meetings during the year, the number of meetings of all the various Sub-Committees held being 24.

192. The total number of Municipal Schools on 31st March 1943 was 383 schools plus 30 Classes, as **Municipal Schools and Pupils.** against 396 Schools plus 26 Classes on 31st March 1942.

193. The year under report witnessed a decrease in the number of pupils in Municipal Schools from 86,113 to 75,993, i.e., a decrease of 10,120 pupils. This was mostly due to the conditions created by the War, as a result of which a large number of families with children of school-going age began to shift to interior places since the beginning of the year 1942 and the tendency to shift continued, although on a gradually decreasing scale, throughout the official year 1942-43.

194. The number of teachers (permanent and non-permanent) on 31st March 1943 was 2,615. Out **Teachers in Municipal Schools.** of these, 108 teachers were maintained as a separate staff for working in ordinary leave vacancies and 490 teachers for working in place of teachers studying at Training Colleges.

195. The total number of Aided Schools was 199 and the number of pupils therein rose from 27,347 **Aided Schools and Pupils.** to 31,338, during the year under report, owing to the addition of English-teaching Schools to the list of Aided Schools. The recognised but unaided Schools on the list rose from 13 to 19, with 2,188 pupils in them on 31st March 1943, mostly due to the addition of some of the English-teaching Schools.

196. The total number of teachers in Aided Schools at the end of the year was 1,561, as against 1,549 in the previous year. In the recognised unaided schools, the number of teachers at the end of the year was 139, as against 88 at the end of the previous year.

197. The total amount of grants paid during the year was Rs. 2,16,459, as against Rs. 1,89,856, in the previous year. It may be mentioned that during the year a cut of only 4 per cent. was applied to the grants assessable to the Aided Schools, under the rules, while in the previous year, the cut applied was 12.5 per cent.

198. The total expenditure incurred by the Aided Schools, as shown by them, amounted to Rs. 13,56,606.

199. The average number of pupils on rolls in Aided Schools during the year was 27,657, and on the basis of this number the cost per pupil in these schools works out to Rs. 49.1 as against Rs. 38.7 in the previous year.

200. The number of pupils studying in Municipal Central Schools, i.e., schools wherein provision has been made for the teaching of Vocational subjects, such as, Carpentry, Tailoring, Sign-board Painting, etc., was 630.

201. On 31st March 1942, the number of children of compulsory school-going age attending schools was 89,820. On 31st March 1943, the number of children of Compulsory age, attending **Free and Compulsory Education.** schools was 80,227. As the annual Census of non-attending children was not taken during the year owing to the shifting of the population, it is not possible to give the accurate number of non-attending children.

202. The year under report opened with a balance of Rs. 20,000 and the total amount placed at the disposal of the Schools Committee during the year was Rs. 42,04,152. **Income and Expenditure.**

203. The total expenditure for the year (excluding the expenditure on the Schools Committee's Head Office, which is met from the General Municipal Fund and which was Rs. 67,389) amounted to Rs 41,84,152, leaving a closing balance of Rs. 20,000.

204. The staff of the Schools Committee's Head Office consists mainly of the Secretarial, Accounts, Records and Correspondence Branches of the Department.

205. The total amount of grant paid by Government to the Municipality during the year for primary **Government Grant to Primary Education.** education amounted to Rs. 9,45,000.

206. The average cost per pupil in Municipal Schools calculated on the number of pupils on the rolls on the last day of the year was Rs. 52, the figure for the previous year being Rs. 45.3. **Average cost per Pupil.** Calculated on the average number of children on rolls, the figure works out to Rs. 54.4 as against Rs. 36.2 of the previous year. If the expenditure on the Committee's Head Office is also taken into account, the corresponding figures for the year under report calculated on the number of pupils on the rolls on the last day of the year and on the average number of children on the rolls throughout the year will be Rs. 52.8 and Rs. 55.3 respectively. The increase in the cost per pupil is due to the fall in the number of pupils in the course of the year and also to increased expenditure under certain heads such as Training Institutions. Although the number of pupils remained at a low figure throughout the year, the staff of teachers and menials-retained in service after the heavy fall in the number of pupils during the previous year-could not be sent away, as they were all permanent employees.

207. The number of troops and packs at the end of the year was 64 and 102, respectively and that of **Boy Scouts.** Scouts and Cubs was, 1,751 and 2,881, respectively. The Taikalwady Welfare Centre maintained by the Municipal Boy Scouts Association out of the grant of Rs. 900 sanctioned by the Standing Committee, carried on its usual activities, such as games, classes in lathi, lezim, gymnastics, etc.

208. The total number of Girl Scouts and Bulbuls at the end of the year was 3,192, out of whom 1,017, **Girl Scouts.** were Girl Scouts and the rest were Bulbuls. The number of Girl Scout Companies was 45 and that of Bulbul Flocks was 102.

209. With effect from 1st March 1943, the control of all the Free Reading Rooms and Libraries except the Municipal Teachers' Library was taken over by the Municipal Commissioner from the Schools Committee as decided by the Corporation. (*Vide* their Resolution No. 934, dated the 7th January 1943). **Free Reading Rooms and Libraries.**

210. The Municipal Chief Auditor's Staff has been carrying out a regular and detailed audit of the **Audit of Accounts.** Schools Committee's Accounts and the suggestions made by them were carried out by the Committee as far as possible.

211. Mention ought to be made here of the work done by the Committee's Seven Ward Local Committees and the business transacted by the Committee's Employees' Co-operative **Miscellaneous.** Credit Society Ltd.

212. The Committee also organised an A. R. P. Exhibition intended to give information and education to the Visitors in the methods of protection during Air Raids and other cognate matters.

#### XVII.—PUBLIC HEALTH.

213. The general conditions of public health of the City was satisfactory during the year. The number of births registered during the year was more by 6,359 than the number of deaths that **Births.** took place in the City. The excess of births over deaths was equivalent to 4.6 per 1 000 population calculated on the census of 1941. The number of births registered during the year was 31,536 being 8,418 less than in 1941 and 4,733 less than the average of the last 10 years (1932-41). The birth-rate calculated on the census of 1941 was 21.2 per thousand population as against 26.8 for the year 1941. Sex proportion in the births was 105 males to 100 females. The birth-rate 68.0 amongst Buddhists was the highest, the next highest birth rate being 47.6 among Hindus Scheduled Classes while 14.3 amongst Parsees was the lowest. The fall in the number of births registered during the year was due to voluntary evacuation of the City by a large section of the population owing to the scare of threatened enemy action from the beginning of March to about the end of September.

214. The total number of deaths during the year was 25,177 being 5,919 less than in 1941 and 6,319 less than the average for the last five years (1937-41) and 4,233 less than the average for the **Deaths.** last ten years (1932-41). The death-rate per 1,000 population according to the census of 1941 was 16.9 as against 29.0 in the previous year. There was no death either from plague or cholera and the number of deaths from small-pox, influenza, diseases of the respiratory system and tuberculosis was in each instance less than that during the previous year or during the decennium. The ratio of deaths amongst males to that amongst females was 15 to 20 as against 18 to 26 in 1941. Out of the total number of deaths 39.7 per cent. were of children under 5 years as against 43.4 during 1941. The death-rate 39.47 amongst Buddhists was the highest, the next highest being 36.46 among Hindus Scheduled Classes and 11.48 amongst Anglo-Indians the lowest during the year as against 36.5 amongst Scheduled Classes and 9.6 amongst Europeans, the highest and lowest respectively during the year 1941. The lower death-rates for the year 1942, are like the lower rates for births, partly due to evacuation of the city by a large section of the population.



215. Mortality among infants (under one year of age) during the year was 6,164 against 8,445 and the rate per 1,000 births 195.4 against 211.4 in 1941. Of the infants who died in the City, **Infant Mortality.** 4,626 or 75.05 per cent. were born in the City and 1,538 or 24.95 per cent. in the mofussil. If the number of deaths of infants born outside Bombay is excluded from the total number of deaths among infants, the rate of infant mortality per 1,000 births would be 146.7 instead of 195.4 as stated above. 4,860 or nearly 78.8 per cent. of the total number of deaths among infants were due to diseases of the respiratory system, infantile debility and premature birth, against 6,506 deaths or 77 per cent. in the previous year. There were 373 deaths due to diarrhoea, 53 due to malaria, ague and remittant fever, 227 due to convulsions, 107 due to small-pox and 47 due to measles. It is noteworthy that the neonatal death-rate (deaths among infants under one month) which is more difficult to be controlled than the infant death-rate has gradually come down since 1938.

216. The usual Maternity and Child Welfare work done at the clinics at the five maternity homes since 1939 was continued during the year 1942. This work comprises ante-natal, natal, post natal, infant and pre-school care at home and at clinics. The clinics are held for 2 **Prevention of Infant Mortality.** days in a week for each group. They are conducted by the Medical Officers in charge of the maternity homes who are helped by the Health Visitors attached to them. The Health Visitors are required to visit expectant mothers or mothers and children attending the clinics at their homes to see if they follow the advice given to them, to go in search of expectant mothers and to advise and persuade them to attend the Clinics and to avail themselves of the Municipal maternity homes or other hospitals in the City for confinement and to conduct maternity cases at homes of those who do not avail themselves of these facilities. Throughout the work the main objectives kept in mind are medical supervision and health education. Attempts are made to lay greater emphasis on the education of the mothers with regard to their own care during pregnancy and that of their children after they are born.

217. The Health Visitors paid 52,058 visits and attended 288 confinements at home. The Medical Officers in charge of Maternity Homes paid personal visits in 3,642 cases. Relief to poor women during confinement was given in 95 cases. The total number of confinements in the 5 maternity homes with an accommodation of 142 beds was 4,990 as against 5,872 in the preceding year. Out of the total number of births 75.8 per cent. took place in the maternity institutions as against 81.6 per cent. during the previous year.

218. The total number of cases of infectious diseases reported during the year was 4,808 as against 5,872 during the previous year. Small-pox, enteric and tuberculosis caused 591, 375 and **Infectious Diseases.** 1,581 deaths as against 1,293, 554 and 1,692 respectively during the preceding year. It is gratifying to note that the incidence of small-pox which was prevalent in an epidemic form from 8th March 1942 could be controlled effectively on account of the system adopted for combing out concealed cases from their homes and their removal to the Arthur Road infectious diseases hospital. The combing out operations were very successful with the result that small-pox ceased to be in an epidemic form from 18th April 1942 and there were hardly any cases reported during the subsequent months. The concealed cases having been removed to the hospital received proper care and resulted in saving many lives. As compared with the previous 10 years in which small-pox was in an epidemic form the death-rate from small-pox was the lowest. The fatality rate was also the lowest and the duration of the epidemic, shortest during the year.

219. The wells opened and newly sunk in connection with the emergency water supply and the static tanks constructed as an A. R. P. measure had to be dealt with so as to prevent mosquito breeding therein. For this purpose additional staff was appointed the cost of which was shared by Government and the Municipality. **Malaria.**

220. Malaria was registered as the cause of 109 deaths against 88 in the preceding year. The total number of cases of malaria treated at the Municipal dispensaries and public hospitals was 2,215 and 19,583 against 1,698 and 18,282 respectively in the preceding year.

221. The total attendance and the daily average attendance at the Clinic at Bellasis Road for treatment of cases of venereal diseases were 1,22,294 and 479.2 against 1,05,563 and 391.4 in the preceding year. **Venereal Diseases.**

222. Free medical relief to out-patients was rendered at the 19 Municipal dispensaries (including the 3 new dispensaries opened during the year, (i) Sewri-Mulji Bhuwan, Sewri New Road; **Free Medical Relief.** (ii) Ambewady new chawl, Ambewady, Parel Tank Road and (iii) Fergusson Road 160-160-A, New DeLisle Road). The number of new cases and total attendance during the year at these dispensaries were 1,68,960 and 5,75,811 against 1,98,350 and 6,52,189 respectively in the previous year.

223. The free dispensary for the treatment of eye diseases at Kamathipura has an ophthalmic hospital attached to it. 6,242 new cases suffering from eye and ear diseases were treated at the dispensary during the year against 6,464 treated in the preceding year. The number of in-patients treated at the hospital during the year was 93. The total attendance of patients (including repetitions) treated at the dispensary and the hospital during the year under report was 27,847 (1,379 in-patients and 26,468 out-patients) against 21,583 during the previous year.

224. During the year, roads, footpaths and house-gullies were cleaned regularly. The area conserved daily was 268.04 miles of roads, 236.67 miles of foot-paths and 104 miles of house-gullies. The total refuse collected and removed through the municipal agency was 4,75,436 tons. This together with the refuse received through outside agency amounted to 5,58,964 tons against 5,33,210 tons in the preceding year. Of these 3,96,268 tons were transported by rail to Deonar, 1,30,312 tons were used for reclamation in the City and 7,480 tons were burnt in the incinerators and 25,904 tons (stable refuse) were dumped in the manure pits. **Conservancy.**

225. The total number of rats collected and destroyed during the year was 6,26,756 against 6,55,312 in the preceding year. **Rat Destruction.**

226. 53 baskets privies were converted into water-closets on full flushing system during the year. The number of basket privies that remained to be converted in sewered areas was 288 and in unsewered areas 702. **Conversion of Basket Privies Into W. C.s.**

227. The total number of dog-bites treated at the Haffkine Institute was 1,827 against 3,404 in the preceding year. **Dog Bites.**

228. The number of prosecutions instituted by the Health Department under the Municipal Act during the year was 4,111, while the number of cases outstanding at the beginning of the year was 840. Of the total number of 4,951 cases, 3,963 were disposed of during the year. 4,005 complaints were filed during the year under the Bombay Prevention of Adulteration Act while 537 complaints under the same Act were outstanding at the beginning of the year under report. Out of the total number of 4,542 complaints 3,478 were disposed of and the total amount of fines inflicted was Rs. 1,03,233-7-0 against Rs. 0.93 lakhs in the preceding year.

**Prosecutions.**

229. Out of the total number of 587 Municipal Schools visited by the inspectorial staff, 386 were boys' and 201 girls' schools, the number of children examined being 22,945. Out of the total number of children examined, 29.5 per cent. were found to be suffering from dental diseases, 27.8 per cent. from general debility or malnutrition, 23.5 per cent. from diseases of throat, 15.7 per cent. from diseases of enlarged lymphatic glands and a small percentage each from defective vision, diseases of eyes, nose, ear, lungs, heart and circulation, skin and enlarged spleen. 425 schools were supplied with emergency outfits and 55 spectacles were given to poor children. Many of the present Municipal hired school buildings are far from satisfactory from the sanitary point of view and it is, therefore necessary that these schools should be accommodated in buildings specially designed and built for the purpose. The only school clinic at the K. E. M. Hospital is inadequate to deal with the number of children requiring treatment and provision of additional facilities on the lines of this clinic would be very helpful.

**School Health Work.**

230. Social welfare work among the municipal labour staff at the ten centres was conducted by the special branch of Welfare Service organised for the purpose under the Public Health Department.

**Welfare Work.**

231. In accordance with the scheme approved by the Corporation (*vide* their Resolution No. 208, dated the 15th June 1942) a propoganda branch for popular education in public health has been started from 6th November 1942. As this branch was organised late in the year, only preliminary work such as taking stock of the material already available, future requirements, collection of information and drawing up of an interim programme for the first 3 months of the next year could be done.

**Health Propaganda and Education.**

### XVIII.—MUNICIPAL PRINTING PRESS.

232. The difficulty of getting paper referred to in the previous year's report was further accentuated this year by Government Notification, dated the 5th February 1942 by which *inter alia* white and badami paper was brought under control. This made it almost impossible to get these two kinds of paper and other varieties of paper had therefore to be substituted. In order to save paper as much as possible every job was subjected to a very close scrutiny in the Press and sizes of forms, etc., were revised without efficiency being affected in any way. This resulted in 16 tons of paper being used less during the year than that in the previous year.

233. Though the cost of paper and other printing materials has gone up by 100 per cent. and that of labour by nearly 15 per cent. it is satisfactory to note that the cost of some of the items printed in the Press compares favourably with that of the previous two years.

234. Under Standing Committee Resolution No. 1150, dated the 11th November 1942, 100 workers at this Press were put on a graded scale of pay. The labour staff at the Press consisted of 113 workers on 28th February 1943, as against 126 workers on 28th February 1942.

### XIX.—MUNICIPAL SERVANTS' ACT.

235. No circumstances arose in any Department of the Municipality in which it was necessary to invoke the provisions of the Municipal Servants' Act.

M. D. BHAT,  
Municipal Commissioner.

# FINANCIAL.

No. AE/5658/D/SR of 30th July 1943.

*Report from the Chief Accountant on the accounts of the Municipality and the Improvement Schemes for the year 1942-43 :—*

The following statement summarises the transactions for the year pertaining to Revenue, and the actuals for the preceding year :—

	1942-43.			Actuals for 1941-42.
	Budget.	Revised	Actuals.	
Opening Balance ...	Rs. 18,36,000	Rs. 34,10,816	Rs. 34,10,816	Rs. 26,91,704
Income ...	3,70,36,850	3,76,61,325	3,89,01,941	3,67,66,203
Expenditure ...	3,74,65,403	3,87,55,798	3,64,65,448	3,59,21,521
	4,28,553 (Deficit)	10,94,473 (Deficit)	24,36,493 (Surplus)	8,44,682 (Surplus)
Balance ...	14,07,447	23,16,343	58,47,309	35,36,386
Recoupment of Advances, etc. ...	—20,115	+1,33,350	—12,60,862	—1,25,570
Closing Balance ...	13,87,332	24,49,693	45,86,447	34,10,816

2. The details of the recoupment of Advances, etc., are :—

Increase in :—	Rs.
Reserve Stores (including Capital Stores) Balances ...	2,60,988
Renewed Grants (including contribution towards Improvement Schemes) ...	9,56,511
Advances—Measures for Civil Defence ...	29,359
Advance for Plant and Machinery ...	30,318
<i>Deduct—</i>	12,77,176
Decrease in :—	
Miscellaneous Advances outstanding ...	16,314
	12,60,862

3. The net unhypothecated Surplus Cash Balance on 31st March 1943 is as under :—

Liabilities.		Assets.	
	Rs. /		Rs.
Reserve Stock including Capital Stores ...	9,27,592	Surplus Revenue Fund as per Appendix No. 2 ...	78,24,639
Advance for Plant and Machinery ...	20,62,219		
Miscellaneous Advances ...	2,02,039		
Advances—Measures for Civil Defence ...	46,342		
Minimum required by Law ...	1,00,000		
Surplus Cash Balance ...	44,86,447		
Total ...	78,24,639	Total ...	78,24,639

4. The opening and closing Reserve Stores (including Capital Stores) Balances for the year 1942-43 are compared below :—

	Opening Balance.	Closing Balance.	Increase.
	Rs.	Rs.	Rs.
Serviceable Stores ...	6,66,604	9,27,592	2,60,988

5. The Loan liabilities at the beginning and at the end of the year were as under :—

Outstanding debt at 1st April 1942.	Loan raised during the year.	Repayment during the year.	Outstanding debt at 31st March 1943.
Rs.	Rs.	Rs.	Rs.
15,49,82,768	25,27,100	1,14,37,457	14,60,72,411

The details of the Loans raised are as below :—

(1) Rs. 25,00,000 being the loan for 1941-42 of Rs. 25 lacs at 3½ per cent., interest with a currency of 30 years, sanctioned under Corporation Resolution No. 522, dated the 2nd October 1941.

(2) Rs. 27,100 being advance from the Net Premia Fund for purchase of Plant and Machinery repayable by annual equated instalments based on the average life of the Machinery at 3 per cent., interest per annum.

Rs. 25,27,100

The amount of 25 lacs under (1) above was raised by reserving the amount for investment of the Municipal Sinking and Special Funds.

The payments during the year were as under :—

(1) Rs.	36,45,481	repaid to Government on the basis of equated payments from revenue in respect of advances taken from them.
(2) Rs.	76,57,000	repaid to Debenture Holders out of Sinking Fund investments including Rs. 24 from the Net Premia Fund.
(3) Rs.	1,34,976	repaid to the different Special Funds out of revenue on the basis of equated payments in respect of the advances taken from the funds for capital works.
Rs.	<u>1,14,37,457</u>	

The state of the Sinking Fund is shown below :—

Amount of Fund at 1st April 1942.	Interest, etc., realisations.	Sinking Fund instalments.	Total.	Withdrawn for repayment of loans.	Amount of the fund at 31st March 1943.
3,69,77,690	14,33,763	18,56,579	4,02,68,032	76,56,976	3,26,11,056

The value of securities held in the Sinking Fund Account on the basis of market rates prevailing on 31st March 1943 including accrued interest and cash exceeded the actuarial amount of the Sinking Fund by Rs. 17,82,315 which is held in the Sinking Fund Account. The question of utilising this excess for revenue purposes is under the consideration of the Law Revenue and General Purposes Committee.

#### INCOME.

6. A detailed comparison between the Budget Estimate and the Actuals will be found in Appendix No. 3. The estimated income for the year was Rs. 3,70,36,850 against which the actuals amounted to Rs. 3,89,01,941 resulting in an increase of Rs. 18,65,091.

The following are the main heads contributing to the increases and decreases :—

Budget Head.	Amount of increase.	Amount of decrease.	REMARKS.
	Rs.	Rs.	
(1) <i>General Tax, Indirect taxation, etc.—</i>			
A.—General Tax	3,50,659		The increases aggregated to Rs. 3,59,583 and were due to increase in general tax from (1) Public Rs. 33,397; due to improvements to existing buildings (2) Government Rs. 2,50,187; due to Government having paid the taxes for the year, during the year, in two instalments instead of in arrears as hitherto (3) Port Trust Rs. 53,658; (4) Improvement Schemes Properties Rs. 22,288 and (7) B.B. & C.I. Railway Rs. 53 counterbalanced by decreases of Rs. 8,924 due to decrease in general tax from (5) Mills Rs. 8,882 and (6) C.I.P. Railway Rs. 42.
B.—Town Duties	32,649		Due to less amount of refunds paid during the year.
C.—Grant-in-aid of the fees for Land Conveyance, Music Licences		5,995	Due to smaller receipts from Government.
E.—Interest and Profit on Investments of Surplus Loans and other balances	6,112		Due to larger balances being available for investment than those anticipated at the beginning of the year.
G.—Miscellaneous	63,173		The increase was mainly under (3) Miscellaneous Receipts Rs. 52,068 due to recovery of Supervision charges in respect of works on Civil Defence Measures carried out on behalf of Government and (5) Rent of Buildings and Lands Rs. 12,292.
(2) Water Tax, etc.	1,99,840		Increased receipts mainly under (2) Water by measurement due to increase in the rate of water supply to Cotton and other Mills from Annas 10 to Annas 14 per 1,000 gallons with effect from 1st April 1942.
(5) Public Health Department	12,282		The increase is made up of increased receipts from (1) Miscellaneous Receipts Rs. 2,749; (2) Miscellaneous fees Rs. 7,259 and (3) Rent of Buildings and Lands Rs. 2,265.
(7) <i>Street Cleansing and Conservancy—</i>			
A.—Halalkhore Tax	69,536		This is made up of increase of Rs. 84,486 on Rateable value set off by a decrease of Rs. 14,950 for Special service and follows the increase in the General Tax.
B.—Miscellaneous	18,375		Increased receipts of Rs. 26,357 were recorded under Miscellaneous Fees—Minor Receipts partly set off by decreases of Rs. 7,982 under other heads.
(8) <i>Roads, Drains and Sewers—</i>			
A.—Wheel Tax	2,84,308		The increase is contributed by (1) Private conveyances (Rs. 92,435) as there were 5 quarterly issues of bills on account of the levy of the tax in advance from 1st July 1942 as per Bombay Act VIII of 1942 as against the normal 4 and (2) Public conveyances (Rs. 1,91,873) due to the tax for the year 1941-42 having been received during the year under report as a result of extension of period granted in that behalf.
C.—Miscellaneous		26,913	Decrease under Miscellaneous Receipts Rs. 11,168 due to less Supervision Charges on Departmental and Private works adjusted during the year, under Miscellaneous Fees, Rs. 12,442 on account of less recoveries in respect of Scaffolding, etc. Fees and under Rent of Buildings and Lands Rs. 3,303.
(9) <i>Mechanical—</i>			
Miscellaneous Receipts	64,959		Includes Rs. 55,111 being sale-proceeds of Plant and Machinery (Rs. 50,000 in respect of five 12½-ton Steam-Rollers sold to Government (as per Corporation Resolutions Nos. 578, dated the 24th September 1942, No. 748, dated the 16th November 1942 and No. 925, dated the 7th January 1943) and Rs. 5,111 in respect of four old Steam-Rollers sold to Mr. Pirani, vide Corporation Resolution No. 247, dated the 22nd June 1942, and Rs. 19,161 on account of increased receipts from sale of gas at Dadar Purification Works partly set off by decrease under Minor Receipts.

Budget Heads.	Amount of Increase.	Amount of decrease.	REMARKS.
	Rs.	Rs.	
(10) Buildings, Land Acquisition and Management.		39,650	The main decrease is under Ground Rent, Rs. 14,852 owing to commutation of ground rents and under Miscellaneous Fees Rs. 24,656 due to reduced receipts from fees for projecting verandahs, balconies, etc.
(11) Fire Brigade	29,324		The main items contributing to the increase are Tax from Government Rs. 11,359 and from Mills Rs. 21,119 and Miscellaneous Receipts—Minor Receipts Rs. 18,090 counter-balanced by a decrease in Tax from the Public Rs. 24,749.
(12) Licensing and Removal of Encroachments on Public Streets.	61,937		This is made up of increased receipts of Rs. 15,478 under Licences for Dangerous and Offensive Trades Rs. 15,715 under Advertisements and Rs. 33,836 on account of Grant-in-aid from Government for the Administration of Shops and Establishments Act, 1939 partly set off by decrease under Removal of Encroachments on Public Streets.
(14) Markets and Slaughter Houses	1,82,267		Increased receipts were recorded mainly under (1) Stall Rents Rs. 10,357; (2) Squatters' Fees Rs. 16,184; (3) Fair-ground and Feeding Fees Rs. 10,000; (4) Slaughter Fees Rs. 1,42,408 (7) Cold Storage rent Rs. 18,534 and were partly set off by a decrease of Rs. 12,074 under Receipts on account of the Administration of the Weights and Measures Act due to taking over of the administration by Government.
(15) Contribution from Capital Funds to Revenue		69,436	Due to decreased expenditure on Loan Works.
(16)—Extraordinary Receipts—			
(a) Interest on Net Premia Fund and excess interest on Sinking Fund		10,128	Due to lower rates of interest in respect of investments in Fixed Deposits.
(b) Refund of excess amount paid to the Improvement Schemes Account on account of Contribution from the Municipal Corporation	6,27,745		This represents the refund of excess amount of contribution paid during the period from 1st October 1933 to 31st March 1940 as sanctioned under Corporation Resolution No. 364, dated the 13th July 1942.
(17) Rebate from Government on account of Collection of the Urban Immoveable Property Tax in the City	8,781		Due to larger receipts from Government.

7. The position as regards our income from General Tax, Water Tax and Halalkhore Tax will be seen from the sub-joined statement :—

	1942-43.	1941-42.	Increase.
	Rs.	Rs.	Rs.
1.—General Tax (including Fire Tax) at 1½ per cent. :—			
Total collections booked	1,54,62,893	1,45,53,375	
Deduct—			
Recoveries for previous years	11,11,626	10,02,324	
Add—			
Outstandings for the year at the close of the year	1,43,51,267	1,35,51,051	
	10,95,898	14,09,778	
Total	1,54,47,165	1,49,60,829	
2.—Water Tax at 3¼ per cent. and Water charges by measurement and at compounded rate :—			
Total collections booked	90,40,747	85,09,747	
Deduct—			
Recoveries for previous years	2,93,705	1,90,673	
Add—			
Outstandings for the year at the close of the year	87,47,042	83,19,074	
	5,11,946	3,43,863	
Total	92,58,988	86,62,937	
3.—Halalkhor Tax at 3 per cent. and for special service :—			
Total collections booked	38,74,536	37,55,679	
Deduct—			
Recoveries for previous years	1,89,247	1,38,581	
Add—			
Outstandings for the year at the close of the year	36,85,289	36,17,098	
	2,82,979	2,31,221	
Total	39,68,268	38,46,319	
Net demand on account of Property Taxes inclusive of refunds...	2,86,74,421	2,74,72,085	12,02,336

#### TOWN DUTIES.

8. The various articles on which duty was levied at the time of import under the provisions of Section 192(1) of the Municipal 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. 25,10,000, the refunds and commission charges at Rs. 10,60,000 and the net revenue at Rs. 14,50,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 23,65,258 and after deducting the amount of Rs. 8,82,609 on account of refunds, the net receipts amounted to Rs. 14,82,649 showing a decrease of Rs. 3,65,667 as compared with the actuals of the previous year. The refunds during the previous year amounted to Rs. 11,81,348. The decrease on account of refunds was due to direct export of grain and sugar due to war.

#### SALE PROCEEDS OF LAND.

9. The balance to the credit of the Fund at the beginning of the year was Rs. 30,56,392. The interest realized on this fund during the year amounted to Rs. 79,333. The total investments in the Fund thus amounted

to Rs. 31,35,725. During the year the sale proceeds of surplus land amounted to Rs. 5,07,760 which fell short of the amount of Rs. 10 lakhs to be credited to revenue on this account by Rs. 4,92,240. This amount was therefore transferred from Land Sales Reserve Fund to Revenue to make good the deficit in the amount of sale proceeds of land to be credited to Revenue as sanctioned under Corporation Resolution No. 705, dated the 19th December 1935. The balance in the Land Sales Reserve Fund on 31st March 1943 is thus Rs. 26,43,485. Out of this amount a sum of Rs. 22,25,000 has been advanced for meeting expenditure on Capital Works, leaving a balance of Rs. 4,18,485 as shown in Appendix No. 6. The area of Surplus Municipal land available for sale at the end of the year is about 63,791 square yards (including an area of 58,665 square yards in respect of Golanji Hill Estate, miscellaneous areas in Mahim, etc., which was not taken in to account while stating the information, in the previous years) of the approximate value of Rs. 9,22,328.

#### REVENUE EXPENDITURE.

10. The final sanctioned grants amounted in the aggregate to Rs. 4,19,23,261 as follows :—

	Rs.
Budget Grants	3,74,65,403
Unexpended Grants for previous years renewed for expenditure	8,73,682
Additional Grants	35,84,176
	4,19,23,261
Final Sanctioned Grants	4,19,23,261

The transfers from one Budget head to another without affecting the total Budget provision for the year amounted to Rs. 5,68,137.

11. The total unexpended grants estimated to be renewed in 1943-44 aggregate to Rs. 16,73,000 against Rs. 8,74,000 in 1942-43 and the heads under which the renewals are required will be found in Appendix No. 4.

The nature of expenditure to be booked on this account may be classified as under :—

	Rs.
(1) Repairs including Special Repairs	1,95,019
(2) Stores and Materials	38,281
(3) New Works	96,499
(4) Law Charges, General	9,000
(5) Payment to Schools Committee	92,388
(6) Grain Compensation	50,000
(7) Civil Defence Measures	5,55,688
(8) Miscellaneous other charges	3,81,299
(9) Interest on Municipal Loans	1,99,430
(10) Grants-in-aid to Public Institutions	55,396
	Total 16,73,000

12. The final sanctioned grants for the year aggregated to Rs. 4,19,23,261 against which the actuals amounted to Rs. 3,64,65,448 leaving an unexpended balance of Rs. 54,57,813 at the close of the year. Of this Rs. 16,73,000 are being renewed for expenditure during 1943-44, the balance, viz. Rs. 37,84,813 being treated as savings on final grants sanctioned as detailed in Appendix No. 4.

The main factors contributing to the decreases of Rs. 5,000 and over are as follows :—

Budget Head.	Amount.	REMARKS.
<i>I.—General Supervision, etc.—</i>	Rs.	
B.—Collection of Revenue—		
(a) Property and Wheel Tax Establishment.	9,495	Due mainly to decrease under Establishment, Rs. 8,014.
(b) Town Duty Refund Branch	8,701	Decrease mainly under Establishment, Rs. 5,035 and under Contingencies (Sealing of tins, etc.) Rs. 1,995.
E.—Miscellaneous Charges	9,720	Due mainly to decrease of Rs. 7,925 under Repairs and Taxes (Properties).
F.—Election Expenses	2,90,521	Due to General Elections not being held, the life of the Corporation having been extended by one year.
New Works	15,162	Due to certain works not being undertaken owing to non-availability of building materials.
<i>II.—Water Works—</i>		
A.—Establishment and Labour	22,491	Decrease under Permanent Establishment, Rs. 9,353 and under labour, Rs. 13,138.
B.—Repairs and Maintenance	15,068	Of this, Rs. 4,130 represents unexpended balance of previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and the balance of Rs. 10,938 is made up of small savings under various heads including Rs. 7,828 under Repairs to roads over trenches opened by Water Works Department.
D.—Miscellaneous	7,925	The main decrease is under chlorinating the Bombay Water Supply Rs. 6,087.
Provident Fund & Pensions, etc. charges.	7,665	This is due to recovery of Provident Fund Contribution from Government in respect of Civil Defence Works carried out on their behalf.
Proportion of General Supervision and Collection of Revenue.	44,126	This follows the decrease in Establishment and other charges.
New Works	7,293	Represents unexpended balance of previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance.
Debt Charges	36,533	Decrease mainly due to (1) the loan of Rs. 25 lakhs of 1941-42 having been raised during the year in instalments and (2) to the loan of Rs. 22 lakhs provided in the Budget for 1942-43 having not been raised during the year.
<i>III.—Education Primary—</i>		
Municipal Institutions	3,15,158	Decrease due mainly to less contribution required to be made to the Schools Committee, (Rs. 2,85,158) and also due to the amount of Rs. 30,000 provided for grants-in-aid to English teaching Schools not being required during the year.

Budget Heads.	Amount.	REMARKS.
	Rs.	
IV.—Education, Secondary— Municipal Institutions	9,100	Includes Rs. 7,778, being unexpended balance of previous years for the work of renewing the flooring of the 2 rear-corner rooms of the Victoria and Albert Museum which will be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance.
V.—Public Health Department— A.—General Supervision	15,995	This is made up of small decreases under various heads including Rs. 6,284 under Establishment and Rs. 5,406 under Rat-destruction.
B.—Epidemics	5,208	Decrease mainly under Temporary Staff, Labour and Medicines.
D.—Malaria	5,315	The main decrease was under Establishment, Rs. 4,097.
VI.—Medical Relief and Education— A.—Hospitals and Dispensaries— (a) Infectious Diseases Hospitals— II.—Arthur Road Hospital for In- fectious Diseases	21,083	Out of this, Rs. 2,540 represents unexpended balance out of grants for previous years to be renewed for expenditure during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and the remaining amount of Rs. 18,543 represents decreases under various heads including Rs. 11,505 under Epidemics and Rs. 2,419 under Contingencies.
D.—Anti-tuberculosis League Dispensaries, etc.	7,421	The decrease in respect of Dispensaries was Rs. 1,914 and Turner Sanatorium, Rs. 5,507 (including Rs. 2,459 under Clothing and Rs. 2,117 under Repairs and Maintenance of Buildings).
G.—King Edward VII Memorial Hospital	39,061	Of this, Rs. 8,300 represent unexpended balance out of grants for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and the remaining amount of Rs. 30,761 is made up of decreases under various heads including decrease of Rs. 4,676 under Establishment, Rs. 12,062 under Medicines and Instruments, Rs. 3,824 under Stores, Rs. 2,116 under Contingencies and Rs. 3,070 under Repairs and Maintenance.
H.—Seth G. S. M. College	12,858	This is made up of Rs. 4,320 being the unexpended balance out of the grant for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and of Rs. 8,538 being decreases under various heads, the chief among them being Establishment, Rs. 2,689 and Repairs and Maintenance, Rs. 4,281.
New Works	5,004	Due partly to savings on works completed and partly to works abandoned owing to non-availability of building materials.
Debt Charges	6,369	Decrease mainly due to (1) the Loan of Rs. 25 lakhs of 1941-42 having been raised during the year in instalments and (2) to the Loan of Rs. 22 lakhs provided in the Budget for 1942-43 having not been raised during the year.
VII.—Street Cleansing and Conservancy— A.—Street Cleansing and Conservancy— (a) Superintendence and Inspection	16,018	This is comprised of Rs. 4,332 being unexpended balance in the grant for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and Rs. 11,686 representing decreases under various heads (including Rs. 8,123 under Establishment and Rs. 3,106 under Propaganda).
(c) Street Cleansing and Sanitation— (a) Scavenging	13,400	The main items contributing to the decrease were Labour, Rs. 8,223, Stores, Rs. 1,886 and Lighting, Rs. 1,985.
(e) Removal of Town Refuse to Tardeo, etc.— I.—Bullock Traction	28,313	The main decrease was under Feed of Bullocks, Rs. 12,247 and Repairs, etc., to carts, Rs. 12,265.
(f) Miscellaneous	10,830	This is mainly due to decreased expenditure under Water Charges by Meter Measurement Rs. 8,338.
B.—Transport of refuse, etc., to Deonar	28,907	The main decreases were under Labour, Rs. 12,640 and under Transport, Rs. 13,740.
D.—Halalkhore Service— (b) Bullocks Traction	7,015	This is made up of small decreases under various heads including Rs. 5,115 under Feed of Bullocks.
(c) Miscellaneous	11,577	The main items contributing to the decrease were Repairs and Maintenance (a) Chawls and Stables, Rs. 4,325, (c) Special Repairs, Rs. 2,119 and Water Charges by Meter Measurement, Rs. 3,066.
New Works	16,030	Of this, Rs. 13,167 is on account of unexpended balance in grants for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and the remaining amount of Rs. 2,863 is mainly in respect of a work abandoned.
Debt Charges	8,432	Decrease mainly due to (1) the Loan of Rs. 25 lakhs of 1941-42 having been raised during the year in instalments and (2) the Loan of Rs. 22 lakhs provided in the Budget for 1942-43 having not been raised during the year.
VIII.—Roads, Drains and Sewers— A.—General	16,509	This is mainly due to decrease under General Supervising Establishment, Rs. 2,904 and Construction Establishment, Rs. 12,467.
B.—Maintenance of Roads	1,99,787	This is made up of decreases mainly under Establishment, Rs. 17,653, Repairs and Maintenance of Roads, Rs. 1,44,486, Miscellaneous, Rs. 4,893, Repairs to Capital Roads, Rs. 5,792 and Street Improvements, Rs. 18,079.
C.—Public Lighting	23,674	The main items contributing to the decrease are Establishment Rs. 1,915, Gas Lighting, Rs. 10,808, Electric Lighting, Rs. 4,281 and Oil Lighting, Rs. 4,519.

Budget Head	Amount.	REMARKS.	
	Rs.		
D.—Cleansing of Drains, etc. ...	41,531	The main decreases were under Establishment, Rs. 3,313, Labour, Rs. 13,419 and Chlorinating Sewers and Storm-water Drains, Rs. 8,628.	
New Works ...	13,993	Of this, Rs. 7,462 represent unexpended balance in the grants for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and the remaining amount of Rs. 6,531 is on account of savings on works completed.	
Debt Charges ...	63,673	Decrease mainly due to (1) the Loan of Rs. 25 lakhs of 1941-42 having been raised during the year in instalments and (2) the Loan of Rs. 22 lakhs provided in the Budget for 1942-43 having not been raised during the year.	
<i>IX.—Mechanical—</i>			
B.—Pumping and Compressor Stations—			
(b) Pumping Stations in the City—			
(i) Pumping Station, Love Grove ...	13,946	This is comprised of Rs. 3,530 on account of unexpended balance in the grant for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance and Rs. 10,416 on account of decreases under various heads including Rs. 1,551 under Labour, Rs. 6,787 under Repairs and Maintenance and Rs. 1,342 under Rent (Taxes).	
(ix) Pumping Station, Sewri-Wadala ...	6,643	The main decrease was under Establishment, Rs. 941 and Electric current, Rs. 3,200.	
(x) Pumping Station, Jacob Circle ...	10,176	This includes decrease of Rs. 9,699 under Electric current.	
(c) Purification Works ...	31,438	The main items responsible for the decrease are Labour, Rs. 2,529, Electric current, Rs. 24,450 and Repairs and Maintenance, Rs. 3,836.	
(d) Compressor Stations in the City—			
(ii) Compressor Stations, Victoria Gardens, Fergusson Road, Warden Road and Bhandarwada Road. ...	8,027	This is made up of decreases under various heads including Rs. 2,628 under Electric current and Rs. 3,770 under Repairs and Maintenance.	
D.—Transport—			
7.—Removal of Town Refuse to Tardeo for transport to Deonar ...	13,552	Due to decreased expenditure mainly under Establishment, Rs. 4,029 and Repairs and Maintenance, Rs. 8,328.	
New Works ...	6,887	This represents unexpended balance in the grants of previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance.	
<i>X.—Buildings, Land Acquisition and Management—</i>			
A.—City Engineer's Central Office Establishment ...			
B.—Inspection and Supervision of Private Buildings ...	8,979	Decrease mainly under Establishment.	
C.—Architectural ...	12,251		
D.—Land Acquisition and Management ...	10,672		
	11,249	This includes decrease of Rs. 8,839 under Repairs and Maintenance.	
<i>XI.—Fire Brigade—</i>			
Maintenance ...	15,700	This is made up of small decreases under various heads.	
<i>XIII.—Gardens and open spaces—</i>			
A.—Gardens—			
(a) Victoria Gardens ...	8,448		
<i>XIV.—Markets and Slaughter Houses—</i>			
(b) Municipal Markets ...	22,512	The main items responsible for the decrease are Lighting, Rs. 6,411 and Repairs and Maintenance, Rs. 13,536 (including the unexpended balance of Rs. 2,159 in the grant for previous years to be renewed during 1943-44 by obtaining an additional grant from the Surplus Cash Balance).	
Proportion of General Supervision ...	8,240	This follows the decrease in Establishment and other charges.	
New Works ...	10,824	Due mainly to works not having been undertaken owing to non-availability of building materials.	
<i>XV.—Contribution towards Improvement Schemes</i> ...	12,03,715	Due to reduction in Municipal Contribution to a sum equal to twice instead of three times the amount of the actual net realizations of the Corporation under the head of General Tax divided by the rate fixed for the General Tax <i>vide</i> Bombay Act No. XVI of 1942.	
<i>XVI.—Provident Fund, Pensions, Gratuities and Compassionate Allowances—</i>			
A.—Provident Fund ...			
B.—Pensions, Gratuities, etc. ...	36,514	This is made up of (1) recoveries from Government in respect of Civil Defence Works carried out on their behalf, Rs. 16,000, (2) lapses in the case of temporary employees who left the Municipal service before completing 5 years, Rs. 15,000 and (3) savings due to temporary closing of the Asphalt Plant Rs. 5,000.	
B.—Pensions, Gratuities, etc. ...	26,662	Due mainly to less expenditure on Pensions on account of deaths.	
<i>XVII.—Urban Immovable Property Tax</i> ...	21,162	Due to exemption of certain Municipal properties from the payment of the tax.	
<i>XVIII.—Grain Compensation</i> ...	3,28,773	Due partly to charges in respect of staff under Advances and Suspense Heads being met from grants under those heads and partly to curtailment of Loan Works Programmes.	
<i>XX.—Measures for Civil Defence</i> ...	5,22,034	Due to stoppage of works of construction of blast and splinter-proof walls and curtailment of A. R. P. Schemes as a result of Improvement in the war situation.	



## LOAN FUNDS.

13. The amount of new loan to be raised proposed in the Budget for 1942-43 was Rs. 22 lakhs. On the basis of the revised loan works programme of the year this loan was not considered necessary and the provision for the same was deleted in the Loan Works Revised Estimates for the year. As the loan works expenditure fell short of the budgeted expenditure, the amount actually raised to finance the Capital expenditure including purchase of Plant and Machinery was Rs. 25,27,100 as detailed in paragraph 5 above. This amount includes Rs. 25 lakhs being the loan for 1941-42 not raised in that year.

## LOAN WORKS EXPENDITURE.

14. The opening balance on 1st April 1942 on account of Loan Funds including the advance from Special Funds for the purchase of Plant and Machinery and for Renewal of Surfaces of Roads for which no Renewal Fund exists but excluding the Trust Funds was Rs. 11,42,057. Adding to this Rs. 25,27,100 raised during the year the total funds available for expenditure were Rs. 36,69,157. The total expenditure incurred during the year amounted to Rs. 19,39,180 leaving an unspent balance of Rs. 17,29,977 at the close of the year.

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 Fund.			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.		
1938-39 ...	72,42,997	74,57,798	48,81,906	32	34
1939-40 ...	65,77,512	94,14,328	54,53,383	17	42
1940-41 ...	50,23,263	76,82,864	43,16,316	14	44
1941-42 ...	41,16,573	52,40,984	27,33,508	34	48
1942-43 ...	35,80,759	39,65,726	19,52,350	45	51

The above figures do not include the amount on account of subvention and discount and other charges on the New Loan.

The Revised Estimates adopted by the Corporation were for Rs. 40,38,826 including Rs. 48,000 on account of subvention, Rs. 25,100 on account of charges for raising the new loan, and Rs. 1,02,632 on account of the estimated expenditure under the Trust Fund. The amount of Rs. 19,52,350 shown as the actual expenditure is arrived at as follows :—

Expenditure as shown in the summary of Appendix No. 8 including expenditure under Trust Fund and credit on account of assets written off ...	Rs.	Rs.
	...	19,51,981
<i>Deduct—</i>		
Expenditure on account of subvention ...	29,160	
Expenditure for raising the new loan ...	25,012	
		54,172
<i>Add—</i>		
Assets written off ...		18,97,809
		54,541
		19,52,350

16. The following table gives the classification of all the Loan Works under distinctive groups for the purpose of appraising the distinctive character and value to the City in relation to the outlay, the allocation of outstanding debt as at 31st March 1943 and the debt charges involved during 1942-43 :—

Particulars of City Service.	Amount of Loan outstanding on 31st March 1943.	DEBT CHARGES FOR 1942-43.				Total Debt Charges.
		Debt interest.	Interest accrued but not paid.	Sinking Fund and Repayments.	Bank's Commission and Miscellaneous Loan Charges.	
General Services ...	Rs. 8,44,38,182	Rs. 37,54,038	Rs. 5,641	Rs. 31,85,728	Rs. 14,042	Rs. 69,59,449
Self-supporting Services—						
Water Works ...	5,89,64,272	30,24,188	1,474	23,07,567	8,064	53,41,293
Fire Brigade ...	6,54,206	30,080		37,634	229	67,943
Markets and Slaughter Houses ...	20,15,751	91,292	177	1,06,107	154	1,97,730
Total ...	6,16,34,229	31,45,560	1,651	24,51,308	8,447	56,06,966
Grand Total ...	14,60,72,411	68,99,598	7,292	56,37,036	22,489	1,25,66,415

## SINKING FUNDS.

17. From Appendix No. 10 it will be seen that the book value of the Sinking Funds as on 31st March 1943 amounted to Rs. 3,26,11,056 made up of Rs. 3,26,10,844 being the book value of securities and Rs. 212 in cash with the Imperial Bank of India. Valuing the Municipal and Improvement Trust Debentures at par, the market value of Sinking Fund Investments held on 31st March 1943 comes to Rs. 3,48,49,588 as shown in Appendix No. 16 A. This, together with the amount of interest accrued upto 31st March 1943, viz., Rs. 3,39,800 and cash with the Imperial Bank of India, Rs. 212 brings the total amount of Sinking Fund to Rs. 3,51,89,600 and more than covers the amount, viz., Rs. 3,34,07,285 to which the Sinking Funds should have accumulated upto 31st March 1943. The excess in the Sinking Fund Investments account is thus Rs. 17,82,315.

## INVESTMENTS AND INVESTED BALANCES.

18. The details of investments made during the year are as follows :—

Particulars.	Amount.	Average No. of
		Days.
	Rs.	Rs.
(1) Current Account Deposits ...	1,16,00,000	71.40
(2) Fixed Deposits ...	3,16,00,000	118.25
(3) Three Months Government of India Treasury Bills ...	58,89,781	86.32
<b>Total ...</b>	<b>4,90,89,781</b>	<b>105.77</b>

The interest earned during the year amounted to Rs. 2,87,689 and the details are as follows :—

	Rs.
(1) On Current Account Deposits ...	8,403
(2) On Fixed Deposits ...	1,51,637
(3) On Treasury Bills ...	11,693
(4) On Investments in Public Securities, etc. ...	1,15,956
<b>Total ...</b>	<b>2,87,689</b>

The average rate of interest on Current Account Deposits was .37 per cent., against .53 per cent. in the preceding year. The average rate of interest on fixed deposits was 1.09 per cent. as against 1.29 per cent. in the preceding year. The average rate of interest on Treasury Bills was .72 per cent. as against .65 per cent. in the preceding year. The rate realized on fixed deposits ranged from 1/2 per cent., to 1 1/4 per cent., The maximum rate realized on fixed deposits in the preceding year was 1 1/4 per cent.

The average rate of interest on all deposits was .97 per cent. as against 1.17 per cent. in the preceding year.

## RESERVE STOCK.

19. The opening balance and the receipts of General Stores during the year as per books maintained in this office were Rs. 3,75,899 and Rs. 9,86,345 respectively, and the issues amounted to Rs. 7,95,988. The closing balance of General Stores was, therefore, Rs. 5,66,256, i.e., more by Rs. 1,90,357 than the opening balance.

20. The balances of General Serviceable Stores in charge of the Controller of Stores (formerly Store-keeper) are compared below for the last five years :—

	Rs.
Balance at the close of 1938-39 ...	3,01,268
" " 1939-40 ...	2,46,486
" " 1940-41 ...	2,66,953
" " 1941-42 ...	3,75,899
" " 1942-43 ...	5,66,256

## CAPITAL STORES.

The opening balance of Rs. 1,90,139 together with the receipts of Capital Stores during the year aggregated to Rs. 5,73,616 and the issues to Rs. 3,13,224 thus resulting in a increase of Rs. 70,253 in the closing balance of Capital Stores, viz., Rs. 2,60,392 compared with the opening balance.

## DEPARTMENTAL STOCK VERIFICATION.

21. Detailed verification of the reserve stock at the Central Stores and the two Sub-Depots at Foras Road and the B.B. Pipe Depot for the year 1942-43 was commenced in January 1943 and was still in progress in March 1943.

Verification of all consumable stores including Stationery, Animals, Furniture, etc., was continued during the year. The programme of verification was altered at times and surprise checks were instituted in the various offices situated in different parts of the City. The registers both of the Municipality and the Improvement Trust Schemes were found posted regularly and minor discrepancies were rectified as early as possible.

## STREET IMPROVEMENTS.

22. The provision made in the Revised Loan Works Budget for meeting claims on account of acquisition of set-backs was Rs. 4,50,000 (excluding Rs. 50,000 earmarked for adding setback lands to the roads), the expenditure being Rs. 3,24,223. This leaves a balance of Rs. 1,25,777.

After deducting all ascertained time-barred claims, the undischarged commitments upto 31st March 1943 in regard to set-backs already acquired and sanctioned to be acquired amount to Rs. 8,83,659 against which we have a provision of Rs. 4,00,000 (excluding Rs. 50,000 earmarked for adding set-back lands to the roads) in the Budget for 1943-44. In addition to this, further liabilities may be expected on account of further acquisition of set-backs that will be sanctioned during 1943-44.

## LEVELLING, METALLING, ETC., PRIVATE STREETS.

23. 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.	Grant (Advance from Plant and Machinery Depreciation Fund).	EXPENDITURE				Recoveries inclusive of Interest and Supervision Charges.
		Actual Expenditure on Works.	Supervision Charges.	Interest, etc., on Advance.	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1938-39 ...	1,40,220	70,398	3,568	2,718	76,684	25,616
1939-40 ...	1,38,535	20,699	...	4,776	25,475	13,957
1940-41 ...	1,40,500	54,718	...	5,622	60,340	41,062
1941-42 ...	1,06,000	31,171	...	5,683	36,854	53,485
1942-43 ...	1,04,000	11,863	1,225	4,975	18,063	42,934
				<b>Total ...</b>	<b>2,17,416</b>	<b>1,77,054</b>

The amount outstanding on 1st April 1938 was Rs. 47,576. Adding Rs. 2,17,416 on account of expenditure incurred during the years 1938-39 to 1942-43 and deducting Rs. 1,77,054 recovered during the same period, the amount outstanding at the close of the year 1942-43 comes to Rs. 87,938 as shown in Appendix No. 5.

#### GRAIN-SHOPS.

24. The Corporation under their Resolution No. 566, dated the 17th September 1942 approved of the Scheme of opening Grain-Shops for Municipal employees and sanctioned an advance of Rs. 1 lakh from the Fines Fund to meet the cost of outlay and recurring expenditure in respect of these shops. The Corporation further sanctioned under their Resolution No. 969, dated the 21st January 1943 that the grant of Rs. 1 lakh, referred to above, should be treated as net grant available for expenditure after taking into account the receipts on account of sale-proceeds of grains, etc. The original scheme was modified and in all eight shops were opened in different parts of the City and the necessary staff to work at these shops was sanctioned subsequently in accordance with the modified scheme under Standing Committee Resolution No. 2042, dated the 31st March 1943 and Corporation Resolution No. 42, dated the 8th April 1943. The administration of the shops was entrusted to the Controller of Stores. Before the shops were opened, grains had to be purchased by the City Engineer for the Labour Staff under his control. The total expenditure on the grain-shops including the cost of grains purchased by the City Engineer amounted to Rs. 1,51,635-12-3 and the receipts amounted to Rs. 1,65,683-3-9, resulting in excess receipt over expenditure of Rs. 14,047-7-6 which have been held in Deposit Account pending a detailed report to the Corporation by the Controller of Stores regarding the working of the grain-shops. The value of stock of grains in hand with the Controller of Stores on 31st March 1943 was Rs. 32,056-2-0 and the cash in his hands out of advances made to him for the purchase of grains was Rs. 13,489-8-6 making a total of Rs. 45,545-10-6.

#### MEASURES FOR CIVIL DEFENCE.

25. In February 1942, the Corporation appointed their representatives to meet in a Conference the representatives of Government to discuss the measures to be adopted in relation to A.R.P. and Civil Defence of the City. The Corporation agreed to share a certain amount of expenditure and responsibility with Government. A Scheme was then drawn up regarding the allocation between Government and the Municipality, of the cost of A.R.P. Measures undertaken within the Bombay Municipal limits and the works were grouped in three divisions. Article I included items the entire cost of which was to be borne by Government, Article II comprised items the entire cost of which was to be charged to the Municipality, while Article III included works, the cost of which was to be shared equally between Government and the Municipality. This scheme was approved by the Corporation under their Resolution No. 377 dated the 23rd July 1942. The details of works and the expenditure incurred thereon are given in Appendix No. 4A.

It will be seen from the Appendix that the final grants sanctioned during the year aggregated to Rs. 49,55,522 and the actuals amounted to Rs. 27,65,145. The decrease in expenditure was due to stoppage of works of construction of blast and splinter proof walls, etc., and curtailment of A. R. P. Schemes as a result of improvement in the war situation.

The final sanctioned grants of Rs. 49,55,522 above referred to are made up of Government allotment of Rs. 27,22,252 and Municipal allotment of Rs. 22,33,270.

Against the allotment of Rs. 27,22,252 on Government account, the expenditure booked during the year (excluding Provident Fund etc., contribution and supervision charges) came to Rs. 16,09,597 of which Rs. 13,27,515 were recouped from Government leaving a balance of Rs. 2,82,082 as outstanding at the close of the year. This outstanding balance includes Rs. 69,716 on account of stock of paint, etc., on hand and is covered by the deposit of Rs. 5 lakhs paid by Government to meet Government share of expenditure on A.R.P. Measures pending subsequent recoupment by them. In addition a sum of Rs. 96,214 due on account of (1) Pension contribution at 12½ per cent. Provident Fund contribution at 8½ per cent. and (2) Supervision charges at 5 per cent., amounting to Rs. 10,235 and Rs. 86,096 respectively in respect of bills paid by Government was also recovered from them.

As regards the allotment of Rs. 22,33,270 on Municipal Account chargeable to the head "XX—Measures for Civil Defence", the expenditure booked was Rs. 11,55,548 leaving an unexpended balance of Rs. 10,77,722 at the close of the year. Of this, Rs. 5,55,688 are being renewed for expenditure during 1943-44, the balance viz., Rs. 5,22,034 being treated as savings on final sanctioned grants as detailed in Appendix No. 4A.

#### IMPROVEMENT SCHEMES.

##### GENERAL ACCOUNT.

##### Income.

26. The total income for the year amounted to Rs. 87,27,883 against Rs. 1,03,54,748 for the preceding year showing a decrease of Rs. 16,26,865 made up of decreases in (1) Contribution from the Corporation of Rs. 12,20 lakhs, (2) Tobacco Duty Receipts of Rs. 5,87 lakhs, (3) Interest and profit on Investments of Rs. .07 lakh counterbalanced by increases in (4) Land Revenue realisations of Rs. 1.86 lakhs and (5) Miscellaneous Receipts of Rs. .01 lakh. A detailed comparison between the Budget Estimates and the Actuals will be found in Appendix No. 23.

##### EXPENDITURE.

27. The total expenditure for the year aggregated to Rs. 1,03,47,830 as against Rs. 97,67,971 for the preceding year showing an increase of Rs. 5,79,859. This is made up of an increase of Rs. 6.28 lakhs due to Repayment of Excess amount of Contribution received from the Municipal Corporation counterbalanced by decrease of Rs. .15 lakh under Maintenance of Properties and Streets and Rs. .33 lakh under Debt Charges. The expenditure of Rs. 103.48 lakhs comprises expenditure of Rs. 17.58 lakhs under Maintenance of Properties and Streets inclusive of the cost of Management and Establishment, of Rs. 79.62 lakhs under Debt Charges, and of Rs. 6.28 lakhs under Repayment of Excess amount received on account of Contribution from the Municipal Corporation. Appendix No. 24 gives a comparison between the final sanctioned Grants and the actuals.

28. The net deficit for the year amounts to Rs. 16,19,947 as shown in Appendix No. 22.

##### LOANS.

29. The loan liabilities at the beginning of the year stood at Rs. 16,32,79,467. No loan was raised during the year.

The repayment of Loans during the year aggregated to Rs. 14,90,875 out of which Rs. 4,90,875 were repaid to Government on the basis of equated payments out of Revenue in respect of advances taken from them and Rs. 10 lakhs were repaid to the Debenture holders in respect of the whole of Rs. 10 lakhs loan of 1933 due for repayment on 31st March 1943. The Sinking Fund accumulations in respect of this loan amounted to Rs. 2,32,606 only on the date of maturity and accordingly the amount of Rs. 2,32,606 was paid out of the Sinking Fund. The balance of Rs. 7,67,394 was paid out of the surplus balances in the Capital Account. The outstanding loan liabilities at the close of the year thus stood at Rs. 16,17,88,592. Out of this, the amount outstanding on account of Government loans shown in Appendix No. 29 as Rs. 8,58,94,092 requires some explanation as the whole amount is not really due to Government. Out of debentures held by Government debentures are repurchased every year for the purpose of Sinking Fund investments and the debentures thus held on 31st March 1943 amount to Rs. 2,29,00,000. The liability to Government on this account is therefore only Rs. 6,29,94,092.

#### CAPITAL ACCOUNT.

30. The opening balance on 1st April 1942 was Rs. 86,23,829. During the year under report, receipts on account of sale proceeds of lands and buildings amounted to Rs. 27,98,248. The total funds available were Rs. 1,14,22,077. Against this, the expenditure incurred on works amounted to Rs. 6,92,287. The deficit in the General Account for the year amounted to Rs. 16,19,947 and was met from the balance in the Capital Account. The amount paid towards the repayment of Rs. 10 lakhs loan due on 31st March 1943 was Rs. 7,67,394. The unspent balance at the close of the year thus stood at Rs. 83,42,449.

#### EXPENDITURE ON SCHEMES.

##### APPENDIX No. 26.

31. The actual expenditure incurred during the year on Schemes amounted to Rs. 6,92,287 as against the Revised Estimates of Rs. 14,97,515 (including Rs. 1,65,000 on account of Cost of Management and Establishment). The total expenditure on Schemes upto 31st March 1943 amounted to Rs. 18,91,21,081 of which Rs. 14,65,586 represent discount and other charges on loans.

#### SINKING FUNDS.

32. The state of the Sinking Fund is shown below :—

Amount of Fund at 1st April 1942.	Interest, etc., realizations.	Sinking Fund Instalments.	Deduct—Withdrawn for repayment.	Amount of the Fund on 31st March 1943.
Rs.	Rs.	Rs.	Rs.	Rs.
2,93,47,180	1,323,705	6,00,587	2,32,606	3,10,38,866

From Appendix No. 28 it will be seen that in the books of Accounts the Sinking Fund as on 31st March 1943 amounts to Rs. 3,10,38,866 of which Rs. 3,10,38,783 represent the book value of the securities and Rs. 83 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 1943 comes to Rs. 3,13,40,392 as shown in Appendix No. 30. This, together with the amount of interest accrued upto 31st March 1943, *viz.*, Rs. 1,22,566 and cash with the Imperial Bank of India, *viz.*, Rs. 83 brings the total amount of Sinking Fund to Rs. 3,14,63,041 against Rs. 2,69,70,483, the amount to which the Sinking Fund should have accumulated upto 31st March 1943. The excess in the Sinking Fund Investments account is thus Rs. 44,92,558.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1943 comes to Rs. 1,617 lakhs. Out of this Rs. 383 lakhs are borrowed from Government the repayment of which is arranged on the basis of half-yearly equated payments. The balance of Rs. 1,234 lakhs represents loans raised by issue of debentures. Out of this, Rs. 476 lakhs are borrowed from Government and Rs. 758 lakhs from the Public. For the repayment of loans raised by issue of debentures, Sinking Funds are formed and invested in Public Securities. At the end of each official year calculations are made showing the amounts of Sinking Fund which should have accumulated in respect of each loan. These calculations are checked every year both by the Municipal Chief Auditor and the Government Auditor who is required to give a certificate to the Accountant General regarding the adequacy or otherwise of the Sinking Fund Investments. While checking these calculations for the year 1940-41, the Municipal Chief Auditor pointed out that the theoretical Sinking Fund calculations in respect of certain loans were short of the amounts required for payment on maturity. The calculations of theoretical Sinking Fund accumulations from the year to year since the year 1933 have been based on the figures of accumulations given in the Bombay Improvement Trust Accounts at the time of amalgamation which were taken as correct as they were audited by Government Auditors from year to year. Calculation sheets in respect of each loan showing accumulations upto the date of maturity were prepared and forwarded to the Municipal Chief Auditor for scrutiny. The calculations have been checked by the Municipal Chief Auditor and have now been forwarded to the Accountant General, Bombay. According to the sheets now prepared, the theoretical Sinking Fund accumulations on 31st March 1943 amount to Rs. 2,70,93,678 against Rs. 2,69,70,483 shown in Appendix No. 28 worked out according to the present method. There is thus a deficiency of Rs. 1,23,195 which will be set off against the excess accumulations of Rs. 44,92,558 reducing the figure to Rs. 43,69,363. On receipt of the remarks of the Government Auditor, a detailed report in the matter will be submitted to the Standing Committee and the Corporation.

#### LIABILITIES AND ASSETS.

##### APPENDIX No. 25.

33. The gross capital liabilities of the Improvement Schemes stood at Rs. 16,65,47,082 at the close of the year under report and the assets at Rs. 23,32,60,886 including book value of lands comprised in Schedules 'W' and 'X' resulting in a surplus of Rs. 6,67,13,804, the details thereof are shown in Appendix No. 25.

## GENERAL REMARKS.

(000 Omitted).

34. In the Budget Estimates for the year the total income was estimated at Rs. 3,70,36 and the total expenditure at Rs. 3,74,65, the Budget deficit being Rs. 4,29. The actual income realised for the year was Rs. 3,89,01, and the total expenditure aggregated to Rs. 3,64,65, showing a surplus of Rs. 24,36. On scrutinizing the details it will be seen that the total gross increases in Revenue amounted to Rs. 19,92, while the decreases in income amounted to Rs. 1,27, the net increase in income being Rs. 18,65. There were increases in income under General Tax, Rs. 3,51, Town Duties, Rs. 33, Interest and Profit on Investments of Surplus, Loan and Other balances, Rs. 6, and Miscellaneous Rs. 63. Under Water Works there was an increase of Rs. 2,05, in the Revenue by Meter Measurement and Rs. 10, under Rent of Meters and Miscellaneous Receipts counterbalanced by decreases of Rs. 3, in the Tax on value and Rs. 12, under Compounded Tax. The net increase under that head was thus Rs. 2,00. The other increases were under Education (Primary) Rs. 1, Public Health Rs. 12, Medical Relief and Education Rs. 8, Street Cleansing and Conservancy, etc., Rs. 88, (Rs. 70, under Halalkhore Tax and Rs. 18, under Miscellaneous), Roads, Drains and Sewers Rs. 2,55, (made up of increase of Rs. 2,84, under Wheel Tax, counterbalanced by a decrease of Rs. 2, under Ground Rent and Rs. 27, under Miscellaneous), Mechanical, Rs. 65, Fire Brigade, Rs. 29, Licensing, etc., Rs. 62, Markets and Slaughter Houses, Rs. 1,82, Extra-ordinary Receipts, Rs. 6,28, and Rebate from Government on account of Collection of Urban Immoveable Property Tax Rs. 9. The decreases in revenue were made up of Grant-in-aid of the fees for Land Conveyance, Music Licences, Rs. 6, Interest and Profit on Plant and Machinery Depreciation Fund, Rs. 1, Buildings, Land Acquisition, etc., Rs. 40, Contribution from Capital Funds to Revenue on account of Loan Works Staff, Rs. 70, and Interest on Net Premia Fund, Rs. 10. Such large increases in income, however, gratifying they may be, are likely to give an incorrect impression of our financial position. For a correct appreciation it is necessary to make allowance for Extra-ordinary receipts and for temporary increases due to war conditions. From this point of view, the receipt of Rs. 4,12, from Government for taxes for the year paid during the year in two half-yearly instalments in September 1942 and March 1943, as agreed to by them, instead of in arrears as heretofore, the receipt of Rs. 6,28, on account of refund of excess amount of contribution paid to the Improvement Schemes Account during the period from 1st October 1933 to 31st March 1940, and increases under Miscellaneous Receipts, Water Works and Markets amounting to about Rs. 7,77, will have to be excluded. The receipts under Miscellaneous Receipts include Rs. 86, on account of Supervision charges at 5 per cent. on Measures for Civil Defence carried out on behalf of Government and those under Water Works include charges for more consumption of water by Textile Mills and other Factories assumed at Rs. 5,09. Under Markets the increase was due to more receipts on account of slaughter fees. If these increases of Rs. 18,17, are excluded there remains a small balance to represent normal increase in Revenue.

The expenditure for the year showed a decrease of Rs. 10,00. The main factors which contributed to this decrease were (1) reduction of Rs. 1,81, in Debt Charges due to non-raising of loans as proposed in the Budget owing to reduced expenditure on Loan Works, (2) decrease of Rs. 4,93, in Election expenses due to General Elections not being held, the life of the Corporation having been extended by one year; (3) decrease of Rs. 1,93, in repairs and new works owing to the difficulty of obtaining materials due to the war; (4) decrease of Rs. 1,45, in the payments to Schools Committee; (5) decrease of Rs. 2,00, on the maintenance of Roads and of Rs. 23, under Lighting; (6) reduction in Municipal contribution towards Improvement Schemes Account Rs. 12,04, and (7) decreases under other heads, Rs. 2,94, counterbalanced by increases amounting to Rs. 17,33, viz., (1) increase of Rs. 5,78, under Grain Compensation due to increase in the scale of Grain Compensation Allowance owing to high cost of living and (2) expenditure of Rs. 11,55, on Measures for Civil Defence for which no provision was made in the original Budget.

The Surplus Cash Balance at the beginning of the year was Rs. 34,11, and as a result of variations in Income and Expenditure showing a surplus of Rs. 24,36, the balance at the close of the year was Rs. 58,47, and after allowing for the advance of Rs. 12,61, as detailed in paragraph 2, the balance at the close of the year was Rs. 45,86.

It will be seen from the above remarks that the abnormal increase in income of Rs. 18,17, was due partly to the conditions created by the war and partly on account of the extraordinary receipts amounting to Rs. 10,40. The decrease of Rs. 27,33, in expenditure was mainly due to the reduction of Rs. 12,04, in the Municipal contribution to the Improvement Schemes and smaller expenditure under Debt Charges, Payment to Schools Committee, Election expenses, Special Repairs and New Works, etc. The relief from the first one is only temporary as the question is to be reviewed after 1944-45. Although there is a pressing need to undertake some of the schemes for the improvement and extension of the different services such as—(1) Slum Clearance, (2) Improvement of Roads, (3) Increased water supply and (4) Extension of hospital accommodation due to the rapid expansion of the City during the last few years, these schemes have had to be postponed due to abnormal times through which the country is passing. However, these schemes cannot be held up indefinitely and the problem of finding additional funds for them will have to be earnestly tackled after the termination of the war. Even during the currency of the war, larger sums may have to be spent for Grain Compensation Allowance to the staff to meet the increased cost of living and unless there is a radical change for the better in the war situation, expenditure on Civil Defence Measures will have to be continued. Although the present position of our finances may appear to be satisfactory, the enormous burden which the Corporation will have to bear as a result of the war and post-war problems, should not be lost sight of. It is therefore imperative that serious consideration may once again be given to obtaining additional funds by urging upon Government the necessity of considering the Municipal demands for additional sources of revenue to meet the growing expenditure on account of improvement and expansion of services and provision of new amenities.

Reference may be made to two Special Funds, viz., (1) Municipal Fire and Accident Insurance Fund and (2) Land Sales Reserve Fund.

As approved under Corporation Resolution No. 78, dated the 3rd May 1934 the exact figure at which the Fire and Accident Insurance Fund should be stabilised was to be considered when the Fund reached the limit of Rs. 10,00. The amount to the credit of the Fund on 31st March 1942, exceeded the above limit and amounted to Rs. 10,84. In order to determine the figure up to which the Fund should be accumulated, information regarding the total cost of Municipal Ex-Trust and School Buildings was collected and the matter

was submitted for the orders of the Standing Committee and the Corporation. The Corporation under their Resolution No. 297, dated the 8th July 1943 have given their approval to the proposal to allow the Fund to accumulate by the accretions thereto of interest on investments and contributions from the School Fund and the Improvement Scheme Accounts as hitherto until the Fund reaches the figure of Rs. 16,00. The amount to the credit of the Fund as at 31st March 1943 stands at Rs. 11,34.

In regard to the Land Sales Reserve Fund, it may be pointed out that the area of surplus Municipal land available for sale at the end of the year is about 63,791 square yards (including an area of 58,665 square yards in respect of Golanji Hill Estate, Miscellaneous areas in Mahim, etc., which was not taken into account while stating the information in the previous years) of the approximate value of Rs. 9,22. The total amount standing to the credit of this fund was Rs. 26,43.

The expenditure on Loan Works as shown in the Budget was Rs. 35,81. In the Revised Estimate, the expenditure was shown at Rs. 39,66, while the actual expenditure aggregated to Rs. 19,52. The actuals fell short of the Budget Estimates and the Revised Estimates by 45 per cent. and 51 per cent., respectively. The executive officers were not able to spend the money owing to the difficulty of obtaining materials due to the war.

The position regarding Sinking Fund Investments is satisfactory, as there is an excess accumulation of Rs. 17,82, which is allowed to remain in the Sinking Fund Account. The question of transferring excess accumulations in the Sinking Fund Account for revenue purposes is still under the consideration of the Law, Revenue and General Purposes Committee. In addition to this Rs. 47,30, are to the credit of the Net Premia Fund which is intended as a reserve for making good any deficit in the market value of the Sinking Fund investments at the close of the year as compared with the actuarial amount of the Sinking Fund on that date.

As regards Improvements Schemes the total income for the year amounted to Rs. 87,28, and the total expenditure aggregated to Rs. 1,03,48, showing a deficit of Rs. 16,20. The deficit is accounted for by the fact that (1) there was a decrease of Rs. 12,04, in income under Municipal Contribution due to the amendment of the Municipal Act by which the Municipal Contribution will be equal to twice the actual net realisation under General Tax, instead of three times as at present, divided by the rate of tax fixed for the financial year and (2) there was an increase of Rs. 6,28, in expenditure on account of repayment of excess amount received by way of contribution from the Municipal Corporation during the period from 1st October 1933 to 31st March 1940. The programme of repair works had to be considerably curtailed on account of the difficulty of obtaining materials due to the war.

The position regarding Sinking Fund Investments in respect of Improvements Schemes is satisfactory as there is an excess accumulation of Rs. 44,92, which is allowed to remain in the Sinking Fund Account. There is no separate Net Premia Fund in the case of the Improvement Schemes Account.

J. K. DARUVALA,  
Chief Accountant.

## APPENDICES.

## MUNICIPAL ACCOUNT.

- No. 1.—General Financial Statistics.
- No. 2.—Statement of Surplus Revenue Fund for 1942-43.
- No. 3.—Statement showing the Income realised during 1942-43 as compared with estimates for the year as also with the actuals for the preceding year.
- No. 4.—Statement showing the expenditure during 1942-43 as compared with the Final sanctioned grants.
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- No. 5.—Balance Sheet (Revenue) as at 31st March 1943.
- No. 6.—Statement of Special Funds for 1942-43.
- No. 7.—Balance Sheet (Capital Funds) as at 31st March 1943.
- No. 8.—Block Account, showing details of Capital Expenditure upto 31st March 1943.
- 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 1943.
- No. 10.—Statement showing the actual investment on account of the Sinking Fund of different Municipal Loans upto 31st March 1943 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 1943.
- No. 11.—Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1942 on the different loans, the amount payable for the year 1942-43, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1943.
- No. 12.—Water Works, Income and Expenditure Account, including statement of income realizations for 1942-43 and preceding 5 years from Water supply through meters.
- No. 12A.—Water Works Assets and Liabilities.
- No. 13.—Markets and Slaughter Houses, Income and Expenditure Account for 1942-43.
- No. 14.—Municipal Printing Press, Income and Expenditure for the year 1942-43.
- No. 14A.—Statement of Advance Accounts for 1942-43.
- No. 14B.—Statement of Advance Accounts out of Special Funds for 1942-43.
- No. 14C.—Statement of Deposit Accounts for 1942-43.
- No. 14D.—Statement of Reserve Stores Stock Accounts for 1942-43.
- No. 14E.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1943.
- No. 15.—Statement of amounts of receipts and expenditure respectively, credited and debited to the Municipal Fund during the year 1942-43 and the balance at the credit of the fund at the close of the year 1942-43 (i.e. 31st March 1943.)
- No. 16.—Comparison of Face, Purchase and Market values at 31st March 1943 of the different securities held in the Special Funds.
- No. 16A.—Comparison of Face, Purchase and Market values at 31st March 1943 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 1943.
- 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 1943.
- No. 17.—Statement of Town Duties collected and refunds allowed in 1942-43.
- No. 18.—Statement of the Income of the Bombay Municipality from 1932-33 to the close of the financial year 1942-43.
- No. 19.—Statement of the Expenditure of the Bombay Municipality from 1932-33 to the close of the financial year 1942-43.
- No. 20.—Contrasted statement of Income and Expenditure from the year 1932-33 to the financial year 1942-43.

## IMPROVEMENT SCHEMES ACCOUNT.

- No. 21.—General Financial Statistics.
- No. 22.—General Account for the year 1942-43.
- No. 23.—General Account for 1942-43—Details of Income.
- No. 24.—General Account for 1942-43—Details of Expenditure.
- No. 25.—Balance Sheet (Capital Account) as at 31st March 1943.
- No. 26.—Block Account showing Capital Expenditure upto 31st March 1943.
- 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 1943 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 1943.
- No. 29.—Statement showing outstanding loans of the Bombay Improvement Trust due by the Municipality, the interest outstanding on 1st April 1942 on the different loans, the amount payable for the year 1942-43, the amount paid during that year and the balances outstanding on 31st March 1943.
- No. 30.—Comparison of Face, Purchase and Market values at 31st March 1943 of the different securities held in the Sinking Fund.

## APPENDIX No. 1.

## General Financial Statistics.

—	1938-39.	1939-40.	1940-41.	1941-42.	1942-43.
<i>General.</i>					
1. Area of the City (acres)	15,714	15,714	15,714	15,714	16,761
2. Population ...	1,161,383	1,161,383	1,489,883	1,489,883	14,89,883
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	13,48,69,247	13,97,61,676	14,14,61,189	14,27,65,826	14,63,63,848
4. Rateable value per head of population.	Rs. 116-2-0	Rs. 120-5-5	Rs. 94-15-6	Rs. 95-13-2	Rs. 98-3-10
5. Properties registered in the Assessment Book	48,271	48,306	48,501	48,664	48,967
<i>Income.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
	at 11 per cent.	at 11 per cent.	at 11 per cent.	at 11 per cent.	at 11 per cent.
6. General Tax ...	1,36,06,715	1,34,47,825	1,38,54,785	1,39,20,308	1,47,94,959
7. Income from other sources ...	2,11,60,560	2,12,08,276	2,17,76,980	2,28,45,895	2,41,06,982
Total Income Rs.	3,47,67,275	3,46,56,101	3,56,31,765	3,67,66,203	3,89,01,941
8. Incidence of Taxation per head ...	Rs. 25-0-6	Rs. 24-11-7	Rs. 19-13-2	Rs. 20-7-5	Rs. 21-7-8
<i>Loans.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	15,68,65,159	15,66,25,258	15,57,20,010	15,49,82,768	14,60,72,411
10. Redemption and Sinking Funds in hand or invested ...	3,18,38,689	3,25,07,117	3,37,43,520	3,69,77,690	3,26,11,056
11. Net Loan Debt ...	12,50,26,470	12,41,18,141	12,19,76,490	11,80,05,078	11,34,61,355
12. Net Debt per head of population ...	Rs. 107-10-5	Rs. 106-13-11	Rs. 81-14-3	Rs. 79-3-3	Rs. 76-2-6
<i>Expenditure.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Water Works—Maintenance ...	12,68,091	13,77,641	15,33,048	14,12,014	14,71,051
Debt Charges ...	52,32,737	52,84,324	53,74,298	54,12,160	53,41,293
14. Primary Education ...	35,78,572	37,74,475	41,17,900	41,39,770	42,27,020
15. Medical Relief and Education ...	19,51,873	20,72,534	21,11,929	19,34,992	20,62,630
16. Other City services ...	1,44,97,716	1,51,83,316	1,56,61,416	1,57,50,826	1,61,38,332
17. Debt Charges—excluding Water Works...	69,55,361	70,51,748	71,19,815	72,71,759	72,25,122
Total Expenditure Rs. ...	3,34,84,350	3,47,44,038	3,59,18,406	3,59,21,521	3,64,65,448

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.



**APPENDIX No. 2.**

*Revenue Account for the year ended 31st March 1943.*

Particulars.		Total.		Particulars.		Total.	
		Rs.	a. p.			Rs.	a. p.
To Revenue Expenditure as per Appendix No. 4	...	3,64,65,448	1 3	By Revenue Receipts as per Appendix No. 3	...	3,89,01,941	7 8
.. Balance being surplus for the year	...	24,36,493	6 5				
		3,89,01,941	7 8			3,89,01,941	7 8
	Rs. a. p.				Rs. a. p.		
Contribution towards Improvement Schemes during 1943-44	... 26,26,996 9 0			Surplus Revenue Fund as at 1st April 1942	...	63,44,656	15 8
Revenue Expenditure to be incurred in 1943-44 and provided for as renewed grants	... 16,73,000 0 0			Surplus for the year	...	24,36,493	6 5
		42,99,996	9 0	Revenue of previous year renewed for payment of contribution towards Improvement Schemes during 1942-43	... 24,69,485 4 0		
Balance being Surplus Revenue Fund as at 31st March 1943 as per Appendix No. 5	...	78,24,639	1 1	Revenue of previous years reserved for the year 1942-43	... 8,74,000 0 0		
		1,21,24,635	10 1			33,43,485	4 0
						1,21,24,635	10 1

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J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

### Appendix No. 3 INCOME

*Statement showing the Net Receipts during the Financial Year 1942-43 from all sources  
as contrasted with the Original Budget Estimate.*

Particulars.	Budget Estimate for 1942-43.	Revised Estimate for 1942-43.	Actuals for 1942-43.	Actuals for 1941-42.	Compared with the Original Estimate	
					More.	Less.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>1.—General Tax, Indirect Taxation and Miscellaneous Revenue.</b>						
A.—General Tax at 11 per cent.—						
(1) From the Public	1,15,07,800	1,15,18,000	1,15,41,197	1,12,96,955	33,397	...
(2) From Government	7,87,300	7,87,300	10,37,487	3,93,693	2,50,187	...
(3) From Port Trust	8,39,800	8,42,800	8,93,458	8,93,458	53,658	...
(4) For Improvement Schemes Properties	2,07,400	2,06,600	2,29,688	2,24,657	22,288	...
(5) From Mills	6,69,600	6,84,000	6,60,718	6,79,134	...	8,882
(6) From G.I.P. Railway	2,42,800	2,42,800	2,42,758	2,42,758	...	42
(7) From B.B. & C.I. Railway	1,89,600	1,89,700	1,89,653	1,89,653	53	...
	1,44,44,300	1,44,71,200	1,47,94,959	1,39,20,308	3,59,583	8,924
B.—Town Duties—						
(1) Through Port Trust	9,50,000	3,25,000	3,23,952	12,61,977	...	6,26,048
(2) Through G.I.P. Railway	11,50,000	8,75,000	9,42,514	12,22,909	...	2,07,486
(3) Through B.B. & C.I. Railway	3,00,000	9,10,000	9,72,278	4,26,271	6,72,278	...
(4) Election and T.D.O.	1,10,000	1,25,000	1,26,514	1,18,507	16,514	...
	25,10,000	22,35,000	(a) 23,65,258	30,29,664	6,88,792	8,33,534
Deduct—Refunds and Commission charges	10,60,000	11,10,000	(b) 8,82,609	11,81,348	...	1,77,391
	14,50,000	11,25,000	14,82,649	18,48,316	6,88,792	6,56,143
C.—Grant-in-aid of the fees for Land, Conveyance, Music Licences (issued by the Commissioner of Police)	8,500	8,500	2,505	7,110	...	5,995
D.—Grant-in-aid in respect of fines for offences against the Law	1,10,000	1,10,000	1,09,336	1,21,573	...	664
E.—Interest and Profit on Investments of Surplus Loan and other Balances	2,25,000	1,60,000	2,31,112	2,19,817	6,112	...
F.—Interest and Profit on Plant and Machinery Depreciation Fund	67,000	67,000	65,869	76,721	...	1,131
G.—Miscellaneous						
(1) Contribution from Municipal servants towards Pensions etc., Fund	4,000	4,000	4,576	3,970	576	...
(2) Sale proceeds of unserviceable Tools and Plant	100	100	300	25	200	...
(3) Miscellaneous receipts	95,000	1,25,000	1,47,068	1,33,028	52,068	...
(4) Miscellaneous fees	20,000	20,000	18,037	22,387	...	1,963
(5) Rent of buildings and lands	50,000	53,000	62,292	62,751	12,292	...
	1,69,100	2,02,100	2,32,273	2,22,161	65,136	1,963
	1,64,73,900	1,61,43,800	1,69,18,703	1,64,16,006	11,19,623	6,74,820
<b>2.—Water Works.</b>						
Water Tax and other Miscellaneous Water Works Revenue—						
(1) On Ratable Value	38,16,000	38,16,000	38,13,301	37,00,685	...	2,699
(2) By Measurement per 1,000 gallons	49,90,225	51,41,000	51,94,853	47,78,404	2,04,628	...
(3) Rent of Water Meters	75,000	75,000	79,178	76,937	4,178	...
(4) Compounded Tax	1,30,000	1,10,000	1,17,676	1,44,943	...	12,324
(5) Rent of Buildings and Lands	6,000	6,000	5,921	5,016	...	79
	90,17,225	91,48,000	92,10,929	87,05,985	2,08,806	15,102
(6) Miscellaneous— Miscellaneous receipts	22,000	18,000	28,136	24,877	6,136	...
	90,39,225	91,66,000	92,39,065	87,30,862	2,14,942	15,102
<b>3.—Education (Primary).</b>						
Contribution from Government	9,50,000	9,56,000	9,50,750	9,48,795	750	...
Miscellaneous— Miscellaneous receipts	...	1,000	808	2,132	808	...
	9,50,000	9,57,000	9,51,558	9,50,927	1,558	...
<b>4.—Education (Secondary).</b>						
Miscellaneous— Miscellaneous receipts	100	100	137	75	37	...
<b>5.—Public Health Department.</b>						
A.—Interest realised on Donations	75	75	75	75	...	...
B.—Miscellaneous—						
(1) Miscellaneous receipts	4,000	4,000	6,749	4,182	2,749	...
(2) Miscellaneous fees	25,000	26,000	32,259	29,626	7,259	...
(3) Rent of Buildings and Lands	57,500	58,000	59,765	60,180	2,265	...
(4) Sale of rights	1,000	1,500	1,009	1,070	9	...
	87,500	89,500	99,782	95,058	12,282	...
	87,575	89,575	99,857	95,133	12,282	...
Carried forward Rs.	26,550,800	26,356,475	2,72,09,320	2,61,93,003	13,48,442	6,89,922

(a) These are net receipts after deducting Commission charges amounting to Rs. 60,530.

(b) This is exclusive of Commission charges amounting to Rs. 60,530.

## Appendix No. 3—continued.

## INCOME

Statement showing the Net Receipts during the Financial year 1942-43 from all sources as contrasted with the Original Budget Estimate.

Particulars. 1	Budget Estimate for 1942-43. 2	Revised Estimate for 1942-43. 3	Actuals for 1942-43. 4	Actuals for 1941-42. 5	Compared with the Original Estimate	
					More. 6	Less. 7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	2,65,50,800	2,63,56,475	2,72,09,320	2,61,93,003	13,48,442	6,89,922
<b>6.—Medical Relief and Education.</b>						
A.—Interest realised on donations from the Public ...	4,300	4,300	4,376	4,376	76	...
B.—Miscellaneous—						
(1) Miscellaneous receipts ...	800	1,500	2,476	2,415	1,676	...
(2) Miscellaneous fees ...	4,000	4,000	3,286	4,276	...	714
(3) Rent of Buildings and Lands ...	3,000	3,000	2,957	3,635	...	43
	7,800	8,500	8,719	10,326	1,676	757
C.—Receipts from Gordhandas Sunderdas Medical College ...	1,25,000	1,25,000	1,24,030	1,20,171	...	970
D.—Receipts from King Edward Memorial Hospital ...	5,000	5,000	7,069	7,919	2,069	...
E.—Interest realised on Hospital Fund (for Venereal Ward at Kind Edward Memorial Hospital) ...	14,900	14,900	15,312	14,411	412	...
F.—Interest on K. E. M. Hospital and G. S. Medical College Equipment Fund ...	1,700	1,900	2,494	1,925	794	...
G.—Grant-in-aid from Government in respect of Excise Duty etc., for supervision of articles ...	...	...	4,389	...	4,389	...
	1,58,700	1,59,600	1,66,389	1,59,128	9,416	1,727
<b>7.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service.</b>						
A.—Halalkhore Tax—						
(1) On Ratable Value ...	36,60,000	36,60,000	37,44,486	36,04,016	84,486	...
(2) For Special Service ...	1,45,000	1,45,000	1,30,050	1,51,663	...	14,950
	38,05,000	38,05,000	38,74,536	37,55,679	84,486	14,950
B.—Miscellaneous—						
(1) Sale of Rights ...	30,000	30,000	25,123	31,001	...	4,877
(2) Miscellaneous receipts ...	7,000	7,000	5,788	13,228	...	1,212
(3) Miscellaneous fees ...	20,000	44,000	46,357	30,662	26,357	...
(4) Rent of Buildings and Lands ...	66,000	66,000	64,107	64,470	...	1,893
	1,23,000	1,47,000	1,41,375	1,39,361	26,357	7,982
	39,28,000	39,52,000	40,15,911	38,95,040	1,10,843	22,932
<b>8.—Roads, Drains and Sewers.</b>						
A.—Wheel Tax and Government contribution in lieu of Tolls—						
(1) Private conveyances ...	11,55,000	12,13,000	12,47,435	10,81,725	92,435	...
(2) Public conveyances ...	3,50,000	3,50,000	5,41,873	3,63,482	1,91,873	...
(3) Contribution from Government in lieu of Tolls ...	25,000	25,000	25,000	25,000	...	...
	15,30,000	15,88,000	18,14,308	14,70,207	2,84,308	...
B.—Ground Rent—						
(1) From Tramway Co. ...	67,000	67,000	66,944	66,944	...	56
(2) From Telephone Co. ...	67,000	67,000	67,000	65,910	...	...
(3) From Private Parties ...	22,000	20,000	19,709	17,742	...	2,291
	1,56,000	1,54,000	1,53,653	1,50,596	...	2,347
C.—Miscellaneous—						
(1) Miscellaneous receipts ...	1,00,000	1,00,000	88,832	80,071	...	11,168
(2) Miscellaneous fees ...	50,000	50,000	37,558	49,861	...	12,442
(3) Rent of Buildings and Lands ...	32,000	32,000	28,697	30,575	...	3,303
	1,82,000	1,82,000	1,55,087	1,60,507	...	26,913
D.—Interest realised on donations ...	1,850	1,850	1,862	1,881	12	...
	18,69,850	19,25,850	21,24,910	17,83,191	2,84,320	29,260
<b>9.—Mechanical.</b>						
Miscellaneous—						
Miscellaneous receipts ...	50,000	1,20,000	1,14,959	84,999	64,959	...
<b>10.—Buildings, Land Acquisition and Management.</b>						
A.—Sale proceeds of Surplus Land ...	10,00,000	10,00,000	10,00,000	10,00,000	...	...
B.—Rent of Buildings ...	37,000	37,000	39,870	44,278	2,870	...
C.—Ground Rent ...	2,25,000	2,03,000	2,10,148	2,20,556	...	14,852
D.—Miscellaneous—						
(1) Sale of Rights and Miscellaneous Receipts ...	8,000	8,000	4,988	8,588	...	3,012
(2) Miscellaneous fees ...	2,25,000	2,25,000	2,00,344	2,38,579	...	24,656
	14,95,000	14,73,000	14,55,350	15,12,001	2,870	42,520
Carried forward Rs. ...	3,40,52,350	3,39,86,925	3,50,86,839	3,36,27,362	18,20,850	7,86,361

**Appendix No. 3—Concluded.**  
**INCOME.**

*Statement showing the Net Receipts during the Financial year 1942-43 from all sources  
as contrasted with the Original Budget Estimate.*

Particulars.	Budget Estimate for 1942-43.	Revised Estimate for 1942-43.	Actuals for 1942-43.	Actuals for 1941-42.	Compared with the Original Estimate	
					More.	Less.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>11.—Fire Brigade.</b>	3,40,52,350	3,39,86,925	3,50,86,839	3,36,27,362	18,20,850	7,86,361
<b>Brought over Rs.</b>						
<b>A.—Fire Tax at half per cent.—</b>						
(1) From the Public	5,23,300	5,23,300	4,98,551	5,13,766	...	24,749
(2) From Government	35,800	35,800	47,159	17,895	11,359	...
(3) From Port Trust	98,100	38,200	40,612	40,612	2,512	...
(4) For Improvement Schemes Properties	9,400	9,400	10,435	10,212	1,035	...
(5) From Mills	30,400	31,000	51,519	30,925	21,119	...
(6) From G. I. P. Railway	11,100	11,100	11,035	11,035	...	65
(7) From B.B. & C.I. Railway	8,600	8,700	8,623	8,623	...	...
	6,56,700	6,57,500	6,67,934	6,33,067	36,048	24,814
<b>B.—Miscellaneous—</b>						
Miscellaneous receipts	9,000	19,000	27,090	15,919	18,090	...
	6,65,700	6,76,500	6,95,024	6,48,986	54,138	24,814
<b>12.—Licensing and Removal of Encroachments on Public Streets.</b>						
<b>A.—Licences for Dangerous and Offensive Trades</b>	2,15,000	2,15,000	2,30,478	9,25,986	15,478	...
<b>B.—Removal of encroachment on Public Streets—</b>						
Licences for Squatters and Hawkers and fees for Removal of Encroachments	1,70,000	1,60,000	1,63,463	1,70,673	...	6,537
<b>C.—Miscellaneous—</b>						
(1) Miscellaneous receipts	500	600	945	969	445	...
(2) Advertisements	1,00,000	1,00,000	1,18,715	1,13,880	18,715	...
(3) Grant in aid from Government for the Administration of Shops & Establishment Act of 1939.	...	...	33,836	...	33,836	...
	1,00,500	1,00,600	1,53,496	1,14,849	52,996	...
	4,85,500	4,75,600	5,47,437	5,11,508	68,474	6,537
<b>13.—Gardens and Open Spaces.</b>						
<b>Miscellaneous—</b>						
(1) Miscellaneous receipts	100	300	484	446	384	...
(2) Rent of Buildings and Lands	51,200	51,000	50,928	50,947	...	272
	51,300	51,300	51,412	51,393	384	272
<b>14.—Markets and Slaughter Houses.</b>						
<b>Miscellaneous—</b>						
(1) Stall rents	3,35,000	3,35,000	3,45,357	3,35,442	10,357	...
(2) Squatters' fees	1,64,000	1,64,000	1,80,184	1,67,991	16,184	...
(3) Fair ground and feeding fees	1,40,000	1,50,000	1,50,000	1,40,500	10,000	...
(4) Slaughter fees	5,30,000	6,00,000	6,72,408	5,62,328	1,42,408	...
(5) Miscellaneous receipts	1,35,000	1,35,000	1,31,017	1,35,284	...	3,983
(6) Rent of Buildings and Lands	20,000	20,000	20,841	20,561	841	...
(7) Cold Storage rent	14,000	25,000	32,534	18,578	18,534	...
(8) Receipts on account of the Administration of the Weights and Measures Act	...	...	Dr. 12,074	...	...	12,074
	13,38,000	14,29,000	15,20,267	13,80,684	1,98,324	16,057
<b>15.—Contribution from Capital Funds to Revenue on account of Loan Works Staff</b>	1,40,000	1,28,000	70,564	90,893	...	69,436
<b>16.—Extraordinary Receipts.</b>						
(a) Interest on Net Premia Fund and excess interest on Sinking Fund	1,40,000	1,22,255	1,29,872	1,34,510	...	10,128
(b) Refund of excess amount paid to the Improvement Schemes Account on account of contribution from the Municipal Corporation	...	6,27,745	6,27,745	...	6,27,745	...
<b>17.—Rebate from Government on account of Collection of the Urban Immovable Property Tax in the City</b>	1,64,000	1,64,000	1,72,781	1,80,666	8,781	...
<b>18.—Excess accumulation in the Plant and Machinery Depreciation Fund</b>	...	...	...	1,40,201	...	...
<b>Total Income</b>	3,70,36,850	3,76,61,325	3,89,01,941	3,67,66,203	27,78,696	9,13,605

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 4.**  
**EXPENDITURE.**

*Statement showing the Actuals as compared with the Final Grants for 1942-43.*

Particulars.	Final grants sanctioned for expenditure during 1942-43.	Actuals for 1942-43.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1941-42.
			Amount required to be renewed in 1943-44.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>I.—General Supervision, Collection of Revenue, etc.</b>					
A.—General Superintendence					
(a) Corporation and Standing Committee	1,27,582	1,17,022	6,082	4,478	1,15,479
(b) Chief Auditor's Establishment	53,161	52,871	117	173	50,028
(c) Municipal Commissioner's Personal and General Office	1,23,798	1,16,516	6,334	948	1,11,165
(d) Audit and Accounts	2,41,304	2,40,050	790	464	2,31,120
	5,45,845	5,26,459	13,323	6,063	5,07,792
B.—Collection of Revenue—					
(a) Property and Wheel Tax Establishment	6,42,207	6,30,432	2,280	9,495	6,19,914
(b) Town Duty Refund Branch	1,55,720	1,41,259	5,760	8,701	1,42,678
	7,97,927	7,71,691	8,040	18,196	7,62,592
C.—Upkeep of Municipal Head Office	39,637	31,693	3,453	4,491	27,876
D.—General Stores	81,595	76,290	940	4,365	75,905
E.—Miscellaneous Charges	1,13,683	92,737	11,226	9,720	99,089
F.—Election Expenses	3,38,061	46,910	630	2,90,521	43,854
New Works	32,459	2,695	14,602	15,162	3,400
Debt Charges	30,171	29,723	7	441	33,560
	19,79,378	15,78,198	52,221	3,48,959	15,54,068
Deduct—Proportionate share debitable to Water Works, Fire Brigade, Markets and Improvement Schemes Account and Schools Fund Account	5,03,004	4,24,208	9,541	69,255	4,14,407
	14,76,374	11,53,990	42,680	2,79,704	11,39,661
<b>II.—Water Works.</b>					
A.—Establishment and Labour	5,79,666	5,52,875	4,300	22,491	5,49,137
B.—Repairs and Maintenance	3,50,779	2,67,671	68,040	15,068	2,48,931
C.—Meters	28,055	21,291	4,445	2,319	31,915
D.—Miscellaneous	2,66,312	2,15,454	42,933	7,925	1,88,398
E.—Depreciation	3,521	2,841	...	680	1,988
Provident Fund and Pension, etc., charges	1,10,905	1,02,619	621	7,665	1,01,464
Proportion of General Supervision and Collection of Revenue	3,36,428	2,86,096	6,206	44,126	2,80,714
New Works	33,130	22,204	3,633	7,293	9,467
Debt Charges	54,74,468	53,41,293	96,642	36,533	54,12,160
	71,83,264	68,12,344	2,26,820	1,44,100	68,24,174
<b>III.—Education (Primary).</b>					
Municipal Institutions	46,35,450	42,27,020	93,272	3,15,158	41,39,620
New Works	2,162	...	...	2,162	150
Debt Charges	1,87,909	1,84,802	350	2,757	1,94,344
	48,25,521	44,11,822	93,622	3,20,077	43,34,114
<b>IV.—Education (Secondary).</b>					
Municipal Institutions	34,545	14,751	10,694	9,100	15,456
<b>V.—Public Health Department.</b>					
A.—General Supervision	5,31,479	5,10,388	5,096	15,995	5,16,408
B.—Epidemics	27,672	22,330	134	5,208	21,621
C.—Vaccination	68,755	64,654	1,810	2,291	64,169
D.—Malaria	2,34,346	2,26,755	2,276	5,315	2,17,584
E.—Miscellaneous—					
(a) Cemeteries	19,155	17,368	362	1,425	13,370
(b) Laboratory	24,390	22,966	942	482	23,424
(c) Mahaluxmi Dhobiwada	44,161	41,414	1,716	1,031	45,582
(d) Dharmshalas	1,330	756	448	126	530
(e) Destruction of dogs	7,345	6,012	270	1,063	5,523
Public Health, Carried over Rs.	9,58,633	9,12,643	13,054	32,936	9,08,211
Carried over Rs.	1,35,19,704	1,23,92,907	3,73,816	7,52,981	1,23,13,405

## Appendix No. 4.—Continued.

## EXPENDITURE.

Particulars.	Final grants sanctioned for expenditure during 1942-43.	Actuals for 1942-43.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1941-42.
			Amount required to be renewed in 1943-44.	Savings.	
	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Rs. ...	1,35,19,704	1,23,92,907	3,73,816	7,52,981	1,23,13,405
Public Health—Brought forward ...	9,58,633	9,12,643	13,054	32,936	9,08,211
F.—Medical Inspection of School children including the Dental Clinic ...	39,927	38,087	90	1,750	36,754
G.—Supply of milk to the needy children attending Municipal Schools ...	55	55	...	...	6,350
H.—Census ...	...	...	...	...	6,500
New Works ...	17,452	4,419	9,487	3,546	1,953
Debt Charges ...	59,664	54,868	287	4,509	52,295
	10,75,731	10,10,072	22,918	42,741	10,12,063
<b>VI.—Medical Relief and Education.</b>					
<b>A.—Hospitals and Dispensaries—</b>					
<b>(a) Infectious Diseases Hospitals—</b>					
I.—Establishment ...	9,490	9,418	...	72	8,626
II.—Arthur Road Hospital for Infectious Diseases ...	2,54,824	2,11,788	21,953	21,083	1,97,096
III.—Ramesh Premchand Hospital ...	71,663	67,206	1,928	2,529	62,195
	3,35,977	2,88,412	23,881	23,684	2,67,917
(b) Maternity Homes ...	1,27,728	1,18,868	4,258	4,602	1,15,785
(c) Dispensaries for out-patients ...	1,04,730	98,465	1,583	4,682	77,794
	5,68,435	5,05,745	29,722	32,968	4,61,496
B.—Medical and Nursing Assistance to Poor People in their Houses ...	459	235	...	224	262
C.—Statutory Contribution to Government Medical Institutions ...	4,14,500	4,14,500	...	...	4,14,500
D.—Anti-Tuberculosis League Dispensary ...	1,18,015	1,08,274	2,320	7,421	98,910
E.—League for combating Venereal Diseases ...	35,765	34,464	143	1,158	30,674
F.—Hospital for treatment of cases of Leprosy in Compound of A. L. Asylum ...	3,500	3,250	...	250	3,000
G.—King Edward VII Memorial Hospital ...	7,96,001	7,22,935	34,005	39,061	6,45,884
H.—Gordhandas Sunderdas Medical College ...	2,95,066	2,68,316	13,892	12,858	2,71,999
New Works ...	29,261	4,911	19,346	5,004	8,267
Debt Charges ...	4,65,877	4,56,851	2,657	6,369	4,46,639
	27,26,879	25,19,481	1,02,085	1,05,313	23,81,631
<b>VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service.</b>					
<b>A.—Street Cleansing and Conservancy—</b>					
(a) Superintendence and Inspection ...	2,32,308	2,08,651	7,639	16,018	2,15,007
(b) Veterinary ...	37,466	35,069	432	1,965	36,620
(c) Street Cleansing and Sanitation—					
(a) Scavenging ...	11,56,645	11,18,700	24,545	13,400	11,15,853
(b) Road Scraping ...	85,004	80,890	2,685	1,429	81,060
(d) Gully Flushing ...	1,22,307	1,17,835	2,088	2,384	1,15,307
	16,33,730	15,61,145	37,389	35,196	15,63,847
(e) Removal of Town Refuse to Tardeo for transport to Deonar—					
(1) Bullock Traction ...	2,96,984	2,36,443	32,228	28,313	2,01,007
(2) Incineration ...	2,080	1,168	70	842	1,923
(3) Loading Siding ...	1,34,443	79,079	53,348	2,016	86,882
	4,33,507	3,16,690	85,646	31,171	2,89,812
(f) Miscellaneous ...	1,21,005	1,03,632	6,543	10,830	1,07,102
	21,88,242	19,81,467	1,29,578	77,197	19,60,761
B.—Transport of refuse, etc., to Deonar ...	2,77,067	2,39,467	8,693	28,907	2,31,859
C.—Road Watering ...	17,000	14,774	63	2,163	14,014
D.—Halalkhore Service—					
(a) Cleansing and Sanitation ...	2,21,130	2,11,238	5,142	4,750	2,19,381
(b) Bullock Traction ...	63,621	54,984	1,622	7,015	36,740
(c) Miscellaneous ...	1,04,939	69,576	23,786	11,577	68,474
	3,89,690	3,35,798	30,550	23,342	3,24,595
New Works ...	45,309	11,563	17,716	16,030	4,719
Debt Charges ...	4,07,139	3,90,659	8,048	8,432	3,84,099
	33,24,447	29,73,728	1,94,648	1,56,071	29,20,047
Carried over Rs. ...	2,06,46,761	1,88,96,188	6,93,467	10,57,106	1,86,27,146

## Appendix No. 4—Continued.

## EXPENDITURE.

Particulars.	Final grants sanctioned for expenditure during 1942-43.	Actuals for 1942-43.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1941-42.
			Amount required to be renewed in 1943-44.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Re. ...	2,06,46,761	1,88,96,188	6,93,467	10,57,106	1,86,27,146
<b>VIII.—Roads, Drains and Sewers.</b>					
A.—General	1,81,210	1,62,736	1,965	16,509	1,78,976
B.—Maintenance of Roads	10,75,647	8,25,981	49,879	1,99,787	10,72,736
C.—Public Lighting	10,96,226	10,50,955	21,597	23,674	10,74,299
D.—Cleansing of Drains and Sewers and Street connections	3,79,919	3,30,427	7,961	41,531	3,51,672
E.—Rebate on account of the compounded Wheel Tax	1,74,000	1,72,983	886	131	1,12,761
	29,07,002	25,43,082	82,288	2,81,632	27,90,444
New Works	59,891	39,206	6,692	13,993	17,144
Debt Charges	37,88,609	36,51,473	73,463	63,673	37,41,271
	67,55,502	62,33,761	1,62,443	3,59,298	65,48,859
<b>IX.—Mechanical.</b>					
A.—Mechanical Engineer's Office Establishment	67,833	62,326	933	4,574	62,698
B.—Pumping Compressor Stations—					
(a) Inspection and Supervision—	11,971	11,906	...	65	7,409
(b) Pumping Stations in the City—					
(i) Pumping Station, Love Grove	1,60,293	1,45,768	579	13,946	1,39,750
(ii) Pumping Station, Parel, Poibavdi	5,394	3,954	...	1,440	4,313
(iii) Pumping Station, Arthur Road	7,821	6,728	...	1,093	6,800
(iv) Pumping Station, Sewri	5,985	3,509	...	2,476	3,357
(v) Pumping Station, Dadar Purification Works	...	...	...	...	17,938
(vi) Pumping Station, Tank Bunder	7,061	5,689	...	1,372	5,204
(vii) Pumping Station, Matunga	33,214	30,212	211	2,791	31,795
(viii) Pumping Station, Mahim	17,117	16,473	...	644	16,687
(ix) Pumping Station, Sion-Koliwada	3,167	2,002	...	1,165	1,706
(x) Pumping Station, Sewri-Wadala	13,846	6,219	984	6,643	4,087
(xi) Pumping Station, Jacob Circle	10,428	2	250	10,176	...
(xii) Pumping Station, Dharavi	3,559	2,950	7	602	2,718
(c) Purification Works	1,24,259	90,972	1,849	31,438	75,615
(d) Compressor Stations in the City—					
(i) Compressor Station, Colaba	41,272	37,025	10	4,237	42,539
(ii) Compressor Station, Victoria Gardens, Fergusson Road and Warden Road	1,34,460	1,25,759	674	8,027	1,26,049
(e) Flood Gates	5,850	3,485	...	2,365	2,926
	5,85,697	4,92,653	4,564	88,480	4,88,893
C.—Supervision of Factories, Workshops and Workplaces	10,928	10,906	...	22	12,286
D.—Transport—					
(1) Inspection and Supervision	15,708	15,684	...	24	15,798
(2) Upkeep of Motor Cars of His Worship the Mayor, Committee Members and the Municipal Commissioner—					
(1) Upkeep of Motor Car of His Worship the Mayor	3,479	2,578	...	901	2,982
(2) Upkeep of Motor Car of the Committee Members	1,647	1,111	...	536	1,642
(3) Upkeep of Motor Car of the Municipal Commissioner	4,460	4,296	...	164	3,490
(3) Upkeep of S. S.'s Motor	1,576	1,441	...	135	832
(4) Upkeep of H. O.'s Motor	4,451	4,409	...	42	4,255
(5) Upkeep of Motor Hearses	6,488	5,815	...	673	5,094
(6) Upkeep of Motor Ambulances	15,691	13,895	...	1,796	12,464
(7) Removal of Town Refuse to Tardeo for Transport to Deonar	5,28,895	5,09,143	6,200	13,552	5,45,082
(8) Upkeep of motor silt wagons	23,084	22,174	73	837	31,733
(9) Halalkhore service	35,814	33,628	60	2,126	34,567
(10) Removal of Encroachments on Public Streets	11,116	10,096	...	1,020	...
(i1) Markets and Slaughter Houses—					
(1) Disposal of offal	22,341	20,324	30	1,987	12,651
(2) Meat carriage	1,02,202	98,623	...	3,579	98,321
	1,24,543	1,18,947	30	5,566	1,10,972
	7,76,952	7,43,217	6,363	27,372	7,68,911
E.—Refrigerator	19,589	19,213	...	376	17,714
F.—Oiling and Greasing Surplus Machinery	100	...	...	100	...
New Works	13,282	2,690	3,705	6,887	948
Debt Charges	1,72,157	1,64,701	3,738	3,718	1,63,255
	16,46,538	14,95,706	19,303	1,31,529	15,14,705
Carried over Rs. ...	2,90,48,801	2,66,25,655	8,75,213	15,47,933	2,66,90,710

## Appendix No. 4—Concluded.

## EXPENDITURE.

Particulars.	Final grants sanctioned for expenditure during 1942-43.	Actuals for 1942-43.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1941-42.
			Amount required to be renewed in 1943-44.	Savings.	
1	2	3	4	5	6
Brought forward Rs. ...	Rs. 2,90,48,801	Rs. 2,66,25,655	Rs. 8,75,213	Rs. 15,47,933	Rs. 2,66,90,710
<b>X.—Buildings, Land Acquisition and Management.</b>					
A.—City Engineer's Central Office Establishment ...	1,02,056	92,409	668	8,979	99,344
B.—Inspection and Supervision of Private Buildings ...	2,37,045	2,23,162	1,632	12,251	2,43,780
C.—Architectural ...	92,336	80,955	709	10,672	84,631
D.—Land Acquisition and Management ...	79,115	52,643	15,223	11,249	59,267
	5,10,552	4,49,169	18,232	43,151	4,87,022
Deduct—Proportionate share of cost of Establishment, and Supervision chargeable to Improvement Schemes	50,000	Dr. 8,593	...	Dr. 41,407	12,989
	4,60,552	4,40,576	18,232	1,744	4,74,033
New Works	2,800	2,582	217	1	...
Debt Charges	18,26,612	18,09,611	14,051	2,950	18,07,709
	22,89,964	22,52,769	32,500	4,695	22,81,742
<b>XI.—Fire Brigade.</b>					
Maintenance ...	3,33,885	3,04,126	14,059	15,700	3,16,239
Provident Fund and Pension, etc., charges ...	89,984	86,482	3,280	222	81,779
Proportion of General Supervision and Collection of Revenue ...	27,554	23,518	498	3,538	23,077
New Works ...	8,439	2,508	951	4,980	673
Debt Charges ...	67,951	67,943	2	6	71,739
	5,27,813	4,84,577	18,790	24,446	4,93,507
<b>XII.—Licensing and Removal of Encroachments on Public Streets.</b>					
A.—Licensing Establishment ...	1,01,312	99,229	1,185	898	99,942
B.—Removal of Encroachment on Public Streets ...	45,030	43,045	468	1,517	52,827
C.—Administration of Shops and Establishment Act 1939 ...	47,468	45,213	564	1,691	38,290
New Works ...	1,339	...	...	1,339	328
	1,95,149	1,87,487	2,217	5,445	1,91,387
<b>XIII.—Gardens and Open Spaces.</b>					
A.—Gardens—					
(a) Victoria Gardens ...	1,31,887	1,13,395	10,044	8,448	1,13,001
(b) Miscellaneous Gardens, Open Spaces, Band Stands, etc. ...	53,007	46,221	2,204	4,582	44,985
	1,84,894	1,59,616	12,248	13,030	1,57,986
B.—New Gardens, Recreation Grounds, etc. ...	7,787	6,926	300	561	6,486
New Works ...	15,986	548	15,267	171	850
Debt Charges ...	2,16,953	2,16,761	185	7	2,17,380
	4,25,620	3,83,851	28,000	13,769	3,82,702
<b>XIV.—Markets and Slaughter Houses.</b>					
A.—Markets and Slaughter Houses—					
(a) Central Office ...	40,901	40,320	...	581	38,982
(b) Municipal Markets ...	2,05,641	1,67,269	15,860	22,512	1,69,318
(c) Slaughter Houses ...	1,53,418	1,38,332	12,874	2,212	1,08,065
(d) Administering Weights and Measures Act ...	...	...	...	...	1,243
	3,99,960	3,45,921	28,734	25,305	3,17,608
Provident Fund and Pension, etc., charges ...	26,768	23,948	894	1,926	22,840
Proportion of General Supervision ...	28,738	19,393	1,105	8,240	18,948
New Works ...	21,388	5,681	4,883	10,824	10,881
Debt Charges ...	1,99,414	1,97,730	...	1,684	1,59,469
	6,76,268	5,92,673	35,616	47,979	5,29,746
<b>XV.—Contribution towards Improvement Schemes</b>	36,73,200	24,69,485	...	12,03,715	36,88,944
<b>XVI.—Provident Fund, Pensions, Gratuities and Compassionate Allowances.</b>					
A.—Provident Fund ...	4,87,000	4,50,486	...	36,514	4,55,681
B.—Pensions, Gratuities, etc. ...	6,48,790	6,10,535	11,593	26,662	6,11,742
	11,35,790	10,61,021	11,593	63,176	10,67,423
<b>XVII.—Urban Immovable Property Tax (on Municipal Properties in the City)</b>	71,000	47,839	2,000	21,161	53,985
<b>XVIII.—Grain Compensation</b>	13,51,603	9,72,830	50,000	3,28,773	3,08,010
<b>XIX.—Grants-in-aid to Public Institutions</b>	2,69,783	2,12,700	55,396	1,687	2,33,365
<b>XX.—Measures for Civil Defence</b>	22,33,270	11,55,548	5,55,688	5,22,034	...
<b>XXI.—Extraordinary measures—Removal of debris etc from the fallen Building at Jamshedji Tata Road</b>	25,000	19,013	5,987	...	...
Total ...	4,19,23,261	3,64,65,448	16,73,000	37,84,813	3,59,21,521

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.



## APPENDIX No. 4A.

Statement showing the actuals for Measures for Civil Defence as Compared with the Final Grants for 1942-1943.

Item	Particulars.	Final grants sanctioned for expenditure during 1942-43.	DETAILS OF ACTUALS		Total expenditure up to 31-3-43.	Amount required to be renewed during 1943-44.	Savings.
			1941-42.	1942-43.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	<b>ARTICLE I</b>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	(Government will bear the entire cost of the following items).						
(i)	Staff appointed to work out the Water Rationing Scheme ...	14,700	4,136	11,785	15,921		
(ii)	(1) Provision of static tanks for fire-fighting purposes ...	3,32,850	...	2,52,608	2,52,608		
	(2) Maintenance and upkeep of static tanks ...	2,000	...	76	76		
	(3) Compensation for lands requisitioned for static tanks ...	288	...	288	288		
	(4) Raising the existing barbed wire fencing etc., of static tanks ...	8,835	...	4,584	4,584		
	Total ...	3,43,973	...	2,57,556	2,57,556		
(iii)	Organisation of Rest Camps. Under City Engineer.						
	(1) Construction of blast and splinter proof walls Under Director of Rest Camps. ...	26,644	...	17,200	17,200		
	(2) Cost of Rest Camps ...	20,000	...	17,474	17,474		
	Total ...	46,644	...	34,674	34,674		
(iv)	AUXILIARY FIRE SERVICE Under City Engineer.						
	(1) Construction of blast and splinter proof walls ...	61,102	2,225	37,504	39,729		
	(2) Providing electric lights, etc., at Byculla Terrace ...	1,171	...	439	* 439		
	(3) Colour washing at Byculla Terrace ...	851	...	680	* 680		
	(4) Construction of R.C.C. Cisterns for drill purposes at Naigaum Fire Brigade Station at an estimated cost of Rs. 628 (proportionate cost provided here) ...	314	...	...	...		
	(5) Asbestos sheets for A.R.P. sheds ...	1,423	...	1,378	1,378		
	(6) Structural protection to the buildings requisitioned for A.F.S. personnel at (1) Shivaji Park; (2) Chawl No. 7, Tejukaya Estate; (3) Byculla Terrace, Haines Road; (4) Tardeo Mansion No. II, Chakati Wadi and (5) Boyce House, Gowalia Tank ...	4,723	...	2,196	2,196		
	(7) Providing a stand-post hydrant at Chaktiwadi, Tardeo ...	280	...	165	165		
	(8) Providing bamboo matting to A.F.S. shed at Memonwada ...	362	...	150	150		
	Under O. C. F. S.						
	(9) Cost on account of recurring charges of Auxiliary Fire Service staff ...	1,02,717	...	1,02,520	† 1,02,520		
	(10) Cost in connection with compensation payable for premises requisitioned for accommodating fire appliances and crews ...	8,150	...	7,095	* 7,095		
	(11) Cost of separate Telephone line installed at the Central Fire Brigade Station at Byculla at an estimated cost of Rs. 192 (Moiety of cost provided here) ...	96	...	96	96		
	(12) Cost of deputation of the O. C. F. S. in connection with his visit to Calcutta ...	462	...	449	449		
	Total ...	1,81,651	2,225	1,52,672	1,54,897		
(v)	Rescue Service ...	...	...	...	...		
(vi)	Provision of extra beds at hospitals (including K.E.M. Hospital) ...	2,800	...	688	688		
(vii)	Supply and distribution of sand bags ...	1,24,950	4,690	41,695	46,385		
(viii)	Survey for the purpose of giving advice to owners regarding protection of private buildings ...	1,50,210	...	1,30,838	1,30,838		
(ix)	Fire Brigade equipment ...	...	...	...	...		
(x)	Provision of aids to movement in darkened streets ...	4,34,000	1,125	2,42,792	2,43,917		
(xi)	Civilian war deaths organization and recording and notification of casualties ...	...	...	...	...		
(xii)	First Aid Posts—						
	(1) Construction of blast and splinter proof walls ...	10,275	...	5,575	5,575		
	(2) First Aid Post for animals and store-room for A.R.P. equipments at Bandra Slaughter House ...	416	...	...	...		
	(3) Construction of a temporary garage for the First Aid Mobile post at the K.E.M. Hospitals ...	2,614	...	2,273	2,273		
	(4) Sand bags walling for first-aid posts on behalf of Government ...	15,000	...	...	...		
	Total ...	28,305	...	7,848	7,848		
	Article I—Carried over ...	13,27,233	12,176	8,80,548	8,92,724		

† This includes amount of Rs. 9,386-12-0 chargeable to B.P.T.

\* Includes moiety of cost chargeable to Municipality.

## Appendix No. 4A—contd.

## Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1942-43.	DETAILS OF ACTUALS		Total expenditure up to 31-3-43.	Amount required to be renewed during 1943-44.	Savings.
			1941-42.	1942-43.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Brought forward ...	Rs. 13,27,233	Rs. 12,176	Rs. 8,80,548	Rs. 8,92,724	Rs.	Rs.
(xiii)	Ambulance vehicles, etc. (convoys) ...	...	...	...	...		
(xiv)	Evacuation ...	15,600	...	...	...		
(xv)	Miscellaneous works carried out on behalf of Government—						
	(a) Protection of Warden's Post, distribution of materials, such as A.R.P. Hints, Boards, etc. ...	70,000	1,006	15,471	16,477		
	(b) Construction of blast and splinter proof walls at C.I.T. Quarters occupied by Police ...	14,000	...	8,563	8,563		
	(c) Cost on account of running trolley placed at the disposal of District Superintendent of Police, Bombay Suburban District in connection with safeguarding the City's water supply ...	2,070	320	1,203	1,523		
	(d) Providing Fire breaks ...	352	...	352	352		
	Total ...	86,422	1,326	25,589	26,915		
(xvi)	Fire Watching Organisation ...	86,516	...	65,553	*65,553		
	Total—Article I ...	15,15,771	13,502	9,71,690	9,85,192		
	<b>ARTICLE II</b> (The Municipality will bear the entire cost of the following items)						
(i)	Protection of Municipal property, except water supply, sewerage and fire stations "Municipal Property" includes buildings of which the Municipality is the landlord in so far as it is liable qua landlord—						
	(1) Construction of blast and splinter proof walls ...	3,09,471	...	2,11,171	2,11,171	20,000	78,300
	(2) Providing silt trenches at Victoria Gardens ...	269	...	266	266	...	3
	(3) Extra-allowance to peons in City Engineer's Department ...	49	...	48	48	...	1
	(4) Cost of staff appointed in Chief Accountant's Department ...	5,320	...	5,312	5,312	...	8
	(5) Cost of a Head Clerk's post in Architectural Branch ...	1,320	...	1,312	1,312	...	8
	(6) A.R.P. Measures at Municipal Schools ...	2,500	...	2,480	2,480	...	20
	(7) Construction of baffle walls, etc., for Municipal buildings let to tenants and Municipal Markets, Schools, etc. ...	50,000	...	...	...	...	50,000
	(8) War Risk Insurance in respect of Municipal Plant and Machinery ...	50,658	...	50,638	50,638	...	20
	(9) Telephone Attendants at Ward Offices ...	14,000	...	9,704	9,704	...	4,296
	(10) Special pay to Temporary Assistant Engineer, II Grade (A.R.P.) ...	1,200	...	1,129	1,129	...	71
	(11) Labour on A.R.P. works ...	40,000	...	39,789	39,789	...	211
	(12) Clothing for 25 drivers provided under labour above ...	...	...	...	...	...	...
	(13) Contingencies (Printing, Stationery, etc.) ...	...	...	...	...	...	...
	Total ...	4,74,787	...	3,21,849	3,21,849	20,000	1,32,938
(ii)	Materials including plant equipment (excluding fire brigade equipment) which will be of use to the Municipality after the termination of the war, whether or not it costs more to purchase at the present time—						
	(1) Protection of sewerage system—						
	(a) Materials ...	1,50,000	4	42,745	42,749	1,07,250	1
	(b) Purchase of coal ...	7,500	...	...	...	7,500	...
	(c) Machinery for Compressor Stations ...	1,00,000	...	20	20	99,980	...
	(2) Protection of City's Water Supply (out of the Revised Estimates of Rs. 5,03,915) ...	49,719	...	10,868	10,868	38,851	...
	(3) Transport scheme ...	97,000	...	33,456	33,456	63,544	...
	(4) Purchase of Safe for keeping documents ...	1,705	...	1,705	1,705	...	...
	(5) Purchase of materials from Messrs. Shivlal & Chimanlal ...	14,314	...	14,028	14,028	...	286
	(6) Purchase of typewriter for Hydraulic Engineer's Department ...	575	...	575	575	...	...
	(7) Purchase of two pieces of hose pipes for petrol pump ...	2,230	...	2,230	2,230	...	...
	(8) Purchase of empty drums for storing petrol ...	800	...	800	800	...	...
	(9) Purchase of 3 H.P. Motors for Dadar Purification Works ...	2,145	...	2,145	2,145	...	...
	(10) Supply of petrol tanks and mounting them on chassis ...	7,110	...	7,050	7,050	60	...
	(11) A.R.P. requirements at K.E.M. Hospital ...	37,300	720	18,272	18,992	...	18,308
	(12) Purchase of 100 cycles ...	9,300	...	4,604	4,604	...	4,696
	(13) Purchase of additional 100 cycles and stirrup pumps ...	12,800	...	8,742	8,742	4,058	...
	(14) Cost of 800 hobbles for securing animals ...	600	...	...	...	...	600
	(15) Purchase of crowbars for Victoria Gardens ...	201	...	201	201	...	...
	(16) Scantling for lions' cages at Victoria Gardens ...	3,309	...	...	...	...	3,309
	Total ...	4,96,608	724	1,47,441	1,48,165	3,21,243	27,200
	Article II—Carried over ...	9,71,395	724	4,69,290	4,70,014	3,41,243	1,60,138
	Carried over ...	15,15,771	13,502	9,71,690	9,85,192	...	...

\* This includes amount of Rs. 27,786-5-3 debited to Advances-sundries-miscellaneous, advances.

## Appendix No. 4A—continued.

## Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1942-43.	DETAILS OF ACTUALS		Total expenditure up to 31-3-43.	Amount required to be renewed during 1943-44.	Savings.
			1941-42.	1942-43.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Brought forward ...	Rs. 15,15,771	Rs. 13,502	Rs. 9,71,690	Rs. 9,85,192	Rs. ...	Rs. ...
(iii)	Article II—Brought forward ...	9,71,395	724	4,69,290	4,70,014	3,41,243	1,60,138
	Equipment of Municipal personnel, e.g., steel helmets, respirator badges, etc.— <i>Under City Engineer.</i>						
	(1) Steel helmets, replacing damaged badges and embossing Municipal Crest Dye on badges, etc. ...	54,568	...	43,921	43,921	9,393	1,254
	<i>Under Hydraulic Engineer.</i>						
	(2) 1,300 Armlets, etc., for the Hydraulic Engineer's staff ...	525	...	506	506	19	...
	Total ...	55,093	...	44,427	44,427	9,412	1,254
(iv)	Lighting restrictions ...	...	...	...	...	...	...
(v)	Measures for the protection of Municipal staff, excluding structural protection and rent of buildings requisitioned for the period of the war in connection with Municipal purposes, e.g., for housing Municipal staff Conveyance charges to Municipal officers for taking First Aid Classes ...	300	...	6	6	...	294
	Total—Article II ...	10,26,788	† 724	5,13,723	5,14,447	3,50,655	1,61,686
	<b>ARTICLE III</b> <i>(Government and the Municipality will share equally the cost of the following items, excluding vide Article II (ii); the cost of certain plant and equipment which will be of use to the Municipality after the war).</i>						
(i)	Structural protection of water supply—						
	(1) Structural protection of vital structures (out of the revised estimates of Rs. 5,03,915) ...	50,881	...	44,156	44,156	3,362	...
	(2) Recurring charges (out of the revised estimates of Rs. 5,03,915) ...	73,000	...	51,352	51,352	10,824	...
	(3) Extra allowance to employees of water works for A.R.P. work outside office hours during March and April 1942 ...	30	...	27	27	...	1
	Total ...	1,23,911	...	95,535	95,535	14,186	1
(ii)	Structural protection of sewerage—						
	(1) Protective measures at pumping, etc., stations (construction of blast and splinter proof walls out of the estimates of Rs. 5,68,560) ...	1,04,060	68	25,854	25,922	20,000	19,069
	(2) Bye-pass connections (out of the estimates of Rs. 5,68,560) ...	20,000	1,192	2,663	3,855	50	8,022
	(3) Establishment cost on account of Telephone Attendants at Municipal Workshops ...	1,705	...	1,140	1,140	75	207
	Total ...	1,25,765	1,260	29,657	30,917	20,125	27,298
(iii)	Structural protection of Fire Brigade Stations—						
	(1) Protective works against blasts and splinters ...	49,692	551	25,596	26,147	2,500	9,273
	(2) Cost of a separate telephone exchange line installed at Central Fire Brigade Station at a cost of Rs. 192 (moiety of cost provided here) ...	96	...	48	* 48	...	...
	Total ...	49,788	551	25,644	26,195	2,500	9,273
(iv)	Structural protection and rent of buildings requisitioned for the period of the war in connection with Municipal purposes, e.g., for housing Municipal staff—						
	(1) The scheme of protection of City's water supply (out of the revised estimates of Rs. 5,03,915) ...	19,400	...	19,400	19,400	...	...
	(2) Construction of blast and splinter proof walls ...	3,28,474	...	1,67,474	1,67,474	9,000	71,500
	(3) Rent of premises requisitioned for O.C.F.S. ...	2,920	...	2,885	2,885	...	17
	(4) Purchase of food-grains for Labour Camps in case of emergency ...	* 6,200	...	1,608	* 1,608	1,493	...
	(5) Rent of buildings, etc., requisitioned ...	2,86,200	...	2,49,026	2,49,026	9,153	9,434
	(6) Rent of telephone at Labour Camps and at the residences of Municipal Officials ...	5,000	...	4,952	4,952	...	24
	(7) Staff to supervise the buildings requisitioned ...	7,920	...	...	...	...	3,960
	Total ...	6,56,114	...	4,45,345	4,45,345	19,646	84,935
	Article III—Carried over ...	9,55,578	1,811	5,96,181	5,97,992	56,457	1,21,507
	Carried over ...	25,42,559	14,226	14,85,413	14,99,639	3,50,655	1,61,686

† The amount was debited to Advances Measures for Civil Defence pending adjustment.

\* To be charged entirely to Municipality. In addition to this Rs. 1,655 debited to Advances Measures for Civil Defence pending adjustment.

## Appendix No. 4A—Concluded.

## Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1942-43.	DETAILS OF ACTUALS		Total expenditure up to 31-3-43.	Amount required to be renewed during 1943-44.	Savings.
			1941-42.	1942-43.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Brought forward ...	Rs. 25,42,559	Rs. 14,226	Rs. 14,85,413	Rs. 14,99,639	Rs. 3,50,655	Rs. 1,61,686
	Article III—Brought forward ...	9,55,578	1,811	5,96,181	5,97,992	56,457	1,21,507
(v)	Water Rationing Scheme, excluding ( <i>vide</i> I(i) the cost of the staff appointed to work out the scheme) ...	1,70,515	...	42,438	42,438	64,039	...
(vi)	Camouflage schemes for water supply undertakings ...	...	...	...	...	...	...
(vii)	Opening and sinking of wells—						
	<i>Under Health Officer.</i>						
	(1) Examination of samples and treatment of well water ...	1,04,790	...	50,544	50,544	275	26,848
	<i>Under Hydraulic Engineer.</i>						
	(2) Opening and sinking tube wells as per details below—						
	(a) Construction of pump cabins ...	13,600		7,160	7,160	3,220	...
	(b) Purchase of 10 pumping sets (Rs. 5,750) and construction of 10 storage tanks (Rs. 27,000) ...	32,750		21,950	21,950	5,400	...
	(c) Provision of electrical service connections ...	2,515		1,272	1,272	622	...
	(d) Opening of existing closed wells including establishment ...	5,00,000	946	3,98,909	3,99,855	30,072	20,000
	(e) Sinking tube wells including establishment ...	55,900		34,448	34,448	...	10,726
	(f) Dewatering of wells including establishment ...	57,300		22,320	22,320	10,515	6,975
	(g) Provision of sign boards for location of wells ...	9,600		...	...	4,800	...
	(h) Excavating of additional 60 closed wells in the City ...	1,00,000		60,937	60,937	19,532	...
	(i) Work of removal of surplus debris from reopened wells ...	13,500		6,318	6,318	3,591	...
		7,85,165					
	Total ...	8,89,955	946	6,03,858	6,04,804	78,027	64,549
(viii)	Prevention of spread of epidemics arising out of damage by air raids to sanitary services ...	28,200	...	...	...	...	14,100
(ix)	Corpse disposal ...	35,875	...	5,094	* 5,094	6,510	8,861
(x)	Clearance of debris ...						
(xi)	Repairs of slightly damaged buildings ...			15,178	**15,178	...	1,51,331
(i)	Extensive demolitions and demolitions involving the use of explosives.						
	Total—Article III ...	24,12,963	† 2,757	12,62,749	†12,65,506	2,05,033	3,60,348
	Total ...	49,55,522	16,983	27,48,162	27,65,145	5,55,688	5,22,034

† The amount was debited to Advances Measures for Civil Defence pending adjustment after the question of allocation of the cost between Government and the Municipality was settled.

\* Out of this Rs. 40-11-8 is chargeable to Municipality.

\*\* This includes Rs. 15,000 Municipal Share.

‡ Excludes Rs. 1,655 debited to Advances Measures for Civil Defence pending adjustment during 1943-44.

## SUMMARY

	Final Grants		Actuals		Balance		Municipality.	
	Government	Municipality	Government	Municipality	Government	Municipality	Amount required to be renewed in 1943-44	Savings.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Article I	15,15,771	...	9,85,192	...	5,30,579	...	...	...
Article II	...	10,26,788	...	5,14,447	...	5,12,341	3,50,655	1,61,686
Article III	12,06,481	12,06,482	6,24,405	6,41,101	5,82,076	5,65,381	2,05,033	3,60,348
Total ...	27,22,252	22,33,270	16,09,597	11,55,548	11,12,655	10,77,722	5,55,688	5,22,034

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 5.

## Revenue Account Balance Sheet as at 31st March 1943.

LIABILITIES.	Rs.	ASSETS.	Rs.
<b>Debts—</b>		Cash at Bank	36,81,454
Due on Cash Bills Outstanding Account	41,220	Cash in Office	4,52,900
.. Cheques payable	15,72,128	Municipal Loans—Interest warrants Payable Account	58,022
.. Stores purchased, Outstanding Accounts	2,07,726	B. I. Trust Loans—Interest warrants Payable Account	40,947
.. Outstanding Charges for 1942-43 and previous years	16,73,000	Interest on B. I. Trust Loans Payable Account	13,569
.. Outstanding Charges on account of Interest accrued but not paid ( <i>Vide</i> details shown in Appendix No. 14-E)	10,84,864	<b>Debts—</b>	
<b>Improvement Schemes—</b>		Due for Stores sold	16,419
Contribution falling due in 1942-43	26,26,997	<b>Stock—(Vide Appendix No. 14-D)</b>	
Deposits in Cash and Public Securities from Contractors and private parties ( <i>Vide</i> details shown in Appendix No. 14-C)	74,32,798	Stock (Reserve Stores)	5,66,256
	1,46,38,733	Line Suspense Account	94,860
Public Monuments Maintenance Fund ( <i>vide</i> details shown in Appendix No. 16-B)	1,67,746	Water Works Imprest	6,084
Endowments Fund ( <i>vide</i> details shown in Appendix No. 16-C)	2,98,382		6,67,200
	4,66,128	Capital Stores—	
<b>Stock Account—</b>		Stock	2,60,392
Capital Purchases Account, etc.	Dr. 71,460		9,27,592
Stock Adjustment Account	47	Plant and Machinery	20,62,219
	Dr. 71,413	<b>Advances, Recoverable—(Vide Appendix No. 14-A)</b>	
<b>Special Funds as at 31st March 1943—</b>		Departmental Works	2,55,025
Fire and Accident Insurance Fund	11,34,135	Private Works	2,48,067
Net Premia Fund	47,29,994	Asphalt Plant Crushers, etc.	1,49,794
Provident Fund	2,01,34,214	Municipal Officers	43,981
Fines Fund	5,25,612	Sundries—Miscellaneous—Advances	1,99,261
Plant and Machinery Depreciation Fund	16,35,690	Advances—Measures for Civil Defence	46,342
Renewal of Road Surfaces Fund	27,14,710	Municipal Tenderers, Contractors, etc.	7,857
Garden Fund	84,618	Purchase of Coal	14,995
Hospital Fund	4,74,084	Purchase of Petrol	Cr. 16,464
Land Sales Reserve Fund	26,43,486		9,48,858
Slum Service Fund	1,66,921	<b>Advances out of Special Funds—(Vide Appendix No. 14-B)</b>	
K. E. M. Hospital and G. S. M. College Equipment Fund	72,062	Advances from Plant and Machinery Depreciation Fund for	
G. S. M. College and K. E. M. Hospital Research Fund	44,156	Purchase of Plant and Machinery	85,681
Precast Concrete Slab Pavements Renewal Fund	17,384	Levelling, Metalling etc., Private Streets	87,938
Fidelity Guarantee Insurance Fund	8,569	Amount advanced from Fines Fund to N. Coombs, Esq., O.C.F.S., for conducting a grain store at Byculla for Fire Brigade Staff	5,000
	3,43,85,635	Advances to lowpaid Municipal employees out of Fines Fund	11,855
		Advance for purchase of grains for Municipal grain shops, etc. out of Fines Fund	45,546
		Amount advanced from Net Premia Fund for the purchase of Plant and Machinery for the Municipal Printing Press	1,49,760
		Advance for meeting Capital Expenditure from :—	
		Municipal Fire and Accident Insurance Fund	4,05,654
		Plant and Machinery Depreciation Fund	10,52,695
		Renewal of Road Surfaces Fund	8,79,518
		Net Premia Fund	15,46,813
		Land Sales Reserve Fund	22,25,000
			64,95,460
		<b>Deposits in Public Securities—</b>	
		With the Imperial Bank of India	6,76,300
		In Office	1,28,400
			8,04,700
Carried Forward	4,94,19,083	Carried Forward	1,55,02,140

## Appendix No. 5.—(Concluded.)

LIABILITIES.	Rs.	ASSETS.			Rs.
Brought forward ...	4,94,19,083	Brought forward ...			1,55,02,140
Surplus Revenue Fund as per Appendix No. 2. ...	78,24,639		In securities.	Deposits in Cash, Fixed & Current a/c.	
		<b>Investments—</b>	Rs.	Rs.	
		<b>(a) Special Funds.</b>			
		Municipal Fire and Accident Insurance Fund ...	7,28,289	192	7,28,481
		Net Premia, etc., on different Municipal Loans ...	16,04,563	14,28,858	30,33,421
		Provident Fund ...	2,01,34,114	100	2,01,34,214
		Fines Fund ...	4,63,037	174	4,63,211
		Plant and Machinery Depreciation Fund ...	4,09,058	318	4,09,376
		Renewal of Road Surfaces Fund ...	18,34,998	194	18,35,192
		Garden Fund ...	84,467	151	84,618
		Hospital Fund ...	4,73,787	297	4,74,084
		Land Sales Reserve Fund ...	4,18,400	86	4,18,486
		Slum Service Fund ...	1,66,800	121	1,66,921
		K.E.M. Hospital and G.S.M. College Equipment Fund ...	71,929	133	72,062
		G.S.M. College and K.E.M. Hospital Research Fund ...	43,975	181	44,156
		Precast Concrete Slab Pavements Renewal Fund ...	17,300	84	17,384
		Fidelity Guarantee Insurance Fund ...	8,400	169	8,569
			2,64,59,117	14,31,058	2,78,90,175
		<b>Surplus Fund.</b>	Face value.	Actual cost.	
		4% Govt. Loan 1960-70 ...	61,800	55,554	
		3½% G. P. Notes ...	27,400	20,521	
		4% B.I.T. Debentures ...	16,900	15,741	
		3½% Govt. Loan 1947-50 ...	3,500	3,448	
		3% Municipal Debentures ...	24,13,800	24,13,800	
		3½% Municipal Debentures ...	4,88,000	4,88,000	
			30,11,400	29,97,064	
		In cash, fixed and current a/c. Deposits ...		1,03,76,776	1,33,73,840
		<b>Investment of Surplus moneys in Public Securities.</b>			
		3½% G. P. Notes ...	11,439		11,439
		<b>Public Monuments Maintenance Fund.</b>			
		(Vide Appendix No. 16-B) ...	1,67,746		1,67,746
		<b>Endowments Fund.</b>			
		(Vide Appendix No. 16-C) ...	2,98,382		2,98,382
Total ...	5,72,43,722	Total ...			5,72,43,722

(a) For Face, Purchase and Market Values of each kind of securities held in the Special Funds, please see Appendix No. 16.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## APPENDIX No. 6.

### Statement of Special Funds for 1942-43.

Municipal Fire and Accident Insurance Fund.				Plant and Machinery Depreciation 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).				(Corporation Resolution No. 5533 of 1st September 1924).				
Dr.		Cr.		Dr.		Cr.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942			10,83,698	0	15,28,317	0	10	10
Contributions for the year			11,026	6			1,07,372	10
Interest realised during the year			43,123	13				
Expenditure incurred during the year	3,712	13	0					
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5—								
Amount advanced for financing Capital Expenditure	4,05,654	5						
Amount held in Securities and Cash	7,28,481	1						
			11,34,135	6	16,35,689	11	8	
Total			11,37,848	3	16,35,689	11	8	16,35,689
			11,37,848	3	16,35,689	11	8	16,35,689
Worn-out Water Mains Renewal Fund.				Renewal of Road Surfaces Fund.				
(Standing Committee Resolution No. 12512, dated the 22nd February 1893 and Corporation Resolution No. 13406, dated the 9th March 1893).				(Corporation Resolution No. 774 of 27th April 1925).				
Dr.		Cr.		Dr.		Cr.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942			4,750	13	24,91,204	10	11	11
Interest realised during the year			195	11			93,554	2
Expenditure incurred during the year							1,28,411	0
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 7	4,946	8	3				1,540	6
Total			4,946	8	27,14,710	3	5	27,14,710
			4,946	8	27,14,710	3	5	27,14,710
Net Premia Fund.				Garden 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).				(Corporation Resolution No. 912, of 1st May 1930).				
Dr.		Cr.		Dr.		Cr.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942			47,32,728	11	73,232	11	0	0
Sale of water-marked paper			172	13			8,471	6
Amount transferred to meet repayment of Loans during the year		23	12	0			2,982	8
Purchase of water-marked paper	2,884	0	0				68	13
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5—							84,617	11
Amount advanced for financing Capital Expenditure	15,46,813	4						
Amount advanced for purchase of Plant and Machinery for Municipal Printing Press pending adjustment against the provisions for depreciation in subsequent years	1,49,759	11						
Amount held in Securities, Cash and Fixed deposit	30,33,420	13						
			47,32,993	12	84,686	9	0	84,686
Total			47,32,901	8	84,686	9	0	84,686
			47,32,901	8	84,686	9	0	84,686
Fines Fund.				Levelling, Metalling, etc., Private Streets Fund.				
(Corporation Resolution No. 1217 of 12th May 1919).				(Corporation Resolution No. 9427 of 23rd January 1922 and Corporation Resolution No. 11147 of 7th January 1926).				
Dr.		Cr.		Dr.		Cr.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942			5,12,336	4	1,12,809	7	2	11,863
Interest realised during the year			18,056	3			4,974	15
Net Recoveries of fines during the year			25,274	7			87,937	13
Expenditure during the year	30,054	9	0					
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5—								
Amount advanced to N. Coombs Esqr., O. C. F. S. for conducting a grain store at Byculla for Fire Brigade staff	5,000	0						
Advances to Municipal Employees as sanctioned under C. R. No. 15 of 9-4-42	11,855	5						
Advances for purchase of grains for Muni. grain shops	45,545	10						
Amount held in Securities and Cash	4,63,211	5						
			5,55,666	14	1,29,647	9	2	1,29,647
Total			5,55,666	14	1,29,647	9	2	1,29,647
			5,55,666	14	1,29,647	9	2	1,29,647
Public Monuments Maintenance Fund.				Endowments Fund.				
(Corporation Resolution No. 1217 of 12th May 1919).				(Corporation Resolution No. 1217 of 12th May 1919).				
Dr.		Cr.		Dr.		Cr.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942			1,67,745	13	2,74,364	9	0	0
Donations received during the year							24,017	13
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5	1,67,745	13	0				2,98,382	6
Total			1,67,745	13	2,98,382	6	0	2,98,382
			1,67,745	13	2,98,382	6	0	2,98,382

\* Out of this, Rs. 19,93,812 belong to Water Works Account.

**APPENDIX No. 6—Concluded.**  
**Statement of Special Funds 1942-43.**

<b>Hospital Fund.</b> (Corporation Resolution No. 497 of 15th November 1934).				<b>K. E. M. Hospital and G. S. M. College Equipment Fund.</b> (Corporation Resolution No. 650 of 3rd December 1935).			
		<i>Dr.</i>		<i>Cr.</i>			
		Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942	...			4,22,873	10 5	68,633	10 0
Donations received during the year	...			51,210	6 1	19,047	0 0
Expenditure incurred during the year	...						
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5	...	4,74,084	0 6			72,061	10 0
<b>Total Rs.</b>	...	<b>4,74,084</b>	<b>0 6</b>	<b>4,74,084</b>	<b>0 6</b>	<b>87,680</b>	<b>10 0</b>
						<b>87,680</b>	<b>10 0</b>
<b>Lands Sales Reserve Fund.</b> (Corporation Resolution No. 705 of 19th December 1935).				<b>G. S. M. College and K. E. M. Hospital Research Fund.</b> (Corporation Resolution No. 176 of 21st June 1937).			
		<i>Dr.</i>		<i>Cr.</i>			
		Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942	...			30,56,391	12 6	35,376	8 2
Amount transferred to make good the deficit in the amount of Rs. 10 lakhs to be credited to Revenue on account of sale proceeds of surplus land during the year	...	4,92,239	10 11			12,500	0 0
Interest realized during the year	...			79,333	8 0	1,460	5 0
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5:—	...						
Advance for financing	Rs. a. p.						
Capital Expenditure	22,25,000 0 0						
Amount held in securities and Cash.	4,18,485 9 7						
<b>Total Rs.</b>	...	<b>31,35,725</b>	<b>4 6</b>	<b>31,35,725</b>	<b>4 6</b>	<b>49,336</b>	<b>13 2</b>
						<b>49,336</b>	<b>13 2</b>
<b>Slum Service Fund.</b> (Corporation Resolution No. 930 of 27th February 1936).				<b>Precast Concrete Slab Pavements Renewal Fund.</b> (Corporation Resolution No. 612 of 23rd November 1936.)			
		<i>Dr.</i>		<i>Cr.</i>			
		Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942	...			1,84,892	3 3	9,602	0 0
Interest realized during the year	...			1,697	6 0	7,782	0 0
Expenditure during the year	...	19,668	6 0				
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5	...	1,66,921	3 3				
<b>Total Rs.</b>	...	<b>1,86,589</b>	<b>9 3</b>	<b>1,86,589</b>	<b>9 3</b>	<b>17,384</b>	<b>0 0</b>
						<b>17,384</b>	<b>0 0</b>
<b>Provident Fund.</b> (Corporation Resolution No. 5598, dated the 7th September 1920).				<b>Fidelity Guarantee Insurance Fund.</b> (Corporation Resolution No. 1283 of 10th March 1941.)			
		<i>Dr.</i>		<i>Cr.</i>			
		Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1942—							
Amount of subscribers' accounts—							
(1) Other than Trust and Schools Committee's employees	...	1,25,69,468	3 0				
Deduct—Net opening balances of accounts transferred from Municipal to Trust Section	...	6,506	5 0				
(2) Trust employees	...	18,42,807	1 2	1,25,62,961	14 0		
Add—Net opening balances of accounts transferred from Municipal to Trust Section	...	6,506	5 0	18,49,313	6 2		
(3) Schools Committee's employees	...			53,85,244	11 0		
(4) Excess interest, Profit on Sale of Securities, etc.	...			84,075	5 4		
Payments during the year	...	22,60,673	5 0			1,98,81,595	4 6
Deduct:—Receipts on account of Subscriptions and Contribution during 1942-43 in respect of employees other than Trust and Schools Committee's employees	...	19,45,194	8 0	Dr. 3,15,478	13 0		
Interest allowed on Provident Fund Accounts of employees other than Trust and Schools Committee's employees	...	4,67,174	8 0				
Less—Payments during the year	...	12,447	6 0	Cr. 4,54,727	2 0		
Receipts on account of Subscriptions and Contribution during 1942-43 in respect of Provident Fund Accounts of Trust employees	...	2,42,667	1 0			1,39,248	5 0
Less—Payments during the year	...	2,19,211	4 0				
Interest allowed on Provident Fund Accounts of Trust employees	...	71,491	3 0				
Less—Payments during the year	...	1,139	8 0				
Payments during the year	...	5,93,221	14 0			93,807	8 0
Deduct:—Receipts on account of Subscriptions and Contribution during 1942-43 in respect of Provident Fund Accounts of Schools Committee's employees	...	4,12,232	7 0	Dr. 1,80,989	7 0		
Interest allowed on Provident Fund Accounts of Schools Committee's employees	...	1,97,421	14 0				
Less—Payments during the year	...	42,346	2 0				
Net interest on Provident Fund Investments realized during the year	...			1,55,075	12 0		
Deduct:—Interest allowed at 4 per cent. per annum on Provident Fund Accounts:—	...			7,81,564	4 0		
(1) Employees other than Trust and Schools Committee employees	...	4,67,174	8 0				
(2) Trust employees	...	71,491	3 0				
(3) Schools Committee employees	...	1,97,421	14 0				
Balance on 31st March 1943 as per Balance Sheet, Appendix No. 5	...					25,913	11 0
<b>Total</b>	...					<b>2,01,34,214</b>	<b>1 6</b>
						<b>2,01,60,127</b>	<b>12 6</b>
						<b>2,01,60,127</b>	<b>12 6</b>

**J. K. DARUVALA,**  
Chief Accountant.

**M. D. BHAT,**  
Municipal Commissioner.



## Appendix No. 7.

## Capital Fund Balance Sheet as at 31st March 1943.

LIABILITIES.		Rs.	ASSETS.		Rs.
<b>Loans Outstanding :—</b>			<b>Block Account:—</b>		
<b>Due to Government</b>			<b>Loan Funds—</b>		
(Vide details as shown in Appendix No. 11)	...	5,45,11,730	Property and Assets at original cost as per Appendix No. 8.		Rs. 25,95,67,682
<b>Due to Public—</b>			<i>Deduct—Subventions granted for the conversion of privies into water closets, shown below</i>		21,18,022
(Vide details as shown in Appendix No. 11)	...	8,54,51,000	<i>Add—Subventions granted for the conversion of privies into water-closets</i>		Rs. 22,95,135
<b>Advances from Special Funds—</b>					25,74,49,660
(Vide details as shown in Appendix No. 11)	...	61,09,681	<i>Deduct—Expenditure written off</i>		Rs. 1,77,113
		14,60,72,411			Rs. 21,18,022
<b>Trust Fund Account—</b>					25,95,67,682
Donation from Sir Currimbhoy Ebrahim for the construction of a Primary School Building—			<b>Trust Fund—</b>		
Balance on 1st April 1942	Rs. 57,732		Expenditure as per Appendix No. 8		42,65,891
Interest	633	58,365	<b>Worn-out Water Mains Renewal Fund—</b>		
Donation from Messrs. Thakordas and Co., Solicitors on behalf of their client Bai Kailasavri for a General Public Dispensary in the Vicinity of Mumbadevi		30,000	Expenditure as per Appendix No. 8		9,59,005
		88,365	<b>Unbooked Property—</b>		
<b>Worn-out Water Mains Renewal Fund Account</b>		4,946	As per valuation of 1884		45,37,836
<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		43,03,044
Sinking Fund on Loans	3,26,11,056		Temporary advance to Development Fund		31,77,390
Loans Redemption Fund	9,95,61,441		<b>Investments—</b>		
Unbooked Property	45,37,836		<b>Sinking Fund—</b>		
Premia on Loans	3,20,849		As per Appendix No. 10		(a) 3,26,11,056
Contributions from Special Funds	8,03,171		<b>Loan and Trust Funds—</b>		
Do. Revenue for Loan Works Establishment	17,870		Face Value	Rate	Book Value
Do. G. I. P. Railway	3,74,000		Rs.	par.	Rs.
Do. Port Trust	1,56,500		1,04,100	...	1,04,100
Do. Government for Schools...	5,00,000		8,75,500	par.	8,75,500
Do. Government for widening the Love Grove Bridge	91,234		12,100	98-8.0%	11,918
Do. Worn-out Water Mains Renewal Fund	9,59,005		27,900	96%	26,784
Do. Land and Buildings Fund	74,80,434		10,19,600		10,18,302
Do. Development Fund	1,34,32,075		In fixed Deposits	...	8,00,000
Do. Revenue towards Bai Jerbai Wadia Hospital for Children	7,00,000		In Cash	...	40
Do. Trust Fund	42,65,891		<b>Special Fund—</b>		*18,18,342
	16,58,11,362		Worn-out Water Mains Renewal Fund		...
<i>Deduct—</i>			In Securities		Rs. 4,863
<i>Assets written off—</i>			In Cash		83
Amount as on 31st March 1942	Rs. 6,77,351				14,946
Additions during the year	54,541	7,31,892			
		16,50,79,470			
<b>Grand Total</b>	...	31,12,45,192			31,12,45,192

(a) For Face, Purchase and Market Values of Securities held in the Sinking Funds, please see Appendix No. 16-A.

\* Inclusive of Rs. 88,365 on account of Trust Funds.

† For Face, Purchase and Market Values of Securities held in the Fund, please see Appendix No. 16.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 8.**  
**SUMMARY.**

	Capital Expenditure upto 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.		Capital Expenditure upto 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
<b>(1) Loans Funds.</b>							
I.—General Supervision, Collection of Revenue, etc. ...	20,43,771	...	20,43,771	XV.—Slum Service ... ..	6,17,429	19,229	6,36,658
II.—Water Works ... ..	9,83,50,840	7,06,334	9,90,57,174	XVI.—Measures for Civil Defence ... ..	...	976	976
III.—Education, Primary ... ..	27,88,922	244	27,89,166	Discount and other Charges on Loans ... ..	4,61,678	25,012	4,86,690
V.—Public Health Department ... ..	15,15,583	88,336	16,03,919	Plant and Machinery ... ..	5,15,289	Cr. 6,595	5,08,694
VI.—Medical Relief and Education ... ..	81,22,816	52,625	81,75,441		25,76,83,042	18,84,640	25,95,67,682
VII.—Street Cleansing and Conservancy Road Watering and Halalkhore Service ... ..	89,49,799	74,072	90,23,871	<b>(1) Loan Funds—Total Rs.</b> ... ..			
VIII.—Roads, Drains and Sewers ... ..	7,54,99,301	7,32,280	7,62,31,581	<b>(2) Trust Fund.</b>			
IX.—Mechanical ... ..	30,98,285	47,223	31,45,508	Works executed ... ..	41,98,550	67,341	42,65,891
X.—Buildings, Land Acquisition and Management ... ..	4,27,35,167	43,838	4,27,79,005	<b>(8) Worn out Water Mains Renewal Fund.</b>			
XI.—Fire Brigade ... ..	11,83,561	28,084	12,11,645	Works executed ... ..	9,59,005	...	9,59,005
XIII.—Gardens and Open Spaces ... ..	36,76,874	...	36,76,874	<b>(4) Land and Buildings Fund.</b>			
XIV.—Markets and Slaughter Houses ... ..	81,23,727	72,982	81,96,709	Lands purchased and buildings erected ... ..	43,03,044	...	43,03,044
Carried forward ...	25,60,88,646	18,46,018	25,79,34,664	<b>Grand Total</b> ...	26,71,43,641	19,51,981	26,90,95,622

Appendix No. 8.

Block Account showing details of Capital Expenditure upto 31st March 1943.

	Capital Expenditure upto 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.		Capital Expenditure up to 31st March 1942.	Expended during the year	Total Capital Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—GENERAL SUPERVISION, COLLECTION OF REVENUE, Etc.				II—Water Works—Brought forward ...	4,55,52,623	29,138	4,55,81,761
Works completed (as per Report for 1941-42) ...	20,43,771	...	20,43,771	Laying a 6" water main in Nikadwari Lane from 6" main in Kande-wadi Lane to 3" main in Khotachiwadi Lane and from Girgaum Road to the proposed main ...	4,264	...	4,264
I.—General Supervision, etc., Total ...	20,43,771	...	20,43,771	Laying a 5" main in Albert Road ...	1,418	...	1,418
II.—WATER WORKS, ORDINARY.				Laying a 5" water main in Hamalwadi ...	2,022	...	2,022
Works completed (as per Report for 1941-42) ...	4,52,42,196	...	4,52,42,196	Enlarging the 5" water main in Kumbharwada to 9" ...	11,894	201	12,095
Conversion gradually of an adequate number of underground hydrants out of the existing 4,849 underground hydrants into stand-post hydrants to prevent pollution of the water supply of the City ...	49,959	1,921	51,880	Cutting off the 7" water main in Colaba Causeway from Wellington Fountain to Arthur Bunder Road and transferring its connection to the 12" main ...	6,419	420	6,839
Providing water mains with hydrants, etc., in the layout of roads in Scheme No. 57, Sewri-Wadala ...	92,991	24,676	1,17,667	Providing outlet mains from Bhandarwada Hill Reservoir ...	4,017	...	4,017
Extending 18" main in King Edward Road from Haffkine Institute upto junction of Sewri New Road ...	*89,370	436	89,806	Providing a 6" water main in Road 19C Sion Scheme 6 ...	6,374	91	6,465
Remodelling the existing Tulsī Pipe Bridge across the Bandra Creek ...	821	...	821	Providing 5" main in Dadar Cross Road ...	2,378	...	2,378
Enlarging 3" water main in Nizam Street to 6" between Parel Road and Goghari Moholla ...	4,220	...	4,220	Laying a 6" main in 40' road off B. D. D. Chawls Roads (Worli) ...	3,232	...	3,232
Laying 6" water main in Road No. 17, Naigaum Estate, between Govindji Kini Road and Dadar Road ...	8,964	432	9,396	Providing 6" main in Forjett Cross Lane ...	3,470	125	3,595
Replacing the 3" and 6" water main in Vithal Wadi Lane by a 12" main ...	14,565	548	15,113	Providing 6" main in Road No. 24, Sion Scheme No. 6 ...	13,268	52	13,320
Laying a 5" water main in Kalyan Street ...	2,052	108	2,160	Enlarging and extending the 3" main in Dhobitalao 2nd Lane to 5" ...	2,379	79	2,458
Laying a 6" water main in Saboo Sidik Road ...	8,155	359	8,514	Replacing 7" main in Warden Road by 12" main ...	51,321	404	51,725
Providing a 5" water main in Masjid Cross Lane ...	2,398	116	2,514	Relaying a portion of the 24" Tulsī main in Miles 5 & 6 inside Marole Cutting adjacent to the 57" main ...	21,553	Cr. 21	21,532
Providing a 6" water main in 40' road off Govindji Kini Road ...	4,551	196	4,747		4,56,86,632	30,489	4,57,17,121
Laying a 6" water main in Road No. 11, Scheme 52, Worli Develop-ment with a 6" branch to connect the existing 12" main in Worli Road ...	14,999	...	14,999	Works completed during the year:—			
Laying a 6" water main in Durgah Street ...	3,635	142	3,777	Providing 30' Trunk main from Malbar Hill Reservoir to Block No. 1 with cross connection to 24" main in Churchgate Street ...	4,19,937	...	4,19,937
Enlarging the 3" water main in Mount Road to 6" from Ridge Road to Nepean Sea Road ...	13,747	204	13,951	Enlarging the 3" main in Mughbat Cross Lane by 5" and extending the same for a length of 55' ...	546	...	546
II—Water Works—Carried over ...	4,55,52,623	29,138	4,55,81,761	Laying 6" water main in East footpath of Palton Road ...	669	...	669
				Providing an additional 12" main in East end footpath at DeLisle Road ...	32,135	141	32,276
				Enlarging the 3" main in Telwady, 1st Cross Lane to 6" ...	4,089	...	4,089
				Laying a 6" main in Balamiya Road ...	5,096	...	5,096
				Laying a 6" main in the Private Lane off Chinchpokli Cross Lane ...	11,654	...	11,654
				Providing a 5" water main in Mughbat Lane off Thakurdwar Road ...	3,798	Cr. 19	3,779
				II.—Water Works—Works completed during the year ...	4,77,924	122	4,78,046
				II. Water Works—Carried over ...	4,61,64,556	30,611	4,61,95,167

Appendix No. 8—continued.

	Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.		Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.	II—Water Works—Brought forward ...	Rs.	Rs.	Rs.
II—Water Works—Brought forward ...	4,61,64,556	30,611	4,61,95,167	II—Water Works—Brought forward ...	4,61,64,556	30,611	4,61,95,167
Works in progress—				II.—Water Works—Works in Progress—Brought forward ...	20,96,857	2,04,373	23,01,230
Providing water mains in the layout of new roads at Back Bay Reclamation Scheme—				Providing 6" water main in Sitafal Wadi off Mount Road and 5" main in bye-lanes off Victoria Road (E. Ward) ...	2,784	225	3,009
Providing 9" and 6" distributory mains in Block No. 1 ...	47,622	7,595	55,217	Enlarging the existing 3" and 4" water mains in Mahim Kapad Bazar Road from Cadell Road to Mahim Bazar Cross Road to 6" ...	3,407	...	3,407
Providing 9" and 6" distributory mains in Block No. 2 ...	76,741	...	76,741	Enlarging the existing 3" water main to 5" in Popatwadi off Kalbadevi Road ...	2,349	1,291	3,640
Providing 30" trunk main from the end of Block No. 1 along Marine Street and 120" road opposite Band Stand with a cross connection to existing main near Wellington Fountain ...	1,32,449	...	1,32,449	Providing an additional 9" water main in Bhavanishankar Road ...	11,377	391	11,768
Providing new water mains in Mahim District ...	72,108	59	72,167	Enlarging and extending 4" water main in Shroff and Pestonji Street to 5" and providing a 5" water main in Hamal Street, 5" main in Bora Bazar Cross Lane, Maneckji Street and Koli 3rd Lane (Colaba) ...	9,779	3,388	13,167
Making a pito-meter survey of the trunk and distributory water mains in the City ...	28,056	108	28,164	Enlarging the existing 3" main in Arthur Road to 5" and extending the existing 6" main in Arthur Road to B. B. & C. I. Railway Lines ...	3,692	5,518	9,210
Laying further water mains in some of the roads in Mahim District. Water-proofing the Malabar Hill and Bhandarwada Reservoirs by gunite surfacing ...	33,685	456	34,141	Providing a 5" water main in 40' road off 50' road off Lady Jamshedji Road (C. Ward) ...	2,375	1,050	3,425
Reconstruction of the Trolley Track from Ghatkopar to Futka Tank, Matunga ...	7,40,260	735	7,40,995	Providing a 5" water main in Umarchadi 3rd Lane (B. Ward) ...	3,228	377	3,605
Acquisition of Khardi Village with its houses, wells, trees, etc. ...	59,123	...	59,123	Laying water main in Sion, Scheme No. 6 ...	13,149	1,112	14,261
Enlarging the 5" water main in Falkland Road to 7" from Lamington Road to Grant Road ...	19,351	641	19,992	Enlarging the existing 3" and 4" water mains in Parel Chawl Road to 5" ...	7,704	7,935	15,639
Providing additional hydrants and S. V.s on the existing water main in certain roads of the Dadar Matunga Estate, Scheme Nos. 5 and 6 ...	17,540	573	18,113	Providing a 5" water main in Burrows Cross Lane off Burrows Lane (G. Ward) ...	2,490	...	2,490
Enlarging the 6" water main in Old Hanuman Lane to 9" ...	18,916	...	18,916	Laying a 24" main in Worli Road in continuation of 24" main in Haines Road ...	5,639	61,835	67,474
Providing office and staff quarters for the chlorination staff at the Vihar Lake ...	12,875	...	12,875	Providing a 6" main in Assembly Lane and enlarging the existing 3" main in Malharrao Wadi to 5" and extending it to meet the proposed main in Assembly Lane (C. Ward) ...	6,207	401	6,608
Provision of Booster Pump at Bhandarwada Reservoir ...	2,532	606	3,138	Providing a 6" main in Popalwadi 3rd Lane and extending the existing 6" main Popalwadi 2nd Lane (C. Ward) ...	5,269	155	5,424
Laying 6" water main in road No. 2, Naigaum Estate between Morbaug Road and Govindji Kini Road ...	29,459	570	30,029	Enlarging the existing 3" and 4" water mains in King's Lane and 4" main in Gola and Jiwanji Lane (A. Ward) ...	3,199	219	3,418
Reconstructing two portions of the trolley track along the 48" Vihar main ...	6,338	246	6,584	Extending the 5" main in Falkland Road, Low Level (North) to meet the 9" main in Sleater Road ...	1,636	780	2,416
Providing additional inlets and outlets at Malabar Hill Reservoir ...	17,244	121	17,365	Strengthening spans Nos. 6 and 7 of the old Kasheli Bridge with incidental works ...	23,617	83,987	1,07,604
Connecting the ends of the 32" Vihar main near Byculla Bridge ...	3,24,190	4,232	3,28,422				
Scheme for centralising various operations for the sterilization of the Bombay water supply ...	50,408	2,243	52,651				
Laying a 5" main in Matharpacady Cross Road ...	61,673	6,748	68,421				
	1,861	146	2,007				

Providing a 5" water main in the lane off low level Road at Carroll Bridge	3,197	252	3,449	Treating further portion of the 57" Steel mains in Sleater Road from Nana's Chowk to Falkland Road with reinforced gunite.	10,528	18,496	29,024
Widening and raising the embankment providing a trolley track and laying new 57" steel main wherever necessary in Bandra Creek	62,425	28,191	90,616	Constructing 1½ million gallons capacity reinforced gunite elevated tank at Bhandarwada	17,893	84,766	1,02,659
Gunite and cementation work of the dam and the provision of a trolley track along its toe at Tansa	41,039	1,09,568	1,50,607	Providing water main in 40' Road off Saboo Siddiq Street	6,394	656	7,050
Providing a 9" water main in Samuel Street	17,340	365	17,705	Connecting the 4" Bandra Slaughter House Main to 24" Tulsī Main.	Cr. 3	...	Cr. 3
Providing mains in roads Nos. 1, 2, 8, 27, 27A and 29, Sion Scheme 6	35,825	10,216	46,041	Cleaning the Vehar Lake	423	44,992	45,415
Providing additional hydrants on 24" Tulsī main from Mori Road to Haines Road	3,882	...	3,882	Enlarging the 5" water main in Carmichael Road to 9" and extending it to connect the same with 6" main in Altamount Road	...	8,087	8,087
Providing protective measures along the slopes of the Bhandarwada Hill Reservoir	22,962	787	23,749	Laying a 5" water main in Bhandup Street	...	1,156	1,156
Connecting 15" main in Jackeria Masjid Street to 15" main in Chakla Street	13,900	1,496	15,396	Providing a 5" water main in Shenvi Wadi and Pimpalwadi Lane from 6" main in Kandewadi to join it to 6" main in Mubghat Lane.	...	3,624	3,624
Providing 12" main in Vithalbhai Patel Road from Charni Road to Cawasji Patel Tank Road	13,897	7,612	21,509	Providing a 5" water main in Babula Tank Cross Road from 14" main in Babula Tank Road to meet the 6" main in Imamwada Road	...	6,274	6,274
Providing 6" main in Raichur Street	2,268	...	2,268	Laying 5" water mains in Road Nos. 19A, 19B and 19D in Sion Scheme No. 5	...	8,985	8,985
Laying 9" main in the extension of Worli Sea Face Road and 50' road parallel to it, Worli Scheme No. 58	10,148	6,213	16,361	Enlarging the existing 3" and 4" water mains in Jail Road South to 5"	...	5,940	5,940
Providing 6" main in Road Nos. 13A, 13B and 13C, Naigaum Scheme No. 60	3,878	...	3,878	Laying a 5" main in Ganeshwadi 1st Lane and enlarging and extending 3" main in Ganeshwadi 2nd Lane and connecting it with the proposed main in Ganeshwadi 1st Lane (C Ward)	...	2,878	2,878
Enlarging and extending the 4" main in College Road to 6"	8,484	...	8,484	Providing concrete blocks under steel mains outside City at places where they are badly corroded	...	18,416	18,416
Providing 6" main in the western footpath of Suparibaug Road	18,679	389	19,068	Providing hydrants in roads where there are no hydrants or where additional hydrants are necessary	...	6,698	6,698
Enlarging the 3" main in Ghogari Moholla 1st Cross Lane to 6" and providing a 5" water main with hydrants in Ghogari Moholla 2nd Cross Lane	3,771	104	3,875	Laying 5" water main in Falkland 2nd, 3rd and 4th Cross Lanes	...	9,795	9,795
Providing 6" water main in Worli Sonapur Lane	8,789	156	8,945	Extending the existing 5" water main in Bhaskar Lane (C Ward)	...	2,438	2,438
Providing a 5" main in Nowland Street and DeLima Street Cross Lane	4,665	197	4,862	Providing a 12" main along western slope of Malabar Hill from Malabar Hill Reservoir to Napaeon Sea Road	...	10,357	10,357
Repairing and extending the Trolley Track in various syphons of the duct line outside Bombay	15,073	2	15,075	Purchase of New Meters	...	9,029	9,029
Laying water main in ex-Trust Dhasavi Scheme	12,591	7,868	20,459	Enlarging and extending the existing 4" water main in Belvedere Road, Mazagaon	...	5,911	5,911
Providing housing accommodation for the labour staff outside the City	19,073	748	19,821	Enlarging the 5" and 3" water mains in Lamington Road, enlarging the 3" mains in Topiwala Lane and Tara Temple Lane	...	5,587	5,587
Laying an 18" main in 1st Marine Street	18,548	3,168	21,716	Enlarging and extending the existing 3" and 4" water mains in Masjid Bunder Road from Jackeria Masjid Street to Narsi Natha Street to 6"	...	7,884	7,884
Laying a 5" water main in portion of Road No. 9 (Dadar) from King's Circle to Road No. 8 (Scheme Nos. 5 and 6)	1,685	499	2,184	Enlarging and extending that 4" water main in Gas Works Lane off Parel Road (F Ward)	...	1,828	1,828
Providing a 5" water main in Jambulwadi between Girgaum Road and Kalbadevi Road	762	1,381	2,143	Providing a 9" water main in Foreshore Road, Back Bay Reclamation Area	...	3,987	3,987
Providing a 6" main in the remaining portion of Agiary 1st Lane and connecting the existing 6" mains in Agiary 3rd Lane to the proposed main	1,545	82	1,627	Extending 9" water main of east footpath of Vincent Road to meet the 24" main in Matunga Road	...	1,195	1,195
II—Water Works—Works in Progress—Carried over	20,96,857	2,04,373	23,01,230	II.—Water Works—Works in Progress—Carried over...	22,39,993	6,42,016	28,82,009
II—Water Works—Carried forward	4,61,64,556	30,611	4,61,95,167	II.—Water Works—Carried over...	4,61,64,556	30,611	4,61,95,167

**Appendix No. 8—continued.**

	Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.		Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
II—Water Works—Brought forward ...	4,61,64,556	30,611	4,61,95,167	VI—Medical Relief etc.—Brought forward ...	73,19,501	...	73,19,501
II—Water Works—Works in progress—Brought forward ...	22,39,993	6,42,016	28,82,009	Works in progress—			
Providing a 5" main in Laburnum Road ...	...	429	429	Extension of the K. E. M. Hospital (Part expenditure booked under Trust Fund) ...	5,14,456	Cr. 14,376	5,00,080
Removing the embedded portions of the 32" Vihar Main and 48" old and new Tansa Mains over the swing bridge at Kuria and relaying the same over the existing piers of the bridge ...	...	5,915	5,915	Constructing and equipping additional buildings in the compound of the Turner Sanatorium at Bhoiwada for increasing by 40 beds the accommodation for Tubercular patients (Part expenditure booked under Trust Fund)...	50,387	49	50,436
Measures for preventing frequent bursts on trunk mains inside the City ...	...	229	229	Constructing Nurses' Quarters, etc., in the compound of the Bellasis Road Maternity Home ...	26,384	1,208	27,592
Augmentation of City's water supply ...	...	27,134	27,134	Additions and Improvements at A. R. Hospital ...	17,732	202	17,934
	22,39,993	6,75,723	29,15,716	Municipal share for the cost of constructing buildings, etc., for the Tuberculosis Hospital at Sewree...	1,78,266	64,305	2,42,571
Water Works ordinary—Total ...	4,84,04,549	7,06,334	4,91,10,883	Extension of the kitchen at ward pavilions at the K. E. M. Hospital.	15,974	1,237	17,211
Tansa Triplication—				Construction of the T. B. Clinics in the City ...	116	...	116
Works completed (as per Report for 1941-42) ...	4,99,46,291	...	4,99,46,291		8,03,315	52,625	8,55,940
II.—Water Works—Total ...	9,83,50,840	7,06,334	9,90,57,174	VI.—Medical Relief, etc.—Total ...	81,22,816	52,625	81,75,441
III.—EDUCATION—PRIMARY.				VII.—STREET CLEANSING, CONSERVANCY, ROAD WATERING AND HALALKHORE SERVICE.			
SCHOOL BUILDINGS—				Works completed (as per Report for 1941-42) ...	64,10,238	...	64,10,238
Works completed (as per Report for 1941-42) ...	22,02,272	...	* 22,02,272	Works completed during the year—			
Works completed during the year:—				Remodelling Platforms at Mahalaxmi Sidings ...	60,780	...	60,780
Construction of Municipal School Buildings—					60,780	...	60,780
(1) School Building at Mastan Tank ...	1,03,114	...	1,03,114	Works in progress—	64,71,018	...	64,71,018
(2) Do. Sukhlaji Street ...	2,13,756	244	2,14,000	Conversion of insanitary basket privies into water-closets by subsidising House Owners ...	19,44,693	Cr. 20,832	19,23,861
(3) Do. Dongri ...	2,33,253	...	2,33,253	Construction of stables, chawls and office at Kasarwadi ...	2,01,327	Cr. 11	2,01,316
(4) Do. Gopi Tank, Lady Jamshedji Road ...	10	...	10	Construction of chawls, sanitary conveniences and improvements, etc., to camp at Chembur ...	1,17,626	...	1,17,626
Additions and alterations to the Bullock Hospital at Souter Street to convert it for use as a school building and other offices ...	16,120	...	16,120	Conversion of privies on basket system into water closets by Subsidising House Owners in the northern part of the City ...	1,65,000	29,160	1,94,160
Additions and alterations to the Chandanwadi Market for conversion into School Building ...	20,397	...	20,397	Construction of a chawl for Halalkhore at Bapty Road ...	50,135	2,802	52,937
III.—Education—Primary—Total ...	27,88,922	244	27,89,166	Gunite treatment & repairs to Block B of Health Department Chawls at Palton Road ...	...	62,063	62,063

V.—PUBLIC HEALTH.				VII.—Street Cleansing, etc.—Total		
Works completed (as per Report for 1941-42)	14,04,686	...	14,04,686	...	787	787
Works in Progress—					103	103
Extension of the Bhoiwada Hindu Cemetery	40,047	1,300	41,347	24,78,781	74,072	25,52,853
Provision of compound walls, water connections and a mourners' shed in each of the two burial grounds at Sion	31,099	372	31,471	89,49,799	74,072	90,23,871
Providing a Cemetery for Ahmedia Muslim Community at Bhoiwada	4,814	...	4,814	VIII.—ROADS, DRAINS AND SEWERS.		
Providing bathing and washing places in the City for Municipal employees	22,327	675	23,002	ROADS AND OVERBRIDGES—		
Providing a Cemetery for Hindus at Dharavi	12,610	1,383	13,993	ROADS—		
Providing a Cemetery for Dawoodi Bohra Community	...	84,606	84,606	Works completed (as per Report for 1941-42)		
	1,10,897	88,336	1,99,233	98,69,590	...	† 98,69,590
V.—Public Health—Total	15,15,583	88,336	16,03,919	25,387	Cr. 992	24,395
VI.—MEDICAL RELIEF AND EDUCATION.				98,94,977	Cr. 992	98,93,985
Works completed (as per Report for 1941-42)	71,06,323	...	† 71,06,323	Works completed during the year—		
Construction of Lady Students' Hostel	82,283	...	82,283	Construction of Tulsi Pipe Line Road half width with footpath causing way in front of Plots based to the King George Memorial Infirmary		
	71,88,606	...	71,88,606	32,696	...	32,696
Works completed during the year:—				Additions and alterations to the Bullock Hospital at Souter Street to convert for the as godowns, etc., and other offices		
Construction of Dean's Quarters	68,213	...	68,213	18,010	...	18,010
Construction of Assistant Dean's and two Assistant Medical Officers' Quarters	62,682	...	62,682	50,706	...	50,706
	1,30,895	...	1,30,895	99,45,683	Cr. 992	99,44,691
VI—Medical Relief etc.—Carried forward	73,19,501	...	73,19,501	Works in progress—		
				Remaking Roads in accordance with demands of heavy traffic		
				Permanent construction of existing Kutcha footpath		
				Extension of Ranade Road from Lady Jamshedji Road to Gokhale Road		
				Constructing a pucca retaining wall at the toe of the aWalkeshwar Road to support the Embankment		
				Construction of Tulsi Pipe Line Road between Dadar and Matunga		
				Improvement of the play-ground at Mori Road		
				Providing 20' promenade on the west side and widening the existing carriageway of Hornby Vellard to 60'		
				Roads—Carried over...		
				78,96,094	86,816	79,82,910
				VIII—Roads, Drains & Sewers—Carried over ...		
				99,45,683	Cr. 992	99,44,691

\* Inclusive of Government share of contribution of Rs. 5 lakhs.  
† Exclusive of Rs. 30,000 expended out of the Donation from Sir Ibrahim Rahimtoola Kt., for Combined School and Dispensary at Sandhurst Road and of Rs. 27,268-8-0 expended out of the amount received from Governor's Hospital Fund which was credited to the work of Construction of one new Ward of Small-pox unit at Arthur Road Hospital.

‡ Inclusive of Rs. 1,56,500 contributed by the Port Trust for Wadi Bunder Road.

Appendix No. 8—continued.

	Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Capital Expenditure upto 31st March 1943.		Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
VIII.—ROADS, DRAINS AND SEWERS—Contd.	99,45,683	Cr. 992	99,44,691	VIII—Roads Drains and Sewers Brought forward ...	3,75,74,610	5,00,499	3,80,75,109
Roads—Brought forward ...	78,96,094	86,816	79,82,910	Drains & Sewers—Brought forward ...	3,29,39,323	Cr. 55	3,29,39,268
Widening 1st Marine Street ...	2,83,023	3,196	2,86,219	Drains & Sewer—Works in progress...	42,28,770	79,615	43,08,385
Construction of South approach of Bandra Causeway ...	23,776	37,793	61,569	Construction of water gullies on various roads in the City ...	17,473	433	17,906
Constructing a road and culvert over the drainage channels to the west of Gholbe Mill Passage ...	8,466	3,538	12,004	Renewal of old masonry storm water drains in the City ...	52,165	2,062	54,227
Widening of Chowpaty Road ...	371	1,949	2,320	Improving sewerage facilities in Colaba area ...	38,401	...	38,401
Providing cement concrete carriageway along the 50' road between Tulsī Pipe Line Road and Bhawanishankar Road, including modification of S. W. drainage arrangements ...	31,712	599	32,311	Works in connection with the Scheme for the Sewerage at Wadala-Gowari, parts of Sewri, Sion and Dharavi ...	1,86,666	10,133	1,96,799
Construction of a 40' road in the Palton Road Scheme ...	16,647	4,572	21,219	Works in connection with removal of the surcharged condition of the sewers in the City—			
Permanent construction of narrow by-lanes in the City ...	46,077	...	46,077	(1) Construction of a sump well and supply and erection of a Pumping Station ...	54,439	25,858	80,297
Renewal of surfaces of roads for which no renewa fund exists ...	64,944	Cr. 2,476	62,468	(2) Construction of 42" and 48" high level gravitation sewers in Haines Road ...	1,30,954	...	1,30,954
Providing traffic amenities such as (a) Subways and overbridges (b) Traffic Islands (c) Pedestrian crossings ...	9,665	3,959	13,624	(3) Laying 36" C. I. Rising Main ...	55,889	18,974	74,863
Filling in certain lowlying lands ...	6,272	5,202	11,474	(4) Making connections from existing sewers and S.W. drains to the Sump well ...	10,828	1,114	11,942
Widening the bottleneck at Dharavi Road near the Municipal Sluice House ...	80	...	80	(5) Gravitation Sewer in Arthur Road ...	38	40,304	40,342
Construction of 40' Road between Sayani Road and Khed Gully...	...	676	676	Additional works at Dadar Purification Works—			
Construction of footpath where no footpaths exist ...	...	1,496	1,496	Erecting 3 C. I. (H2 S) Purifiers, etc., over the existing consolidation Tanks at D. P. Works ...	25,817	541	26,358
	83,87,127	1,47,320	85,34,447	Providing Relief drains, etc., for preventing the flooding at Vincent Road near Poibavdi ...	25,871	...	25,871
Roads—Total ...	1,83,32,810	1,46,328	1,84,79,138	Acquisition of land and construction of staff quarters at Dadar Purification Works ...	55,708	4,226	59,934
OVERBRIDGES—				Renewing or remodelling the old subsidiary S.W. drains in the City—			
Works completed (as per Report for 1941-42) ...	48,95,566	...	48,95,566	(1) Providing S.W. drain with the manhole and W.E. in portions of Cannon Road and Murzban Road ...	4,205	...	4,205
Works Completed during the year—				(2) Extension of S.W. drain along Cannon Road, Murzban Road and Bastian Road ...	2,746	...	2,746
Widening Bellasis Road Bridge ...	2,12,750	...	2,12,750				
Works in progress—	51,08,316	...	51,08,316				
Widening the Bridge at Love Grove Pumping Station and improving the bed of the channel ...	3,21,577	1,015	* 3,22,592				
Overbridges—Total ...	54,29,893	1,015	54,30,908				



**STREET IMPROVEMENTS—**

Street Improvements in different places—Set-backs ...	1,35,99,432	3,24,223	1,39,23,655
Adding set-backs to roads ...	1,93,475	28,933	2,22,408
Special Street Improvements ...	19,000	...	† 19,000
<b>Street Improvements—Total ...</b>	<b>1,38,11,907</b>	<b>3,53,156</b>	<b>1,41,65,063</b>

**DRAINS AND SEWERS—**

Works completed (as per Report for 1941-42) ...	3,27,74,894	...	3,27,74,894
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**Works completed during the year—**

Providing a new sewer at Ripon Road ...	205	...	205
Providing S. W. drainage arrangements in view of the existing outlets on Chowpatty foreshore ...	174	...	174
Providing 54" and 51" Hume Pipe S. W. Drain in Tulsi Pipe Line Road for its junction with Haines Road Channel for a distance of 880' towards Fergusson Road ...	34,119	...	34,119
Providing a 9" Pipe Sewer in the Western footpath of Tulsi Pipe Line Road from its junction with Haines Road towards Fergusson Road for a distance of 880' ...	5,867	...	5,867
Providing Purification Works at Love Grove Pumping Station (Preliminary expenses) ...	9,152	...	9,152
Renewing the rising main of the Cumet Street Ejectors and providing a Gravitation Sewer in view of the existing rising main from the South of the Elphinstone Bridge Road to Carnac Road ...	1,00,664	Cr. 55	1,00,609
Laying a 21" gravitation sewer and a rising main in connection with the proposed alteration in the Sewerage arrangement at Poibavdi Junction ...	14,248	...	14,248
	1,64,429	Cr. 55	1,64,374
	3,29,39,323	Cr. 55	3,29,39,268

**Works in progress—**

Sewerage Scheme for the Northern Part of the Island including Sludge Digestion Plant ...	24,60,242	17,068	24,77,310
Construction of Subsidiary and Branch Sewers in connection with the Sewerage Scheme for the Northern Part of the City ...	14,19,175	27,283	14,46,458
Completion of House drainage connections in different parts of the City ...	3,49,353	35,264	3,84,617

<b>Drains &amp; Sewers—Works in progress—Carried forward ...</b>	<b>42,28,770</b>	<b>79,615</b>	<b>43,08,385</b>
<b>Drains and Sewers Carried Over ...</b>	<b>3,29,39,323</b>	<b>Cr. 55</b>	<b>3,29,39,268</b>
<b>VIII—Roads Drains and Sewers Carried Over ...</b>	<b>3,75,74,610</b>	<b>5,00,499</b>	<b>3,80,75,109</b>

\* Inclusive of Rs. 91,234 received from Government on account of contribution from Provincial Share of Petrol Tax Fund for Widening the Bridge at Love Grove Pumping Station.

(3) Providing 12" pipe drain with manholes and water gullies, etc., at T. Parashram Street between Sandhurst Road and Durgadevi Road ...	6,419	...	6,419
(4) Providing 12" pipe drain with manholes and water gullies at Dhabu Street between Sandhurst Road and Grant Road ...	14,520	344	14,864
(5) Providing 12" pipe drain with manholes in Packmodia Street between Guzar Street and Cooper 1st Street ...	5,349	...	5,349
(6) S. W. Drain in Durgadevi Street ...	14,204	8,045	22,249
(7) S. W. Drain in Hope Street ...	11,287	1,473	12,760
Providing under ground S.W. Drains in lieu of the existing open side drains in the City (1) D'Lima Street; (2) Matharpakhadi. Laying a gas main for supplying Sludge Gas to the Turner Sanatorium and Ramesh Premchand T. B. Hospital ...	15,939	15,285	31,224
Replacing the existing 2' x 6'—3' x 9" ovoid Sewer by a 9" Pipe Sewer along Khetwadi Back Road between Charni Road and Khetwadi 19th Lane ...	9,681	5,185	14,866
Reconstruction of the damaged Seawall of the Biological Installation at Banganga together with staff quarters etc. ...	...	1,216	1,216
	49,85,368	2,31,836	52,17,204
<b>Drains and Sewers ...</b>	<b>3,79,24,691</b>	<b>2,31,781</b>	<b>3,81,56,472</b>
<b>VIII.—Roads, Drains and Sewers—Total ...</b>	<b>7,54,99,301</b>	<b>7,32,280</b>	<b>7,62,31,581</b>

**IX.—MECHANICAL.**

Works completed (as per Report for 1941-42) ...	30,14,474	...	30,14,474
Construction of chlorination stations at suitable sites ...	20	...	20
	30,14,494	...	30,14,494
<b>Works in progress—</b>			
Purchase of necessary Plant and Machinery to utilise surplus sludge gas available at the Sludge Digestion Plant to run the Municipal motor lorries ...	49,966	45,434	95,400
Replacing the existing Refrigerator Plant at the A. C. Market with a new and up-to-date Plant ...	146	63	209
Providing additional Bay to the existing Garage at the Municipal Workshops ...	23,175	100	23,275
Provision for increasing the capacity of the sludge return pumps and other incidental works ...	10,504	1,072	11,576
Renewing the old air and sealed Sewage mains in the city ...	...	554	554
	83,791	47,223	1,31,014
<b>IX.—Mechanical—Total ...</b>	<b>30,98,285</b>	<b>47,223</b>	<b>31,45,508</b>

† This was paid out of the Road Improvement Fund.  
‡ This includes Rs. 15,995-1-0 met out of Premia on Loans.

**Appendix No. 8—Continued.**

	Capital Expenditure up to 31st March 1942.	Expenditure during the year.	Total Expenditure upto 31st March 1943.		Capital Expenditure up to 31st March 1942.	Expended during the year.	Total Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
<b>X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT.</b>				<b>XV.—SLUM SERVICE.</b>			
<b>COMPLETED WORKS TRANSFERRED FROM—</b>				Works completed during the year—			
XII.—Building Regulations and other measures for Public Safety— (As per Report for 1941-42) ... ..	17,292	...	17,292	Construction of Drains and filling in storm water, channel from Globe Mill passage to Fergusson Road ... ..	1,27,492	...	1,27,492
Golanji Hill Road (Part expenditure booked under VIII.—Roads, etc. ... ..)	7,66,975	...	7,66,975	Works in progress—			
Hornby Road to Ballard Pier Road ... ..	1,92,87,434	9,777	1,92,97,211	Construction of storm water channel from Haines Road to Love Grove ... ..	1,56,348	1,933	1,58,281
Dalal Street ... ..	4,01,322	...	4,01,322	Construction of Drains and filling in storm water channel from Fergusson Road to Haines Road ... ..	2,61,370	6,506	2,67,876
Mahim Park ... ..	60,80,646	7,753	60,88,399	Closing of open storm water channels—			
Mahalaxmi Overbridge ... ..	13,60,852	1,324	13,62,176	(1) From Worli Road to Sluices ... ..	28,282	579	28,861
Plant and Machinery ... ..	20,673	...	20,673	Realigning, regrading and covering of 750' of open channel drain from Dadar to Century Mills ... ..	43,937	290	44,227
	2,79,17,902	18,854	2,79,36,756	Realigning and regrading open storm water channel from Dadar Pumping Plant upto Century Mill ... ..	...	9,921	9,921
<b>MAHIM DEVELOPMENT SCHEMES—</b>					4,89,937	19,229	5,09,166
Scheme I.—Construction of a proposed road from Lady Jamshedji Road to Mahim Station ... ..	4,64,549	3,977	4,68,526	<b>XV.—Slum Service—Total ...</b>			
Scheme II.—Construction of two proposed roads and a park between Nardulla Tank and Dadar Kumbharwada ... ..	7,73,775	5,027	7,78,802		6,17,429	19,229	6,36,658
Scheme III.—Extension of the new DeLisle Road northwards to Lady Jamshedji Road ... ..	19,05,954	1,327	19,07,281	<b>XVI.—MEASURES FOR CIVIL DEFENCE.</b>			
Scheme IV.—Widening and improving Lady Jamshedji Road ... ..	34,24,545	9,453	34,33,998	Purchase of Stores Equipment ... ..	...	976	976
Scheme V.—Road in continuation of Mahim Bazaar Cross Road to Tulsi Pipe Line Road ... ..	3,21,171	...	3,21,171	<b>DISCOUNT AND OTHER CHARGES ON THE LOANS</b>			
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	Discount and other charges on the loans (as per Report for 1941-42) Discount and other charges on Rs. 25 lakhs loan ... ..	4,61,678	25,012	4,86,690
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) ... ..	4,59,131	5,200	4,64,331		4,61,678	25,012	4,86,690
				<b>PLANT AND MACHINERY.</b>			
				Completed Items—			
				Plant and Machinery purchased (as per Report for 1941-42) ...	5,06,636	...	5,06,636

Scheme VIII.—Roads to the south and north of E. D. Sassoon				VII.—Street Cleansing and Conservancy—			
Dye Works ... ..	2,76,670	...	2,76,670	Purchase of ten steel wood composite wagons (1938-39) ...	27,200	1,033	28,233
Laying mains in Mahim Development Schemes ... ..	96,707	...	96,707	Purchase of one 6 ton Roller ... ..	7,600	Cr. 5,829	1,771
Diversion of water mains affected by the Mahim Development Works ... ..	3,149	...	3,149	Purchase of three 4 ton Rollers ... ..	20,811	Cr. 10,219	10,592
Mahim Development Schemes—Total ... ..	77,89,136	24,984	78,14,120		5,62,247	Cr. 15,015	5,47,232
Interest on Capital ... ..	70,10,837	...	70,10,837	Works in progress—			
				I.—General Supervision—			
X.—Buildings, Land Acquisition and Management Total ...	4,27,35,167	43,838	4,27,79,005	Purchase of scales for the proposed chowkies of the Town Duty Refund Branch at Mahim, Chembur and Sion ...	4,716	...	4,716
				II.—Water Works—			
XI.—FIRE BRIGADE.				Plant and Machinery for Vehar Filtration Scheme ...	10,202	832	11,034
Works completed (as per Report for 1941-42) ... ..	11,83,561	...	11,83,561	Purchase of Pumps for Vehar ... ..	3,220	1,073	4,293
Works in progress—				Hydraulic Ram at Tansa ... ..	2,648	621	3,269
Construction of a Fire Brigade Station at Memonwada ...	...	28,084	28,084	One 24" electrically operated Sluice Valve at Bhandarwada Hill Reservoir ... ..	332	...	332
XI.—Fire Brigade—Total ... ..	11,83,561	28,084	12,11,645	Providing screen to inlet Bay at Vehar and outlet well at Tansa ...	...	16,875	16,875
				Purchasing two 4 seater motor lorries ... ..	...	11,290	11,290
XIII.—GARDENS AND OPEN SPACES.				Purchase of one pipe cutting machine ... ..	...	3,225	3,225
Works completed (as per Report for 1941-42) ... ..	36,76,874	...	36,76,874	Purchase of one double Diaphragm Pumping Set... ..	...	1,950	1,950
XIV.—MARKETS AND SLAUGHTER HOUSES.				Oxy acetylene sets for cutting pipes, etc. ... ..	...	2,116	2,116
Works completed (as per Report for 1941-42) ... ..	78,69,701	...	78,69,701	Purchase of a motor lorry ... ..	...	4,147	4,147
Work completed during the year—				VII.—Street Cleansing and Conservancy—			
Paving roads in the compound of the Arthur Crawford Market with Sett-stone pavements ... ..	16,629	...	16,629	10 Steel wood composite wagons (1939-40) ... ..	29,069	...	2,0699
				VIII.—Roads, Drains and Sewers—			
Works in progress—				Purchase of an air compressor for Electric Motor ... ..	4,647	...	4,647
Construction of Fort Market ... ..	1,27,251	246	1,27,497		54,834	42,129	96,963
Construction of a combined Municipal Market at Worli on plots Nos. 208, 208 and 209 in Scheme No. 52, Worli ... ..	1,10,146	72,736	1,82,882	Assets written off ... ..	6,17,081	27,114	6,44,195
	2,37,397	72,982	3,10,379		Cr. 1,01,792	Cr. 33,709	Cr. 1,35,501
XIV.—Markets and Slaughter Houses—Total ... ..	81,23,727	72,982	81,96,709	Plant and Machinery—Total ... ..	5,15,289	Cr. 6,595	5,08,694
				TRUST FUNDS.			
				Works completed (as per Report for 1941-42) ... ..	35,91,507	...	35,91,507
				Work completed during the year—			
				Construction of a Mourners' Shed in one of the Burial grounds at Sion ... ..	3,925	75	4,000
				Trust Funds,—Carried over ... ..	35,95,432	75	35,95,507

† Out of this, a sum of Rs. 11,004-15-0 was met out of Premia on Lons.

**Appendix No. 8—concluded.**

	Capital Expenditure upto 31st March 1942.	Expended during the Year.	Total Capital Expenditure upto 31st March 1943		Capital Expenditure up to 31st March 1942.	Expended during the Year.	Total Capital Expenditure upto 31st March 1943.
Trust Funds—Brought forward ...	Rs. 35,95,432	75	35,95,507		Rs.		
Works in Progress—				Worn-out Water Mains Renewal Fund—Broughtforward ...	9,20,606	...	9,20,606
Extension of K. E. M. Hospital (Part expenditure under Loan Fund) ...	3,97,877	65,621	4,63,498	Works completed during the year—			
Constructing and equipping additional buildings in the compound of the Turner Sanatorium at Bhoiwada for increasing by 40 beds the accommodation for tubercular patients (Part Expenditure under Loan Fund) ...	49,549	886	50,435	Enlarging 5" and 7" water mains in Naigaum Cross Road to 9" from Naigaum Road upto S. V. on the west of the Railway Lines ...	25,926	...	25,926
Construction of Buildings, etc., for the Tuberculosis Hospital at Sewree (Part Expenditure under Loan Fund) ...	1,55,692	...	1,55,692	Enlarging and extending the 5" main in Cavel Cross Lane No. 7...	12,473	...	12,473
Construction of two seated urinal near play ground and Septic Tank installation at Lakhamsey Naspoo Road ...	...	759	759		38,399	...	38,399
	6,03,118	67,266	6,70,384	Worn-out Water Mains Renewal Fund—Total ...	9,59,005	...	9,59,005
Trust Fund —Total ...	41,98,550	67,341	42,65,891	LAND AND BUILDINGS FUND			
WORN-OUT WATER MAINS RENEWAL FUND				Lands purchased and buildings erected out of the Municipal Land and Buildings Fund—			
Works completed (as per Report for 1941-42) ...	9,20,606	...	9,20,606	Works completed (as per Report for 1941-42) ...	43,03,044	...	43,03,044
Carried forward ...	9,20,606	...	9,20,606				

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*Municipal Commissioner.*

## Statement showing (1) the total amount of Municipal Loans raised (2) the expenditure

(1)	Amount raised.			Amounts repaid out of cash balance.			Net amount available for expenditure.			I.—General Superintendence, Collection of Revenue.	II.—Water Works.	III.—Education, Primary.	V.—Public Health.	VI.—Medical Relief and Education	VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)						
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.						
Total of different Municipal loans raised (as per Annual Report for 1941-42) ...	25,61,32,919 6 3	1,08,97,520 4 0	24,52,35,399 2 3												
Loan of Rs. 25 Lakhs sanctioned for 1941-42.	25,00,000 0 0	...	25,00,000 0 0												
Advance from Special Funds for purchase of Plant & Machinery	27,100 0 0	...	27,100 0 0												
<b>Total Ra. ...</b>	<b>25,86,60,019 6 3</b>	<b>1,08,97,520 4 0</b>	<b>24,77,62,499 2 3</b>	<b>13,91,749 12 5</b>	<b>9,83,02,526 4 7</b>	<b>22,89,165 15 11</b>	<b>36,07,831 10 6</b>	<b>74,75,440 13 11</b>	<b>88,98,756 9 3</b>						
<b>Works executed out of Special Funds and Contributions—</b>															
<b>(1) Out of Contributions from—</b>															
G.I.P. Railway for removing and relaying 32 <sup>nd</sup> Vchar Main, South of Kurla ...					3,74,000 0 0										
Port Trust for Wari Bunder Road															
Government for Construction of Primary School Buildings						5,00,000 0 0									
<b>(2) Out of Premia on Loans</b>															
					2,40,000 0 0										
<b>(3) Out of Special Funds—</b>															
Invested Fund				7,34,326 8 3											
Nasbit Road Invested Fund															
Road Improvement Fund															
Loan Works Establishment															
Development Fund Receipts					1,40,647 12 7				3,02,317 3 8						
Contribution from Revenue towards Bai Jerbai Wadia Hospital for Children								7,00,000 0 0							
Contribution from Government out of the Provincial Share of Petrol Tax Fund for widening the Love Grove Bridge.															
				21,26,076 4 8	9,90,57,174 1 2	27,89,165 15 11	36,07,831 10 6	81,75,440 13 11	92,01,073 12 11						
<b>Deduct—</b>															
Plague Expenditure							20,00,000 0 0								
Amounts written off on account of properties not existing				82,305 14 10			3,912 13 0		1,77,202 5 0						
Expenditure on account of Municipal Printing Press Machinery transferred Vide C. R. No. 856 of 11-12-40							20,03,912 13 0								
<b>Total Ra. ...</b>	<b>20,43,770 5 10</b>	<b>9,90,57,174 1 2</b>	<b>27,89,165 15 11</b>	<b>16,03,918 13 6</b>	<b>81,75,440 13 11</b>	<b>90,23,871 7 11</b>									

J. K. DARUVALA,  
Chief Accountant.

No. 9.

incurred there against and (3) the invested balances of the Loans on 31st March 1943.

VIII.—Roads, Drains and Sewers.	IX.—Mechanical.	X.—Buildings, Land Acquisition and Management.	XI.—Fire Brigade.	XIII.—Gardens and Open Spaces.	XIV.—Markets and Slaughter Houses.	XV.—Slum Service.	XVI.— Measures for civil Defence.	Discount and other charges on Loans.	Plant and Machinery.	Total amount Expended on Works up to 31st March 1943.	Balance unexpended on 1st April 1943.
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
7,61,91,477 11 11	31,45,507 11 7	2,97,89,894 14 0	12,11,645 5 9	36,59,004 4 1	81,83,359 9 4	6,36,658 3 0	975 12 0	4,75,685 3 3	7,72,842 3 0	24,60,32,522 0 6	17,29,977 1 9
...	...	...	...	...	...	...	...	...	...		
1,56,500 0 0	...	...	...	...	...	...	...	...	...		
15,995 1 0	...	...	...	...	53,848 11 11	...	...	11,004 15 0	...		
49,844 8 0	...	...	...	...	...	...	...	...	...		
19,000 0 0	...	...	...	...	...	...	...	...	...		
...	...	...	...	17,869 15 8	...	...	...	...	...		
...	...	1,29,89,110 7 5	...	...	...	...	...	...	...		
91,234 0 0	...	...	...	...	...	...	...	...	...		
7,65,24,051 4 11	31,45,507 11 7	4,27,79,005 5 5	12,11,645 5 9	36,76,874 3 9	82,37,208 5 3	6,36,658 3 0	975 12 0	4,86,690 2 3	7,72,842 3 0		
...	...	...	...	...	...	...	...	...	...		
2,92,469 15 0	...	...	...	...	40,499 14 11	...	...	...	1,35,501 5 0		
...	...	...	...	...	...	...	...	...	1,28,647 0 0		
7,62,31,581 5 11	31,45,507 11 7	4,27,79,005 5 5	12,11,645 5 9	36,76,874 3 9	81,96,708 6 4	6,36,658 3 0	975 12 0	4,86,690 2 3	5,08,693 14 0		

Total Receipts (Col. 4) ... Rs. a. p. 24,77,62,499 2 3  
 Total expenditure (Col. 21) 24,60,32,522 0 6  
 Balance ... \*17,29,977 1 9

\*Inclusive of (1) the sum of Rs.57-13-0 out of the Advance for the purchase of Plant and Machinery and (2) the sum of Rs.2,531-10-0 out of the Advance from Net Premia Fund for Renewal of Road Surfaces for which no Renewal Fund exists.

M. D. BHAT,  
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 1943, 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 1943.*

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 1943 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			† Rs.		Rs.
<i>6 per cent. Municipal Loans (4 per cent. basis).</i>						
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 1924	2,85,280	1st December 1925	74,13,677
<i>5 and 6 per cent. Municipal Loans (3½ per cent. basis).</i>						
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.	3,40,615	1st January 1893	18,55,841
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 1920	5,089	1st July 1921	1,68,826
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	9,42,632
37 Lakhs Loan (1929-30)	26,21,500	From 19th July 1929 to 1st August 1929.	1st August 1959	50,782	1st August 1930	8,37,325
31.43 Lakhs Loan for the repayment of 40 Lakhs Loan due 19th December 1929.	26,14,000	Do.	1st August 1959 or at the option of the Corporation on or after 1st August 1949 on giving three months' notice by public advertisement.	50,637	Do.	8,34,939
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.	1st August 1959 or at the option of the Corporation on or after 1st August 1954 on giving three months' notice by public advertisement.	16,379	Do.	2,70,072
40 Lakhs Loan (1930-31)	40,00,000	From 20th September 1930 to 6th October 1930.	1st September 1960 or at the option of the Corporation on or after 1st September 1950 on giving 3 Months' notice by public advertisement.	77,484	1st June 1931	11,64,420
<i>4 per cent. Municipal Loans (3½ per cent. basis).</i>						
25 Lakhs Loan for Sewerage, Water, etc. Works.	25,00,000	17th and 18th July 1899.	1st November 1939	...	...	1,000
19½ Lakhs Loan for Sewerage Roads and other Sanitary Works.	19,25,000	18th and 19th July 1899 and Sept. 1900.	1st June 1940	...	...	7,000
24½ Lakhs Loan for certain Sewerage and Water Works.	24,75,000	6 Lakhs between 15th June and 1st July 1901. 11 lakhs between 23rd August and 31st October 1901. 4 lakhs between 19th August and 28th October 1902 and 3½ lakhs on 9th September 1903.	1st June 1943	29,429	1st June 1904	24,31,474
30 Lakhs Loan for Buildings Drainage Works, etc.	30,00,000	1st November 1920	1st January 1951	58,113	1st January 1922	18,95,156
						1,04,08,685
					Carried forward	1,78,22,362
(a)	Rs.	Repayable on	Less— Repaid—	Rs.		Balance. Rs.
	2,00,000	1-1-1928.	From 1-1-1928	2,00,000		...
	52,91,500	1-1-1933.	.. 1-1-1933 to 31-3-1940	52,91,500		...
	22,08,500	1-1-1943.	.. 1-1-1943	21,56,500		52,000
	17,00,000	1-1-1946.		...		17,00,000
	10,00,000	1-1-1948.		...		10,00,000
	43,00,000	1-1-1953.		...		43,00,000
	<u>Rs. 1,47,00,000</u>			<u>76,48,000</u>		<u>70,52,000</u>

† All the Sinking Fund Instalments were re-arranged during 1906-07 on a 3½ per cent. basis as per Corporation Resolution No. 4946 of 9th February 1905 and were further re-arranged from 1st April 1928 as per Corporation Resolution No. 6114 of 12th September 1927.

## Appendix No. 10—concluded.

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 1943 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			Rs.		Rs.
4 per cent. Municipal Loans (3 per cent. basis). 2nd 24½ Lakhs Loan for Sewerage Works.	24,75,000	12 lakhs on 3rd September 1905, and 12½ lakhs on 9th September 1907.	1st August 1946	32,823	Brought over 1st August 1907	1,78,22,362 21,18,428
13½ Lakhs Loan for the construction of Quarters for Halalkhores and Biggaries.	13,50,000	7th August 1908	1st May 1938	...	'	10,000
15 Lakhs Loan for Street Improvements.	15,00,000	29th July 1909	1st May 1949	19,893	1st May 1910	11,25,787
30 Lakhs Loan for the acquisition of sites for the construction of various Overbridges in the City.	30,00,000	29th July 1909 and 10th August 1910.	1st May 1949	40,448	1st November 1910 and subsequent instalments from 1st May 1911 and 1st May 1929.	22,47,317
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. Rs. 70,00,000	78,148	1st June 1915	34,38,817
20 Lakhs Loan for Street Improvements.	20,00,000	9th September 1913 and 24th September 1915.	1st May 1955	26,524	1st May 1916	11,09,464
43 Lakhs Loan for Drainage Water and Miscellaneous Works.	43,00,000	1st August and 24th September 1915.	1st May 1945	90,382	1st May 1916	37,80,590
3½ per cent. Municipal Loans (3 per cent. basis).						1,38,30,403
9 Lakhs Loan (1935-36)	9,00,000	31st January 1936	14th March 1966	18,917	14th March 1937	1,45,166
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	2,05,320
25 Lakhs Loan (1941-42)	25,00,000	Between 1st September 1942 and 15th February 1943.	1st March 1972	52,548	1st March 1943	52,679
3 per cent. Municipal Loans (3 per cent. basis).						4,03,165
24½ Lakhs Loan (1936-37)	18,50,000 6,00,000	1st November 1936 1st June 1937	1st February 1967	51,498	1st February 1938	3,34,773
30 Lakhs Loan (1937-38)	30,00,000	1st April 1938	14th March 1968	63,058	14th March 1939	3,35,278
30 Lakhs Loan (1938-39)	30,00,000	Between 16th January 1939 and 1st June 1939.	1st March 1969	63,058	1st March 1940	2,64,468
64 Lakhs Loan (1939-40)	64,00,000	Between 1st December 1939 and 1st September 1940.	1st March 1970	1,34,523	1st March 1941	4,16,836
						13,51,355
					Total Rs.	3,34,07,285

1	Amount actually invested upto 31st March 1943.				Amount of Interest accrued upto 31st March 1943 collected and invested in 1943-44		7
	Amount of Sinking Fund invested upto 31st March 1942.	Sinking Fund Instalments paid in 1942-43.	Interest, etc., accumulations invested in 1942-43.	Total.	Rs.	a. p.	
	Rs.	Rs.	Rs.	Rs.	Rs.	a. p.	Rs.
Sinking Funds	3,69,77,689	18,56,579	14,33,763	4,02,68,031			
Deduct—Withdrawn for repayment of Loans				† 76,56,976			
Total Sinking Funds				3,26,11,055			
In Public Securities as detailed in Appendix No. 16-A				3,26,10,843			
In Cash with the Imperial Bank of India.				211			
Total				† 3,26,11,055	3,39,799	13 9	3,29,50,855 9 3

† The amount met from the Net Premia Fund on account of repayment of Loans representing the difference between the market value and book value of the securities withdrawn from the Sinking Fund is Rs. 23-12-0.

‡ The market value of the securities on 31st March 1943 is Rs. 3,48,49,588-3-8 as shown in Appendix No. 16-A and after adding the cash balance of Rs. 211-12-10 and the interest accrued on the securities upto 31st March 1943 amounting to Rs. 3,39,799-13-9 the total amount of Sinking Fund is Rs. 3,51,89,599-14-3.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.



*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 1942.	Amount raised in 1942-43	Total.	Amount re-paid in 1942-43
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	Vehar Water Works Debt	4 per cent.	9,94,054 11 9	A	9,94,054 11 9	75,576 3 0
2	Conversion Loan for the repayment of Rs. 125 Lakhs taken from Government out of the 6½ per cent. Bombay Development Loan	3½ per cent.	54,26,385 9 0	B	54,26,385 9 0	5,28,723 7 0
		5½ per cent.	27,09,930 1 0	C	27,09,930 1 0	1,85,820 14 0
3	2nd Instalment out of the Loan of Rs. 1½ crores for Water Works Roads, Drainage and Sewerage, &c.	(inclusive of Income-tax). 4½ per cent.	12,98,314 5 0	C	12,98,314 5 0	92,588 1 0
4	140 Lakhs Loan for General Supervision, Fire Brigade, &c., purposes	5½ per cent.	63,71,926 5 0	C	63,71,926 5 0	4,36,927 1 0
		5½ per cent.	14,46,784 1 0	C	14,46,784 1 0	89,587 13 0
5	65 Lakhs Loan for Tansa Triplication Scheme	5½ per cent.	37,50,000 6 0	C	37,50,000 6 0	2,32,206 0 0
6	2½ Crores Loan for Water Works, General Supervision and Development &c., purposes	5½ per cent.	62,45,753 8 0	C	62,45,753 8 0	3,86,747 15 0
7	2 Crores Loan for major Development Works	5½ per cent.	73,42,020 8 0	D	73,42,020 8 0	4,54,630 15 0
		5 per cent.	77,81,827 2 0	C	77,81,827 2 0	4,39,329 10 0
		5 per cent.	14,20,080 3 0	D	14,20,080 3 0	80,172 0 0
		5½ per cent.	32,82,443 11 0	C	32,82,443 11 0	1,64,597 11 0
		5½ per cent.	26,25,957 6 0	C	26,25,957 6 0	1,31,679 4 0
		5 per cent.	20,25,641 7 0	C	20,25,641 7 0	93,871 15 0
8	150 Lakhs Loan (1925-26)	5 per cent.	27,00,840 15 0	C	27,00,840 15 0	1,25,163 15 0
		3½ per cent.	27,35,250 9 0	C	27,35,250 9 0	1,27,858 1 0
Total Loans raised from Government Rs.			5,81,57,210 11 9		5,81,57,210 11 9	36,45,480 13 0
<b>Loans raised from the Public.</b>						
1	The Tansa Water Works Loan (Rs. 147 Lakhs)	5 per cent.	92,08,500 0 0		92,08,500 0 0	(a) 21,56,500 0 0
2	The 13½ Lakhs Loan for the construction of quarters for Halalkhore and Bigaries	4 per cent.	10,000 0 0		10,000 0 0	(a) ...
3	25 Lakhs Loan for Sewerage, Water and other Sanitary Works	4 per cent.	1,000 0 0		1,000 0 0	(a)
4	19½ Lakhs Loan for Sewerage, Roads and other Sanitary Works	4 per cent.	7,500 0 0		7,500 0 0	(a) 500 0 0
5	24½ Lakhs Loan for certain Sewerage and Water Works	4 per cent.	24,75,000 0 0		24,75,000 0 0	(a)
6	The 2nd 24½ Lakhs Loan for certain Sewerage Works	4 per cent.	24,75,000 0 0		24,75,000 0 0	(a)
7	The 15 Lakhs Loan for Street Improvements	4 per cent.	15,00,000 0 0		15,00,000 0 0	(a)
8	The 30 Lakhs Loan for the Acquisition of Sites for the Construction of Overbridges...	4 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
9	The 55 Lakhs Loan for Drainage, Sanitary, Water and other Miscellaneous Works	4 per cent.	55,00,000 0 0		55,00,000 0 0	(a) 55,00,000 0 0
10	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)
11	The 20 Lakhs Loan for Street Improvements	4 per cent.	20,00,000 0 0		20,00,000 0 0	(a)
12	The 43 Lakhs Loan for Drainage Water, Roads and Miscellaneous Works	4 per cent.	43,00,000 0 0		43,00,000 0 0	(a)
13	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)
14	The 30 Lakhs Loan for the construction of Building and Drainage Works and the Acquisition of Land for different purposes	4 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
15	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)
Carried over Rs. ...			4,82,54,000 0 0		4,82,54,000 0 0	76,57,000 0 0
Carried over Rs. ...			5,81,57,210 11 9		5,81,57,210 11 9	36,45,480 13 0

A—The loan is payable in monthly instalments of Rs. 9,498 (Principal and Interest) out of Revenue. No Sinking Fund has been created for this loan.

B—This loan is repayable out of revenue in annual equal instalments including principal and interest based on the amortisation of the loans within a period of 15 years. No Sinking Fund has been created for this loan.

C—These loans are payable out of revenue in annual equal instalments including principal and interest based on the amortisation of the loans within a period of 30 years. No Sinking Fund has been created for these loans.

D—These loans are raised for development purposes. The programmes of repayment have been approved under Corporation Resolutions Nos. 5253 of 11th September 1928 and 81 of 3rd May 1934.

(e) As under the terms of these loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been invested as shown in detail in Appendix No. 10.

## No 11.

April 1942 on the different Loans, the amount payable for the year 1942-43 the amount paid by the and the balances outstanding on 31st March 1943.

Balance due on 31st March 1943.	Interest outstanding on 1st April 1942.	Interest payable in 1942-43	Total interest due	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding balance on 31st March 1943
8	9	10	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
9,18,478 8 9	...	38,399 13 0	38,399 13 0	38,399 13 0	...
48,97,662 2 0	...	1,76,357 9 0	1,76,357 9 0	1,76,357 9 0	...
25,24,109 3 0	...	1,49,046 2 0	1,49,046 2 0	1,49,046 2 0	...
12,05,726 4 0	...	61,669 15 0	61,669 15 0	61,669 15 0	...
59,34,999 4 0	...	3,50,455 15 0	3,50,455 15 0	3,50,455 15 0	...
13,57,196 4 0	...	75,956 3 0	75,956 3 0	75,956 3 0	...
35,17,794 6 0	...	1,96,875 0 0	1,96,875 0 0	1,96,875 0 0	...
58,59,005 9 0	...	3,27,902 1 0	3,27,902 1 0	3,27,902 1 0	...
68,87,389 9 0	...	3,85,456 1 0	3,85,456 1 0	3,85,456 1 0	...
73,42,497 8 0	...	3,89,091 6 0	3,89,091 6 0	3,89,091 6 0	...
13,39,908 3 0	...	71,004 0 0	71,004 0 0	71,004 0 0	...
31,17,846 0 0	...	1,72,328 5 0	1,72,328 5 0	1,72,328 5 0	...
24,94,278 2 0	...	1,37,862 12 0	1,37,862 12 0	1,37,862 12 0	...
19,31,769 8 0	...	1,01,282 1 0	1,01,282 1 0	1,01,282 1 0	...
25,75,677 0 0	...	1,35,042 1 0	1,35,042 1 0	1,35,042 1 0	...
26,07,392 8 0	...	1,02,571 15 0	1,02,571 15 0	1,02,571 15 0	...
5,45,11,729 14 9	...	28,71,301 3 0	28,71,301 3 0	28,71,301 3 0	...
70,52,000 0 0	9,190 7 0	4,32,819 0 0	4,42,009 7 0	4,30,171 13 0	11,837 6 0
E 10,000 0 0	1,782 14 0	...	1,782 14 0	...	*0 4 0
E 1,000 0 0	1,010 12 0	...	1,010 12 0	...	1,782 14 0
E 7,000 0 0	1,801 7 4	...	1,801 7 4	130 13 0	1,010 12 0
24,75,000 0 0	4,582 0 8	99,000 0 0	1,03,582 0 8	96,993 3 0	1,670 10 4
24,75,000 0 0	1,426 14 0	99,000 0 0	1,00,426 14 0	99,208 7 0	6,588 13 8
15,00,000 0 0	2,357 3 0	60,000 0 0	62,357 3 0	58,260 0 0	1,218 7 0
30,00,000 0 0	18,891 10 0	1,20,000 0 0	1,38,891 10 0	1,12,879 9 0	4,097 3 0
...	24,600 0 0	36,667 0 0	61,267 0 0	61,266 10 8	26,012 1 0
70,00,000 0 0	5,081 12 2	2,80,000 0 0	2,85,081 12 2	2,78,341 0 0	*0 5 4
20,00,000 0 0	1,963 2 0	80,000 0 0	81,963 2 0	80,717 6 0	6,740 12 2
43,00,000 0 0	...	1,72,000 0 0	1,72,000 0 0	1,72,000 0 0	1,245 12 0
10,00,000 0 0	...	50,000 0 0	50,000 0 0	50,000 0 0	...
30,00,000 0 0	...	1,20,000 0 0	1,20,000 0 0	1,20,000 0 0	...
67,77,000 0 0	16,279 8 0	4,06,620 0 0	4,22,899 8 0	3,79,685 12 0	43,213 12 0
4,05,97,000 0 0	88,967 10 2	19,56,106 0 0	20,45,073 10 2	19,39,654 9 8	1,05,418 7 2
5,45,11,729 14 9	...	28,71,301 3 0	28,71,301 3 0	28,71,301 3 0	*0 9 4

\* To be treated as savings.

E—Debentures in respect of these loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1943. 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.

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1942.	Amount raised in 1942-43.	Total.	Amount re-paid in 1942-43.
1	2	3	4	5	6	7
	Brought forward ...		Rs. a. p. 5,81,57,210 11 9	Rs. a. p.	Rs. a. p. 5,81,57,210 11 9	Rs. a. p. 36,45,400 13 0
	Brought forward ...		4,82,54,000 0 0		4,82,54,000 0 0	76,57,000 0 0
	<b>Loans raised from the Public—contd.</b>					
16	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)
17	Rs. 25 Lakhs Loan (1927-28) ...	5 per cent.	25,00,000 0 0		25,00,000 0 0	(a)
18	Rs. 37 Lakhs Loan (1929-30) ...	5 per cent.	26,21,500 0 0		26,21,500 0 0	(a)
19	Rs. 31.43 Lakhs Loan for the repayment of Rs. 40 Lakhs Loan due 19th December 1929 ...	5 per cent.	26,14,000 0 0		26,14,000 0 0	(a)
20	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)
21	Rs. 40 Lakhs Loan (1950-60) ...	6 per cent.	40,00,000 0 0		40,00,000 0 0	(a)
22	Rs. 9 Lakhs Loan (1935-36) ...	3½ per cent.	9,00,000 0 0		9,00,000 0 0	(a)
23	Rs. 24½ Lakhs Loan (1936-37) ...	3 per cent.	24,50,000 0 0		24,50,000 0 0	(a)
24	Rs. 30 Lakhs Loan (1937-38) ...	3 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
25	Rs. 30 Lakhs Loan (1938-39) ...	3 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
26	Rs. 64 Lakhs Loan (1939-40) ...	3 per cent.	64,00,000 0 0		64,00,000 0 0	(a)
27	Rs. 48 Lakhs Loan (1940-41) ...	3½ per cent.	48,00,000 0 0		48,00,000 0 0	(a)
28	Rs. 25 Lakhs Loan (1941-42) ...	3½ per cent.	...	25,00,000 0 0	25,00,000 0 0	(a)
	Total Loans raised from the public ...		9,06,08,000 0 0	25,00,000 0 0	9,31,08,000 0 0	76,57,000 0 0
	<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.	6,66,939 8 0		6,66,939 8 0	20,170 1 0
2	Rs. 13 lakhs Advance from Special Fund (1932-33) ...					
3	Rs. 8 lakhs from Renewal of Road Surfaces Fund ...	4½ per cent.	6,47,985 10 0		6,47,985 10 0	19,180 10 0
4	Rs. 1½ lakhs from Plant and Machinery Depreciation Fund ...	4½ per cent.	1,21,494 4 0		1,21,494 4 0	3,596 12 0
5	Rs. 3½ lakhs from Plant and Machinery Depreciation Fund ...	4½ per cent.	2,96,186 13 0		2,96,186 13 0	8,158 9 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.	4,17,855 2 0		4,17,855 2 0	12,200 13 0
8	Rs. 3 lakhs from Renewal of Surfaces Fund ...	4 per cent.	2,57,752 1 0		2,57,752 1 0	7,038 15 0
9	Advance from Net Premia fund for repayment of an advance from Fines Fund ...	4 per cent.	2,50,713 2 0		2,50,713 2 0	7,320 8 0
10	Rs. 8.69 lakhs Advance from Special Funds ...					
11	Rs. 5 lakhs from Net Premia Fund ...	4 per cent.	4,29,586 10 0		4,29,586 10 0	11,731 8 0
12	Rs. 3.69 lakhs from Net Premia Fund ...	4 per cent.	3,25,361 10 0		3,25,361 10 0	8,324 8 0
13	Advances from Land Sales Reserve Fund ...					
14	Rs. 18.75 lakhs (1937-38) ...	3 per cent.	18,75,000 0 0		18,75,000 0 0	...
15	Rs. 3.50 lakhs (1938-39) ...	3 per cent.	3,50,000 0 0		3,50,000 0 0	...
	<b>Advances for purchase of Plant and Machinery from Net Premia Fund—</b>		56,38,874 12 0		56,38,874 12 0	97,722 4 0
16	Advance of Rs. 83,000 taken in 1936-37 ...	3 per cent.	61,137 0 0		61,137 0 0	4,773 14 0
17	Advance of Rs. 1,91,500 taken in 1937-38 ...	3 per cent.	1,25,134 10 0		1,25,134 10 0	9,769 15 0
18	Advance of Rs. 2,16,600 taken in 1938-39 ...	3 per cent.	1,41,522 0 0		1,41,522 0 0	8,282 5 0
19	Advance of Rs. 1,71,400 taken in 1939-40 ...	3 per cent.	1,06,835 3 0		1,06,835 3 0	6,252 15 0
20	Advance of Rs. 40,100 taken in 1940-41 ...	3 per cent.	37,532 0 0		37,532 0 0	2,645 1 0
21	Advance of Rs. 43,200 taken in 1941-42 ...	3 per cent.	43,200 0 0		43,200 0 0	1,985 0 0
22	Advance of Rs. 27,100 taken in 1942-43 ...	3 per cent.	...	27,100 0 0	27,100 0 0	...
	Total ...		5,15,360 13 0	27,100 0 0	5,42,460 13 0	33,709 2 0
	<b>Advance from Net Premia Fund for meeting expenditure on Renewal of Road Surface for which no provision exists in the Renewal of Road Surface Fund—</b>					
23	Advance of Rs. 31,200 taken in 1940-41 ...	3 per cent.	29,522 0 0		29,522 0 0	1,728 5 0
24	Advance of Rs. 33,800 taken in 1941-42 ...	3 per cent.	33,800 0 0		33,800 0 0	1,817 0 0
	Total ...		63,322 0 0		63,322 0 0	3,545 5 0
	Total Advances from Special Funds ...		62,17,557 9 0	27,100 0 0	62,44,657 9 0	1,34,976 11 0
	<b>Grand Total ...</b>		15,49,82,768 4 9	25,27,100 0 0	15,75,09,868 4 9	1,14,37,457 8 0

(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.

J. K. DARUVALA,  
Chief Accountant.

## No. 11—concluded.

Balance due on 31st March 1943.	Interest outstanding on 1st April 1942	Interest payable in 1942-43	Total Interest due.	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding Balance on 31st March 1943
8	9	10	11	12	13
Rs. a. p. 5,45,11,729 14 9	Rs. a. p. ...	Rs. a. p. 28,71,301 3 0	Rs. a. p. 28,71,301 3 0	Rs. a. p. 28,71,301 3 0	Rs. a. p. ...
4,05,97,000 0 0	88,967 10 2	19,56,106 0 0	20,45,073 10 2	19,39,654 9 8	1,05,418 7 2 *0 9 4
92,23,000 0 0	11,920 15 0	5,53,330 0 0	5,65,300 15 0	5,43,318 1 0	21,982 14 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	8,038 9 0	1,31,075 0 0	1,39,113 9 0	1,34,716 8 0	4,397 1 0
26,14,000 0 0	8,042 4 0	1,30,700 0 0	1,38,742 4 0	1,28,190 1 0	10,552 3 0
8,45,500 0 0	5,039 3 0	42,275 0 0	47,314 3 0	45,035 12 0	2,278 7 0
40,00,000 0 0	11,043 1 0	2,40,000 0 0	2,51,043 1 0	2,30,655 1 0	20,408 0 0
9,00,000 0 0	15,750 0 0	31,500 0 0	47,250 0 0	15,750 0 0	31,500 0 0
24,50,000 0 0	...	73,500 0 0	73,500 0 0	73,500 0 0	...
30,00,000 0 0	...	90,000 0 0	90,000 0 0	90,000 0 0	...
30,00,000 0 0	...	90,000 0 0	90,000 0 0	90,000 0 0	...
64,00,000 0 0	...	1,92,000 0 0	1,92,000 0 0	1,92,000 0 0	...
48,00,000 0 0	...	1,68,000 0 0	1,68,000 0 0	1,68,000 0 0	...
25,00,000 0 0	...	87,500 0 0	87,500 0 0	19,833 5 0	*67,666 11 0
8,54,51,000 0 0	1,48,801 10 2	39,11,036 0 0	40,59,837 10 2	37,95,633 5 8	1,96,537 0 2 *67,667 4 4
6,46,769 7 0	...	33,346 15 0	33,346 15 0	33,346 15 0	...
6,28,805 0 0	...	29,159 6 0	29,159 6 0	29,159 6 0	...
1,17,897 8 0	...	5,467 4 0	5,467 4 0	5,467 4 0	...
2,88,028 4 0	...	13,328 7 0	13,328 7 0	13,328 7 0	...
4,05,654 5 0	...	16,714 3 0	16,714 3 0	16,714 3 0	...
2,50,713 2 0	...	10,310 1 0	10,310 1 0	10,310 1 0	...
2,43,392 10 0	...	10,028 8 0	10,028 8 0	10,028 8 0	...
4,17,855 2 0	...	17,183 8 0	17,183 8 0	17,183 8 0	...
3,17,037 2 0	...	13,014 8 0	13,014 8 0	13,014 8 0	...
18,75,000 0 0	...	56,250 0 0	56,250 0 0	56,250 0 0	...
3,50,000 0 0	...	10,500 0 0	10,500 0 0	10,500 0 0	...
55,41,152 8 0	...	2,15,302 12 0	2,15,302 12 0	2,15,302 12 0	...
56,363 2 0	...	1,834 2 0	1,834 2 0	1,834 2 0	...
1,15,364 11 0	...	3,754 1 0	3,754 1 0	3,754 1 0	...
1,33,239 11 0	...	4,245 11 0	4,245 11 0	4,245 11 0	...
1,00,582 4 0	...	3,205 1 0	3,205 1 0	3,205 1 0	...
34,886 15 0	...	1,125 15 0	1,125 15 0	1,125 15 0	...
41,215 0 0	...	6,928 13 0	6,928 13 0	1,296 0 0	*5,632 13 0
27,100 0 0	...	...	...	...	...
5,08,751 11 0	...	21,093 11 0	21,093 11 0	15,460 14 0	*5,632 13 0
27,793 11 0	...	885 11 0	885 11 0	885 11 0	...
31,983 0 0	...	2,579 3 0	2,579 3 0	1,014 0 0	*1,565 3 0
59,776 11 0	...	3,464 14 0	3,464 14 0	1,899 11 0	*1,565 3 0
61,09,680 14 0	...	2,39,861 5 0	2,39,861 5 0	2,32,663 5 0	*7,198 0 0
14,60,72,410 12 9	1,48,801 10 2	70,22,198 8 0	71,71,000 2 2	68,99,597 13 8	1,96,537 0 2 *74,865 4 4

\* To be treated as savings.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 12.**  
**WATER WORKS ACCOUNT.**  
*Revenue Account for the year ended 31st March 1943.*

INCOME.	Rs.	EXPENDITURE.	Rs.
Water Tax and other Miscellaneous Water Works Revenue— <i>Vide</i> details in Appendix—No. 3) ...	92,39,065	General Superintendence (4th proportion of) ...	96,966
		Assessment and collection Charges (3/10th proportion of) ...	1,89,130
		Provident Fund, Pension, etc., charges ...	1,02,619
		Maintenance of Water Works ( <i>vide</i> Appendix No. 4) ...	10,60,132
		New Works ( <i>vide</i> Appendix No. 4) ...	22,204
		Surplus carried down ...	14,71,051
		Total Rs. ...	77,68,014
Total Rs. ...	92,39,065	Total Rs. ...	92,39,065

*Net Revenue Account for the year ended 31st March 1943.*

	Rs.		Rs.
Surplus brought down ...	77,68,014	Interest on Water Works Loans (Debt) -	
		<i>Due to Government—</i>	
		Vehar Debt ...	38,400
		75 Lakhs out of 1½ Crores Loan ...	1,51,521
		65 Lakhs Loan for Tansa Triplication Scheme ...	1,96,875
		2 Crores Loan for Major Development Works ...	3,39,516
		2½ Crores Loan for General Supervision, Water Works, etc. ...	4,755
		150 Lakhs Loan 1925-26 ...	3,73,016
		82.67 Lakhs Conversion Loan ...	84,373
		<i>Due to the Public—</i>	11,88,456
		147 Lakhs Tansa Water Works Loan ...	4,30,172
		25 Lakhs Sewerage, etc., Works Loan ...	1,253
		24½ Lakhs Sewerage and Water Works Loan ...	23,749
		55 Lakhs for Miscellaneous Works ...	4,468
		70 Lakhs for Reduplication of the Tansa Main and other Auxiliary Works ...	2,77,971
		43 Lakhs for Drainage, Water, Roads and Miscellaneous Works ...	5,093
		160 Lakhs for Improvement of water supply in Bombay ...	9,23,004
		31.43 Lakhs Loan ...	32,048
		37 Lakhs Loan ...	2,127
		40 Lakhs Loan ...	7,625
		24½ Lakhs Loan (1936-37) ...	16,258
		9 Lakhs Loan ...	2,459
		30 Lakhs Loan (1937-38) ...	26,045
		30 Lakhs Loan (1938-39) ...	27,819
		64 Lakhs Loan (1939-40) ...	22,408
		48 Lakhs Loan (1940-41) ...	24,748
		25 Lakhs Loan (1941-42) ...	4,008
		<i>Advances from Special Funds—</i>	18,31,255
		Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ...	348
		Rs. 3 Lakhs advance from Renewal of Road Surface Fund ...	1,064
		Rs. 3.69 Lakhs advance from Net Premia Fund ...	1,248
		Rs. 83,000 advance from Net Premia Fund ...	265
		Rs. 2,16,600 from Net Premia Fund ...	537
		Rs. 1,71,400 Do. do. ...	349
		Rs. 40,100 Do. do. ...	470
		Rs. 43,200 Do. do. ...	196
			4,477
			30,24,188
		Accrued interest on Rs. 25 Lakhs Loan of 1941-42 ...	1,474
		Commission to the Imperial Bank of India for payment of Interest on the Water Works portion of the different Loans ...	6,620
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ...	1,444
			8,064
		Reduction of debt or investment of Sinking Fund of the following Water Works Loans:—	
		Vehar Debt ...	75,576
		Tansa Water Works Loan of Rs. 147 Lakhs ...	3,40,615
Carried forward ...	77,68,014	Carried forward ...	4,16,191
		Carried forward ...	30,33,726

**Appendix No. 12—concluded.**  
**WATER WORKS ACCOUNT.**

*Net Revenue Account for the year ended 31st March 1943—concluded.*

INCOME—Concl.	Rs.	EXPENDITURE—concl.	Rs.
Brought forward Rs....	77,68,014	Brought forward	30,33,726
		Brought forward Rs. ....	4,16,191
		24½ Lakhs Loan ... ..	7,206
		55 Lakhs Loan ... ..	8,870
		70 Lakhs Loan for Reduplication of the Tansa Main and other Auxiliary Works	78,045
		43 Lakhs Loan for Drainage, Water, Roads and Miscellaneous Works	2,676
		1½ Crores Loan for Drainage, Water, etc., Works (2nd instalment)	2,00,198
		65 Lakhs Loan for Tansa Triplication Scheme	2,32,206
		2 Crores Loan for Major Development Works	3,53,372
		160 Lakhs Loan for improvement of the water supply in Bombay ...	2,85,280
		2½ Crores Loan for General Supervision, Water Works, etc., purposes	5,609
		150 Lakhs Loan 1925-26	3,49,629
		25 Lakhs Loan 1927-28	485
		31.43 Lakhs Loan ... ..	12,659
		37 Lakhs Loan ... ..	800
		40 Lakhs Loan ... ..	2,562
		82.67 Lakhs Conversion Loan ... ..	2,52,951
		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) ... ..	14,862
		25 Lakhs Loan of (1941-42) ... ..	10,620
		8½ Lakhs advance from Plant and Machinery Depreciation Fund ...	210
		3 Lakhs advance from Renewal of Road Surfaces Fund	727
		3.69 Lakhs advance from Net Premia Fund	797
		83,000 Advance from Net Premia Fund ... ..	689
		2,16,600 Advance from Net Premia Fund ... ..	1,048
		1,71,400 " " " " " " " " " " " "	681
		40,100 " " " " " " " " " " " "	1,106
		43,200 " " " " " " " " " " " "	300
			23,07,567
		Surplus—	
		Excess of Income over Expenditure	53,41,293
		Total Debt Charges ... ..	24,26,721
Total Rs. ....	77,68,014	Total Rs. ....	77,68,014

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 12A.**  
**WATER WORKS ACCOUNT.**

*Schedule of Liabilities and Assets at 31st March 1943.*

LIABILITIES.	Rs.	ASSETS.	Rs.
<b>I.—DEBT PRINCIPAL—</b>		<b>I.—PROPERTIES—</b>	
<i>Due to Government—</i>		Water Works executed out of Loan, Surplus and Reserve Funds ( <i>vide</i> Appendix No. 8)	
Vehar Debt ... ..	9,18,479	Out of Loan Reserve Funds—	
82.67 Lakhs Conversion Loan ... ..	23,43,149	Ordinary Works ... ..	4,91,10,883
75 Lakhs out of 1½ Crores Loan ... ..	26,82,032	Tansa Completion Works ... ..	4,99,46,291
2½ Crores Loan ... ..	84,970	Works executed out of Worn-out Water Mains Renewal Fund ... ..	9,59,005
65 Lakhs Loan for Tansa Triplication Scheme ... ..	35,17,794	Plant and Machinery 1,11,215	
2 Crores Loan for Major Development Works ... ..	62,72,831	Less—Written off ... ..	12,321
150 Lakhs Loan (1925-26) ... ..	69,79,386		98,894
Total ... ..	2,27,98,641		
<i>Due to the Public—</i>		<b>II.—INVESTMENTS—</b>	
Tansa Water Works Loan of 147 Lakhs ... ..	70,52,000	1. Imperial Bank of India—Municipal Loans Sinking Fund Deposit Account—(Water Works portion) ... ..	1,37,46,388
Water Works portion of 13½ Lakhs Loan ... ..	5	2. Imperial Bank of India—Worn-out Water Mains Renewal Fund Deposit Account ( <i>vide</i> Appendix No. 6) ... ..	4,946
Water Works portion of the 25 Lakhs Loan for Sewerage, Roads and other Works ... ..	93	3. Imperial Bank of India—Net Premia on different Municipal Loans Deposit Account ( <i>vide</i> note* to Appendix No. 6) ... ..	19,93,812
Water Works portion of the 24½ Lakhs Loan for certain Sewerage and Water Works ... ..	6,06,035		
70 Lakhs Loan for the Reduplication of the Tansa Main and other Auxiliary Works ... ..	69,90,737		
Water Works portion of 43 Lakhs Loan for Miscellaneous Works ... ..	1,27,313		
160 Lakhs Loan for the improvement of the water-supply in Bombay ... ..	1,60,00,000		
Water Works portion of the 25 Lakhs Loan (1927-28) ... ..	25,060		
Water Works portion of 31-43 Lakhs Loan ... ..	6,53,500		
Water Works portion of 37 Lakhs Loan ... ..	38,620		
Water Works portion of 40 Lakhs Loan (1928-29) ... ..	1,32,250		
Water Works portion of Rs. 9 Lakhs Loan ... ..	1,40,534		
Water Works portion of 24½ Lakhs Loan (1936-37) ... ..	5,36,517		
Water Works portion of 30 Lakhs Loan (1937-38) ... ..	8,59,545		
Water Works portion of 30 Lakhs Loan (1938-39) ... ..	9,18,028		
Water Works portion of 64 Lakhs Loan 1939-40) ... ..	7,39,529		
Water Works portion of 48 Lakhs Loan (1940-41) ... ..	7,00,000		
Water Works portion of 25 Lakhs Loan of (1941-42) ... ..	5,00,000		
	3,60,19,766		
<i>Advances from Special Funds—</i>			
Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ... ..	6,739		
Rs. 3 Lakhs Advance from Renewal of Road Surfaces Fund ... ..	25,885		
Rs. 3.69 Lakhs Advance from Net Premia Fund ... ..	30,395		
	63,019		
Rs. 83,000 Advance from Net Premia Fund for purchase of Plant and Machinery ... ..	22,553		
Rs. 2,16,600 Advance from Net Premia Fund for purchase of Plant and Machinery ... ..	18,497		
Rs. 1,71,400 Advance from Net Premia Fund for purchase of Plant and Machinery ... ..	10,951		
Rs. 40,100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1940-41 ... ..	14,577		
Rs. 43,200 Advance from Net Premia Fund for purchase of Plant and Machinery in 1941-42 ... ..	6,235		
Rs. 27,100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1942-43 ... ..	26,081		
	98,894		
<b>II.—SINKING FUNDS ON MUNICIPAL LOANS (invested as per contra) ... ..</b>	<b>1,37,46,388</b>		
<b>III.—SPECIAL FUNDS—</b>			
Worn-out Water Mains Renewal Fund (invested as per contra) ... ..	4,946		
Net Premia Fund (invested as per contra) ... ..	19,93,812		
<b>IV.—CAPITAL ACCOUNT—</b>			
General Reserve being Asset in excess of Liabilities 4,11,47,074			
Less—Assets Written off ... .. 12,321			
	4,11,34,753		
Total ... ..	11,58,60,219	Total ... ..	11,58,60,219

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*Municipal Commissioner.*

**Appendix No. 13.**  
**MARKETS AND SLAUGHTER HOUSES ACCOUNT.**  
*Revenue Account for the year ended 31st March 1943.*

INCOME.	Rs.	EXPENDITURE.	Rs.
Income for the year— <i>vide</i> details in Appendix No. 3 ... ..	15,20,267	General Superintendence (2½ per cent. proportion of) ... ..	19,393
		Provident Fund and Pension, etc., charges ... ..	23,948
		Maintenance Charges of Markets and Slaughter Houses ( <i>vide</i> Appendix No. 4)— Amount shown under IX.—Mechanical, D.—Transport, (11) Markets and Slaughter Houses, and E.—Refrigerator ... ..	1,38,160
		Amount shown under XIV.—Markets and Slaughter Houses ... ..	3,45,921
		New Works ( <i>vide</i> Appendix No. 4) ... ..	5,681
		Surplus carried down ... ..	9,87,164
	15,20,267	Total Rs. ... ..	15,20,267

*Net Revenue Account for the year ended 31st March 1943.*

	Rs.	Interest on Loans.	Rs.
Surplus brought down ... ..	9,87,164	<i>Due to Government—</i>	
		Rs. 1½ Crores Loan ... ..	2,332
		Rs. 140 Lakhs Loan ... ..	24,729
		Rs. 2 Crores Loan ... ..	28,953
		Rs. 82.67 Lakhs Conversion Loan ... ..	6,756
			62,770
		<i>Due to Public—</i>	
		Rs. 55 Lakhs Loan ... ..	667
		Rs. 43 Lakhs Loan ... ..	2,320
		Rs. 30 Lakhs Loan ... ..	8,000
		Rs. 24½ Lakhs Loan ... ..	848
		Rs. 30 Lakhs Loan (1937-38) ... ..	2,327
		Rs. 30 Lakhs Loan (1938-39) ... ..	4,465
		Rs. 48 Lakhs Loan (1940-41) ... ..	7,603
		Rs. 25 Lakhs Loan (1941-42) ... ..	481
			26,711
		<i>Advance from Special Funds—</i>	
		Rs. 8 Lakhs from Plant and Machinery Depreciation Fund ... ..	1,811
			91,292
		Accrued Interest on Rs. 25 Lakhs Loan of 1941-42 ... ..	177
		Commission to the Imperial Bank of India for the payment of Interest on the portions of the different Loans ... ..	61
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ... ..	93
			154
		<b>Reduction of Debt or Investment of Sinking Fund.</b>	
		Rs. 43 Lakhs Loan ... ..	1,219
		Rs. 55 Lakhs Loan ... ..	1,325
		Rs. 30 Lakhs Loan ... ..	3,874
		Rs. 24½ Lakhs Loan ... ..	593
		Rs. 30 Lakhs Loan (1937-38) ... ..	1,630
		Rs. 1½ Crores Loan ... ..	3,080
		Rs. 140 Lakhs Loan ... ..	30,681
		Rs. 2 Crores Loan ... ..	32,693
		Rs. 82.67 Lakhs Conversion Loan ... ..	20,947
		Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ... ..	1,097
		Rs. 30 Lakhs Loan (1938-39) ... ..	3,128
		Rs. 48 Lakhs Loan (1940-41) ... ..	4,566
		Rs. 25 Lakhs Loan (1941-42) ... ..	1,274
			1,06,107
		Total Debt Charges ... ..	1,97,730
		Surplus—Excess of Income over Expenditure... ..	7,89,434
Total Rs. ... ..	9,87,164	Total Rs. ... ..	9,87,164

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.



**Appendix No. 14.**  
**MUNICIPAL PRINTING PRESS.**  
*Income and Expenditure for the year 1942-43.*

Expenditure.	Details.	Amount.	Income.	Details.	Amount.
	Rs.	Rs.		Rs.	Rs.
Materials on hand and works in progress on 1st April 1942	...	61,893			
Expenditure during the year—					
Establishment—					
(a) Permanent	... 12,853				
(b) Allowances	... 900	13,753			
Labour	...	57,132			
Materials	...	88,610			
Out Work	...	1,720			
Electric Power	...	1,425	Amount chargeable to the departments for work done	...	1,69,423
Contingencies—					
(a) Contingencies	... 1,326				
(b) Printing and Stationery	... 1,078				
(c) Delivery Charges	... 606		Amount chargeable to the private parties for work done	...	8,891
(d) Books and Dead Stock	... 356				
(e) Lighting	... 687	4,053			
Repairs to Machinery	...	1,089			
Depreciation	...	591	Amount of sale of waste paper & Metal ash	...	1,141
Rent	...	6,000			
Provident Fund	...	4,302			
Debt charges—					
(1) Interest*	... 7,914				
(2) Repayment of capital	... 4,709	12,623	Stock at close—		
Proportionate Share of T. A. O.'s Salary	...	4,783	Works in progress	...	19,138
Private Works—			Materials on hand	...	67,890
Labour	...	1,425			
Materials	...	5,391			
Contingencies	...	1,006			
Proportionate share of T.A.O.'s Salary	...	195			
		2,65,991			
Difference representing nett profit on the working of the Press transferred to revenue.		492			
		2,66,483			2,66,483

\*Exclusive of interest amounting to Rs. 1089 due but not adjusted.

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*Municipal Commissioner.*

**Appendix No. 14—A.**  
**Statement of Advance Accounts for 1942-43.**

Name of Account.	Opening Balance on 1st April 1942.	Debits during 1942-43.	Total.	Credits during 1942-43.	Closing Balance on 31st March 1943.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>Departmental Works—</b>					
Water Works	23,385	11,476	34,861	16,739	18,122
Printing Press	69,859	1,96,081	2,65,940	1,72,680	(a) 93,260
Workshops	72,100	2,05,833	2,77,933	2,21,926	56,007
Architectural Branch	726	56,081	56,807	39,833	16,974
Roads, Buildings and Drainage	23,593	4,86,192	5,09,785	4,40,152	69,633
Health Department	...	3,767	3,767	2,738	1,029
<b>Total</b>	<b>1,89,663</b>	<b>9,59,430</b>	<b>11,49,093</b>	<b>8,94,068</b>	<b>2,55,025</b>
<b>Private Works—</b>					
Workshops	44	22,210	22,254	2,022	20,232
Water Works	1,24,036	26,984	1,51,020	39,668	1,11,352
Roads, Buildings and Drainage	92,360	1,75,961	2,68,321	1,54,536	1,13,785
Architectural Branch	1,253	2,446	3,699	1,944	1,755
Health Department	431	574	1,005	579	426
Printing Press	1,253	8,018	9,271	9,148	123
Housing Numbering	1,583	161	1,744	1,350	394
<b>Total</b>	<b>2,20,960</b>	<b>2,36,354</b>	<b>4,57,314</b>	<b>2,09,247</b>	<b>2,48,067</b>
<b>Asphalt Plant, Crushers, etc.—</b>					
Asphalt Plant	72,209	41,238	1,13,447	43,834	(b) 69,613
Sewri Crushers	30,372	51,137	81,509	29,364	(c) 52,145
Mechanical Transport	1,690	1,40,364	1,42,054	1,38,092	(d) 3,962
Love Grove Crushers	8,623	42,645	51,268	38,197	(e) 13,071
Manufacture of Pre-cast concrete slabs	11,201	2,193	13,394	2,391	(f) 11,003
<b>Total</b>	<b>1,24,095</b>	<b>2,77,577</b>	<b>4,01,672</b>	<b>2,51,878</b>	<b>1,49,794</b>
<b>Municipal Officers—</b>					
Dishonoured cheques	...	5,78,797	5,78,797	5,77,797	1,000
Standing advance for Contingent Expenses	19,692	21,510	41,202	1,000	40,202
Motor cars and motor cycles to officers	3,010	3,900	6,910	4,131	2,779
<b>Total</b>	<b>22,702</b>	<b>6,04,207</b>	<b>6,26,909</b>	<b>5,82,928</b>	<b>43,981</b>
<b>Miscellaneous Advances</b>	2,11,978	3,06,337	5,18,315	3,20,170	* 1,98,145
<b>Improvement Schemes</b>	3,365	1	3,366	2,250	1,116
<b>Total</b>	<b>2,15,343</b>	<b>3,06,338</b>	<b>5,21,681</b>	<b>3,22,420</b>	<b>1,99,261</b>
<b>Advances, Measures for Civil Defence</b>	16,983	23,58,533	23,75,516	23,29,174	46,342
<b>Municipal Contractors</b>	783	24,956	25,739	17,882	7,857
<b>Municipal Tenderers</b>	...	1,002	1,002	1,002	...
<b>Purchase of Coal</b>	3,549	11,588	15,137	142	14,995
<b>Purchase of Petrol†</b>	16,373	3,27,834	3,44,207	3,60,671	†Cr. 16,464
<b>Total</b>	<b>20,705</b>	<b>3,65,380</b>	<b>3,86,085</b>	<b>3,79,697</b>	<b>6,388</b>
<b>Grand Total</b>	<b>8,10,451</b>	<b>51,07,819</b>	<b>59,18,270</b>	<b>49,69,412</b>	<b>9,48,858</b>

(a) Works in progress ... Rs. 67,890  
 Materials on hand ... 19,138  
 Outstanding Bills ... 6,232  
Rs. 93,260

(b) Stock on hand ... Rs. 35,447	(c) Stock on hand ... Rs. 51,281	(d) Outstanding bills ... Rs. 3,962	(e) Stock on hand ... Rs. 11,962	(f) Stock on hand ... Rs. 2,226
Outstanding bills 5,389	Outstanding bills 293	Stock on hand Nil	Outstanding bills 1,109	Outstanding bills 8,777
Loss to be adjusted during 1943-44. 28,777	unadjusted loss carried forward 571			
<b>Total ... 69,613</b>	<b>Total ... 52,145</b>	<b>Total ... 3,962</b>	<b>Total ... 13,071</b>	<b>Total ... 11,003</b>

\* Includes Rs. 20,000 on account of Municipal Contribution to the Schools Committee for maintaining the minimum Cash Balance as required under Bye-law No. 10 relating to the Schools Committee.

† Stock received in 1942-43 but paid for in 1943-44	Rs. 32,687
Deduct—	
Outstanding Petrol and Diesel oil bills	697
Stock in hand with M.E. Petrol	14,561
" " " Diesel oil	965
	<u>16,223</u>
<b>Total ...</b>	<b>16,464</b>

**J. K. DARUVALA,**  
Chief Accountant.

**M. D. BHAT,**  
Municipal Commissioner.

## Appendix No. 14-B.

Statement showing Advances out of Special Funds during 1942-43.

Name of Account.	Opening Balance on 1st April 1942.	Debits during 1942-43.	Total.	Credits during 1942-43.	Closing Balance on 31st March 1943.
	Rs.	Rs.	Rs.	Rs.	Rs.
Charges met out of—					
Municipal Fire and Accident Insurance Fund ... ..	...	3,713	3,713	3,713	...
Net Premia Fund ... ..	...	2,884	2,884	2,884	...
Fines Fund ... ..	5,000	2,43,198	2,48,198	1,85,797	62,401
Garden Fund ... ..	...	76	76	76	...
G. S. M. College and K. E. M. Hospital Research Fund ... ..	...	5,228	5,228	5,228	...
Slum Service Fund ... ..	...	19,668	19,668	19,668	...
Renewal of Road Surfaces Fund ... ..	...	7,914	7,914	7,914	...
K. E. M. Hospital & G. S. M. College Equipment Fund ... ..	...	15,619	15,619	15,619	...
Advance from Plant and Machinery Depreciation Fund for—					
Purchases of Machinery, etc., pending adjustment against the provisions for depreciation in subsequent years ... ..	95,812	...	95,812	10,131	85,681
Levelling, metalling, etc., Private Streets... ..	1,12,809	17,543	1,30,352	42,414	87,938
Advance from Net Premia Fund for purchase of Machinery for the Municipal Printing Press ... ..	1,54,470	...	1,54,470	4,710	1,49,760
Advances for Capital Works from—					
Municipal Fire and Accident Insurance Fund ... ..	4,17,855	...	4,17,855	12,201	4,05,654
Plant and Machinery Depreciation Fund ... ..	10,84,621	...	10,84,621	31,926	10,52,695
Renewal of Road Surfaces Fund ... ..	9,05,737	...	9,05,737	26,219	8,79,518
Net Premia Fund ... ..	15,84,344	27,100	16,11,444	64,631	15,46,813
Land Sales Reserve Fund ... ..	22,25,000	...	22,25,000	...	22,25,000
<b>Total Rs. ...</b>	<b>65,85,648</b>	<b>3,42,943</b>	<b>69,28,591</b>	<b>4,33,131</b>	<b>64,95,460</b>

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 14-C.

## Statement of Deposit Accounts for 1942-43.

Name of Account.	Opening Balance on 1st April 1942.	Credits during 1942-43.	Total.	Debits during 1942-43.	Closing Balance on 31st March 1943.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>A.—Cash Deposits from Contractors, etc.—</b>					
(1) From Contractors ...	3,54,667	1,92,231	5,46,898	2,46,353	3,00,545
(2) From Tenderers ...	2,26,160	3,71,008	5,97,168	3,91,740	2,05,428
	5,80,827	5,63,239	11,44,066	6,38,093	5,05,973
<b>B.—Cash Deposits from private parties received through Departmental Officers—</b>					
(1) City Engineer ...	5,27,423	2,82,272	8,09,695	3,13,261	4,96,434
(2) Hydraulic Engineer ...	4,33,865	1,73,103	6,06,968	2,08,760	3,98,208
(3) Assessor and Collector ...	2,36,278	96,42,802	98,79,080	94,13,605	4,65,475
(4) Executive Health Officer ...	16,967	41,074	58,041	19,368	38,673
(5) Estate Agent and Land Manager—					
(i) Improvement Schemes ...	3,03,131	2,86,968	5,90,099	2,11,929	3,78,170
(ii) Municipal Properties ...	5,63,307	78,310	6,41,617	1,08,507	5,33,110
(6) Dean, (i) K. E. M. Hospital ...	3,468	12,873	16,341	15,151	1,190
Dean, (ii) G. S. M. College ...	30,948	40,311	71,259	52,588	18,671
(7) Superintendent of Licences ...	41,030	1,02,220	1,43,250	1,02,856	40,394
(8) Superintendent of Markets ...	1,32,735	62,858	1,95,593	31,880	1,63,713
(9) Controller of Stores ...	55	20,783	20,838	18,742	2,096
(10) Election and Town Duty Officer ...	647	2,435	3,082	2,639	443
(11) Municipal Commissioner ...	468	704	1,172	1,172	...
(16) Chief Officer, Fire Brigade ...	3,476	10,950	14,426	13,976	450
(17) Superintendent of Gardens ...	8,534	2,165	10,699	2,488	8,211
(18) Mechanical Engineer ...	4,009	61,939	65,948	53,940	12,008
	23,06,341	1,08,21,767	1,31,28,108	1,05,70,862	25,57,246
<b>C.—Other Cash Deposits ...</b>	2,62,689	19,98,860	22,61,549	17,91,126	4,70,423
<b>D.—Cash Deposits from Lessees ...</b>	21,94,847	15,67,390	37,62,237	9,19,486	28,42,751
<b>E.—Paper Deposits (Kept in Office)—</b>					
(1) From Contractors, etc. ...	18,200	41,80,500	41,98,700	41,44,800	53,900
(2) From Tenderers ...	49,800	99,400	1,49,200	80,800	68,400
(4) Securities held under objection ...	9,200	9,100	18,300	12,200	6,100
	77,200	42,89,000	43,66,200	42,37,800	1,28,400
<b>F.—Paper Deposits from Municipal employees and contractors lodged with the Imperial Bank of India ...</b>	6,32,600	1,78,708	8,11,308	3,92,108	4,19,200
<b>G.—Paper Deposits from lessees, etc., lodged with the Imperial Bank of India ...</b>	2,79,900	52,500	3,32,400	75,300	2,57,100
<b>H.—Cash deposits from A. G. Bombay for A.R.P. expenditure ...</b>	...	11,64,309	11,64,309	9,12,604	2,51,705
<b>Total ...</b>	63,34,404	2,06,35,773	2,69,70,177	1,95,37,379	74,32,798

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 14-D.

## Statement of Reserve stock for 1942-43.

Name of Account.	Opening Balance on 1st April 1942.	Debits during 1942-43.	Total.	Credits during 1942-43.	Closing Balance on 31st March 1943.
	Rs.	Rs.	Rs.	Rs.	Rs.
General Stores Account ...	3,75,899	9,86,345	13,62,244	7,95,988	5,66,256
Capital Stores Account ...	1,90,139	3,83,477	5,73,616	3,13,224	2,60,392
Line Suspense Account ...	97,204	150	97,354	2,494	94,860
Water Works ...	3,362	5,937	9,299	3,215	6,084
<b>Total ...</b>	6,66,604	13,75,909	20,42,513	11,14,921	9,27,592

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
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 1943.

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	" 24½ " " ... ..	33,000	0 0	1- 6-1943
"	" 43 " " " " ... ..	71,666	10 8	1- 5-1945
1922-23	" 147 " " Portion Rs. 17,00,000 ...	42,500	0 0	1- 1-1946
1923-24	" 2nd 24½ " " ... ..	16,500	0 0	1- 8-1946
1922-23	" 147 " " Portion Rs. 10,00,000 ...	25,000	0 0	1- 1-1948
1923-24	" 15 " " " " ... ..	25,000	0 0	1- 5-1949
"	" 50 " " (Overbridges) ... ..	50,000	0 0	1- 5-1949
1925-26	" 30 " " (Miscellaneous Works) ...	30,000	0 0	1- 1-1951
1922-23	" 147 " " Portion Rs. 43,00,000 ...	1,07,500	0 0	1- 1-1953
1923-24	" 70 " " Portion Rs. 49,40,000 ...	65,866	10 8	1- 6-1954
1924-25	" 160 " " " " ... ..	3,20,000	0 0	1-12-1954
1923-24	" 20 " " " " ... ..	33,333	5 4	1- 5-1955
1927-28	" 25 " " " " ... ..	31,250	0 0	1- 1-1958
1929-30	" 37 " " " " ... ..	21,846	0 0	1- 8-1959
"	" 31-43 " " " " ... ..	21,784	0 0	1- 8-1959
"	" 28 " " " " ... ..	7,046	0 0	1- 8-1949 or after 1- 8-1959
1923-24	" 70 " " Portion Rs. 20,60,000 ...	27,466	10 8	1- 8-1954 or after 1- 6-1974
1925-26	" 10 " " " " ... ..	12,500	0 0	1- 7-1980
1932-33	" 40 " " " " ... ..	80,000	0 0	1- 9-1960 or after 1- 9-1950
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	14-3-1966
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
	Total Rs.	10,84,864	0 0	

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

Statement showing the amounts of the Receipts and Expenditure respectively credited at the credit of the Fund at the close of the

	Details.		Total.	
	Rs.	a. p.	Rs.	a. p.
Balance on 1st April 1941 ...				
<b>RECEIPTS—A.—REVENUE ACCOUNT.</b>				
1. General Tax, Indirect Taxation and Miscellaneous Revenue.	A.—General Tax	1,47,94,959 3 4		
	B.—Town Duties	14,82,649 0 5		
	C.—Grants-in-aid of the fees for Land Conveyance, Music etc., Licences	2,505 0 0		
	D.—Grants-in-aid in respect of fines for offences against the Law	1,09,335 13 0		
	E.—Interest and Profit on Investment of Surplus Loan and other balances	2,31,111 10 6		
	F.—Interest on Plant and Machinery Depreciation Fund	65 868 13 0		
	G.—Miscellaneous	2,32,273 0 1		
			1,69,18,702 8 4	
2. Water Works—Water Tax and other Miscellaneous Water Works Revenue			92,39,064 9 0	
3. Education—Primary			9,51,557 10 6	
4. Education—Secondary			136 9 6	
5. Public Health Department			99,857 7 6	
6. Medical Relief and Education			1,66,389 0 8	
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service—				
	A.—Halalkhore Tax	38,74,535 10 0		
	B.—Miscellaneous	1,41,374 3 7		
			40,15,909 13 7	
8. Roads, Drains and Sewers—				
	A.—Wheel Tax and Government Contribution in lieu of Tolls	18,14,307 14 6		
	B.—Ground Rent	1,53,653 0 0		
	C.—Miscellaneous	1,55,087 8 6		
	D.—Interest realised on Donations	1,861 12 0		
			21,24,910 3 0	
9. Mechanical			1,14,958 12 0	
10. Buildings, Land Acquisition and Management—				
	A.—Sale Proceeds of Surplus Land	10,00,000 0 0		
	B.—Rent of Buildings	39,870 0 0		
	C.—Ground Rent	2,10,148 7 11		
	D.—Miscellaneous	2,05,332 4 11		
			14,55,350 12 10	
11. Fire Brigade—				
	A.—Fire Tax	6,67,933 12 0		
	B.—Miscellaneous	27,090 1 0		
			6,95,023 13 0	
12. Licensing and Removal of Encroachments on Public Streets—administration of Shops & Establishment Act.				
	A.—Licences for Dangerous and Offensive Trades	2,30,478 6 0		
	B.—Removal of Encroachments on Public Streets	1,63,463 2 0		
	C.—Miscellaneous	1,53,496 3 8		
			5,47,437 11 8	
13. Gardens and Open Spaces			51,412 7 3	
14. Markets and Slaughter Houses			15,20,267 5 11	
15. Contribution from Capital Funds to Revenue on account of Loan Works Staff			70,564 1 0	
16. Extraordinary Receipts			7,57,617 6 0	
17. Rebate on account of collection of Urban Immovable Property Tax in the City			1,72,781 3 11	
18. (a) Excess accumulations in the plant and Machinery Depreciation Fund			...	
Total Revenue Receipts Rs			3,89,01,941 7 8	

and debited to the Municipal Fund during the year 1942-43 and the balance year 1942-43 (i. e. 31st March 1943).

	Details.		Total.	
	Rs.	a. p.	Rs.	a. p.
<b>EXPENDITURE A.—REVENUE ACCOUNT.</b>				
I.—General Supervision, Collection of Revenue, etc.—				
A.—General Superintendence	5,26,459	2 3		
B.—Collection of Revenue	7,71,691	3 1		
C.—Upkeep of Municipal Head Office	31,692	11 1		
D.—General Stores	76,290	1 0		
E.—Miscellaneous Charges	92,737	5 2		
F.—Election Expenses	46,910	6 4		
New Works	2,695	2 0		
Debt Charges	29,722	11 0		
Proportion of General Superintendence chargeable to Water Works, Markets, etc., and Improvement Schemes Account	Cr. 4,24,208	2 0		
II.—Water Works	10,60,132	1 4	11,53,990	7 11
New Works	22,203	12 6		
Debt Charges	53,41,292	11 6		
Proportion of General Supervision and Collection of Revenue Provident Fund and Pension, etc., charges	2,86,096	5 0		
	1,02,618	11 9		
III.—Education—Primary	42,27,019	10 7	68,12,343	10 1
New Works				
Debt Charges	1,84,802	3 6		
IV.—Education—Secondary			44,11,821	14 1
V.—Public Health Department			14,751	5 0
A.—General Supervision	5,10,388	4 7		
B.—Epidemics	22,329	14 9		
C.—Vaccination	64,653	12 9		
D.—Malaria	2,26,755	6 8		
E.—Miscellaneous	88,515	15 2		
F.—Medical Inspection of School Children including Travelling, Dental Clinic.	38,037	0 9		
G.—Supply of milk to the undernourished needy children attending Municipal Schools	54	13 0		
H.—Census.				
New Works	4,418	10 0		
Debt Charges	54,868	5 0		
VI.—Medical Relief and Education—			10,10,072	2 8
A.—Hospitals and Dispensaries—				
(a) Infectious Diseases Hospitals	2,88,411	11 9		
(b) Maternity Homes	1,18,868	13 4		
(c) Dispensaries for Out-patients	98,464	11 10		
B.—Medical and Nursing Assistance to poor people in their homes	235	1 6		
C.—Statutory Contribution to Government Medical Institutions	4,14,500	0 0		
D.—Anti-Tuberculosis League Dispensary	1,08,273	10 9		
E.—Dispensary for Combating Venereal Diseases	34,464	4 0		
F.—Hospital for the treatment of cases of Leprosy	3,250	0 0		
G.—King Edward Memorial Hospital	7,22,935	7 5		
H.—Gordhandas Sunderdas Medical College	2,68,316	0 8		
New Works	4,910	9 0		
Debt Charges	4,56,850	9 6		
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—			25,19,480	15 9
A.—Street Cleansing and Conservancy	19,81,465	0 8		
B.—Transport of Refuse, etc., to Deonar	2,39,467	0 9		
C.—Road Watering	14,774	1 8		
D.—Halalkhore Service	3,35,798	7 8		
New Works	11,562	13 0		
Debt Charges	3,90,659	1 2		
VIII.—Roads, Drains and Sewers—			29,73,726	8 11
A.—General	1,62,736	2 6		
B.—Maintenance of Roads	8,25,980	14 7		
C.—Public Lighting	10,50,955	4 0		
D.—Cleansing of Drains and Sewers and Street Connections	3,30,427	0 2		
E.—Rebate on Account of the compounded wheel-tax, etc.	1,72,983	0 0		
New Works	39,205	12 9		
Debt Charges	36,51,473	2 9		
IX.—Mechanical—			62,33,761	4 9
A.—Mechanical Engineer's Office Staff	62,326	3 4		
B.—Pumping Purification Works, Compressor Stations and Flood Gates	4,92,652	7 6		
C.—Supervision of Factories, Workshops and Work-places	10,906	1 0		
D.—Transport	7,43,218	6 7		
E.—Refrigerator	19,213	6 0		
F.—Oiling and Greasing Surplus Machinery				
New Works	2,689	10 0		
Debt Charges	1,64,700	11 6		
X.—Buildings, Land Acquisition and Management—			14,95,706	13 11
A.—City Engineer's Central Office Establishment	92,408	11 0		
B.—Inspection and Supervision of Private Buildings	2,23,162	2 6		
C.—Architectural	80,955	0 0		
D.—Land Acquisition and Management	52,642	15 10		
New Works	2,582	0 0		
Debt Charges	18,09,611	7 6		
Proportionate share of cost of Establishment and Supervision Chargeable to Improvement Schemes Account	Cr. 8,593	0 0		
XI.—Fire Brigade	3,04,126	1 10	22,52,769	4 10
Do. New Works	2,507	7 0		
Do. Debt Charges	67,943	3 0		
Proportion of General Supervision Provident Fund, Pension, etc., Charges	23,518	2 0		
	86,481	8 0		
XII.—Licensing and Removal of Encroachments on Public Streets and administration of Shops and Establishment Act	1,87,486	1 4	1,87,486	1 4
New Works				
XIII.—Gardens and Open Spaces	1,66,542	8 1		
Do. New Works	547	8 0		
Do. Debt Charges	2,16,761	1 5		
XIV.—Markets and Slaughter Houses and administering the Weights & Measures Act	3,45,921	6 1	3,83,851	1 6
Do. New Works	5,680	8 0		
Do. Debt Charges	1,97,729	11 0		
Proportion of General Supervision Provident Fund, Pension, etc., Charges	19,393	4 0		
	23,948	4 0		
XV.—Contribution towards Improvements Schemes			5,92,673	1 1
XVI.—Provident Fund, Pensions Gratuities and Compassionate Allowances			24,69,485	4 0
XVII.—Urban Immovable Property Tax on Municipal Properties in the city			10,61,021	6 9
XVIII.—Grain Compensation			47,839	12 0
XIX.—Grants in aid to Public Institutions			9,72,830	1 6
XX.—Measures for Civil Defence			2,12,699	10 5
XXI.—Extraordinary Measures			11,55,548	1 2
			19,012	11 9
Total Revenue Expenditure Rs.			3,64,65,448	1 3

## Appendix

	Details.		Total.	
	R	a. p.	Rs.	a. p.
<b>RECEIPTS—B.—CAPITAL ACCOUNT—</b>				
<b>Loan Funds—</b>				
Debt—Principal—				
Advance from Net Premia Fund for Purchase of Plant and Machinery	27,100	0 0		
Advances from Net Premia Fund for Renewal of Road Surfaces for which no Provision Exists in the				
Renewal Fund	...			
Loan of (1939-40)	...			
New Loan 1942-43	25,00,000	0 0		
			25,27,100	0 0
<b>Trust Fund—</b>				
Receipts on Donations, etc.	67,266	4 0		
Interest on investments	632	12 0		
			67,899	0 0
<b>Worn out Water Mains Renewal Fund—</b>				
Interest on Investments				195 11 0
<b>Advances—</b>				
Capital Stores Account			6,95,406	1 0
			32,90,600	12 0
Total Capital Account Receipts Rs.				
<b>RECEIPTS—C.—SUSPENSE ACCOUNT—</b>				
Imperial Bank of India and other Local Banks on account of Sundry Deposits			5,05,42,526	2 11
Loan Redemption Fund (Municipal)			1,14,37,457	8 0
Do. do. Improvements Schemes			14,90,874	8 0
Sinking and Special Funds Accounts			67,81,514	3 4
Provident Fund Recoveries			52,57,767	15 0
Fines Fund Do.			25,274	7 0
Gardens Fund Do.			8,478	6 0
Land Sales Reserve Fund Recoveries			...	
Surplus Funds (Paper and Cash Account)			67,44,662	15 10
Reserve Stores Account			8,34,620	6 3
Purchase Stores Account			9,80,898	15 0
Do. of Petrol and Diesel Oil			3,60,671	4 6
Do. of Coal			142	5 0
Departmental Works			4,99,462	0 4
Do. Printing Press Recoveries			1,72,680	12 5
Private Works			2,09,245	9 9
Departmental Works—Workshops Recoveries			2,21,926	1 3
Sinking Funds (Paper and Cash Account)			82,38,231	4 0
Special Funds ( Do. do. )			33,46,332	12 7
Loan Funds ( Do. do. )			17,29,422	15 6
Deposit Account			2,06,35,773	2 3
Love Grove Crushers			38,197	3 0
Sewri Crushers			29,364	9 0
Mechanical Transport			1,38,091	12 6
Asphalt Plant			43,834	8 0
Municipal Contractors			17,882	1 2
Do. Tenderers			1,002	0 0
Sundries—Miscellaneous Advances			3,22,420	3 9
Manufacturing of Precast Concrete slabs for footpaths			2,390	6 0
Advances—Measures for Civil Defence			23,29,173	12 2
<b>Officers—</b>				
(a) Dishonoured Cheques			5,77,796	12 3
(b) Standing Advances for Contingent Expenses			1,000	0 0
(c) Motor Cars and Motor Cycles to Officers			4,130	12 0
(d) Cycle Advance to subordinates			...	
<b>Advances—Special Funds</b>				
Bombay Municipal Corporation Loans—Interest Warrants Payable Account			4,33,132	6 1
Cash Bills Outstanding Account			32,99,057	14 2
Cheques payable			7,45,412	7 1
Interest on B. I. Trust Loans Payable Account			9,20,11,622	15 0
City of Bombay Improvement Trust Loan Interest Warrants Payable Account			220	0 0
Interest accrued but not paid			18,21,349	12 4
Fidelity Guarantee Insurance Fund			7,291	10 8
Interest Receivable Account			5,280	3 0
			869	0 0
<b>Improvement Schemes Fund—</b>				
(a) Sinking Fund	3,00,443	14 0		
(b) Capital Fund	19,27,354	10 6		
			22,27,798	8 6
Improvement Schemes Fund Account			19,31,622	6 0
			22,55,06,904	13 7
Total—Suspense Account Receipts Rs.				



## No. 15—Continued.

	Details.		Total.	
	Rs.	a. p.	Rs.	a. p.
<b>EXPENDITURE—B.—CAPITAL ACCOUNT—</b>				
<b>Loan Funds—</b>				
I.—General Supervision, Collection of Revenue, etc. ... ..		...		
II.—Water Works, ordinary ... ..	7,06,333	14 6		
III.—Education—Primary ... ..	243	15 0		
V.—Public Health Department ... ..	88,335	12 0		
VI.—Medical Relief and Education ... ..	52,625	0 0		
VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service ... ..	74,072	4 0		
VIII.—Roads, Drains and Sewers ... ..	7,32,280	2 6		
IX.—Mechanical ... ..	47,223	5 0		
X.—Buildings, Land Acquisition and Management ... ..	43,838	3 0		
XI.—Fire Brigade ... ..	28,084	7 0		
XIII.—Gardens and open spaces ... ..		...		
XIV.—Markets and Slaughter Houses ... ..	72,981	7 0		
XV.—Slum Service ... ..	19,229	1 6		
XVI.—Measures of Civil Defence ... ..	975	12 0		
Discount and other charges on Loans ... ..	25,011	15 0		
Plant and Machinery ... ..	Cr, 6,595	2 0		
Assets written off... ..	54,540	12 0	19,39,180	12 6
<b>Worn out Water Mains Renewal Fund—</b>				
Expenditure on Works ... ..				
<b>Trust Account—</b>				
Expenditure ... ..			67,341	3 0
<b>Advances—</b>				
Capital Stores ... ..			8,64,102	10 0
<b>Repayment of advance from Fines Fund for capital work</b>				
<b>Total—Capital Account Expenditure Rs.</b> ... ..			28,70,624	9 6
<b>EXPENDITURE—C.—SUSPENSE ACCOUNT—</b>				
Imperial Bank of India and other Local Banks on account of Sundry Deposits ... ..			4,93,17,090	2 0
Sinking and Special Funds Accounts ... ..			1,08,22,679	14 8
Interest accrued but not paid ... ..			1,28,545	13 4
Fidelity Guarantee Insurance Fund ... ..			5,280	3 0
Provident Fund Recoveries ... ..			52,57,767	15 0
Fines Fund Do. ... ..			25,274	7 0
Gardens Fund Do. ... ..			8,478	6 0
Land Sales Reserve Fund ... ..				
Interest Recoverable a/c ... ..			30,318	10 0
Plant and Machinery ... ..			10,18,983	0 0
Reserve Stores Account ... ..			9,32,798	11 0
Purchase Stores Account ... ..			3,27,833	14 0
Purchase of Petrol and Diesel Oil ... ..			11,587	6 0
Purchase of Coal ... ..			5,57,516	8 8
Departmental Works ... ..			2,05,833	5 5
Municipal Workshops ... ..			1,96,081	1 9
Printing Press ... ..			2,36,352	14 4
Private Works ... ..			38,71,597	1 0
Sinking Fund ... ..			46,75,085	3 4
Special Fund ... ..			90,20,446	10 7
Surplus Funds ... ..			25,28,500	0 0
Loan Funds ... ..			1,14,37,457	8 0
<b>Debt—Principal—Repayment of Loans (Municipal)</b>			14,90,874	8 0
Do. do. (Improvements Schemes) ... ..			1,95,37,379	0 2
Deposit Account ... ..			42,645	13 0
Love Grove Crushers ... ..			51,137	7 6
Sewri Crushers ... ..			1,40,363	2 6
Mechanical Transport ... ..			41,238	3 0
Asphalt Plant ... ..			24,956	0 9
Municipal Contractors ... ..			1,002	0 0
Do. Tenderers ... ..			3,06,338	5 10
Sundries—Miscellaneous Advances ... ..			23,58,533	3 10
Advance-Measures for Civil Defence ... ..			2,192	12 0
Manufacture of Precast Concrete Slabs for footpaths ... ..				
<b>Officers—</b>				
(a) Dishonoured Cheques ... ..			5,78,796	12 3
(b) Standing Advances for Contingent Expenses ... ..			21,510	0 0
(c) Motor Cars and Motor Cycles to Officers ... ..			3,900	0 0
(d) Cycle advances to subordinates ... ..				
<b>Advances—Special Funds</b> ... ..			3,42,944	2 0
<b>Bombay Municipal Corporation Loans—Interest Warrants Payable Account</b> ... ..			33,30,865	12 2
Cash Bills Outstanding Account ... ..			7,38,529	9 0
Cheques payable ... ..			9,10,54,169	12 4
<b>City of Bombay Improvement Schemes Loans Interest Warrants Payable Account</b> ... ..			18,55,430	8 4
<b>Improvement Schemes Fund—</b>				
(a) Sinking Fund ... ..	19,92,129	14 0		
(b) Capital Fund ... ..	17,22,475	4 0		
<b>Interest on Bombay Improvement Trust Loans Payable Account</b> ... ..			37,14,605	2 0
<b>Improvement Schemes Fund Account...</b> ... ..			10,380	0 0
			2,39,936	6 0
<b>Total—Suspense Account Expenditure Rs.</b> ... ..			22,65,03,237	3 9

## Appendix

		Total.
		Rs.   a.   p.
<b>RECEIPTS—D.—IMPROVEMENT SCHEMES ACCOUNT—</b>		
<b>General Account—</b>		
I.—Rents and other proceeds of Properties ... ..		54,12,391 15 1
II.—Contribution towards Improvement Schemes from the Municipal Corporation ... ..		24,69,485 4 0
III.—Grants-in-aid of Tobacco Duty ... ..		4,13,223 2 0
IV.—Interest and Profits on Investments ... ..		4,00,901 3 8
V.—Miscellaneous Receipts ... ..		31,880 15 6
VI.—Appropriation from Capital Account to meet deficit in the General Account... ..		16,19,947 2 6
	Total Rs. ...	1,03,47,829 10 9
<b>Capital Account—</b>		
I.—Sale proceeds of Lands, Buildings, etc. ... ..		27,98,248 3 3
Lands comprised in Schedul "W" Parel Estate ... ..		Dr. 5 0 0
Revenue Surplus ... ..		...
	Total Rs. ...	27,98,243 3 3
	Total—General and Capital Account Receipts Rs. ...	1,31,46,072 14 0

## SUMMARY.

Receipts.		Disbursements.
Rs.   a.   p.		Rs.   a.   p.
26,83,996 6 4	Balance on 1st April 1942 ...	
3,89,01,941 7 8	A.—Revenue Account ... ..	3,64,65,448 1 3
32,90,660 12 0	B.—Capital Account ... ..	28,70,624 9 6
22,55,06,904 13 7	C.—Suspense Account ... ..	22,65,03,237 3 9
1,31,46,072 14 0	D.—Improvement Schemes Account ... ..	1,34,27,452 4 6
28,08,45,519 15 3		Total Rs. ... 27,92,66,762 3 0
	* Balance on 31st March 1943 ... ..	42,62,754 2 7
28,35,29,516 3 7		Total Rs. ... 28,35,29,516 5 7

J. K. DARUVALA,  
Chief Accountant.

## No. 15—Concluded.

		Details.		Total.	
		Rs.	a. p.	Rs.	a. p.
<b>EXPENDITURE—D.—IMPROVEMENT SCHEMES ACCOUNT</b>					
<b>General Account—</b>					
A.—Maintenance of Properties and Streets	...	...	...	17,57,705	4 1
B.—Cost of Management and Establishment	...	...	...	7,59,012	9 11
C.—Proportionate charge on account of Municipal Supervision	...	...	...	82,656	14 0
<b>Deduct—</b>				8,41,669	7 11
Proportionate share of cost of Management and Establishment chargeable to		Rs.	a. p.		
Do.	do.	do.	do.	7,24,187	7 11
				1,17,482	0 0
				8,41,669	7 11
D.—Debt Charges	...	...	...	79,62,379	6 8
E.—Repayment of excess amount received on account of contribution from the Municipal Corporation	...	...	...	6,27,745	0 0
		Total Rs.		1,03,47,829	10 9
<b>Capital Account—</b>					
Improvement and Street Schemes, etc.	...	...	...	6,92,286	7 3
Proportionate share of cost of Management and Establishment chargeable to Improvement and Street Schemes	...	...	...	7,67,394	0 0
Repayment of Loan	...	...	...	16,19,947	2 6
Revenue Deficit	...	...	...	Cr. 5	0 0
Lands comprised in Schedule "W" Parcel Estate	...	...	...		
		Total Rs.		30,79,622	9 9
<b>Total—General and Capital Account Expenditure</b>				1,34,27,452	4 6

		Rs.	a. p.
<b>Bank's reconciliation :—</b>			
* Balance as per Bank's Pass Book	...	33,96,911	4 8
<b>Add—</b>			
Revenue sent to the Bank on 31st March 1943 but acknowledged on 1st April 1943	...	3,37,714	2 0
		37,34,625	6 8
<b>Less—</b>			
Uncashed Cheques	...	53,171	7 3
Balance in Bank as per Day Book (Column No. 10)	...	36,81,453	15 5
Balance in Office in Government Promissory Notes, etc.	...	Rs. 1,28,400	0 0
Balance in Office in Cash	...	4,52,900	3 2
		5,81,300	3 2
		42,62,754	2 7

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 16.

Comparison of Face, Purchase and Market Values at 31st March 1943 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.
Municipal Fire and Accident Insurance Fund.	3½ per cent. Government Promissory Notes ...	Rs. 9,100	Rs. a. p. 60 0 0	Rs. a. p. 5,460 0 0	Rs. a. p. 94 0 0	Rs. a. p. 9,024 0 0
	Do. do. ...	500	64 15 0	324 11 0	103 15 0	80,343 11 0
	3½ per cent. Government Loan 1947-50 ...	41,100	98 8 0	40,483 8 0		
	Do. do. ...	36,200	96 0 0	34,752 0 0	110 7 0	3,14,526 0 0
	4 per cent. Government Loan 1960-70 ...	49,500	94 4 0	46,653 12 0		
	Do. do. ...	1,00,200	92 8 0	92,685 0 0		
	Do. do. ...	13,700	87 10 0	12,004 10 0	109 12 0	1,51,455 0 0
	Do. do. ...	1,21,400	88 0 0	1,06,832 0 0		
	4 per cent. Bombay Improvement Trust Debentures ...	46,600	Par.	46,600 0 0		
	Do. do. ...	10,000	89 0 0	8,900 0 0		
	Do. do. ...	7,200	88 0 0	6,336 0 0		
	Do. do. ...	23,500	84 8 0	19,857 8 0	Par.	2,09,000 0 0
	Do. do. ...	9,700	84 4 0	8,172 4 0		
	Do. do. ...	41,000	92 12 0	38,027 8 0		
	3 per cent. Bombay Municipal Debentures ...	2,09,000	Par.	2,09,000 0 0	..	52,200 0 0
3½ per cent. Do. do. ...	52,200	Par.	52,200 0 0			
	Total Rs. ...	7,70,900		7,28,288 13 0		8,16,548 11 0
Worn out Water Mains Renewal Fund.	3½ per cent. Government Loan 1947-50 ...	1,700	94 13 0	1,611 13 0	103 15 0	4,781 2 0
	Do. do. ...	200	96 0 0	192 0 0		
	Do. do. ...	2,700	98 8 0	2,659 8 0	Par.	400 0 0
	3 per cent. Bombay Municipal Debentures ...	400	Par.	400 0 0		
	Total Rs. ...	5,000		4,863 5 0		5,181 2 0
Net Premia Fund ...	3 per cent. Government Promissory Notes ...	900	48 0 0	432 0 0	80 10 0	725 10 0
	3½ per cent. Government Promissory Notes ...	45,900	60 0 0	27,540 0 0	94 0 0	44,086 0 0
	Do. do. ...	1,000	62 10 0	626 4 0		
	3½ per cent. Government Loan 1947-50 ...	31,300	94 13 6	29,686 1 6	103 15 0	2,20,347 8 0
	Do. do. ...	1,80,700	98 8 0	1,77,989 8 0		
	4 per cent. Government Loan 1960-70 ...	13,400	Par.	13,400 0 0		
	Do. do. ...	5,500	92 8 0	5,087 8 0	110 7 0	64,826 13 0
	Do. do. ...	30,200	88 6 0	26,689 4 0		
	Do. do. ...	100	88 0 0	88 0 0		
	Do. do. ...	9,500	87 10 0	8,324 6 0		
	3 per cent. Bombay Municipal Debentures ...	12,55,900	Par.	12,55,900 0 0	Par.	12,55,900 0 0
3½ Do. do. ...	58,800	Par.	58,800 0 0			
	Total Rs. ...	16,33,200		16,04,562 15 6		16,44,685 15 0
Provident Fund ...	3½ per cent. Government Promissory Notes ...	14,02,400	60 0 0	8,41,440 0 0	94 0 0	15,96,684 0 0
	Do. do. ...	10,000	68 11 0	6,868 12 0		
	Do. do. ...	1,57,000	75 10 0	1,18,731 4 0		
	Do. do. ...	1,29,200	75 14 6	98,070 14 0	103 15 0	36,72,319 12 0
	3½ per cent. Government Loan 1947-50 ...	14,91,600	98 8 0	14,69,226 0 0		
	Do. do. ...	2,01,200	94 13 6	1,90,825 10 0		
	Do. do. ...	1,42,600	94 13 0	1,35,202 10 0		
	Do. do. ...	16,97,800	96 0 0	16,29,888 0 0	110 7 0	78,15,551 7 0
	4 per cent. Government Loan 1960-70 ...	1,23,300	94 4 0	1,16,210 4 0		
	Do. do. ...	18,45,500	92 8 0	17,07,087 8 0		
	Do. do. ...	47,500	88 6 0	41,978 2 0		
	Do. do. ...	37,01,200	88 0 0	32,57,056 0 0		
	Do. do. ...	13,00,100	87 10 0	11,39,212 10 0	95 8 0	12,32,714 0 0
	Do. do. ...	59,300	Par.	59,300 0 0		
	3 per cent. Government Loan 1963-65 ...	12,90,800	98 0 0	12,64,984 0 0	109 12 0	17,54,353 12 0
	4 per cent. Bombay Improvement Trust Debentures ...	1,81,300	Differentrates	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	118 0 0	7,29,830 0 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		
	5 per cent. Bombay Improvement Trust Debentures ...	6,18,500	Differentrates	5,65,335 0 0		
6 per cent. Bombay Improvement Trust Debentures ...	1,91,000	Do.	1,92,531 4 0	109 12 0	2,52,095 12 0	
Do. do. ...	38,700	Par.	38,700 0 0			
3 per cent. Bombay Municipal Debentures ...	19,49,000	Par.	19,49,000 0 0	Par.	19,49,000 0 0	
6 per cent. Bombay Muni. Debentures 1950-60 ...	8,64,500	99 3 9	8,57,881 2 9			
4 per cent. Bombay Municipal Debentures ...	900	Par.	900 0 0	109 12 0	987 12 0	
3½ per cent. Bombay Municipal Debentures ...	30,28,900	Do.	30,28,900 0 0	Par.	30,28,900 0 0	
	Total Rs. ...	2,18,89,500		2,01,34,114 0 9		2,30,78,481 7 0
Fines Fund ...	3½ per cent. Government Promissory Notes ...	15,700	60 0 0	9,420 0 0	94 0 0	15,416 0 0
	Do. do. ...	500	64 15 0	324 11 0		
	Do. do. ...	200	81 11 0	163 6 0		
	3½ per cent. Government Loan 1947-50 ...	41,500	98 8 0	40,877 8 0	103 15 0	98,428 13 0
	Do. do. ...	47,200	96 0 0	45,312 0 0		
	Do. do. ...	6,000	94 13 0	5,688 12 0		
	Fines Fund Carried forward Rs. ...	1,11,100		1,01,786 5 0		1,13,844 13 0
	Carried forward Rs. ...	2,42,98,600		2,24,71,829 2 3		2,55,44,897 3 0

**Appendix 16—Concluded.**  
**Comparison of Face, Purchase and Market Values at 31st March 1943 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.
	Brought over Rs. ...	2,42,98,600		2,24,71,829 2 3		2,55,44,897 3 0
<b>Fines Fund—(concl'd.)</b>	Fines Fund Brought over Rs. ...	1,11,100		1,01,786 5 0		1,13,844 13 0
	4 per cent. Government Loan 1960-70 ...	20,000	88 0 0	17,600 0 0	} 110 7 0	22,639 11 0
	Do. do. ...	500	92 8 0	462 8 0		
	4½ per cent. Government Loan 1955-60 ...	2,800	82 6 0	2,306 8 0	} 114 2 0	3,195 8 0
	5 per cent. Tax Free Government Loan 1945-55 ...	1,300	117 7 0	1,526 11 0		
	4 per cent. Bombay Port Trust Debentures ...	3,000	70 0 0	2,100 0 0	} 109 0 0	3,270 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	} 109 12 0	82,312 8 0
	Do. do. ...	15,100	92 12 0	14,005 4 0		
	3 per cent. Bombay Municipal Debentures ...	2,54,900	Par.	2,54,900 0 0	} Par.	2,54,900 0 0
	3 per cent. Government Loan 1963-65 ...	900	98 0 0	882 0 0		
	3½ per cent. Bombay Municipal Debentures ...	9,300	Par.	9,300 0 0	} Par.	9,300 0 0
	Total Rs. ...	4,78,800		4,63,036 12 0		
<b>Plant and Machinery Depreciation Fund</b>	3½ per cent. Government Loan 1947-50 ...	7,100	98 8 0	6,993 8 0	} 103 15 0	22,762 5 0
	Do. do. ...	3,100	94 13 0	2,939 3 0		
	Do. do. ...	11,700	96 0 0	11,232 0 0		
	4 per cent. Government Loan 1960-70 ...	32,600	92 8 0	30,155 0 0	} 110 7 0	50,469 15 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	} 109 12 0	61,350 4 0
	Do. do. ...	2,200	84 4 0	1,853 8 0		
	Do. do. ...	1,300	92 12 0	1,205 12 0	} Par.	2,90,800 0 0
	3 per cent. Bombay Municipal Debentures ...	1,93,900	Par.	1,93,900 0 0		
	3½ Do. do. ...	96,900	Par.	96,900 0 0	} Par.	4,25,382 8 0
	Total Rs. ...	4,14,300		4,09,057 13 0		
<b>Renewal of Road Surfaces Fund.</b>	3½ per cent. Government Loan 1947-50 ...	92,300	96 0 0	88,608 0 0	} 103 15 0	1,22,750 3 0
	Do. do. ...	25,800	98 8 0	25,413 0 0		
	4 per cent. Government Loan 1960-70 ...	1,34,200	92 8 0	1,24,135 0 0		
	Do. do. ...	2,47,400	87 10 0	2,16,784 4 0	} 110 7 0	4,46,057 1 0
	Do. do. ...	5,100	88 0 0	4,488 0 0		
	Do. do. ...	17,200	94 4 0	16,211 0 0	} 109 12 0	2,97,751 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	} Par.	10,58,200 0 0
	Do. do. ...	2,41,400	84 4 0	2,03,379 8 0		
	Do. do. ...	1,100	84 8 0	929 8 0	} Par.	69,000 0 0
	3 per cent. Bombay Municipal Debentures ...	10,58,200	Par.	10,58,200 0 0		
	3½ per cent. Do. do. ...	69,000	Par.	69,000 0 0	} Par.	19,93,759 0 0
	Total Rs. ...	19,20,500		18,34,998 8 0		
<b>Garden Fund</b>	3½ per cent. Government Loan 1947-50 ...	14,800	96 0 0	14,208 0 0	} 103 15 0	19,748 2 0
	Do. do. ...	1,900	98 8 0	1,871 8 0		
	Do. do. ...	2,300	94 13 0	2,180 11 0		
	4 per cent. Government Loan 1960-70 ...	800	Par.	800 0 0	} 110 7 0	27,609 6 0
	Do. do. ...	1,800	87 10 0	1,577 4 0		
	Do. do. ...	2,300	92 8 0	2,127 8 0	} 109 12 0	17,011 4 0
	Do. do. ...	900	94 4 0	848 4 0		
	Do. do. ...	19,200	88 0 0	16,896 0 0	} Par.	22,000 0 0
	4 per cent. Bombay Improvement Trust Debentures ...	5,600	Par.	5,600 0 0		
	Do. do. ...	5,000	84 4 0	4,212 8 0	} Par.	7,600 0 0
	Do. do. ...	4,900	92 12 0	4,544 12 0		
	3 per cent. Bombay Municipal Debentures ...	22,000	Par.	22,000 0 0	} Par.	93,968 12 0
	3½ per cent. Do. do. ...	7,600	Par.	7,600 0 0		
	Total Rs. ...	89,100		84,466 7 0		
<b>Hospital Fund</b>	3½ per cent. Government Promissory Notes ...	7,600	98 7 6	7,483 10 0	} 94 0 0	1,70,798 0 0
	Do. do. ...	1,74,100	97 1 0	1,68,985 13 0		
	3½ per cent. Government Loan 1947-50 ...	1,400	98 8 0	1,379 0 0		
	Do. do. ...	30,900	96 0 0	29,664 0 0	} 103 15 0	1,34,079 6 0
	Do. do. ...	96,700	94 13 6	91,713 14 6		
	4 per cent. Government Loan 1960-70 ...	42,400	106 14 6	45,328 4 0	} 110 7 0	47,819 7 0
	Do. do. ...	900	92 8 0	832 8 0		
	3 per cent. Bombay Municipal Debentures ...	1,28,400	Par.	1,28,400 0 0	} Par.	1,28,400 0 0
	Total Rs. ...	4,82,400		4,73,787 1 6		
<b>Land Sales Reserve Fund.</b>	3 per cent. Municipal Debentures ...	3,42,300	Par.	3,42,300 0 0	} Par.	3,42,300 0 0
	3½ Do. do. ...	76,100	Par.	76,100 0 0		
	Total Rs. ...	4,18,400		4,18,400 0 0		4,18,400 0 0
<b>Slum Service Fund.</b>	3 per cent. Municipal Debentures ...	1,66,800	Par.	1,66,800 0 0	Par.	1,66,800 0 0
<b>K.E.M. Hospital and G. S. M. College Equipment Fund.</b>	3½ per cent. Government Loan 1947-50 ...	10,200	94 13 0	9,670 14 0	} 103 15 0	20,475 11 0
	Do. do. ...	9,500	98 8 0	9,357 8 0		
	3 per cent. Bombay Municipal Debentures ...	52,900	Par.	52,900 0 0		
	Total Rs. ...	72,600		71,928 6 0		73,375 11 0
<b>G. S. M. College and K. E. M. Hospital Research Fund.</b>	3½ per cent. Government Loan 1947-50 ...	12,400	96 0 0	11,904 0 0	} 103 15 0	12,888 4 0
	4 per cent. Government Loan 1960-70 ...	8,400	92 8 0	7,770 0 0		
	Do. do. ...	7,800	88 0 0	6,864 0 0	} 110 7 0	17,890 14 0
	3 per cent. Municipal Debentures ...	15,900	Par.	15,900 0 0		
	4 per cent. Bombay Improvement Trust Debentures ...	400	84 4 0	337 0 0	} 109 12 0	15,900 0 0
	3½ per cent. Bombay Municipal Debentures ...	1,200	Par.	1,200 0 0		
	Total Rs. ...	46,100		43,975 0 0		48,318 2 0
<b>Precast Concrete Slab Pavements Renewal Fund.</b>	3 per cent. Municipal Debentures ...	17,300	Par.	17,300 0 0	Par.	17,300 0 0
<b>Fidelity Guarantee Insurance Fund.</b>	3½ per cent. Municipal Debentures ...	3,600	Par.	3,600 0 0	} Par.	3,600 0 0
	3 per cent. .. ..	4,800	Par.	4,800 0 0		
	Total Rs. ...	8,400		8,400 0 0		8,400 0 0
	<b>Grand Total Rs.</b>	<b>2,84,13,300</b>		<b>2,64,63,979 1 9</b>		<b>2,97,63,425 11 0</b>

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 16-A.

Comparison of Face, Purchase and Market Values at 31st March 1943 of the different Securities held in the Sinking Funds.

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 ...	1,03,05,200	Par	1,03,05,200	0 0	} Par	1,03,05,200	0 0	
4 Do. do. ...	55,900	84½	47,235	8 0		55,900	0 0	
4 Do. do. ...	21,500	84½	18,113	12 0		21,500	0 0	
5 Do. do. ...	60,27,000	Par	60,27,000	0 0		60,27,000	0 0	
6 Do. do. ...	1,000	Par	1,000	0 0		1,000	0 0	
6 Do. do. ...	78,000	99.3.9	77,402	13 0		78,000	0 0	
3 Do. do. ...	52,37,100	Par	52,37,100	0 0		52,37,100	0 0	
3½ Do. do. ...	23,59,600	Par	23,59,600	0 0		23,59,600	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				
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 ...	1,13,100	Par	1,13,100	0 0	} 110½	54,19,830	12 0	
4 Do. do. ...	30,42,300	75	22,81,725	0 0				
4 Do. do. ...	5,00,000	75-0-6	3,75,156	4 0				
4 Do. do. ...	3,18,000	88	2,79,840	0 0				
4 Do. do. ...	2,48,000	92½	2,29,400	0 0				
4 Do. do. ...	4,48,000	87½	3,92,560	0 0				
4 Do. do. ...	2,22,300	88½	1,96,457	10 0				
4 Do. do. ...	15,900	94½	14,985	12 0				
3½ per cent. Loan 1947-50 ...	2,80,000	96	2,68,800	0 0	} 103½	12,23,240	7 0	
3½ Do. do. ...	3,20,800	94-13-6	3,04,258	12 0				
3½ Do. do. ...	29,700	94 <sup>13</sup> / <sub>16</sub>	28,159	5 0				
3½ Do. do. ...	5,46,400	98½	5,38,204	0 0	} 114½	5,70,625	0 0	
4½ per cent. Loan 1955-60 ...	5,00,000	79½	3,98,750	0 0				
3 per cent. Loan 1963-65 ...	1,93,800	98	1,89,924	0 0	95½	1,85,079	0 0	
4 per cent. Bombay Improvement Trust Sterling Debentures.	£ 25,000	£ 80 at 1s. 6d.	2,66,666	10 8	Par at 1s. 5½ d.	3,33,913	0 8	
Total Rs. ...	3,38,95,200 £ 25,000		3,26,10,843	14 8		3,48,49,588	3 8	

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
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 1943.*

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 Nathooobhoy	... Donation for the maintenance of Sir Mangaldas Nathooobhoy Clock at Mumbadevi.	3½ per cent. Government Paper, 1879	500	Par	500 0
The Secretary, Tata Memorial	... Donation for the maintenance of J. N. Tata Statue	3½ per cent. Government Paper, 1900-01	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 3½ per cent. Government Paper, 1900-01	1,000 200	Do.	1,200 0
Mr. P. J. Mistri	... Donation for the maintenance of N. M. Petit Statue at Gowalia Tank Road	{ 3½ per cent. Government Paper, 1900-01 3½ per cent. Government Paper, 1879	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.	{ 6 per cent. Municipal Debentures 1950-60 4 per cent. Loan 1960-70	1,200 900	99 10 88 0	1,195 8 792 0
Mr. Surajmal Hanmantrao	... Donation for the maintenance of a public fountain at Princess Street.	{ 4 per cent. Loan 1960-70 3½ per cent. Government Paper	2,600 100	92 8 60 0	2,405 0 60 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. Jannadas 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.	3½ per cent. Government Paper	100	60 0	1,001 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.		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".	4 per cent. Loan 1960-70	600	88 0	528 0
		Carried forward Rs.	37,300		33,980 0

**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. a.
		Brought forward Rs. ...	37,300		33,980 0
Mr. N. P. Wadia	Balance out of donation received for construction of three cattle troughs at Bhoiwada Road, Parel Tank Road and Sewree Cross Road	4 per cent. Loan 1960-70	1,200	88 0	1,056 0
Mr. F. B. Jeejeebhoy	Balance out of donation received for the construction of a public fountain and water trough at the junction of Suparbat Road and Government Gate Road.	4 per cent. Loan 1960-70	1,500	88 0	1,320 0
Mr. Anantrao Vithoba Kowley	Balance out of donation received for the construction of a fountain and cattle trough at the junction of Bhawani Shanker Road and Gokhale Road.	3½ per cent. Government Paper	1,500	64 15	974 1
Mr. Ramdas Raghovji Govindji	Balance out of the donation received for the construction of a fountain and cattle trough at Cavel Street.	3½ per cent. Government Paper	1,700	60 0	1,020 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 Chowpaty Sands.	3½ per cent. Government Paper	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.	3½ per cent Government Loan 1947-50	900	108 2	973 2
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.	3½ per cent. Government Paper 1842-43	500	96 3	480 15
Sir Dinshaw Watcha, Kt., Memorial Committee	Donation for the Maintenance of the Statue of Sir Dinshaw Watcha, Kt.	3½ per cent. Government Paper 1842-43	500	96 3	480 15
		Total ...	47,700		42,861 1
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 Balam	Donation for the maintenance of a Charitable Dispensary at Kamathipura ...	{ 4 per cent. Bombay Improvement Trust Loan due 1966 ... 4 per cent. Bombay Improvement Trust Loan due 1972 ...	5,000 14,500	Par Do.	} 19,500 0
Bai Lingoobai, widow of Rajanna Jaloji Colaba Free Dispensary	Do. do. do. do.	3½ per cent. Government Paper 1854-55	10,700	Do.	10,700 0
Joint Honorary Secretaries and Treasurers, George V Anti-Tuberculosis League.	Donation for the maintenance of Assets of the dispensary taken over by the Municipality on its taking over the dispensary.	4 per cent. Government Loan 1960-70	1,200	87 10	1,051 8
Mr. Shapurji Sorabji	Donation for the maintenance of Assets transferred to the Municipality on its taking over the League.	3½ per cent. Government Paper 1900-01	1,000	Par	1,000 0
	Donation in connection with the house in Khetwadi given by him for being used as a Maternity Home.	4 per cent. Municipal Debentures due 1954	20,000	Do.	} 21,000 0
Messrs. Little & Co.	Amount representing balance out of the amount set apart for the purchase of Bai Gowrabai Dispensary Building at Kamathipura.	3½ per cent. Government Paper 1854-55	5,000	Do.	} 10,000 0
Do.	Donation for meeting charges for repairs, etc., to Bai Gowrabai Dispensary at Kamathipura.	3½ per cent. Government Paper 1879	5,000	Do.	} 2,552 0
	Donation for establishing and maintaining Maternity Homes in Bombay	4 per cent. Loan 1960-70	2,900	88 0	2,552 0
Unspent balance out of the donation from the estate of the late Mr. Mahomed Haji Saboo Sidick		6 per cent. Municipal Debentures 1950-60	5,000	99 10	4,981 4
		3 per cent. Municipal Debentures	52,600	Par	52,600 0
		Total ...	1,22,900		1,22,384 12
		Grand Total Rs. ...	1,73,100		1,67,745 13

**J. K. DARUVALA,**  
Chief Accountant.

**M. D. BHAT,**  
Municipal Commissioner.



**Appendix No. 16-C.**

*Statement showing the amounts of and object for which the endowments held under Endowments Fund were received from different parties upto 31st March 1943.*

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.	Do. do.	3,700	88 0	3,256 0
Mr. Lalji Naranji	"Lalji Naranji Scholarship" at G. S. M. College	Do. do.	4,500	88 0	3,960 0
Mr. Chaturbhuj Gordhandas Sunderdas	"Chaturbhuj Gordhandas Sunderdas Scholarship" and "Bai Gangabai Gordhandas Sunderdas Scholarship" at G. S. M. College.	Do. do.	9,100	88 0	8,008 0
Dr. (Mrs.) Dossibai Jehangir Rattanshaw Dadabhoi, M.D., M.R.C.P. (Lond.).	"Awabai Rattanshaw Dadabhoi Scholarship" at G. S. M. College.	{ Do. do. 3½ per cent. Government Paper 1900-01	{ 3,900 200	{ 88 0 68 4	{ 3,432 0 136 8
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
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.	6 per cent. Municipal Debentures 1950-60	2,000	99 10	1,992 8
		3 per cent. Municipal Debentures	100	Par	100 0
		4 per cent. Government Loan 1960-70	100	Par	100 0
		3 per cent. Government Loan 1963-65	200	97 5	194 10
		6 per cent. Municipal Debentures 1950-60	300	98 6	295 2
H. H. the Maharana Shri Sir Doulatsingji, K.C.I.E., Thakore Saheb of Limbdi.	Donation for awarding a gold medal and a miniature replica of the Challenge Cup.	200	98 0	196 0	
Dr. Shirwalkar Memorial Fund Committee	"Dr. Shirwalkar, General Proficiency Scholarship and Medals" at G. S. M. College.	6 per cent. Municipal Debentures 1950-60	1,800	99 10	1,793 4
Mrs. Dhungavri Rangildas Desai	Donation for endowing two prizes of Rs. 20 each to the Nurses of the K. E. M. Hospital.	{ 3½ per cent. Government Paper 1900-01 Do. do.	{ 6,000 3,000	{ Par Do.	{ 6,000 0 3,000 0
		{ 4 per cent. Municipal Debentures 4 per cent. Bombay Port Trust Bonds 1913	{ 2,000 1,000	{ Do. Do.	{ 2,000 0 1,000 0
Dr. E. Moses	"Mrs. Abigail Elijah Moses Prize" at K. E. M. Hospital	{ 3½ per cent. Government Paper 3½ per cent. Government Loan 1947-50	{ 500 100	{ Do. 102 12	{ 500 0 102 12
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	4 per cent. Government Loan 1960-70	9,000	88 0	7,920 0
		3 per cent. Government Loan 1963-65	1,200	98 6	1,180 8
		3½ per cent. Government Loan 1947-50	1,000	100 7	1,004 6
		3 per cent. Municipal Debentures	300	Par	300 0
		3½ per cent. Government Paper 1900-01	500	95 4	476 4
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	3½ per cent. Government Loan 1947-50	1,200	101 1	1,212 12
Mr. N. Dhume	Narayan Dhume Prize at G. S. M. College	3½ per cent. Government Paper	1,000	Par	1,000 0
Mr. Parmanand Krishnarao Rele	Dakurnath Krishnarao Rele Prize	3½ per cent. Loan 1947-50	500	103 11	518 7
Prof. Khanolkar Farewell Fund Committee	Prof. V. R. Khanolkar Prizes	3½ per cent. G. P. Notes 1865	5,700	94 3	5,368 11
Dr. P. T. Patel Memorial Fund Committee	Dr. P. T. Patel Entrance Scholarship at G. S. M. College	Do.	5,200	94 3	4,897 12
Do. Do.	Dr. P. T. Patel Prize at G. S. M. College	Do.	3,100	94 3	2,919 13
Seth G. S. M. College & K. E. M. Hospital Staff Farewell Fund Committee.	The Seth G. S. M. College and K. E. M. Hospital Staff Fund for awarding prizes and making grants for attending Medical & Scientific conferences etc.	Do.	9,400	94 3	8,853 10
Dr. R. N. Cooper.	Jangoo Shavaksha Marzban Prize	Do.	2,100	94 3	1,977 15
Scholarships—Total, Carried over Rs.			95,900		89,052 14

**Appendix No. 16-C—Concluded.**

Name of donor.	Object for which the endowment is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
			Rs.	Rs. a.	Rs. a.
	<i>Clothing.</i>	Brought forward Rs. ...	95,900		89,052 14
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.	3½ per cent. Government Paper 1879 ...	10,000	Par	10,000 0
		3½ per cent. Government Paper 1900-01 ...	18,600	Do.	18,600 0
		3½ per cent. Government Paper 1900-01 ...	2,000	98 4	1,965 0
		4 per cent. Government Loan 1960-70 ...	8,000	88 0	7,040 0
		4 per cent. Government Loan 1960-70 ...	4,800	87 10	4,206 0
		4 per cent. Government Loan 1960-70 ...	2,000	76 5	1,526 4
		3 per cent. Loan 1963-65 ...	4,000	98 0	3,920 0
		4 per cent. Bombay Improvement Trust Debentures ...	100	Par	100 0
	<i>Education.</i>	Clothing, Total Rs. ...	49,500		47,357 4
The Society for the Promotion of Education among the masses known as the Dadabhoy Nowrosji Poor Boys' Seminary.	Donation for the Promotion of Education among the masses ...	3½ per cent. Government Paper 1842-43 ...	5,000	Par	5,000 0
		3½ Do. do. 1900-01 ...	3,000	Do.	3,000 0
	<i>Poor Box Charity.</i>		8,000		8,000 0
Mr. Mansukhlal Chaganlal	Donation towards the Poor Box Charity Fund at K. E. M. Hospital ...	4 per cent. Government Loan 1960-70 ...	5,700	88 12	5,058 12
		Balance out of the donations received during the Influenza Epidemic invested in Securities, the interest being utilised for augmenting the Poor Box Charity Fund (Corporation Resolution No. 13650 of 12th March 1928). Securities purchased out of interest accumulations.	4 per cent. Government Loan 1960 70 ...	5,800	88 0
The Estate Agent, Bombay Improvement Trust on behalf of the staff.	Donation towards the Poor Box Charity Fund ...	4 Do. do. ...	900	79 0	711 0
		3½ per cent. Government Loan 1865 ...	2,000	96 2	1,922 8
Mr. Malloo Baloo	Donation in memory of Bai Rajiabai Malloo Yadav towards the Poor Box Charity Fund.	4 Do. do. 1960-70 ...	200	88 0	176 0
		3 per cent. Municipal Debentures ...	1,000	Par	1,000 0
	<i>Convalescent Home.</i>	Poor Box Charity, Total Rs. ...	15,600		13,972 4
Dean, K.E.M. Hospital	Donation out of Poor Box Charity Fund for a Convalescent Home ...	3 per cent. Government Loan 1951-54 ...	6,000	Par	6,000 0
		3½ Do. do. 1879 ...	1,000	Do.	1,000 0
		3½ Do. do. 1842-43 ...	16,000	Do.	16,000 0
		3½ Do. do. 1865 ...	13,000	Do.	13,000 0
		3½ Do. do. 1854-55 ...	9,000	Do.	9,000 0
		3½ Do. do. 1900-01 ...	17,000	Do.	17,000 0
		4 Do. do. 1960-70 ...	20,000	Do.	20,000 0
		4 Do. Bombay Port Trust Debentures ...	4,000	Do.	4,000 0
		4 Do. Bombay Improvement Trust Debentures ...	24,000	Do.	24,000 0
		5 Do. Bombay Municipal Debentures ...	18,000	Do.	18,000 0
		6 Do. do. do. ...	12,000	Do.	12,000 0
	Convalescent Home, Total Rs. ...	1,40,000		1,40,000 0	
	Grand Total Rs. ...	3,09,000		2,98,382 6	

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J. K. DARUVALA,

*Chief Accountant.*

M. D. BHAT,

*Municipal Commissioner.*



No. 17.

Duty was levied during 1942-43 under section 192(1) of the City of Bombay Municipal Act of 1888.

GHEE AND VEGETABLE PRODUCTS AT 10 ANNAS PER QUARTER.		TIMBER AT 2½ PER CENT. ON MARKET VALUE.		FIREWOOD AT 6 ANNAS PER TON.		SUNDRIES.		TOTAL MONTHLY COLLECTIONS.
Quarters.	*Amount of duty.	Value.	Amount of duty.	Tons.	Amount of duty.	Plus.	Minus.	
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
8,806	5,504	2,56,429	6,411	2,376	891	...	...	20,628
9,774	6,109	2,32,472	5,812	642	241	...	...	23,974
17,666	11,041	86,078	2,152	46	18	...	...	20,075
917	573	48,077	1,202	...	...	...	...	18,091
7,455	4,659	2,35,607	5,890	201	75	...	...	19,352
11,692	7,308	2,67,392	6,685	799	300	...	...	26,350
13,626	8,516	5,27,269	13,182	3,068	1,150	...	...	36,722
9,302	5,814	5,32,025	13,300	3,967	1,488	...	...	29,309
7,629	4,768	5,35,318	13,383	3,667	1,375	...	...	26,188
6,931	4,332	3,64,282	9,107	5,889	2,208	...	...	31,693
5,290	3,307	6,59,846	16,496	6,250	2,344	...	...	46,332
3,305	2,065	6,59,760	16,494	8,202	3,076	...	...	36,769
...	...	...	...	...	...	...	...	960
102,393	63,996	44,04,555	1,10,114	35,107	13,166	...	...	3,36,443
6,821	4,263	52,868	1,322	...	...	...	...	1,73,822
8,602	5,377	1,64,960	4,124	...	...	...	...	1,48,001
12,573	7,858	61,057	1,527	...	...	...	...	78,688
4,958	3,099	53,190	1,330	313	117	...	...	77,152
4,799	3,000	44,570	1,114	...	...	...	...	77,056
5,074	3,171	55,243	1,381	...	...	...	...	59,289
12,377	7,736	21,008	525	516	193	...	...	44,712
17,041	10,650	55,090	1,377	670	252	...	...	46,870
28,284	17,677	53,342	1,334	684	256	...	...	65,417
25,627	16,017	76,095	1,902	1,600	600	...	...	73,083
21,814	13,634	56,880	1,422	884	332	...	...	61,533
17,695	11,059	71,917	1,798	1,059	397	...	...	44,531
165,665	1,03,541	7,66,220	19,156	5,726	2,147	...	...	9,50,154
2,661	1,663	1,18,170	2,954	3,047	1,143	...	...	46,066
3,065	1,916	1,12,070	2,802	4,674	1,753	174	...	49,272
6,685	4,178	98,710	2,468	6,934	2,600	1	...	63,667
16,921	10,575	1,60,720	4,018	6,757	2,534	...	...	53,615
7,787	4,867	80,205	2,005	7,578	2,842	...	...	23,148
7,631	4,770	1,05,245	2,631	7,950	2,981	...	...	51,641
11,180	6,987	1,39,170	3,480	6,609	2,478	...	...	1,23,206
9,392	5,670	99,010	2,475	6,118	2,294	...	...	86,547
10,766	6,729	1,15,540	2,888	8,870	3,326	...	...	66,328
6,811	4,257	1,19,055	2,976	8,570	3,214	1	...	1,10,145
4,620	2,888	1,70,525	4,263	7,245	2,717	...	...	1,79,741
3,628	2,267	1,61,955	4,049	6,297	2,361	...	...	1,36,165
91,147	56,967	14,80,375	37,009	80,649	30,243	176	...	9,89,541
5,435	3,397	22,012	550	162	60	...	...	7,297
6,089	3,806	20,673	517	111	42	...	...	7,730
7,663	4,802	79,440	1,986	136	51	...	...	11,646
6,919	4,324	62,008	1,550	104	39	...	...	8,256
4,988	3,118	55,290	1,382	38	14	...	...	9,190
2,897	1,810	68,098	1,702	20	8	...	...	9,083
9,477	5,923	53,185	1,330	26	10	...	...	12,537
9,282	5,801	52,438	1,311	106	40	...	...	13,281
6,895	4,310	69,680	2,242	298	112	...	...	12,886
4,253	2,658	73,375	1,834	485	182	...	...	11,516
4,262	2,664	1,30,382	3,265	460	172	...	...	11,354
4,392	2,745	1,30,380	3,260	389	146	...	...	11,738
72,572	45,358	8,37,161	20,929	2,335	876	...	...	1,26,514
431,777	2,69,862	74,88,311	1,87,208	1,23,817	46,432	176	...	24,02,652
21,680	13,550	2,62,503	6,563	...	...	...	...	8,56,317
410,097	2,56,312	72,25,808	1,80,645	1,23,817	46,432	176	...	15,46,335
Total Collection of Town Duty for 1942-43		Rs.	Rs.	Rs.	Rs.			24,02,652
Add—Outstanding on 31st March 1942 due by—								
Bombay Port Trust		...	824					
G. I. P. Railway		...	34,300					
B. B. & C. I. Railway		...	2,161					
								37,285
								24,39,937
Deduct—Outstanding balances on 31st March 1943 due by—								
Bombay Port Trust		...	556					
G. I. P. Railway		...	11,546					
B. B. & C. I. Railway		...	2,046					
				14,148				
Total amount of commission, etc., charges for the collection of Town Duty deducted at the source		...	...	60,530				
Refunds paid in 1942-43—								
For previous years		...	2,15,179					
For 1942-43		...	6,67,431	8,82,610				
								9,57,288
								Total Rs. .. 14,82,649
REFUNDS—								
Balance outstanding for 1941-42		...	2,22,469					
Add—Refunds sanctioned by E. & T. D. O. for 1942-43.		...	8,56,317					
				10,78,786				
Less—Refunds passed by the Chief Accountant		...	...	8,82,610				
Balance outstanding		...	...	1,96,176				

M. D. BHAT,  
Municipal Commissioner.

## Income of the Bombay Municipality from the year

TAXATION PROPER										
Year.	Gross Valuation.	House Rate.	Police Rate.	Wheel Tax and Tolls.	Licences for Trades, Land Conveyances, Music, etc.	Town Duties.	Cotton Duty.	Liquor Licences.	Tobacco Licences.	
	Rs.	Consolidated Rate.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1932-33	14,41,33,933	@ 11%	1,20,42,747	10,70,340	1,71,385	11,27,188	8,28,856	1,43,750	3,50,771	@ 1/2%
1933-34	14,32,51,802	Do.	1,22,45,281	10,57,393	1,69,759	14,02,738	8,86,189	1,43,750	2,54,247	Do.
1934-35	14,54,15,785	@ 12%	1,33,68,984	11,46,683	1,78,149	13,87,977	*758	1,43,750	3,65,150	Do.
1935-36	14,72,00,410 (Rateable Value)	Do.	1,28,88,990	11,13,357	1,82,301	14,77,756		1,43,750	3,28,225	Do.
1936-37	13,31,56,299	@ 11%	1,26,18,595	10,74,038	1,92,968	14,48,130		1,43,750	3,93,000	Do.
1937-38	13,62,69,866	Do.	1,25,73,931	14,29,080	1,93,564	13,09,001		1,43,750	4,14,250	Do.
1938-39	13,48,69,247	Do.	1,36,06,715	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.

\*Abolished with effect from 1-4-1934.  
†As per S. C. R. No 646, dated the 3rd October 1935

J. K. DARUVALA,  
Chief Accountant.

## Expenditure of the Bombay Municipality

Year.	General Superintendence.	Assessment and Collection.	Fire Brigade.	Public Works (Engineering) Department.	Public Health Department.	General Stores.	Pensions and Gratitudes and Provident Fund.	Education.	Medical Relief.	Debt.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1932-33	3,85,083	4,66,482	3,02,499	55,88,550	31,25,898	62,292	8,16,812	32,45,592	17,13,017	1,33,53,226
1933-34	3,77,708	4,58,593	2,69,016	53,90,313	29,83,376	61,293	9,48,829	32,30,720	16,56,005	1,32,22,310
1934-35	3,12,069	4,53,999	2,94,402	50,68,619	29,08,983	62,330	9,85,621	32,02,997	16,48,684	1,25,93,943
1935-36	4,57,885	6,21,859	3,31,127	51,72,046	28,31,750	75,535	10,01,238	32,11,219	16,85,887	1,21,43,455
1936-37	4,73,635	6,35,879	3,56,413	53,03,448	28,66,924	76,752	10,58,470	33,86,264	17,96,734	1,19,45,222
1937-38	4,71,811	6,28,592	4,16,289	58,01,823	29,68,240	73,772	9,34,532	35,06,561	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	1,24,94,113
1941-42	5,11,192	7,62,592	3,39,989	62,17,370	31,75,222	75,905	12,73,507	41,55,226	19,34,992	1,26,83,919
1942-43	5,29,154	7,71,691	3,30,152	60,10,818	32,21,516	76,290	12,74,070	42,41,771	20,62,631	1,25,66,415

J. K. DARUVALA,  
Chief Accountant.

No. 18.

1932-33 to close of the Financial year 1942-43.

Contribution from Insurance Companies or Fire Tax.	Total Taxation Proper.	SERVICES RENDERED.			MISCELLANEOUS.	Total Income.	Year.	Population by Census.	Incidence of Taxation per head of population.	Five years' average annual income.
		Halalkhore Tax.	Water Tax.	Total services rendered.	Returns from Property and Miscellaneous.					
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	3,49,67,552
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	

M. D. BHAT,  
Municipal Commissioner.

No 19

from the year 1932-33 to the close of the financial year 1942-43.

Contribution to the Bombay Improvement Trust	Public Gardens.	Measures for Civil Defence.	Grain Compensation.	Plague Expenses.	Slum Service.	Miscellaneous.	Total.	Year.	Five years' average annual expenditure.
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
(a) 32,84,740	1,57,141			67,759		4,43,796	3,25,51,599	1933-34	
33,39,680	1,45,748			69,968		5,32,016	3,16,19,059	1934-35	
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	
(b) 24,69,485	1,67,090	11,55,548	9,72,830	62,514		5,53,473	3,64,65,448	1942-43	

(a) Includes 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.

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 20.

Contrasted Statement of Income and Expenditure of the Bombay Municipality  
from 1932-33 to 1942-43.

Year.	Income.	Expenditure.	DIFFERENCE	
			Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
1932-1933	3,00,02,381	3,21,69,117	...	21,66,736
1933-1934	3,14,15,971	3,25,51,599	...	11,35,628
1934-1935	3,19,33,106	3,16,19,059	3,14,047	...
1935-1936	3,23,76,453	3,12,97,539	10,78,914	...
1936-1937	3,20,58,229	3,19,29,489	1,28,740	...
1937-1938	3,30,16,418	3,27,48,184	2,68,234	...
1938-1939	3,47,67,275	3,34,84,350	12,82,925	...
1939-1940	3,46,56,101	3,47,44,038	...	87,937
1940-1941	3,56,31,765	3,59,18,406	...	2,86,641
1941-1942	3,67,66,203	3,59,21,521	8,44,682	...
1942-1943	3,89,01,941	3,64,65,448	24,36,493	...

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

Appendix No. 21.  
IMPROVEMENT SCHEMES.  
General Financial Statistics.

Particulars.	1938-39.	1939-40.	1940-41.	1941-42.	1942-43.
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>GENERAL ACCOUNT.</b>					
<i>Receipts.</i>					
1. Land Revenue	51,98,536	53,48,506	52,53,255	52,26,917	54,12,392
2. Municipal contribution	34,29,454	37,11,006	35,73,077	36,88,945	24,69,485
3. Tobacco Duty	10,41,030	9,88,000	5,38,622	10,00,000	4,13,223
4. Miscellaneous	4,62,242	3,85,627	4,42,445	4,38,886	4,32,783
	1,01,31,262	1,04,33,139	98,07,399	1,03,54,748	87,27,883
<i>Expenditure.</i>					
5. Maintenance of Properties and Streets	18,16,329	19,53,053	21,67,231	17,73,303	17,57,705
6. Debt Charges	80,87,520	80,18,708	80,27,387	79,94,668	79,62,380
7. Repayment of excess amount received on account of Contribution from Municipal Corporation	...	...	...	...	6,27,745
	99,03,849	99,71,761	1,01,94,618	97,67,971	1,03,47,830
8. Surplus (+) or Deficits (-)	+2,27,413	+4,61,378	-3,87,219	+5,86,777	-16,19,947
<i>Loans.</i>					
9. Debt outstanding	16,46,74,234	16,42,15,264	16,37,54,180	16,32,79,467	16,17,88,592
10. Redemption and Sinking Funds in hand or invested	2,40,35,999	2,57,39,758	2,75,04,853	2,93,47,180	3,10,38,866
11. Net Loan Debt	14,06,38,235	13,84,75,506	13,62,49,327	13,39,32,287	13,07,49,726

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 22.**  
**IMPROVEMENT SCHEMES.**  
*General Account for the year ending 31st March 1943.*

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue expenditure as per Appendix No. 24 ...	1,03,47,830	By Revenue Receipts as per Appendix No. 23 ...	87,27,883
		..Balance being deficit for the year (transferred to Capital Account Balance Sheet—Appendix No. 25)	16,19,947
Total ...	1,03,47,830	Total ...	1,03,47,830

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*Municipal Commissioner.*

**Appendix No. 23.**  
**IMPROVEMENT SCHEMES.**  
**GENERAL ACCOUNT.**  
**INCOME.**

*Statement showing the Net Receipts during the Financial year 1942-43 from all sources as contrasted with the Original Budget Estimate.*

Particulars.	Budget Estimate for 1942-43.	Revised Estimate for 1942-43.	Actuals for 1942-43.	Actuals for 1941-42.	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 ...	3,62,292	3,62,577	3,66,810	3,58,504	4,518	...
(2) Do. do. X ...	1,26,764	1,26,746	1,34,231	1,25,201	7,467	..
(3) Do. do. Y ...	1,07,939	1,07,939	1,11,588	1,07,016	3,649	...
(4) Do. do. Z ...	204	204	204	204	...	...
(5) Other Lands and Buildings ...	46,59,533	46,42,075	47,99,559	46,35,992	1,40,026	...
	52,56,732	52,39,541	54,12,392	52,26,917	1,55,660	...
II.—Contribution from the Municipal Corporation under Section 125(2)(d) of the Municipal Act ...	36,73,200	24,69,485	24,69,485	36,88,945	...	12,03,715.
III.—Receipts on account of Tobacco Duty ...	10,00,000	4,13,223	4,13,223	10,00,000	...	5,86,777
IV.—Interest and Profit on Investments ...	2,50,000	3,75,000	4,00,902	4,08,324	1,50,902	...
V.—Miscellaneous Receipts ...	37,200	35,800	31,881	30,562	...	5,319
Total Income ...	1,02,17,132	85,33,049	87,27,883	1,03,54,748	3,06,562	17,95,811

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*Municipal Commissioner.*



**Appendix No. 24.**  
**IMPROVEMENT SCHEMES.**  
**GENERAL ACCOUNT.**  
**EXPENDITURE.**

*Statement showing the Actuals as compared with the Final Sanctioned Grants for 1942-43.*

Particulars.	Final grants sanctioned for expenditure during 1942-43.	Actuals for 1942-43.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1941-42.
			Amount required to be renewed in 1943-44.	Savings.	
	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
<b>A.—Maintenance of Properties and Streets.</b>					
<b>(a) Maintenance of Properties—</b>					
I—Lands comprised in Schedule W	75,880	63,993	500	11,387	63,307
II— Do. do. X	25,460	22,248	714	2,498	20,948
III— Do. do. Y	19,434	17,020	...	2,414	16,312
IV— Do. do. Z	37	32	...	5	32
<b>V—Other Lands and Buildings—</b>					
(1) Schemes	10,13,621	7,77,333	41,456	1,94,832	7,89,935
(2) Chawls Permanent	10,11,115	6,06,511	14,466	3,90,138	6,29,395
(3) S. P. Sheds	1,44,245	88,831	11,655	43,759	91,009
<b>(b) Maintenance of Streets</b>	3,95,287	1,60,181	79,718	1,55,388	1,46,228
<b>(c) Preliminary expenses in connection with the Improvement of Slum areas</b>	25,006	19,561	250	5,195	16,137
<b>(d) Measures for Civil Defence</b>	12,006	1,995	10,000	11	...
<b>Total A.</b>	27,22,091	17,57,705	1,58,759 *29,688	8,05,627 -29,688	17,73,303
<b>B.—Cost of Management and Establishment.</b>					
<b>(a) Corporation and Standing Committee</b>	12,496	10,347	775	1,374	10,587
<b>(b) Deputy Municipal Commissioner's Office Establishment</b>	31,833	31,709	95	29	32,475
<b>(c) Audit and Accounts Establishment</b>	34,934	32,978	50	1,906	33,468
<b>(d) Estates and Land Management Department</b>	4,19,281	3,57,062	21,800	40,419	3,58,904
<b>(e) City Engineer's Department</b>	1,63,408	1,50,894	1,171	11,343	1,49,806
<b>(f) General Stores</b>	3,600	3,600	...	...	3,600
<b>(g) Incidental Expenses</b>	1,10,852	98,789	3,612	8,451	96,691
<b>(h) Grain Compensation</b>	76,390	73,634	500	2,256	21,092
<b>Total B.</b>	8,52,794	7,59,013	28,003	65,778	7,06,623
<b>C.—Proportionate charge on account of Municipal Supervision</b>	1,39,018	82,657	1,685	54,676	84,649
<b>Total B and C</b>	9,91,812	8,41,670	29,688	1,20,454	7,91,272
<b>Deduct—</b>					
Charged to Capital Account	2,64,569	1,17,482	...	...	96,278
Charged to General Account	7,27,243	7,24,188	29,688	1,20,454	6,94,994
<b>D.—Debt Charges.</b>					
I.—Interest on Loans	70,04,867	68,70,918	1,28,045	5,924	69,19,368
II.—Appropriation for reduction or avoidance of Debt	10,91,462	10,91,462	...	...	10,75,300
<b>Total D.</b>	80,96,349	79,62,380	1,28,045	5,924	79,94,668
<b>E.—Repayment of excess amount received on account of contribution from Municipal Corporation.</b>	6,27,745	6,27,745	...	...	...
<b>Grand Total</b>	1,14,46,185	1,03,47,830	3,16,492	7,81,863	97,67,971

\* Rs. 29,688 represent expenditure on account of cost of Management and Establishment including Municipal Supervision to be allocated at the end of the year.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 25.**  
**IMPROVEMENT SCHEMES.**

*Balance Sheet—(Capital Account) as at 31st March 1943.*

LIABILITIES	Rs.	ASSETS	Rs.
<b>LOANS OUTSTANDING—</b>		<b>BLOCK ACCOUNT—</b>	
(Vide details as shown in Appendix No. 29) ...	16,17,88,592	Property and Assets at original cost as per Appendix No. 26 ...	18,91,21,081
Book value of lands comprised in Schedules "W" and "X" ...	47,58,490	Book value of lands comprised in Schedules "W" and "X" as per Appendix No. 27 (Section 91A of the Municipal Act) ...	47,58,490
<b>SURPLUS—</b>			
Extraordinary receipts—			
Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan	25,07,830		
Special grants from the Government of India	54,00,000		
Premia on loan raised in 1935-36	30,000		
Sale proceeds of Lands and Buildings—			
Rs.			
Sale proceeds up to 31st March 1942 ...	3,98,98,887		
Sale proceeds during 1942-43 ...	27,98,248		
	4,26,97,135		
Sinking Fund on Loans	3,10,38,866	<b>SINKING FUND—</b>	
Loans Redemption Fund	43,50,192	As per Appendix No. 28	
	3,53,89,058	In Securities and Cash ...	* 3,10,38,866
	8,60,24,023	<b>CAPITAL FUNDS—</b>	
<b>Deduct—</b>		In Securities:—	Face Value Rate % Actual cost.
Revenue Deficits—		4½ per cent. Bombay Improvement Trust Debentures ...	15,00,000 Par 15,00,000
Deficits upto 31st March 1942 ...	1,76,90,272	3 per cent. Bombay Municipal Debentures ...	9,25,700 .. 9,25,700
Deficit during 1942-43 ...	16,19,947	3½ per cent. Bombay Municipal Debentures ...	3,400 .. 3,400
	1,93,10,219	6 per cent. Bombay Improvement Trust Debentures...	42,01,300 .. 42,01,300
	6,67,13,804		
		In Cash and fixed deposits	66,30,400 66,30,400 17,12,049
			†83,42,449
<b>Total Rs. ...</b>	<b>23,32,60,886</b>	<b>Total Rs. ...</b>	<b>23,32,60,886</b>

\* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1943, please see Appendix No. 30.

† Against this, there is a liability to the extent of Rs. 3,16,992 on account of (1) outstanding charges amounting to Rs. 3,16,492 for 1942-43 and previous years payable in the year 1943-44 and (2) the unclaimed amount of Rs. 500 in respect of the debentures of Rs. 30 lakhs loan due for repayment on 1st November 1937.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

**Appendix No. 26.**  
**IMPROVEMENT SCHEMES.**

*Block Account showing details of Capital Expenditure upto 31st March 1943.*

Particulars.	Total Capital Expenditure upto 31st March 1942.	Expenditure during 1942-43.	Total Capital Expenditure upto 31st March 1943.	Particulars.	Total Capital Expenditure upto 31st March 1942.	Expenditure during 1942-43.	Total Capital Expenditure upto 31st March 1943.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
<b>CAPITAL ACCOUNT.</b>				<b>Brought over</b> ...			
<b>Improvement and Street Schemes—</b>				<b>Police Accommodation Schemes.</b>			
Schedule W Lands	12,99,674	11,123	13,10,797	14	84,450	...	84,450
Schedule X Lands	16,26,471	...	16,26,471	16	3,22,667	...	3,22,667
Schedule Z Lands	8	...	8	17	58,981	...	58,981
Scheme No.				18	36,223	...	36,223
1 First Nagpada	29,16,099	...	29,16,099	19	1,79,120	...	1,79,120
2 Princess Street	85,08,865	...	85,08,865	23	79,495	...	79,495
3 Sandhurst Road	1,13,79,105	...	1,13,79,105	24	2,65,953	...	2,65,953
4 Gamdevi	22,88,002	...	22,88,002	25	1,29,407	...	1,29,407
5 Dadar-Matunga	99,47,799	10,860	99,58,659	34	4,61,024	...	4,61,024
6 Sion-Matunga	1,01,59,528	2,02,584	1,03,62,112	35	1,46,104	...	1,46,104
7 Colaba Reclamation	4,78,538	...	4,78,538	39	7,58,893	...	7,58,893
8 Mandvi-Koliwada	26,52,501	...	26,52,501	40	8,28,411	...	8,28,411
13 Souter Street Extension—				44	2,71,434	...	2,71,434
Eastwards	68,102	...	68,102	45	5,71,492	...	5,71,492
27 Mathew Road	14,11,129	...	14,11,129	46	5,69,142	...	5,69,142
29 Nowroji Hill	85,29,623	158	85,29,781	48	4,53,032	...	4,53,032
30 Souter Street Extension—				55	4,32,656	...	4,32,656
Westwards	1,30,512	...	1,30,512	55A	4,53,560	...	4,53,560
31 Parel	91,01,107	...	91,01,107	63	4,82,185	...	4,82,185
32 East Agripada	50,57,935	...	50,57,935	67	24,42,031	...	24,42,031
33 Bhatwadi	3,28,433	...	3,28,433	70	1,58,357	...	1,58,357
36 Lamington Road	2,91,191	...	2,91,191		91,84,617	...	91,84,617
37 Sydenham Road	1,40,31,089	21	1,40,31,110	<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	5,18,990	...	5,18,990
47 Parel Road Northern	52,90,842	290	52,91,132	51	1,29,980	...	1,29,980
49 Nepean Sea Road—Reclamation	3,053	...	3,053	65	2,96,852	...	2,96,852
50 Mazagaon Street	32,47,701	...	32,47,701		9,45,822	...	9,45,822
52 Worli Street	2,33,03,262	Cr. 4,313	2,32,98,949	<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	74,94,786	1,981	74,96,767	Building on Esplanade Road near Queen's Statue	3,21,562	...	3,21,562
57 Sewri-Wadala	1,93,04,861	1,00,013	1,94,04,874	Engineer's Office at Matunga	1,38,468	...	1,38,468
58 Worli-Extension	39,31,876	3,19,803	42,51,679	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.	83,898	...	83,898
60 Naigaum Street	75,35,149	2,475	75,37,624	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		8,63,392	...	8,63,392
71 Chaupati Street	24,085	...	24,085	Discount on Loans	14,53,359	...	14,53,359
Chaupati Reclamation	1,889	...	1,889	Expenses in connection with the Loan of Rs. 10 lakhs	12,227	...	12,227
East Chaupati Estate	4,380	...	4,380		14,65,586	...	14,65,586
72 Tripartite Road	80,226	38,915	1,19,141				
73 Palton Road	2,58,156	4,188	2,62,344				
74 Sion Overbridge	1,519	4,071	5,590				
Lump Provision for Acquisition	6,018	178	6,136				
Lump Provision for Housing Accommodation to the Poorer Classes	133	...	133				
Carried forward	17,59,69,377	6,92,287	17,66,61,664	<b>Grand Total</b> ...			
					18,84,28,794	*6,92,287	18,91,21,081

\* This figure includes Rs. 1,17,482 being the share of cost of Management and Establishment chargeable to Capital Account.

**J. K. DARUVALA,**  
Chief Accountant.

**M. D. BHAT,**  
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 ... (Cooperage Plot resumed by Government)	4,447	...	
The Marine Lines Estate ... (Marine Lines Maidan resumed by Government)	32,825	3,28,250	
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 ...	65,889	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

\* Inclusive of land admeasuring 158 sq. yds. at Rs. 20/- per sq. yd. on account of Government determining the lease of land bearing C. S. No. 704 of Fort Division and transferring to the Municipality under the special Trust clause in the lease.

† Exclusive of land valued at Rs. 3,165/- on account of acquisition for Scheme No. 72 under sec. 354 of the Municipal Act.

**J. K. DARUVALA,**  
*Chief Accountant.*

**M. D. BHAT,**  
*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 1943 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 1943.*

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 1943 at Compound Interest.
1	2	3	4	5	6
<i>4½ per cent. basis.</i>					
5 per cent. Debenture Loan	Rs. 40,00,000	10th November 1919	{ 1st November 1957 1st November 1979	6,696	5,30,618
6 Do. do.	(a) 70,00,000	30th April 1920	{ 1st April 1935 1st April 1980	21,002	5,18,423
4½ Do. do.	45,00,000	20th February 1922	20th February 1982	7,533	4,80,504
4½ Do. do.	52,00,000	2nd October 1922	2nd October 1982	8,705	5,55,257
4½ Do. do.	8,00,000	22nd January 1923	22nd January 1983	1,339	82,220
4½ Do. do.	82,00,000	Do.	Do.	13,727	5,42,898
4½ Do. do.	30,00,000	14th March 1923	14th March 1983	5,022	3,08,374
4½ Do. do.	40,00,000	2nd November 1923	2nd November 1983	6,696	3,95,567
4½ Do. do.	20,00,000	2nd January 1924	2nd January 1984	3,348	1,90,158
4½ Do. do.	29,00,000	5th March 1924	5th March 1984	4,855	2,75,750
4½ Do. do.	20,00,000	1st November 1924	1st November 1984	3,348	1,82,699
4½ Do. do.	60,00,000	10th November 1924	10th November 1984	10,044	5,48,097
4½ Do. do.	20,00,000	2nd January 1925	2nd January 1985	3,348	1,75,404
4½ Do. do.	20,00,000	2nd October 1925	2nd October 1985	3,348	1,68,272
4½ Do. do.	15,00,000	2nd November 1925	2nd November 1985	2,511	1,26,204
4½ Do. do.	35,00,000	2nd January 1926	2nd January 1986	5,859	2,82,261
	Rs. 5,86,00,000				56,62,706
<i>4 per cent. basis.</i>					
4 per cent. Rupee Coupon Debenture Loan	50,00,000	1st November 1899	1st November 1959	10,564	(b) 23,47,746
4 Do. do.	30,00,000	6th September 1901	6th September 1961	6,280	12,78,736
4 Do. do.	30,00,000	15th July 1902	15th July 1962	6,280	12,16,888
4 Do. do.	60,00,000	20th August 1903	20th August 1963	12,560	23,14,884
4 Do. do.	50,00,000	7th September 1904	7th September 1964	10,493	(c) 18,33,083
4 Do. do.	30,00,000	12th September 1905	12th September 1965	6,280	10,45,383
5 Do. do.	25,00,000	17th September 1926	{ 16th September 1956 16th September 1986	5,233	2,31,439
5½ Do. do.	25,00,000	4th November 1929	1st November 1944	5,233	1,76,199
	Rs. 3,00,00,000				1,04,44,358
<i>3½ per cent. basis.</i>					
4 per cent. Debenture Loan	Rs. 25,00,000	4th October 1927	{ 4th April 1961 4th October 1970	12,695	4,95,324
<i>3 per cent. basis.</i>					
4 per cent. Debenture Loan	20,00,000	2nd October 1906	2nd October 1966	6,148	(d) 7,87,099
4 Do. do.	15,00,000	24th September 1907	24th September 1967	4,610	5,64,097
4 Do. do.	30,00,000	8th September 1908	8th September 1968	9,219	10,76,944
4 per cent. Sterling Coupon Debenture Loan (£5,66,600)	84,99,000	1st July 1909	1st July 1969	25,654	29,27,283
4 Do. do. (£3,33,000)	49,95,000	1st July 1910	1st July 1970	15,077	16,40,421
4 per cent. Debenture Loan	25,00,000	28th August 1912	28th August 1972	7,683	7,39,217
4 Do. do.	18,00,000	26th August 1913	26th August 1973	5,532	5,05,823
4 Do. do.	50,00,000	4th August 1914	4th August 1974	15,365	13,33,644
4 Do. do.	25,00,000	3rd January 1916	3rd January 1976	7,683	6,32,272
3½ Do. do.	10,00,000	31st January 1936	14th March 1966	21,019	(e) 1,61,295
	Rs. 3,27,94,000				1,03,68,095
Grand Total Rs.	12,38,94,000			Total Rs.	2,69,70,483

1	Amount actually invested upto 31st March 1943.				5	Amount of interest accrued upto 31st March 1943 collected and invested in 1943-44		7	
	Amount of Sinking Fund invested upto 31st March 1942.		Sinking Fund Instalments paid in 1942-43			Total.			Total of Columns 5 and 6.
	Rs.	a. p.	Rs.	a. p.		Rs.	a. p.		
Sinking Funds	2,93,47,179	12 2	6,00,587	0 0	13,23,705	0 0	3,12,71,471	12 2	
Less-withdrawn for repayment of Loans							2,32,606	0 0	
In Public Securities as detailed in Appendix No. 30							3,10,38,865	12 2	
In Cash with the Imperial Bank of India.							3,10,38,782	7 0	
							83	5 2	
Total Rs.							3,10,38,865	12 2	1,22,565 12 11 3,11,61,431 9 1

(a) Out of Rs. 70 lakhs Loan Debentures for Rs. 4 lakhs held by the public were repaid on 1-4-35 under the option reserved to the Corporation, leaving balance of Rs. 66 lakhs. The amount of half-yearly Sinking Fund instalment has been changed with effect from 1-4-35 from Rs. 12,002 to Rs. 21,002 as under:—

The usual half-yearly S.F. instalment ... Rs. 12,002  
Half yearly interest at 4½% on the portion of Rs. 4 lakhs repaid out of S.F. accumulations ... .. 9,000

Rs. 21,002

(b) 16 instalments of Rs. 10,240 each and the rest at Rs. 10,564.

(c) 5 instalments of Rs. 10,240 each and the rest at Rs. 10,493.

(d) 1 instalment of Rs. 6,037 and the rest at Rs. 6,148.

(e) This amount to be invested annually.

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.

## Appendix IMPROVEMENT

*Statement showing outstanding Loans of the Bombay Improvement Trust due by the payable for the year 1942-43, the amount paid during the year and the*

No.	Particulars of Loans.	Amount raised.	Balance due on 1st April 1942.	Rate of Interest	Amount raised in 1942-43.	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	Consolidation Loan in respect of Conversion Loan 1935-36, Rs. 35 lakhs Loan, and Rs. 8 lakhs Loan ...	4,17,94,178 1	3,87,84,966 10 0	3.3759 per cent.		3,87,84,966 10 0
2	45 lakhs Loan 1922 ...	45,00,000 0	21,35,948 0 0	4½ Do.		21,35,948 0 0
3	52 lakhs Loan October 1922 ...	52,00,000 0	23,64,052 0 0	4½ Do.		23,64,052 0 0
4	8 lakhs Loan 22nd January 1923 ...	8,00,000 0	81,64,052 0 0	5½ Do.		81,64,052 0 0
5	82 lakhs Loan 22nd January 1923 ...	82,00,000 0	90,35,948 0 0	4½ Do.		90,35,948 0 0
6	30 lakhs Loan 14th March 1923 ...	30,00,000 0				
7	40 lakhs Loan 2nd November 1923 ...	40,00,000 0	43,00,000 0 0	5½ Do.		43,00,000 0 0
8	20 lakhs Loan 2nd January 1924 ...	20,00,000 0	46,00,000 0 0	4½ Do.		46,00,000 0 0
9	29 lakhs Loan 5th March 1924 ...	29,00,000 0				
10	20 lakhs Loan 1st November 1924 ...	20,00,000 0	59,00,000 0 0	5 Do.		59,00,000 0 0
11	60 lakhs Loan 10th November 1924 ...	60,00,000 0	41,00,000 0 0	4½ Do.		41,00,000 0 0
12	20 lakhs Loan 2nd January 1925 ...	20,00,000 0				
13	20 lakhs Loan 2nd October 1925 ...	20,00,000 0	57,00,000 0 0	5½ Do.		57,00,000 0 0
14	15 lakhs Loan 2nd November 1925 ...	15,00,000 0	13,00,000 0 0	4½ Do.		13,00,000 0 0
15	35 lakhs Loan 2nd January 1925 ...	35,00,000 0				
	<b>Total loans raised from Government</b> ...	8,93,94,178 1	8,63,84,966 10 0			8,63,84,966 10 0
<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	25 lakhs Loan 1929 ...	25,00,000 0	25,00,000 0 0	5½ Do.		25,00,000 0 0
21	30 lakhs Loan 1931 ...	30,00,000 0	500 0 0	6½ Do.		500 0 0
22	10 lakhs Loan 1933 ...	10,00,000 0	10,00,000 0 0	5 Do.		10,00,000 0 0
23	10 lakhs Loan 1935 ...	10,00,000 0	10,00,000 0 0	3½ Do.		10,00,000 0 0
	<b>Total Loans raised from the Public</b> ...	8,02,94,000 0	7,68,94,500 0 0			7,68,94,500 0 0
	<b>Grand Total</b> ...	16,96,88,178 1	16,32,79,466 10 0			16,32,79,466 10 0

J. K. DARUVALA,  
Chief Accountant.

No. 29.

## SCHEMES.

Municipality, the interest outstanding on 1st April 1942, on the different Loans, the amount balances outstanding on 31st March 1943.

Amount repaid in 1942-43.		Balance due on 31st March 1943.		Interest outstanding on 1st April 1942.		Interest payable in 1942-43.		Total interest due.		Deduct interest paid during the year.		Outstanding balance on 31st March 1943.	
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.
4,90,874	8 0	3,82,94,092	2 0	...	...	13,05,233	8 0	13,05,233	8 0	13,05,233	8 0	...	...
...	...	19,90,787	0 0	(a)	...	1,01,457	8 0	1,01,457	8 0	1,01,457	8 0	...	...
...	...	25,09,213	0 0		...	1,06,382	8 0	1,06,382	8 0	1,06,382	5 0	...	*0 3 0
...	...	76,09,213	0 0	(b)	...	4,49,022	14 0	4,49,022	14 0	4,49,022	14 0	...	...
...	...	95,90,787	0 0		...	4,06,618	2 0	4,06,618	2 0	4,06,617	11 0	...	*0 7 0
...	...	40,00,000	0 0	(c)	...	2,25,750	0 0	2,25,750	0 0	2,25,750	0 0	...	...
...	...	49,00,000	0 0		...	2,07,000	0 0	2,07,000	0 0	2,07,000	0 0	...	...
...	...	56,00,000	0 0	(d)	...	2,95,000	0 0	2,95,000	0 0	2,95,000	0 0	...	...
...	...	44,00,000	0 0		...	1,84,500	0 0	1,84,500	0 0	1,84,500	0 0	...	...
...	...	55,00,000	0 0	(e)	...	2,99,250	0 0	2,99,250	0 0	2,99,250	0 0	...	...
...	...	15,00,000	0 0		...	58,500	0 0	58,500	0 0	58,500	0 0	...	...
4,90,874	8 0	8,58,94,092	2 0	...	...	36,38,714	8 0	36,38,714	8 0	36,38,713	14 0	...	*0 10 0
...	...	50,00,000	0 0	1,848	15 4	2,00,000	0 0	2,01,848	15 4	1,98,300	0 0	3,548	15 4
...	...	30,00,000	0 0	1,797	5 10	1,20,000	0 0	1,21,797	5 10	1,19,983	8 0	1,813	13 10
...	...	30,00,000	0 0	2,474	10 4	1,20,000	0 0	1,22,474	10 4	1,17,311	10 10	5,162	15 6
...	...	60,00,000	0 0	4,103	11 3	2,40,000	0 0	2,44,103	11 3	2,37,477	7 11	6,626	3 4
...	...	50,00,000	0 0	7,657	11 10	2,00,000	0 0	2,07,657	11 10	1,97,552	5 4	10,105	6 6
...	...	30,00,000	0 0	1,567	1 4	1,20,000	0 0	1,21,567	1 4	1,19,435	3 0	2,131	14 4
...	...	20,00,000	0 0	1,381	5 1	80,000	0 0	81,381	5 1	79,732	1 11	1,649	3 2
...	...	15,00,000	0 0	1,927	8 0	60,000	0 0	61,927	8 0	58,372	3 0	3,555	5 0
...	...	30,00,000	0 0	2,868	1 0	1,20,000	0 0	1,22,868	1 0	1,19,734	10 0	3,133	7 0
...	...	84,99,000	0 0	1,120	0 0	3,06,442	0 0	3,07,562	0 0	2,95,532	2 8	8,300	0 0
...	...	49,95,000	0 0	440	0 0	1,80,102	0 0	1,80,542	0 0	1,78,128	14 0	*3,729	13 4
...	...	25,00,000	0 0	2,563	9 8	1,00,000	0 0	1,02,563	9 8	1,00,062	7 0	220	0 0
...	...	18,00,000	0 0	21,199	2 0	72,000	0 0	93,199	2 0	69,945	15 0	*2,193	2 0
...	...	50,00,000	0 0	969	4 0	2,00,000	0 0	2,00,969	4 0	1,98,295	13 0	2,501	2 8
...	...	25,00,000	0 0	...	...	1,00,000	0 0	1,00,000	0 0	1,00,000	0 0	23,253	3 0
...	...	40,00,000	0 0	400	0 0	2,00,000	0 0	2,00,400	0 0	1,99,725	0 0	2,673	7 0
...	...	66,00,000	0 0	...	...	3,96,000	0 0	3,96,000	0 0	3,96,000	0 0	675	0 0
...	...	25,00,000	0 0	175	0 0	1,25,000	0 0	1,25,175	0 0	1,25,050	0 0	...	...
...	...	25,00,000	0 0	2,430	0 0	1,00,000	0 0	1,02,430	0 0	97,984	11 0	125	0 0
...	...	25,00,000	0 0	6,514	2 0	1,37,500	0 0	1,44,014	2 0	1,31,080	0 0	4,445	5 0
...	...	† 500	0 0	189	9 4	...	...	189	9 4	...	...	12,934	2 0
10,00,000	0 0	...	...	25,000	0 0	50,000	0 0	75,000	0 0	75,000	0 0	189	9 4
...	...	10,00,000	0 0	17,500	0 0	35,000	0 0	52,500	0 0	17,500	0 0	...	...
10,00,000	0 0	7,58,94,500	0 0	1,04,127	1 0	32,62,044	0 0	33,66,171	1 0	32,32,204	0 8	1,28,044	1 0
...	...	...	...	...	...	...	...	...	...	...	...	*5,922	15 4
14,90,874	8 0	16,17,88,592	2 0	1,04,127	1 0	69,00,758	8 0	70,04,885	9 0	68,70,917	14 8	1,28,044	1 0
...	...	...	...	...	...	...	...	...	...	...	...	*5,923	9 4

\* To be treated as savings.  
† This amount is to be paid out of Capital Account.

	Amount of loan outstanding on 1st April 1942.	Amount of debentures held by Govt. on 1st April 1942.	Amount of debentures re-purchased during 1942-43.	Amount of debentures held by Govt. on 31st March 1943.	Amount of debentures held by the Corporation on 31st March 1943.
	Rs.	Rs.	Rs.	Rs.	Rs.
(a)	45,00,000	21,35,948	1,45,161	19,90,787	25,09,213
(b)	1,72,00,000	81,64,052	5,54,839	76,09,213	95,90,787
(c)	89,00,000	43,00,000	3,00,000	40,00,000	49,00,000
(d)	1,00,00,000	59,00,000	3,00,000	56,00,000	44,00,000
(e)	70,00,000	57,00,000	2,00,000	55,00,000	15,00,000
Total ...	4,76,00,000	2,62,00,000	15,00,000	2,47,00,000	2,29,00,000

M. D. BHAT,  
Municipal Commissioner.

## Appendix No. 30.

## IMPROVEMENT SCHEMES.

*Comparison of Face, Purchase and Market Values at 31st March 1943 of the different Securities held in the Sinking Fund (vide para 32 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.
3½ per cent. Government Loan 1947-50 ...	3,29,600	3,21,390 0 0	103 15 0	3,42,578 0 0
4 per cent. Government Loan 1960-70 ...	7,23,500	7,00,156 11 0	110 7 0	7,99,015 5 0
3 per cent. Government Loan 1963-65	4,02,300	3,94,254 0 0	95 8 0	3,84,196 8 0
4 per cent. Bombay Port Trust Debentures ...	3,17,000	2,84,726 14 0	109 0 0	3,45,530 0 0
4 per cent. Bombay Municipal Debentures ...	1,03,000	1,00,167 8 0	Par	1,03,000 0 0
4 per cent. Bombay Improvement Trust Debentures ...	29,92,800	27,74,952 12 0	..	29,92,800 0 0
4½ per cent. Bombay Improvement Trust Debentures	2,14,00,000	2,14,00,000 0 0	..	2,14,00,000 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 ...	21,69,000	21,85,725 0 0	..	21,69,000 0 0
3½ per cent. Bombay Municipal Debentures ...	1,69,900	1,69,900 0 0	..	1,69,900 0 0
3 per cent. Bombay Municipal Debentures ...	4,40,100	4,40,100 0 0	..	4,40,100 0 0
4 per cent. B. I. Trust Sterling Debentures ...	£90,800	13,62,000 0 0	Par at 1/5 $\frac{s\ d\ 31}{32}$	12,12,772 2 9
Total	{ Rs. 3,00,28,700 £ 90,800	3,10,38,782 7 0		3,13,40,391 15 9

J. K. DARUVALA,  
Chief Accountant.

M. D. BHAT,  
Municipal Commissioner.



# ASSESSMENT & COLLECTION DEPARTMENT.

Bombay, 29th June 1943.

Subject:—Administration Report for the year 1942-43.

**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) 11½ per cent., water tax 3¾ per cent. and halalkhor tax 3 per cent. The rates charged for the supply of water by meter measurement also continued to be the same as in the previous year except with regard to the supply to (1) bungalows and gardens with fountains and (2) cotton and other mills and dyeing and bleaching mills, where the rate was enhanced from annas 10 per 1,000 gallons to annas 12 and 14, respectively, and to boarding houses, bakeries and hamamkhanas, where it was reduced from annas 14 to 10.

**Properties.**—The total number of properties on 31st March 1943 was 48,967, viz., (1) buildings 39,976; (2) salt pans 74 and (3) lands including tanks, wells, etc., 8,917, as against 48,664 on 31st March 1942. Out of the aforesaid properties, 39,483 were assessed to general tax, 1,608 were exempted from it under Section 143 (1) (a) of the Municipal Act and 6,793 were not taxed, being small plots of waste lands, etc. The last do not include vacant lands belonging to Government, which are not assessable unless beneficially occupied, and lands belonging to the Port Trust, or the Railways, which are separately assessed. The number of Municipal properties exempted from general tax under Section 143(1)(b) of the Municipal Act during the year was 1,083.

Properties newly erected, demolished and enlarged in 1942-43 numbered 701, 373 and 594, respectively, the corresponding figures for the year 1941-42 being 774, 527 and 812. The number of single room tenements, double room tenements and flats or blocks in the City on 31st March 1943 was 2,39,069, 45,614 and 43,477, respectively.

**Rateable Value.**—The rateable value of all properties in the City on 31st March 1943 was Rs. 14,63,63,848 against Rs. 14,27,65,826 on 31st March 1942.

**Vehicles and Animals.**—Particulars of vehicles and animals taxed during the year (exclusive of those taxed under the Public Conveyances Act) are as under:—

	Number.		Number.
Four-wheeled vehicles drawn by animals ...	256	Motor cycles ...	274
Two-wheeled vehicles drawn by animals ...	572	Motor cycles with sidecars ...	80
Motor cars ...	9474	Hand-carts ...	1742
Motor lorries ...	1368	Ponies ...	26
Horses (including those in commission stables).	1074	Bullocks ...	1081

**Bills.**—The total number of bills for property taxes and wheel tax issued during the year was 85,262 and 49,448, respectively, of which 84,438 and 47,315, respectively were for 1942-43 and 824 and 2,133, respectively, for previous years.

## Total Demand, Collection and Outstandings of all Taxes for the year 1942-43 as compared with the two previous years.

(Annas and pies are omitted. Amounts above annas 8 are taken as full rupees and those below annas 8 are omitted).

Particulars.	Total gross demand.	Total Net demand (after allowing drawback and amending and cancelling certain bills).	Collections during 1942-43.	Percentage.	Amount outstanding on 31st March 1943.	Percentage.
	Rs.	Rs.	Rs.		Rs.	
(1) Property Taxes ...	3,30,23,331	3,22,84,403	2,86,31,575	88.7	36,52,828	11.3
(2)* Wheel-tax ...	15,77,646	15,35,823	13,68,835	89.1	1,66,988	10.9
1942-43 ...	3,46,00,977	3,38,20,226	3,00,00,410	88.7	38,19,816	11.3
1941-42 ...	3,31,32,640	3,24,84,301	2,85,24,672	87.8	39,59,628	12.2
1940-41 ...	3,26,17,617	3,17,84,356	2,80,12,608	88.1	37,71,747	11.9

\* Out of the figures against wheel-tax mentioned above, the demand, collection and outstandings in respect of 1,083 public motor vehicles amounted to Rs. 1,48,919-10-0; Rs. 1,18,175-10-0 and Rs. 30,744, respectively.

**Particulars of Outstandings.**—The outstandings which at the end of the year under report amounted to Rs. 38,19,815-10-1 stood reduced to Rs. 28,98,644-3-10 on 15th June 1943 as under, Rs. 8,56,222-5-0 having been collected and bills for Rs. 64,949-1-3 having been recalled and cancelled.

Particulars.	Amount outstanding on 31st March 1943.		Amount recovered up to 15th June 1943.	
	Rs.	a. p.	Rs.	a. p.
(1) (a) Government contribution (sum in lieu of general tax from 1934-35 to 1942-43 under Section 144)	14,37,321	7 10		
(b) Government (Property Taxes)	1,04,248	4 0		
(2) Bombay Port Trust	15,41,569	11 10	94,560	14 0
(3) Bombay Municipal Corporation (Improvements)	876	13 0	146	13 0
(4) C. I. P. Railway	12,624	5 0	1,611	14 0
(5) B. B. & C. I. Railway	18,862	13 0	18,776	2 0
(6) Mills	84,269	3 0	84,269	3 0
(7) Other ratepayers	4,235	8 0		
	21,57,327	4 3	6,56,857	7 0
Total	38,19,815	10 1	8,56,222	5 0

As regards 1(a), as the High Court has decided on 18th March 1943 that properties vesting in His Majesty and occupied for educational and medical purposes are entitled to exemption from payment of general tax under Section 143(1)(a) of the Municipal Act, the amounts shown as outstanding in respect thereof, viz., Rs. 14,37,321-7-10 will have to be treated as cancelled. As regards 1(b) and (2), the balances of Rs. 9,687-6-0 and Rs. 730 still due are expected to be paid shortly. As regards (3), the balance is expected to be adjusted shortly. As regards (4), the balance of Rs. 86-11-0 is expected to be received shortly after a dispute regarding water charges is settled. As regards (6), out of Rs. 4,285-8-0, a sum of Rs. 3,808-2-0 is due from the Premier Mills pending disposal of an appeal against the value and the balance of Rs. 477-6-0 is due from other mills, payment of which is expected shortly. As regards (7), out of Rs. 21,57,327-4-3 shown as outstanding against other rate-payers, a sum of about Rs. 5,50,000 is in respect of suits filed or being filed and about Rs. 30,000 are payable by the Court Receiver and the Official Assignee. As a result of additions and alterations to several properties in the latter part of the year, amended bills to the extent of Rs. 4,00,000 were issued as late as March 1943 and for want of time they could not be recovered before the close of the year. This fact has tended to inflate the outstandings. The outstandings against private rate-payers within the control of the staff at the end of the year were Rs. 11,77,327-4-3 against the demand of about Rs. 2,39,00,000 made against them, which comes to only 4.9 per cent. This percentage stands reduced to 3.2, if the total demand, viz., Rs. 3,38,20,226 were taken into consideration.

**Miscellaneous Receipts.**—Miscellaneous receipts realised from notices of demand, distress warrants, battaki fees, inspection fees and other items amounted to Rs. 10,295-3-8 against Rs. 10,696-5-6 in the preceding year. The number of notices of demand issued and served and distress warrants issued and executed during the year was 11,359; 6,004; 2,826 and 28, respectively.

**Meter Hire.**—Receipts from meter hire amounted to Rs. 73,709-4-0 against Rs. 72,005-4-0 for 1941-42 and Rs. 2,775-12-0 remained to be collected at the close of the year.

**Exemption.**—The amount of full exemption allowed in respect of general tax on properties entitled to such exemption under Sections 143 (1-a) and (1-b) and the amount of partial exemption under Sections 144(3) and 145(3) were equivalent to Rs. 9,98,232-13-0 against Rs. 9,92,040-9-0 during 1941-42.

**Drawback and Refund.**—The following statements show the particulars of drawback and refund claims dealt with during the year and the preceding two years:—

#### Draw Back.

Year	No. of claims received.	No. of claims admitted.	Percentage.	No. of claims rejected.	Percentage.	Amount of drawback allowed.
1942-43	11,885	6,215	52.3	5,670	47.7	Rs. 3,44,823 3 0
1941-42	10,959	6,326	57.7	4,633	42.3	3,94,850 2 0
1940-41	10,302	5,310	51.5	4,992	48.5	3,94,999 4 0

#### Refund.

Year	No. of claims received.	No. of claims admitted.	Percentage.	No. of claims rejected.	Percentage.	Amount
1942-43	8,823	6,025	68.3	2,798	31.7	Rs. 1,97,240 5 0
1941-42	9,136	6,454	70.6	2,682	29.4	5,05,320 5 0
1940-41	12,546	9,541	76.0	3,005	24.0	5,03,601 0 0

**Complaints and Appeals against valuations.**—There were 717 complaints under Section 167 of the Act against assessments amounting to Rs. 50,16,563 net, fixed during the currency of the year, and 3,126 complaints under Section 163 against original assessments amounting to Rs. 1,83,09,869 net. The assessments were, on investigation of the complaints, reduced to Rs. 43,40,874 and Rs. 1,73,34,084, respectively, the reduction amounting to Rs. 6,75,689 and Rs. 9,75,785 giving a percentage of 13.5 and 5.3, respectively.

There were 19 appeals against rateable values under Section 162(2) of the Municipal Act. Of these 10 appeals were settled out of Court, one was dismissed and 8 were decided by the Court in favour of the appellants.

**Riot Tax.**—During the year under report the Department had to prepare and issue bills for additional general tax in connection with the communal riots of 1941. This work was carried out by the existing staff with the help of 3 additional Head clerks and 15 temporary clerks who were appointed for the purpose for a period of 3 months.

The total amount of riot tax collected during the year in respect of the various riots referred to in statement 'C' was Rs. 3,55,962-12-3.

**The Urban Immoveable Property Tax.**—The rates of taxation were  $7\frac{1}{2}$  per cent. in the case of buildings and lands in the City of which the rateable values were not less than Rs. 2,001 each and  $3\frac{1}{2}$  per cent. in the case of buildings and lands of which the rateable values were less than Rs. 2,001 but not less than Rs. 500 each against the rates of 8 per cent. and 4 per cent., respectively, in the preceding year. The gross collections, refunds and drawbacks of the urban immoveable property tax during the year 1942-43 amounted to Rs. 83,90,107-10-9, Rs. 5,60,448-11-0 and Rs. 2,36,064-11-0, respectively. The collections of the urban immoveable property tax during the year amounted to about 92.3 per cent. of the demand against 92.6 per cent. in the preceding year.

**House Numbering.**—During the year, house numbering plate bills amounting to Rs. 1,439 were recovered and bills amounting to Rs. 327-8-0 remained to be collected at the close of the year.

**General Remarks.**—The undersigned was on leave from 20th April 1942 to 7th May 1942 when the Deputy Assessor looked after his work in addition to his own. The outstanding event of the year was the amendment of the Municipal Act by Bombay Act VIII of 1942, whereby wheel-tax was made payable quarterly in advance instead of in arrears. This provision was brought into force from 1st July 1942. The revision of values of textile and other mills in the City for 1943-44 was also contemplated and with this end in view the floor areas of mills were measured jointly with the Surveyors appointed by the Mill Owners' Association and

special notices enhancing the values were served on the mills before the close of the year. A temporary staff of 9 Surveyors and 14 peons was appointed for a period of 2 months for the joint survey with the sanction of the Standing Committee (*vide* S. C. R. No. 1113, dated the 4th November 1942). With a view to economising paper and saving clerical labour some of the printed forms in use were simplified during the year. At the request of Government the enumeration of properties without electric connection for the purposes of kerosene oil rationing was undertaken. This occupied the whole of the outdoor staff from 31st October 1942 to 30th November 1942. A temporary staff of 110 clerks was then appointed for a period of 15 days to prepare the ration cards. The entire cost on this account was borne by Government. For a period of about 2 months, about 10 per cent. of the indoor staff of this Department was spared for enquiry in connection with the food rationing scheme and no substitutes were appointed for half the number so spared.

**Annexures.**—Statements showing 'A' Rateable value with gross return of the property taxes; 'B' growth of assessment and 'C' particulars of the different riot taxes are annexed hereto.

L. S. KAGAL,  
Assessor and Collector.

### STATEMENT 'A'

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.	
1938-39	1348.69	11½	Rs. 145.24	3½	Rs. 75.94	3	Rs. 35.90	257.08
1939-40	1397.61	"	150.91	"	78.23	"	37.51	266.65
1940-41	1414.61	"	152.77	"	80.07	"	38.09	270.93
1941-42	1427.66	"	154.25	"	86.84	"	38.56	279.65
1942-43	1463.63	"	158.32	"	92.65	"	39.63	290.60

### STATEMENT 'B'

Growth of Assessment during the past five years (in lakhs of Rupees).

Year.	Original Assessment Rateable Value.	Assessment after disposal of complaints.	Amount of subsequent reduction during the year by demolitions and on complaints.	Subsequent enhancement New buildings &c., enlargement & other assessment.	Final Assessment Rateable Value.	Increase Final difference over preceding year's assessment.	Classification of Rateable Value.		
							Chargeable with General Tax.	Exempted from General tax under Sec. 143 (1) (a) & (b) etc.	For which no bills for General Tax are issued.
1938-39	1369.15	1363.36	98.68	84.01	1348.69	14.00	1262.97	85.64	.08
1939-40	1344.85	1361.99	21.32	56.94	1397.61	48.92	1312.95	84.58	.08
1940-41	1385.06	1402.88	26.53	38.26	1414.61	17.00	1328.43	86.08	.10
1941-42	1415.86	1411.14	13.96	30.48	1427.66	13.05	1341.33	86.26	.07
1942-43	1431.99	1442.65	11.61	32.59	1463.63	35.97	1376.77	86.80	.06

### STATEMENT 'C'

Statement showing particulars of different Riot Taxes.

Particulars.	Amount Awarded.		Amount Collected upto 31st March 1943.		Difference.	
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Riot Tax No. V.— Communal Riots of 1929	7,54,710	0 0	6,92,915	10 0	-61,794	6 0
Riot Tax No. VI.— Bhendy Bazar Riots of 1930	10,877	0 0	8,096	8 0	-2,780	8 0
Riot Tax No. VII.— Kalbadevi Riots of 1930	10,000	0 0	8,432	12 0	-1,567	4 0
Riot Tax No. VIII.— Mogal Mahomedan Riots of 1931	11,232	0 0	11,166	14 0	-66	2 0
Riot Tax No. X.— Communal Riots of 1932	20,45,761	0 0	19,79,117	13 7	-66,643	2 5
Riot Tax No. XI.— Northbrook Garden Riots of 1933	17,000	0 0	16,754	1 0	-245	15 0
Riot Tax No. XII.— Communal Riots of 1936	5,63,442	8 0	5,45,285	8 6	-18,156	15 6
Riot Tax No. XIII.— Communal Riots of 1937	55,610	0 0	54,166	15 3	-1,443	0 9
Riot Tax No. XIV.— Communal Riots of 1938	66,000	0 0	66,631	13 9	+ 631	13 9
Riot Tax No. XV.— Communal Riots of 1941	4,00,358	0 0	3,42,290	0 6	-58,067	15 6
Total	39,34,990	8 0	37,24,858	0 7	-2,10,132	7 5

# ELECTION AND TOWN DUTY.

No. T.D./9192/S.R. of 1943-44.

Bombay, 12th June 1943.

Subject : *Annual Report for the year 1942-43 of the Election and Town Duty Department.*

SIR,

I have the honour to submit the Annual Report of the Election and Town Duty Department for the year 1942-43.

2. The undersigned was in charge of the Department throughout the year.
3. The rates of town duties during the year continued to be the same as in the previous year, *i.e.*, at the maximum rates mentioned in Schedule 'H'.
4. The gross realisations on account of Town Duties, refunds allowed in accordance with the provisions of Section 195 of the Municipal Act and the net receipts are shown in Appendix 'A'. For the sake of comparison, the gross collections and refunds during the year and those in the previous year are given below :—

		1941-42.	1942-43.
		Rs.	Rs.
Gross Collections	...	31,19,860	24,02,652
Refunds	...	11,77,945	8,56,317
Net Revenue	...	19,41,915	15,46,335

5. There was a considerable reduction in the imports of Grain, Sugar, Beer and Timber and there was also a corresponding reduction in the exports of these articles. Though the net revenue shows a decrease of Rs. 3,95,580 as compared with the abnormal receipts for the previous year, still it is more than the average revenue for the last 10 years.

6. The total number of claims received during the year was 14,394 and the amount refunded was Rs. 8,56,317 against 41,267 claims and Rs. 11,77,945 refunded in the preceding year.

7. During the year, 9,20,946 packages of Sugar, jaggery and molasses were stamped with the Municipal marks and 43,093 packages of ghee and ghee substitutes were sealed against 13,36,725 and 29,001 packages respectively in the previous year.

8. The fees for the stamping of Sugar bags and the sealing of ghee tins and cases amounted to Rs. 48,708 against Rs. 61,877 in the previous year.

9. The town duties collected by this Department on goods coming into the City along Sion, Mahim and Chembur Causeways amounted to Rs. 1,26,348 against Rs. 1,18,508 in the previous year.

10. The fees for Municipal supervision at factories, etc., amounted to Rs. 1,154 against Rs. 4,729 in the previous year.

11. The refunds allowed under Rule 23(B) of the Town Duty Refund Rules on sugar candy manufactured in the City and exported outside amounted to Rs. 4,015 against Rs. 16,708 in the previous year.

12. The proposal of the Corporation to amend Schedule 'H' so as to enable the Corporation to levy town duties on certain additional articles is still pending with Government, awaiting consideration by the Legislature on the restoration of Provincial Autonomy.

### Election Section.

In accordance with the provisions of Section 19 of the Municipal Act, the Municipal Election Roll was revised and published as required by Section 20 on 19th December 1942 (20th being Sunday). The total number of voters enrolled in the nineteen wards was 2,76,960.

2. The Roll of Delegates as contemplated by Section 21-A was prepared and published on the due date. In all 8 Unions responded to the letters addressed to the Unions for electing delegates. The roll published contains 87 names of Delegates.

3. During the year five casual vacancies of Councillors occurred from the General Ward Electorates, one from the Registered Trade Unions and one from the Millowners' Association. The vacancies were filled up as shown below :—

Serial No.	Ward No.	Vacancy.	Name of the Candidate returned.
1	2	Mr. Mathuradas Tricamji, B.A., (Resigned) ... ..	Dr. M. D. D. Gilder, B.A., M.D. (Lond.), F.R.C.S. (Eng.), F.C.P.S. (Bom.).
2	6	Mr. Umadatta S. Nemani. (Ceased to be a Councillor owing to his absence from Corporation meetings for 12 successive months).	Mr. Ratilal Mulji Gandhi.
3	13	Mr. Mahomed Shahid Nazimbux. (Ceased to be a Councillor owing to his absence from Corporation meetings for 12 successive months).	Mr. N. C. Pupala.
4	14	Mr. S. B. More. (Ceased to be a Councillor owing to his absence from Corporation meetings for 12 successive months).	Mr. S. S. Mirajkar.
5	15	Mr. K. N. Joglekar. (Ceased to be a Councillor owing to his absence from Corporation meetings for 12 successive months).	Mr. K. N. Joglekar. (Re-elected).
6	Registered Trade Unions.	Mr. Abdul Razak Abdulla. (Resigned) ... ..	Mr. Moideen Bawa.
7	Millowners' Association.	Mr. Krishnaraj Madhowji D. Thackersey. (Resigned).	Mr. Ramnath Anandilal Podar.

4. In the By-Election for Ward No. 15, there were 7 cases of personation. In 4 cases the accused were discharged as they bore identical names with those of the voters on the Roll. The remaining 3 cases in which the accused have not been traced so far are on the dormant file.

5. Proposals regarding the amendment of certain Provisions relating to Municipal Elections are under consideration by Government. Revised Schedule 'B' constituting 34 new wards is under the consideration of the Corporation.

6. During the year, the expenditure on the revision of the Electoral Rolls was Rs. 29,716 including Rs. 713 spent for the temporary staff that was appointed for about a month for copying out the names of the Addenda in the manuscript copy for the Printing Press. The printing of Addenda and Corrigenda cost Rs. 12,295 and the expenditure for making arrangements for holding the By-Elections amounted to Rs. 4,725.

7. In accordance with the Municipal Commissioner's orders the whole Election Department enumerating staff was spared for rationing enquiry work under the Executive Health Officer for about 50 days continuously. The services of these employees who were in such work were appreciated by the supervising staff.

K. R. KELKAR,

*Election and Town Duty Officer.*

### Appendix 'A'

*Statement showing the Collections, Refunds and net Revenue from Town Duties for the years 1941-42 and 1942-43.*

	COLLECTIONS.				REFUNDS.				NET REVENUE.			
	1941-42.	1942-43.	Increase in 1942-43.	Decrease in 1942-43.	1941-42.	1942-43.	Increase in 1942-43.	Decrease in 1942-43.	1941-42.	1942-43.	Increase in 1942-43.	Decrease in 1942-43.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Grain at 8 pies per maund.	8,82,697	5,99,564		2,83,133	3,59,903	1,81,111		1,78,792	4,85,748	4,01,014		84,734
Flour at 6 pies per maund.	12,734	6,535		6,199	49,780	23,974		25,806				
Sugar at 8 annas per Cwt.	14,52,509	11,58,681		2,93,828	7,09,066	5,98,665		1,10,401	7,43,443	5,60,016		1,83,427
Wines and Spirits at 4 annas per Imperial gallon.	1,06,520	1,19,412	12,892		13,742	23,289	9,547		92,778	96,123	3,345	
Beer at 6 pies per Imperial gallon.	51,886	14,782		37,104	17,456	9,165		8,291	34,430	5,617		28,813
Ghee at 10 annas per Qr.	2,40,048	2,62,746	22,698		11,551	11,089		462	2,28,497	2,51,657	23,160	
Ghee substitutes at 10 annas per Qr.	6,307	7,116	809		2,237	2,462	225		4,070	4,654	584	
Timber at 2½ per cent. on the market value.	3,24,745	1,87,208		1,37,537	14,210	6,562		7,648	3,10,535	1,80,646		1,29,889
Firewood at 6 annas per ton.	42,291	46,432	4,141	...	...	...	...	...	42,291	46,432	4,141	...
Miscellaneous	123	176	53	...	...	...	...	...	123	176	53	...
			40,593	7,57,801 —40,593			9,772	3,31,400 —9,772			31,283	4,26,863 —31,283
Total Rs. ...	31,19,860	24,02,652		7,17,208	11,77,945	8,56,317		3,21,628	19,41,915	15,46,335		3,95,580

K. R. KELKAR,

*Election and Town Duty Officer.*

# CITY ENGINEER'S DEPARTMENT.

No. CESR/1173 of 1943-44.

Bombay, 15th June 1943.

Subject:—Administration Report for the year 1942-43.

The Report is grouped under the following heads:—

- (1) Architectural Branch.
- (2) Private Building Construction including acquisition of setbacks.
- (3) Inventory of Municipal Properties.
- (4) Mechanical Branch.
- (5) Works Branch.
- (6) Removal of Town Refuse to Deonar.

## ARCHITECTURAL BRANCH

### Upkeep and Repairs of Municipal Buildings.

The total number of Municipal and Ex-Trust properties maintained during the year was 2,195 against 2,255 maintained in the previous year.

### PROPERTIES.

About 58 buildings were demolished during the year as they were either found in an unsound condition or were required to be pulled down for execution of development schemes. The materials of the demolished buildings were sold by public auction and the sale proceeds realised amounted to Rs. 18,689-8-0. Some of the buildings were demolished departmentally with a view to training our staff and also reclaiming some of the useful materials, so that the services of trained staff could be utilised on demolition and rescue work in the event of damage to Municipal or private buildings by enemy action.

The work of repairs and maintenance was carried out partly by the contractors and partly through the departmental agency. Mr. J. B. Bankar was the contractor for repair work of properties in Division No. I comprising A, B, C, D and E/East Wards and Messrs. Desai Lallubhai & Co., were the contractors for Division No. II comprising E/West, F and G Wards. Their rates were 30 per cent., and 45.25 per cent. above Municipal schedule rates.

The monsoon repair and lime-washing works of Municipal properties were carried out departmentally as an experiment and the results obtained were satisfactory, both economically as well as from the point of view of workmanship. The total cost of all repair and maintenance works amounted to Rs. 3,42,656.

### LOAN WORKS—BUDGET 'A'.

No new construction works could be carried out during the year on account of high cost of building materials and the difficulty of obtaining them due to war conditions. All the works such as provision of bathing and washing places in the City, extension of the K.E.M. Hospital, construction of the T.B. Clinics, construction of a chawl at Bapty Road for Conservancy staff, etc., etc., provision for which was made in the Budget had therefore to be deferred.

There were only two important works carried out during the year. The first was the guniting treatment of Block B of the Paltan Road chawls. The work was entrusted to Messrs. The Hindustan Construction Co. Ltd., at an estimated cost of Rs. 99,840 and was in progress at the close of the year. The total expenditure booked before the close of the year amounted to Rs. 62,063. The other work, *viz.*, construction of a Fire Brigade Station at Memonwada, was given by contract to Messrs. Nirmala and Co. The total cost of the work including the cost of the land which belonged to the Ex-Trust was estimated at Rs. 1,65,752. The work is in progress.

### CAPITAL ACCOUNT—BUDGET 'B'

Out of 381 rooms including 16 shops in Scheme No. 6, Sion-Matunga, the work of construction which was entrusted to Messrs. Nanjee Shamjee & Co., only 80 rooms were completed by the contractors. The construction of the remaining rooms had to be deferred on account of the high cost of materials. No other construction works provided for in Budget B could be taken in hand during the year for the same reason.

### CIVIL DEFENCE MEASURES.

The work of constructing blast and splinter proof walls for the protection of occupants of Municipal buildings including Fire Brigade Stations, garages, etc., in the event of air raids, was carried out departmentally as well as through the agency of well-known contractors and the total cost was estimated at Rs. 5,00,000.

### NEW WORKS—BUDGET "A".

The works of constructing offices for collection of town duties at Duncan Causeway leading to Chembur and at Mahim were entrusted to Messrs. Aziz & Co., at a cost of Rs. 13,022 and Rs. 8,527 respectively. The contractors could not however take the works in hand before the close of the year as the order to commence the work could not be issued to them earlier.

The work of constructing a block of sanitary conveniences on the Back Bay Reclamation area was entrusted to Messrs. Desai Lallubhai & Co., and the work was nearing completion at the close of the year. The cost of the work was estimated at Rs. 13,410 and the expenditure booked at the close of the year amounted to Rs. 11,092.

It may be pointed out here that works of the aggregate estimated cost of Rs. 25,69,714 (including Revenue and Loan Works, Budget A and B) which are generally carried out through the Architectural branch were budgeted for, but the actual expenditure during the year amounted to Rs. 5,49,038 only. The actual expenditure works out to 21 per cent., of the total Budget grants. This is obviously unsatisfactory, but it was entirely due to the scarcity and abnormally high prices of building materials owing to war conditions.

### PRIVATE BUILDING CONSTRUCTION

The following table shows the number of applications for the erection of new buildings and for alterations to the existing buildings, received under Sections 337 and 342 of the Municipal Act during the last five years :—

Year.	Under Section 337.	Under Section 342.	Total number of buildings dealt with.	Total number of applications.
1938-39	1,166	1,129	2,297	4,306
1939-40	943	964	1,907	3,683
1940-41	858	1,098	1,956	3,792
1941-42	862	950	1,812	3,968
1942-43	381	378	759	1,650

Note.—Two or more modified proposals are generally received in connection with one and the same building, hence the difference between the figures in the last two columns in the above table.

The fall in the number of applications during the year under report is due to the scarcity of building materials due to the war.

### SETBACKS

The following is a comparative statement of amounts spent for acquisition of set-backs in the City during the last five years :—

Year.	Amounts paid as setback compensation.
	Rs. a. p.
1938-39	9,37,936 9 8
1939-40	11,82,795 1 9
1940-41	10,82,062 10 5
1941-42	7,85,481 13 2
1942-43	3,24,277 15 5

Due to the fall in the building proposals there was a corresponding fall in the acquisition of setbacks.

The liabilities outstanding in respect of the acquisition of setbacks amounted to Rs. 10,40,923-2-5. This includes cases in which setback lands have been acquired but have been leased to house-owners concerned on certain terms and conditions as the adjoining setbacks have not yet been acquired. The compensation in such cases which is estimated approximately at Rs. 51,562 becomes payable on the termination of the leases.

During the year under report, liability on account of time-barred cases was cancelled to the extent of Rs. 64,553-4-0.

The following is a list of regular lines prescribed or substituted afresh to suit the requirements of modern traffic :—

- (1) Curve at the junction of Marine Lines and 1st Marine Street in the property of the Old Scottish Cemetery.
- (2) Regular lines on Parel Village Lanes between C.S. Nos. 319, 317 to 335-352, and 331, 393-391, 371 to 352 and 385 to 388.  
Road lines between Parel Village Road and Parel Back Road and from King Edward Road south-westwards to C.S. No. 390 and 388 and from King Edward Road southwards up to C.S. No. 331 to 393.
- (3) Regular line at Forjett Street at its junction with Tardeo Road.
- (4) Regular line at Mahim Causeway.
- (5) Regular line on Hornby Vellard from the northern boundary of C.S. No. 1538 southwards to a distance of about 1300 feet up to the private track to Race Course.
- (6) Regular line at Sir Bhalchandra Road between Kohinoor Road and Chandavarkar Road.
- (7) Regular line on Kittridge Road between Colaba Road and Wodehouse Road and northward and southward corners at the junction of Kittridge Road and Wodehouse Road.
- (8) Regular line for the street declared public off Low Level Road (South) of Elphinstone Bridge, C.S. Nos. 89, 94 and 43.
- (9) Curves of 20' radius on either side of Coculdas Pasta Road at its junction with Dadar Road.
- (10) Curve of 15' radius at the junction of Masjid Bunder Road and Mohamedally Road, C.S. No. 736.
- (11) The western curve at the junction of Lady Hardinge Road and 50' Road on C.S. No. 544.

## ENFORCEMENT OF BUILDING REGULATIONS.

Prosecutions were launched against house-owners for non-compliance with requisitions under various sections of the Municipal Act and the result of the proceedings is given in the following statement :—

Section of the Act.	Number of prosecutions.	Number of prosecutions withdrawn or requisitions complied with.	Number of cases in which the parties were warned and discharged.	Number of convictions.	Number of postponements following during the year. 1942-43.	Amount of fines.
308	191	124	...	34	33	Rs. a. p. 377 0 0
311	1	1	...	...	...	...
313(I)	1	1	...	...	...	...
329	2	1	...	1	...	5 0 0
337	27	22	...	2	3	30 0 0
342	34	15	2	9	8	301 12 0
344A	1	...	...	...	1	...
347A	5	3	1	...	1	...
349	5	2	...	...	3	...
353	9	3	...	...	6	...
353A	44	20	...	10	14	614 8 0
354	286	174	...	32	80	758 12 0
356	8	4	...	1	3	20 0 0
377A (A)	10	9	...	...	1	...
383	3	3	...	...	...	...
231	55	35	...	15	5	210 0 0
243	27	22	...	5	...	41 0 0
257	152	91	...	54	7	649 14 0
248	2	2	...	...	...	...
258	8	7	...	1	...	10 0 0
259	10	7	...	2	1	16 0 0
<b>Total</b>	<b>881</b>	<b>546</b>	<b>3</b>	<b>166</b>	<b>166</b>	<b>3,033 14 0</b>
Add the amount of fines in respect of old postponed cases disposed of during the year 1942-43						1,086 6 0
Total Rs. ...						4,117 4 0

In all 1192 notices were issued under Section 354 of the Municipal Act for the removal of unsafe structures. Out of these 882 were complied with and the remaining 310 were pending at the close of the year.

Out of 449 notices pending at the end of the last year, 415 were complied with and 34 still remained pending at the close of the year.

The total number of buildings or portions thereof collapsed during the year under report was 37. In 7 cases, 7 persons were injured and 1 was killed. In the remaining cases there were no casualties.

A most unfortunate event unprecedented in the history of building construction in Bombay, occurred on 28th June 1942 when a five-storeyed building under construction on Plot No. 197 Jamshedji Tata Road, Back Bay Reclamation collapsed suddenly enveloping within its ruins about 150 persons, of whom 58 died. A Special Inquiry Committee under the chairmanship of Mr. B. J. Wadia, M.A., LL.B., Bar-at-Law, (Retired Judge of the Bombay High Court) was appointed by the Government of Bombay to enquire into the causes of this mishap. The observations made by the Committee in the course of their Report as far as they relate to Municipal administration are under consideration and a detailed report thereon will be submitted to the Corporation shortly.

Action for the summary removal of huts or walls made of inflammable materials was taken under Section 349 of the Act in 150 cases. Out of these, 110 were complied with and the remaining 40 were pending at the close of the year. The two cases which were pending at the close of the last year were complied with during the year under report. There were 6 cases in which sanction of the Standing Committee was obtained for the removal of unauthorized works. In 3 cases the unauthorized works were removed by the parties concerned and the remaining 3 cases were pending at the close of the year.

In all 3,088 notices under Section 308 of the Municipal Act were issued for the removal of unauthorized projections. Out of these, 2,889 were complied with and the remaining 199 were pending at the close of the year. Out of 489 cases which were pending at the close of the preceding year, 471 were complied with and the remaining 18 cases were pending at the end of the year.

The following statement shows the expenditure incurred and income derived during the last three years on account of temporary projections such as stall-boards, weather-frames and awnings :—

Year.	STAFF.		Income.	Expenditure.	Net Income.
	Sub-Overseers.	Clerks.			
1940-41	18	4	Rs. a. p. 1,41,961 0 0	Rs. a. p. 26,619 5 0	Rs. a. p. 1,15,341 11 0
1941-42	18	4	1,42,138 4 0	27,345 14 0	1,14,792 6 0
1942-43	18	4	1,36,667 0 0	29,339 7 0	1,07,327 9 0



The question of policy to be adopted in respect of stall-board projections in the City is still under the consideration of the Corporation. Pending final decision in the matter in order to afford relief to the pedestrian traffic in congested thoroughfares such as Kalbadevi Road, Girgaum Road, Sheikh Memon Street, the policy of withdrawing or not renewing permission is being adopted. In other localities permission for new stall-boards is given only in exceptional cases and if no obstruction is likely to be caused to traffic. Permits for stall-boards numbering about 50 along the southern footpath of Grant Road have not been renewed in pursuance of Corporation Resolution No. 904, dated the 7th January 1943.

In all 9,412 notices were issued under different sections of the Municipal Act.

During the year under report 978 buildings were surveyed by the Ward staff with a view to registering newly constructed tenements in the City.

The following statement shows the number of tenements newly constructed:—

Ward.	Number of one-room tenements.	Number of two-room tenements.	Number of larger tenements usually known as blocks.
A ... ..	Nil	Nil	261
B ... ..	Nil	Nil	Nil
C ... ..	271	121	33
D ... ..	245	102	117
E ... ..	167	16	5
F ... ..	67	53	120
G ... ..	30	263	78
<b>Total</b> ...	<b>780</b>	<b>555</b>	<b>614</b>

The following statement shows the number of tenements demolished during the year.

Ward.	Number of one-room tenements.	Number of two-room tenements.	Number of larger tenements usually known as blocks.
A ... ..	62	Nil	Nil
B ... ..	65	"	"
C ... ..	52	42	10
D ... ..	82	Nil	17
E ... ..	36	"	Nil
F ... ..	161	15	9
G ... ..	96	17	Nil
<b>Total</b> ...	<b>554</b>	<b>74</b>	<b>36</b>

#### SUBVENTION SCHEME.

The Scheme for compulsory conversion of basket-privies into water-closets on full-flushing system in F and G Wards under Subvention System which was put into operation in October 1939 has been suspended as the Standing Committee by their Resolution No. 1658, dated the 18th February 1942 recorded the proposal for issue of fresh notices under Section 248(1)(c) of the Municipal Act. During the year under report, no new notices were, therefore, issued. However, as a result of the action already taken, 70 privy seats were converted into full-flushing water-closets. The total number of seats converted since the inauguration of the scheme up to the end of the year comes to 3,410. Out of the total amount of Rs. 48,000 provided in the Revised Loan Works Budget for the Subvention Scheme, Rs. 29,160 were expended on these works leaving an unexpended balance of Rs. 18,840.

#### GENERAL.

The proposals for amending the present Building Regulations and Bye-laws are under consideration of the Works Committee. The codes for steel structures and for R.C.C. construction have also been finally drafted and submitted to the Works Committee.

#### A. R. P. MEASURES.

In addition to their normal duties, the staff of the Buildings Branch, with the help of additional whole-time staff appointed by Government, was entrusted with the survey of buildings and the preparation and issue of notices for enforcement of structural Air Raid Precautions in private buildings in the City. The total number of buildings surveyed was 19,274 and the total number of notices prepared was about 14,997. According to the order of priority fixed by Government, one and two-room tenements were tackled first and the number of notices served on the owners of these types of buildings was 5,575. A comprehensive survey including classification in regard to user etc., was also undertaken in order to ascertain the total number of buildings of different types in the City. The work was started on 1st April 1942 and was stopped on 1st March 1943 in view of Government's decision to defer all further structural A.R.P. work in private buildings in the City owing to improvement in the War situation.

#### INVENTORY OF MUNICIPAL PROPERTIES.

The work of preparing an Inventory of Municipal properties inside and outside the City in charge of the Hydraulic Engineer was completed during the year.

At the suggestion of the Chief Accountant the information so far collected for inclusion in the Inventory was recast, classifying the assets of the Municipality under the following heads :—

- (a) Assets created out of borrowed Capital.
- (b) Do. Trust moneys and donations.
- (c) Do. Revenue.
- (d) Assets received as gifts for maintenance.

The statements prepared in this connection are being verified by the Chief Accountant and will be submitted to the Corporation as soon as they are ready.

### MECHANICAL BRANCH.

#### Municipal Workshops.

The total expenditure on Departmental and Private Works carried out in the Municipal Workshops amounted to Rs. 2,32,057 as against Rs. 2,62,950 in the preceding year.

The expenditure on the upkeep and overhead charges of the Workshops amounted to Rs. 64,811 which works out to 28 per cent. on the expenditure incurred on labour and stores used in the execution of works against 25 per cent., of the preceding year.

### PUMPING STATIONS.

#### Love Grove Pumping Station.

The station worked satisfactorily throughout the year. The average quantity of sewage pumped during the dry weather amounted to about 63 million gallons per day whilst during the monsoon period it amounted to 66 million gallons per day. The rate per million gallons of sewage pumped out during the year 1941-42 worked out to Rs. 5.98, whilst for 1942-43 the rate comes to about 6.19. The total expenditure for 1941-42 was Rs. 1,38,424 and while for the year under report it amounted to Rs. 1,44,957.

The average height of the sewage in the detritus chamber continued to be maintained at R.L. 70'-1" (T.H.D.), a suitable level for ensuring a free outfall. No surcharging of sewers occurred during the year. The detritus removed amounted to 3,786 tons. Proposals for improved methods of increasing the precipitation of detritus are under consideration and will be included in the scheme for dealing with problem of 'Sewage Disposal' at this place. To deal with the increased quantity of sewage coming to Love Grove, it is proposed to erect a new pumping station for which technical details and estimates are under preparation and will be placed before the Corporation for their consideration, in due course.

No damage was found to have been caused to the Love Grove Outfall. The preparation of the detailed plans and estimates in connection with the scheme for dealing with the problem of sewage disposal at Love Grove which has been approved by the Corporation could not be taken in hand as the prices of materials were fluctuating and no definite data as to prices was obtainable. The execution of the scheme has therefore, to be postponed until after the war.

### DADAR PURIFICATION WORKS.

The Purification Works at Dadar consisting of the Simplex Activated Sludge Plant, the enclosed Pruss Filter, the Sludge Digestion Tank and the Sludge Gas Compressor Station worked satisfactorily throughout the year. The total volume of sewage received at the plant amounted to 3607.86 million gallons. The quantity of crude sludge digested amounted to 182.5 million gallons. The total gas generated was 24,449,000 cubic feet. The average generation per day being about 67,914 cubic feet. Sludge gas continued to be used in the K.E.M. Hospital and by its staff. The total volume so used amounted to 6,537,200 cubic feet resulting in a net saving of Rs. 17,980-7-0 in respect of the gas consumed at the Hospital and Rs. 2,077-8-0 for the gas used by the staff of the Hospital. The excess gas burnt to waste per day averaged 50,000 cubic feet.

The sludge gas compressor plant was erected in about December 1942 and one lorry equipped for working on sludge gas is running satisfactorily as a regular transport unit from January, 1943. This 4-5 ton Leyland lorry covers about 55 miles on four cylinders fixed thereon containing 1,400 cubic feet of free washed gas, at a pressure of 3,000 lbs. per square inch. During the three months of January, February and March 1943, the lorry travelled a distance of 2,575 miles and consumed 65,756 cubic feet of washed gas containing about 5 per cent. CO<sub>2</sub> and about 85-90 per cent. CH<sub>4</sub> (Methane). Ordinarily this lorry is expected to do about 6 miles per gallon of petrol. The petrol thus saved works out to about 429 gallons and at the present price of Rs. 1-13-0 per gallon, it represents a gross saving of Rs. 780 in three months. The only difficulty in the running of the lorry on sludge gas is that it does not start at its first starting in the morning, after the engine has stopped for the night, without the help of petrol.

The strength of the sewage on four hours' oxygen absorption test, has gone up gradually from 3-4 parts per 100,000 to 9-11 parts during 1941 and 1942. The volume of sewage received was very much in excess of the capacity of the plant. This excess is diverted—about 6 million gallons a day—to the open storm water drain without chlorination as chlorine was not available. This gives rise to occasional complaints from the residents of the locality about bad smell. The conditions can be improved only when the plant is extended to purify the whole quantity of sewage brought at the plant but it seems that we will have to wait for such a consummation till after the war.

The Sewage Works Laboratory did investigation work and examined about 3,000 samples during the year. Statement 'A' gives in a tabulated form the working of the Dadar Sewage Purification Works for 1942-43.

The total expenditure on power, stores, establishment, laboratory, etc., on the working of the Simplex Plant, Pruss Filter, Digestion Tank and the Sludge Gas Compressor Plant including the Dadar Sewage Pumping Station amounted to Rs. 89,338 during the year under report.

### MATUNGA PUMPING STATION.

This station worked satisfactorily during the year. The new Transformers erected at the station have been working satisfactorily and the total profit derived by installing the Transformers and Static Condensers amounted to Rs. 3,057 (for 10 months).

### OTHER MINOR PUMPING STATIONS.

The pumps at the following places continued to be in operation. The approximate quantity of sewage pumped and the expenditure incurred during the year were as under:—

Names of Pumping Stations.	Approximate quantity of sewage pumped in gallons.	Expenditure during the year.
Poibawdi ...	225,000,000	Rs. 3,955
Arthur Road ...	400,000,000	6,728
Sewri ...	250,000,000	3,510
Tank Bunder ...	250,000,000	5,690
Mahim ...	1,043,280,000	16,472
D. D. Chawls, Sewri ...	80,000,000	3,794
Wadala ...	25,000,000	2,434
Sion ...	25,000,000	2,002

The new Pumping Station at Jacob Circle is ready for operation and it is expected to begin work during the year 1943-44.

### Compressor Stations.

The electrically driven Air Compressor stations at the Victoria Gardens and Fergusson Road worked satisfactorily. The electric units consumed at the two stations, together with the cost of current, were as follows—

Compressor Stations.	No of units consumed.	Cost.	Average cost per unit.
Victoria Gardens ...	1,369,740	Rs. 36,783	As. .429
Fergusson Road ...	753,330	20,104	.426

The Static Condensers at these two stations continued to work satisfactorily and the saving effected therefrom during the year under review amounted to Rs. 10,244.

*Warden Road.*—The total number of units consumed by the Compressor and the Pump is 601,440, and the total cost thereof is Rs. 24,977 which works out to an average rate of .664 anna per unit. The question of increasing the capacity of the Compressor for dealing with the additional sewage owing to increased population is under consideration.

*Colaba.*—The Air Compressor Station at Colaba worked satisfactorily during the year, the number of units consumed being 709,397 at a total cost of Rs. 19,445, giving an average rate of .438 anna a unit.

### Ejector Stations.

All the 23 Ejector Stations located in different parts of the City worked satisfactorily during the year. The total quantity of sewage at the various Ejector Stations amounted to 6,054 million gallons during the year. The total expenditure incurred on the maintenance of Compressor and Ejectors amounted to Rs. 1,54,138 for 1941-42 and Rs. 1,62,800 for 1942-43.

There were no serious complaints received from the public regarding the choking of drains in the areas served by the Ejector stations.

### Flood Gates.

The flood gates continued to work satisfactorily during the year. The maintenance cost of these during the year amounted to Rs. 3,486.

*General.*—The maintenance cost of the Pumping and Compressor Stations and also of the Dadar Purification Works has been considerably increased due to the abnormal rise in the cost of materials and spare parts, etc. and also on account of longer working hours of the machinery necessiated by increased population in these areas.

### Inspection of Factories, Workshops and Work-places.

The following table shows the number of new proposals for permits and licenses received and recommended, number of nuisance cases attended to and action taken under Section 392 of the Municipal Act:—

Ward.	New proposals for permits and licenses.		Recommended permits and licenses.		Factories working without permits.	Nuisance cases.	Notice issued under section 392 of Municipal Act.
	Permits.	Licences.	Permits.	Licences.			
A ...	30	3	30	3	...	8	Nil.
B ...	21	6	21	6	...	3	..
C ...	33	29	33	29	...	7	..
D ...	66	44	66	44	...	6	..
E ...	106	39	106	39	1	7	..
F ...	64	17	64	17	2	2	..
G ...	22	7	22	7	...	...	..
Total ...	342	145	342	145	3	33	...

The total number of new cases inspected and disposed of during the year was 487.

The complaints about nuisance from old factories were attended to and necessary steps taken. Surprise visits were also paid to several factories to find out if they were permitted or not. The total number of such cases inspected during the year was 523.

Each factory, workshop and workplace was inspected on more than three occasions.

#### Motor Traction.

The expenditure under D.—Transport, I.—Inspection and Supervision, amounted to Rs. 15,664.

There were 87 vehicles in commission and the expenditure incurred on their running during the year is given in the sub-joined statement.

The old ambulances were sold to the A.R.P. Controller.

No. of vehicles.	Description of cars and lorries.	Cost.
		Rs.
4	Inspection ...	12,394
3	Hearses ...	5,861
5	Ambulances ...	14,596
43	Refuse ...	3,39,098
9	Silt ...	23,801
4	Halalkhore ...	33,628
4	Encroachment ...	10,097
5	Offal ...	20,328
13	Meat ...	98,874

Nine trucks were purchased during the year for A. R. P. emergency work.

The system of supplying the vehicles with petrol, oil and grease, during the night worked satisfactorily resulting in decrease in the cost of running and maintenance of lorries from year to year. Due to war conditions, however, the prices of petrol and spare parts have gone up considerably and the cost of running and maintenance is increasing.

#### Refrigerator Plant at the Arthur Crawford Market.

This plant is now out of date and has passed its useful life. It requires to be replaced by a new one as early as possible, but owing to war conditions, the installation of a new plant has to be postponed till after the war.

The income under 9.—Mechanical, Miscellaneous, Miscellaneous Receipts, which comprises sale proceeds of unserviceable materials, tools and plant, fees for hire of ambulances, sale of sludge gas from Dadar Purification Works amounted to Rs. 43,637 against the revised estimate of Rs. 50,000.

#### Report on the Dadar Sewage Purification Works for the year 1942-43.

From April 1942 to March 1943.

##### Statement 'A'

(1) Sewage Treated	...	3,607.86	Million gallons.
(2) Grit removed	...	130,290	Cubic feet.
(3) Screenings removed	...	3,600	Cubic feet.
(4) Sludge to Consolidation Tanks	...	39,744,000	Gallons.
(5) Sludge to Digestion Tank	...	18,250,000	Gallons.
(6) Dry matter added to Digestion Tank	...	7,343,250	lbs.
(7) Volatile matter added to Digestion Tank	...	3,932,300	lbs.
(8) Digested Sludge removed	...	2,300,000	Gallons.
(9) Total Gas generated	...	24,449,000	Cubic feet.
(10) Gas per gallon of sludge added	...	1.33	Cubic feet.
(11) Gas per lb. of dry matter added	...	3.33	Cubic feet.
(12) Gas per lb. of volatile matter added	...	6.22	Cubic feet.
(13) Gas per 1,000,000 gallons of Sewage treated	...	6,776	Cubic feet.
(14) Total Electric consumption	...	739,743	K.W.H.
(15) Horse Power required per million gallons of sewage treated	...	11.41	
(16) Total Expenditure :	...	Rs. 89,338	
(17) Analytical Data :—		Sewage.	Purified effluent.
4 hours oxygen absorption	...	9.24	1.44 p.p. 100,000
Suspended solids	...	43.73	1.89 "
Dissolved oxygen	...	Nil.	0.22 "
B. O. D.	...	266.4	17.02 p.p.m.

#### WORKS BRANCH.

##### Construction—Roads, Footpaths, Sewers and Storm Water drains.

The total expenditure incurred up to the end of the year on the construction of roads, footpaths, storm water drains and sewers amounted to Rs. 3,07,701 ; works of the value of Rs. 2,34,809 were carried out departmentally and the remaining works costing Rs. 72,892 were carried out by contract. The mode of construction adopted in the case of carriageways was either sheet asphalt or all concrete and in the case of footpaths the mode of pavement was blue stones, pre-cast cement slabs or cement concrete in situ. The details of work carried out are given in the attached statements marked A, B and C.

**Works carried out from the Renewal of Road Surfaces Fund.**

Name of road.	Sanctioned amount.	Expenditure during 1942-43.	Remarks.
(1) Renewing the sett-stone pavement of Mazagaon Road including Hancock Bridge ...	19,861	2,394	Incomplete.
(2) Removing slipperiness of Musjid Bridge approaches.	3,714	3,507	Complete.
Total ...		5,901	

The surfaces of some of the asphalt roads, although due for renewal, could not be tackled for want of asphalt which has been controlled by Government.

**Capital Works in Ex- C.I. Trust Schemes.**

Details of the works carried out in different Trust Schemes are shown in the attached statements D and E.

**Improvement of Private Streets.**

Action under Section 305 of the Municipal Act was taken and notices were served in respect of 4 private streets. The following streets were declared public under Section 306 of the Municipal Act :—

Name of the street.	Length in R. ft.	Area in sq. yds.
(1) Private street off Narsi Natha Street ...	45	45
(2) Private street off Nagdevi Street ...	85	75
(3) Private street between Rose Cottage Lane and Matarpakhadi Road (Lane D) ...	205	205

In pursuance of the decision of the High Court the undermentioned streets which were up to now treated as private streets have been declared as public streets as it was discovered that there were sewers and storm water drains laid under the streets prior to 1888 :—

- (1) Charni Road Cross Lane off Charni Road.
- (2) 20 feet passage off the 60 feet proposed Road, Ranade Road Extension, in front of Plot No. B. 5 near Shivaji Park.
- (3) Off Tank Bunder Road, Mazagaon, opposite the Tank Bunder Market.
- (4) Pitha Cross Lane, off Pitha Street.
- (5) 50 feet private street in Chanda Ramji Press Estate, Colaba Causeway.

During the year, works noted below were carried out departmentally at the cost of the frontagers under the provisions of Section 489 of the Municipal Act :—

Name of the street.	Total expenditure booked during the year.
	Rs. a. p.
(1) Private street off New Parbhadevi Road ...	9,531 5 0
(2) Private street known as Charni Road Cross Lane off Charni Road ...	1,311 2 0
(3) Private street off in Matarpakhadi Oart ...	101 2 0
(4) Private street between Rose Cottage Lane and Matarpakhadi Road Lanes A and B ...	1,937 6 0
(5) Private street between Rose Cottage Lane and Matarpakhadi Road Lane D .....	9 1 0
Total ...	12,890 0 0

Prosecutions were instituted in 12 cases as the frontagers failed to comply with the requisitions under Section 305 of the Municipal Act but were withdrawn on the parties giving undertaking in writing to pay their proportionate shares of the cost of Improvement. Revisional Appeal filed in the High Court in one case which was pending from 1941-42, was decided against the Municipality.

Recoveries of expenditure were made from the house-owners concerned. In 14 cases claims aggregating to Rs. 4,699-12-0 were declared 'Improvement Expenses' with the approval of the Works Committee under Section 494 of the Municipal Act and steps were taken to effect recoveries from the tenants of the properties under Sections 495 and 496 of the Act.

The total expenditure on the improvement of private streets during the year amounted to Rs. 12,890 and the recoveries (including interest) made from the house-owners amounted to Rs. 37,368-3-7.

The amendments to certain Sections of the Municipal Act referred to in my previous report have been submitted to the Corporation for their approval.

**REPAIRS AND MAINTENANCE OF ROADS.**

The total mileage of roads in the City is approximately 261.72 miles. The expenditure incurred in repairing and maintaining the various types of roads is shown in the attached statement F.

A portion of the Jerbai Wadia Road was treated with 'Shalimar' tar in September 1942 as an experimental measure and its behaviour is kept under observation.

### RESTORATION OF TRENCHES.

The lengths of trenches detailed below which were opened by different Public Utility Companies and various Municipal departments were repaired at a total cost of Rs. 2,06,740 at the cost of parties concerned:—

	R.ft.
(1) Water Department ... ..	84,869
(2) Drainage Department ... ..	10,637
(3) Bombay Gas Co., Ltd. ... ..	17,627
(4) Bombay Telephone Co., Ltd. ... ..	20,431
(5) B. E. S. & T. Co., Ltd. ... ..	11,755
(6) Government Telegraph Department ... ..	2,171
(7) Andhra Valley Power Supply Co., Ltd. ... ..	5,416
(8) Miscellaneous Agencies... ..	23,769
(9) Assistant Engineer Schemes ... ..	3,687
Total ...	1,80,362

### ROADSIDE TREES.

*Plantation of new trees.*—The total number of roadside trees planted in the City during the year is approximately 842. Out of this, 255 trees were planted on roads on which no trees existed before and the expenditure incurred thereon amounted to Rs. 3,950-12-0.

*Replacements and maintenance* The rest of the trees planted during the year were to replace casualties in the existing avenues. 350 old trees were cut down as they had either perished or were unsound. 40 trees were uprooted by stormy winds during the monsoon, but fortunately no damage was done to life or property. Nearly 500 trees, mostly young, were destroyed by rowdy elements in the disturbance during August 1942. The total expenditure incurred on maintenance of Roadside Trees amounted to Rs. 6,640-15-0.

*Benches.*—During the year 205 new benches were provided in various parts of the City at a total cost of Rs. 8,583-13-0. Out of these, 141 benches were purchased from Messrs. Modern Concrete Art Industries and 64 manufactured departmentally. The cost of 2 benches made departmentally was met from the balance of the donation of Rs. 4,000 received from Mr. Hariram Jethabhai Bhulchand and they were placed in the Sion Hindu cemetery.

The total expenditure incurred on repairing and maintaining the existing benches at various places amounted to Rs. 323-3-0.

*Road Rollers.*—During the year no new rollers were purchased, on the other hand 8 rollers (5 steam and 3 diesel) were sold to Government in connection with war work at a total cost of Rs. 66,048. It has been stipulated in the case of some of these rollers that Government will re-sell them to the Municipality when they are no longer required, at the price at which they were sold, less depreciation, cost of any spare parts lost. There are now 26 road rollers, out of which 22 are steam driven, 1 diesel oil driven and 3 petrol driven. 6 of these rollers are meant for sheet asphalt works and were lying idle as no asphalt work could be carried out for want of asphalt. The total expenditure on repairs and maintenance of the rollers during the year amounted to Rs. 34,984-6-0.

*Motor Traction.*—There are 21 motor lorries in the Road Department Motor Transport. The mileage done by the lorries for Works Branch and other departments for the transport of materials was 2,63,894 miles. The rates charged to various departments for 4 ton lorries were annas seven per mile and for 1½ ton lorries annas five per mile. A flat rate of R. 3, per brass, was charged for transporting metal from the Municipal Crushers to any part in the City. A rate of Rs. 1-4-0, per ton, was charged for the transport of cement from various goods yards, docks and bunders to the Municipal Stores including loading and unloading. The total expenditure on working of the lorries amounted to Rs. 1,36,521 and the charges realised from various Departments for Work done on their account amounted to Rs. 1,52,567.

One of the petrol-driven 4 ton lorries was converted to run on sludge gas produced at the Dadar Purification Works. Six more lorries will be similarly converted, for which an order for the necessary cylinders and conversion parts has been placed.

### PRIVATE AND DEPARTMENTAL WORKS.

(1) 45 works were carried out for other Municipal departments at a total cost of Rs. 70,925-14-0.

(2) 130 works were carried out for various private parties at a total cost of Rs. 30,428-10-0.

*Permits, etc.*—In all 1,134 permits were issued under different Sections of the Municipal Act for temporary occupation of public streets and opening of trenches therein and the fees received in respect thereof amounted to Rs. 27,659-5-0. The fees realised in respect of occupation of roads for miscellaneous other purposes amounted to Rs. 37,122-9-0, exclusive of the way-leave rental received from the B.E.S. & T. Co., Ltd., and the Bombay Telephone Co., Ltd., amounting to Rs. 66,944-2-0 and Rs. 67,000, respectively.

*Roads and footpaths taken over for maintenance other than those mentioned in the head "Improvement of Private Streets" are given below:—*

#### (a) Roads.

Name of the Road.	From whom taken over.	Length in R. ft.
(1) Portion of Jamshedji Tata Road	Executive Engineer, Presidency, Bombay.	635'-0"
(2) 40' Road North-south behind the Marine Lines Station	Do. do.	900'-0"
(3) 56' Road Centre behind the Marine Lines Station	Do. do.	590'-6"
(4) 50' Road near the Parsi Gymkhana	Do. do.	491'-2"
(5) Road No. 2 Sion Scheme No. VI	Ex-Trust Roads	645'-0"
Total		3,261'-8"

## TRAMWAYS.

No additions were made to the total length of tramtracks during the year. The total length of double tracks in the City is 26.70 miles and that of single tracks 2.27 miles.

In accordance with Corporation Resolution No. 4313, dated the 7th October 1915, the following information regarding the rolling stock has been obtained from the B. E. S. & T. Co., Ltd., for the year under report:—

Type of cars.	Number	Seating accommodation in each.	Total carrying capacity.
Single deck bogie	1	56	56
Do. do.	28	60	1,680
Double deck bogie	43	104	4,472
Do. do.	27	96	2,592
Do. do.	2	92	184
Do. do.	1	86	86
Do. do. centre entrance	19	94	1,786
Do. do.	2	104	208
Do. do.	2	92	184
Single truck trains	51	70	3,570
Do. do.	92	78	7,176
Do. do.	2	74	148
Do. do. Market specials	1	54	54
Do. do.	1	62	62
Do. do.	2	74	148
Total	274		22,406

*Street Name Boards.*—No new street name plates or poles were purchased on account of prohibitive cost. Every effort is being made to replace the street name plates damaged during disturbances etc. as funds permit.

*Cleaning and repairing Port Trust Wharves and Roads.*—As usual, Rs. 1,60,550 and Rs. 43,680 were paid to the Bombay Port Trust on account of maintenance and lighting of the wharves and roads in their charge by adjustment against the amount due from them in respect of the general tax for the year under report.

*Repairs to Ex-Trust Roads.*—Some of the roads in different Improvement Trust Schemes taken over in 1933 are 'kutcha' and the expenditure incurred for maintaining them as well as the trees thereon amounted to Rs. 21,626 and Rs. 5,947 respectively.

*Traffic Islands.*—The traffic islands (1) at the junction of Mayo Road and Cooperage Road and (2) Queen's Road and 120' Road (Bandstand junction) were constructed on permanent basis at a total cost of Rs. 1,679-11-0.

*Pedestrian Guard Railings.*—3 pedestrian guard railings were erected at the following places approved by the Traffic Advisory Committee at a total cost of Rs. 7,955-6-0:—

- (1) Hornby Road junction with Napier Road.
- (2) Sandhurst Road junction with Ibrahim Rahimtoola Road.
- (3) Tilak Road junction with Sir Bhalchandra Road.

*Upkeep and Maintenance of Public Monuments in the City.*—The statues and other public monuments in charge of this Department were periodically cleaned and maintained at a cost of Rs. 1,313-13-0.

## CRUSHERS.

Owing to the diversion of labour for urgent A.R.P. works and the difficulty of getting tar and cement there was less demand for metal from Wards and so only one Crusher at Worli and two Crushers at Sewri were worked during the year.

The Crushers were worked by contract labour, the rates paid to the contractors were Rs. 2-2-0 per 100 C. ft. of rubble crushed for Sewri and Rs. 2-6-0 for Worli Crusher inclusive of removing and screening crushed metal and loading it into lorries. A part of the rubble required was purchased from Messrs. Rawji Sojpal and Sons at the rate of Rs. 14-11-0, per brass, and a part of it was taken from the Municipal stock lying in Ex-Trust Schemes Nos. 58 and 52 at Rs. 8 and 3 per brass respectively exclusive of transport charges.

The Crushers at Love Grove were shifted to the new site at Worli for being installed near the other Crushers.

A Dust Extraction Plant was fixed to the other Crusher at Sewri during the year, one of the Crushers having already been provided with similar equipment. This has helped to abate the dust nuisance to a considerable extent.

The following table gives the financial results of the working of the Crushers:—

	Debit.	Credit.	Net result.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
(1) Sewri Crushers	81,376 6 6	68,953 9 0	Loss. 12,422 13 6
(2) Worli Crushers	51,244 5 0	63,096 0 0	Profit. 11,851 11 0

The loss incurred on the working of Sewri Crushers is due to the cost of labour, materials and spare parts of machinery having risen considerably during the year. The crushers at Worli, however, stand in a more advantageous position in that rubble was available from the Municipal quarry in Worli Scheme No. 52 at a cheaper rate which helped to keep down the expenses and leave a margin for profit.

The table below gives the out put from the Crushers during the year :—

Kind of metal.	Sewri Crusher.	Worli Crusher.	Total.	Rate per 100 C. ft.
	C. ft.	C. ft.	C. ft.	Rs. a. p.
1½" Metal ... ..		1,20,952	1,20,952	14 0 0
1" Metal ... ..		51,479	51,479	15 8 0
½" Metal ... ..	74,300	63,843	1,38,143	17 8 0
Grit ¾" ... ..		19,850	19,850	17 8 0
Grit and Dust ... ..	20,675	30,690	51,365	15 0 0
Fine Grit ... ..	5,475		5,475	13 0 0
Stone Dust Filler ... ..	405		405	7 8 0
				per ton).
Crusher Run ... ..	1,16,275	29,300	1,45,575	16 0 0
Mixed metal 1" and ½" ... ..		5,684		15 8 0
		2,841	8,525	17 8 0
Total ... ..	2,17,130	3,24,639	5,41,769	

#### ASPHALT PLANT.

The Asphalt Plant worked only for 16 days during the first two months of the year and had to be closed down from 1st May 1942 owing to non-availability of asphalt. The area of sheet asphalt laid during the year was, therefore, very small, viz., 3217.71 square yards. The rates for laying sheet asphalt surface and for restoration of trenches were Rs. 4-11-0 and Rs. 9 per square yard respectively.

The total expenditure incurred on the working of the Asphalt Plant amounted to Rs. 49,846-1-0. The value of the materials on hand at the close of the year was Rs. 35,447-2-0.

#### REPAIRS AND MAINTENANCE OF DRAINS AND SEWERS.

(a) **Repairs and Alterations.**—Works of repairs and alterations to drains and sewers including removal and replacement of manhole frames and covers, gratings of water gullies, wherever necessary ventshafts and shifting of water entrances for providing better facilities for cleaning operations were carried out at a cost of Rs. 13,258-0-0.

(b) **Cleaning operations.**—The following table will give an idea of the cleaning works carried out during the year under report :—

Particulars.	Mileage as per last year's report.	Increase during the year.	Total mileage at the end of the year.	Mileage cleaned.	Silt removed. Tons.
Pipe sewers ... ..	201.10	3.73	204.83	98.47	2,820.98
Ovoid sewers ... ..	17.18		17.18	11.76	1,818.78
Storm water drains ... ..	206.63	1.37	208.00	11.84	6,299.71

*Water Courses.*—The water courses were cleaned wherever necessary.

*Catchpits.*—40 catchpits on ovoid and pipe sewers were cleaned and the silt removed was 4,750.09 tons.

*Water Entrances.*—16,247 water entrances including perforated stones were cleaned and opened and closed before and after monsoon. No new water entrances could be constructed to replace the old type perforated ones owing to scarcity of materials.

*Street Connections.*—60,609 street connections were cleaned during the year.

(c) **Biological Installation at Banganga.**—This installation was kept in working order during the year at a cost of Rs. 2,699. The west sea wall which was damaged was under repair at the close of the year.

(d) **Ventshafts.**—All the ventshafts on pipe sewers etc., which number about 953 were maintained and kept in working order.

(e) **Cleaning and Maintaining open storm water channels.**—The cleaning and maintenance these channels were carried out at a total cost of Rs. 5,890. Silt removed was 1,520.30 tons.

(f) The arch over the old sewer drain in Falkland Road was strengthened for a length of about 110 R. ft., by providing 26 rings underneath at a cost of Rs. 4,006.

(g) Extraordinary repairs due to break-downs in the old sewers and sewer drains were carried out at a total cost of Rs. 2,845.

(h) 27 Sluices were operated and maintained at a total cost of Rs. 560.

#### MISCELLANEOUS.

A sum of Rs. 1,150 was realised by the sale of rights of cultivation and cutting grass on the banks of open storm water channels.

#### NEW WORKS.

*Petty Drainage Works.*—In all 15 works of various description were carried out departmentally meeting the expenditure from the grant of Rs. 12,000 provided in the budget for the purpose.

*Completion of House Drainage Connections in different parts of the City.*—139 connections were given from the sewers and 36 from the storm water drains. The total expenditure on this account amounted to Rs. 25,717-11-0.



10 permanent manholes were constructed over storm water drains during the year at a cost of Rs. 2,412.  
6 Ventshafts were provided at a total cost of Rs. 2,292.

No plant and machinery were purchased during the year.

**Departmental and private Works.**—Works costing Rs. 15,229 were carried out at the cost of various departments and private parties.

### DESIGN OFFICE WORKS.

The following statement will show the work done by the Design Office during the year :—

Number of Estimates prepared.	Amounts of estimates.	Number of estimates revised.	Amount of Revised Estimates.	Number of estimates checked.	* Amount of Estimates checked.
383	Rs. 33,57,349	227	Rs. 16,91,390	397	Rs. 2,71,301

536 tracings were prepared and 2500 blue prints were taken out.

The Survey Sheets are being maintained with up-to-date information regarding drainage and sewerage works, street connections and other miscellaneous works.

### DRAINS AND SEWERS.

The following schemes which were approved by the Corporation during the year had to be postponed on account of financial stringency and war conditions :—

- (1) Laying sewers in certain parts of the City where no sewers exist.
- (2) Laying storm water drains in certain parts of the City where no storm water drains exist.
- (3) Providing additional ventilation shafts over the existing storm water drains of sizes 3 ft. and above.

### PUBLIC STREET LIGHTING.

The public street lighting consists of gas, electric and incandescent kerosene oil lamps.

The total number of street lamps in the City at the end of the year was 10,749 which exceeds the corresponding figure for the previous year by 200. Details of different types of lamps are as under :—

Low Pressure Gas lamps :—

Hexagonal 4057 ; Bombay 332 ; Littleton 3538 ; Rochester 494 ; London 11 ; Traffic Directional Lamps at Traffic Islands 87 and G Type pattern lamps 26.

High Pressure Gas Lamps :—

Keith 40 ; Suggs 8 ; Metro Supervia No. I 53 and Metro Supervia No. II 2.

Electrical Lamps of different wattage.—1,917 Nos.

Incandescent Oil Lamps.—184 Nos.

The candle power of gas lamps varies from 80 to 4000 and of electric lamps from 40 watts to 500 watts. There is one lamp of 1500 watts at Sandhurst Bridge.

The following statement shows the total candle power of lamps, the energy consumed by them during the year and the expenditure incurred on account of maintenance etc.

Kind of Lighting.	Candle Power.	Consumption of energy.	Expenditure for Lighting and Maintenance.
Gas ... ..	19,49,960	22,56,29,000 C. ft.	Rs. 6,31,386 a. 10 p. 0
Electric ... ..	4,32,045	408.74 K. Watts.	2,62,819 5 0
Incandescent Oil ... ..	1,10,400	.....	40,480 9 0

An additional expenditure of Rs. 96,691-4-0 was incurred on the following items :—

	Rs.	a.	p.
(1) Erection of new lamps ... ..	531	0	0
(2) Repairs and Maintenance ... ..	52,430	10	0
(3) Miscellaneous ... ..	49	10	0
(4) Lighting of Bombay Port Trust Wharves and Roads ... ..	43,680	0	0
Total Rs. ... ..	96,691	4	0

### GENERAL REMARKS.

The surface of many roads in the City has considerably deteriorated owing to continuous heavy rains. The situation has further been aggravated by military traffic on a large scale consisting of heavy tanks, motor lorries, etc., with the result that an unusual strain was put on the roads in the City. The roads treated with sheet asphalt have suffered most as the supply of asphalt was stopped owing to Government restrictions and consequently no attention could be paid to them during the year. A considerable area of road surface treated with sheet asphalt is already due for renewal as it has outlived its estimated life but for want of materials no renewal was possible. The activities of the Road Department had, therefore, to be restricted to only very urgent works after getting the necessary licences from Government for the supply of controlled materials.

### A. R. P. WORKS.

The works in connection with A.R.P. measures which were entrusted to the Municipality by Government in the preceding year were continued during the year under report. The question of the allocation of cost of such works between Government and the Municipality which was under the consideration of Government

was decided by them (*Vide* their Resolution, Home Department, No. 256D, dated the 6th August 1942). the works in connection with A.R.P. carried out by the Works Branch were briefly as follows :—

**Supply and distribution of sand-bags.**—The distribution of sand-bags to house-owners as a fire fighting equipment which was taken in hand at the close of the preceding year was completed. The expenditure incurred on the work amounted to Rs. 43,100-5-10 which was wholly paid by Government.

**Provision of aids to movement of traffic in darkened streets.**

Owing to the restrictions imposed on street lighting, it was considered necessary to devise some means by which the roads could be made visible to traffic during night time and it was decided in consultation with the Commissioner of Police that kerb lines of all the streets and roadside trees should be painted or white-washed and a central line should be painted on all important streets to divide the traffic. The cost of this work also was entirely borne by Government. The lines require periodical renewal at intervals of about two to three months. The total length of lines painted and white-washed during the year, including the renewal, worked out to 220 miles and the expenditure incurred thereon amounted to Rs. 2,50,401-13-4.

Some miscellaneous works such as construction of blast and splinter proof specimen walls, protection of Wardens' and First Aid Posts, distribution of A.R.P. hints to house-owners and hanging streamers for educating public in A.R.P. measures and stacking of timber for providing overhead protection to private buildings were entrusted to the Works Branch and the cost incurred thereon amounted to Rs. 16,043-4-4 which was wholly paid by Government.

**Housing of essential services staff.**

In order that the staff employed on the maintenance of essential services such as road branch and drainage branch including pumping stations should be ready for work immediately on call in an emergency it was considered necessary to provide free accommodation for them in suitable buildings in different wards of the City. For this purpose a large number of buildings belonging to private persons was requisitioned through the Collector of Bombay and accommodation for about 2,000 persons was provided therein and they were grouped into 16 A.R.P. Camps. Arrangements were also made to provide telephones in each of these buildings so as to get in touch with the staff at any time of the day and night during an emergency. The rent paid for these buildings amounted to Rs. 24,575 per month, which is shared equally between Government and the Municipality. Arrangements were also made to keep in stock sufficient number of utensils for cooking food in each labour centre so that in case of an emergency, steps could be taken to distribute cooked food to workers on the site of work.

**STATEMENT "A"**

*Statement showing road, footpath, drainage and sewer works executed by contract during the year 1942-43.*

No.	Name of Work.	Name of Contractor and Standing Committee Resolution No.	Contract Amount.	Actual expenditure including Establishment charges during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
			Rs.	Rs.	Rs.	
1	Providing 2" clevecrete on 6" thick 1:3:6 cement concrete foundation on Colaba Road (East side) between Arthur Bunder Road and Kittridge Road and a portion of west side between Namdar Manzil and 3rd Pasta Lane.	Messrs. Ardeshir Namdar Irani & Co. S. C. R. No. 1568 of 4-1-1941.	26,000	4,064	27,153	Work completed Accounts adjusted.
2	Providing all concrete (1:2:4) carriageway including shifting the existing water entrances to the proposed kerb lines and providing an additional water entrance and two ventilating shafts at Jail Road (East) between Babula Tank Road and Sandhurst Road.	Messrs. Tejoo Kaya & Co., S. C. R. No. 1900 of 26-2-1941.	44,871	5,577	43,669	Do. do.
3	Providing all concrete (1:2:4) carriageway, shifting water entrances, extending 6" House connections and providing additional street connections at Portuguese Church Street between Gokhale Road and Kashinath Dhuru Street.	Messrs. Nagji Narsi & Bros. S.C.R. No. 1899 of 26-2-1941.	26,545	2,639	24,529	Do. do.
4	Providing 6" c. c. foundation slabs for widening the south approach of Bandra Causeway.	Messrs. Tejoo Kaya & Co., S. C. R. No. 526 of 2-8-1939.	19,385	13,689	17,897	Do. do.
5	Paving with blue stone slabs the footpaths at Lady Jamshedji Road from opposite Ganesh Peth Lane to beyond 'Y' Road, North, and at Thana Street from Frere Road to Clive Road.	Mr. Nenshi Monji, S. C. R. No. 1624 of 15-1-1941.	40,708	3,095	42,860	Do. do.
6	Construction of an open storm water channel from Haines Road to Love Grove.	Messrs. Rasulji Rajbhoy & Co., S. C. R. No. 1280 of 21-12-1938 and S. C. R. No. 657 of 30-8-1939.	1,47,727	1,933	1,58,280	Do. do.
7	Construction of a double barrelled s. w. drain of cement concrete with accessories to replace the open channel between Haines Road and Fergusson Road including filling in of the open channel.	Messrs. Rasulji Rajbhoy & Co., S. C. R. No. 1279 of 21-12-1938 and S. C. R. No. 1983 of 29-3-1940.	2,86,866	6,506	2,67,876	Do. do.
8	Construction of a 42" pipe sewer in Arthur Road between DeLisle Road and Jacob Circle.	Mr. K. G. Kermani, S. C. R. No. 1384 of 22-12-1941.	1,35,421	35,389	35,428	Incomplete.
		Total Rs. ...		72,892	6,17,692	

## STATEMENT "B"

Statement showing road, drainage and other works carried out departmentally during 1942-43.

No.	Name of Work.	Actual expenditure including Establishment charges during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
1	Construction of a pucca retaining wall at the toe of Walkeshwar Road to support the Embankment. <i>Mahalaxmi Overbridge Scheme.</i>	Rs. 11,741	Rs. 46,155	Incomplete.
2	Providing 6" Pipe sewer on the west of Mahalaxmi Overbridge near Race Course.	1,325	6,056	Do.
3	Constructing a road and culvert over the drainage channel to the west of Globe Mill Passage. <i>Hornby Road to Ballard Pier Road Scheme.</i>	3,538	12,004	Do.
4	(1) Providing cement concrete surface and kerbing on Gunbow Street from Cowasji Patel Street to Bazargate Street including adding set-backs in front of Plots Nos. 43, 44, 48, 54, 58, 59 and 60.	6,101	28,656	Complete.
	(2) Concreting 20' passage to the west of Plot No. 59	1,952	1,952	Do.
	(3) Shifting Storm water entrance at the junction of 20' passage to the west of Plot No. 59 and Gunbow Street and providing a chamber on the existing 9" pipe sewer for giving house connection. <i>Mahim Park.</i>	224	224	Incomplete.
5	Concreting one-third width of the carriageway of 60' Road with cement concrete 1: 2: 4, 6" thick, marked S-T-U in Mahim Park.	521	6,970	Do
6	Concreting half width of the carriageway of 80' Road with cement concrete 1: 2: 4, 6" thick, marked I-C-O in Mahim Park.	21	4,970	Do.
7	Cement concreting half of 40' Road round Shivaji Park marked D-C in Mahim Park.	1,049	6,698	Do.
8	Construction of 40' Road on the west of Plot Nos. 194 and 197 with sewerage arrangements, pavement of footpaths and lighting in Mahim Park.	4,225	6,548	Do.
9	Providing 6" thick, 1: 2: 4 cement concrete slabs in the carriageway of Road marked 'E2-E3 and U P' respectively in Mahim Park. <i>Mahim Development Scheme.</i>	2,036	2,036	Complete.
10	Construction of 40' Road (half width) opposite Plots Nos. 10 and 11. N.S. No. 105 including footpath, s. w. drain and lighting in Mahim Development Scheme No. I.	3,977	6,655	Incomplete.
11	Concreting 50' Road off Savani Road with Sewerage and Storm Water Drainage arrangements, pavement of footpath and lighting in Mahim Development Scheme No. II.	5,027	5,027	Do.
12	Construction of the proposed 40' Road off D. L. Vaidya Road, Mahim, including laying storm water drain, sewer and lighting in Mahim Development Scheme No. III.	1,327	1,327	Do.
13	Construction of 40' Road east of Plots Nos. 44, 45, 48, 49 and 53 off Lady Jamshedji Road including footpath drain s. w. pipe sewer and lighting in Mahim Development Scheme No. IV.	1,589	13,006	Do.
14	Concreting the remaining half width of 50' Road off Lady Jamshedji Road in front of Plot Nos. 4, 5 and 6, N.S.No. 80-81 in Mahim Development Scheme No. IV.	1,638	1,638	Complete.
15	Concreting 50' Road off Lady Jamshedji Road opp. ' Casa Bianca' including storm water drain in Mahim Development Scheme No. IV.	678	678	Incomplete.
16	Construction of 50' Road including storm water drain, footpath and lighting on the south of Paradise Talkies in Mahim Development Scheme No. IV.	2,245	2,245	Do.
17	Concreting 15' width of carriageway in Woollen Mill Lane in Mahim Development Scheme No. VII.	2,072	2,593	Do.
18	Construction of 50' Road on the north of Plots Nos. 11, 12, 13 and 23, N.S. No. 1402 with sewerage and s.w. drainage arrangements, pavement of footpath and lighting in Mahim Development Scheme No. VII. <i>Works in connection with removal of the surcharged condition of the sewers in the City.</i>	3,131	3,131	Do.
19	(1) Construction of a sump well, pumping station, etc., at Jacob Circle.	25,858	80,297	} Incomplete.
	(2) Laying a 36" C. I. rising main from Jacob Circle to Haines Road sewer.	18,975	74,863	
	(3) Making connections from the existing sewer and s. w. drain to the sump well.	1,113	11,942	
	carried over	1,00,363	3,25,671	

## STATEMENT "B"

Statement showing road, drainage and other works carried out departmentally during 1942-43—Contd.

No.	Name of Work.	Actual expenditure including Establishment charges during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
		Rs.	Rs.	
	Brought forward ...	1,00,363	3,25,671	
20	Extensotr of Ranade Road from Lady Jamshedji Road to Gokhale Road.	27,738	47,073	Incomplete.
21	Providing compound walls, water connections and a mourners' Shed in the Burial Ground at Sion.			
22	(1) Providing burning pyres.	372	372	Complete.
	Construction of water gullies on various roads in the City—			
	(1) Renewing two water entrances at Temkar Street ...	418	418	Do.
23	Renewing or remodelling the old subsidiary s.w. drains in the City—			
	(1) Laying s.w. drain in Hope Street ...	1,473	12,759	Complete.
	(2) Laying s.w. drain in Durgadevi Street ...	8,045	22,249	Incomplete.
24	Providing Traffic Amenities such as Traffic Islands—			
	(1) Providing Traffic Island at the junction of Worli Road and Road No. 10 near the Petrol Pump including lighting ...	557	2,364	Complete. (accounts are being adjusted).
	(2) Providing Traffic Island at the junction of Mahomedali Road and Carnac Road including lighting ...	743	1,416	Complete.
	(3) Providing Traffic Island at the junction of Bhawani Shankar Road and Gokhale Road, including lighting ...	270	3,806	Complete. (accounts are being adjusted).
	(4) Channelling Island at Nana's Chowk including lighting ...	134	619	Complete.
	(5) Providing Traffic Island at the Junction of Ridge Road and Walkeshwar Road including Lighting.	188	188	Do.
	(6) Providing Traffic Island at the Junction of Mayo Road and Cooperage Road including lighting.	896	896	Incomplete.
	(7) Providing Traffic Island at the Junction of Queen's Road Band Stand and 120' Road including lighting.	432	432	Do.
25	Construction of a 40' Road in the Palton Road Scheme including footpath, sewer, S.W. drain and lighting ...	4,571	21,219	Do.
26	Filling in certain low lying lands in the City ...			
	(1) Filling in low lying land at the Purification Works, Dadar ...	3,016	3,016	Do.
27	Providing underground S.W. drains in lieu of the existing open side drains in the City—			
	(1) Construction of 12" Hume pipe drain in D'Lima Street ...	2,065	18,005	Do.
	(2) Do. 12" Do. at Matarpakhadi ...	13,220	13,220	Complete. (accounts are being adjusted)
28	Replacing the existing 2'-6" x 3'-9" ovoid sewer by a 9" Pipe sewer along Khetwadi Back Road between Charni Road and Khetwadi 10th Lane ...	5,185	14,866	Complete.
29	Realigning, regrading and covering of 750' of open channel drain from Dadar to Century Mills ...	290	44,227	Do.
30	Realigning and regrading Open Storm Water Channel from the Dadar Pumping Plant upto the Century Mills. ...	9,921	9,921	Incomplete.
	<i>Renewing the old air and Sealed sewage mains in the City—</i>			
31	Renewing the 12" Sealed sewage main at Warden Road ...	554	554	Do.
32	Construction of 40' Road between Sayani Road and Khed Gully including paving footpath, providing water entrances, manholes over s.w. drain and lighting. ...	676	676	Do.
	<i>Construction of footpaths where no footpaths exist.</i>			
33	Providing with blue stone pavement the footpath at Jail Road, East, including shifting water gullies.	1,496	1,496	Do.
34	Asphalting South Approach of Bandra Causeway ...	25,235	25,337	Complete.
	Total ...	2,07,858	5,70,800	

## STATEMENT "C"

Statement showing footpath works carried out departmentally during 1942-43.

Serial No.	Name of work.	Mode of construction.	Actual expenditure including Establishment charges during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
1	Queen's Road (East) between Churchgate Street and 1st Marine Street. ...	Precast cement concrete slabs.	Rs. 337	Rs. 17,759	Complete.
2	Arthur Road opposite St. Ignatius Church.	Cement concrete pavement in situ.	3,236	7,030	Do.
3	<i>Hornby Road to Ballard Pier Scheme.</i>				
	(a) Opposite Plot Nos. 55 and 56 ...	Paving with blue stone slabs.	1,749	1,749	Do. (Accounts to be adjusted).
	(b) Mint Road Junction Phero Zeshah Mehta Road opposite Plot Nos. 27-28.	Do. do.	1,403	1,403	Complete.
	(c) Mint Road opp. Plot Nos. 63-64, near Fort Market.	Do. do.	410	410	Do. (Accounts to be adjusted).
	(d) Opp. Plot Nos. 62, 59, 54, 61 and 60 at Phero Zeshah Mehta Road.	Do. do.	5,142	5,142	Do.
	(e) Opp. Plot No. 1A, Pitha Street ...	Do. do.	287	287	Do.
4	Musjid Bunder Road at the Junction of Jackeria Street and between Kazi Sved Street and Narsi Natha Road.	Blue Stone pavement on C.C. bed 1 : 4 : 8.	3,459	3,459	Do.
5	Sukhalaji Street in front of School Building and 5th and 7th Kamathipura Streets.	2" Precast Pavement on 3" C.C. bed 1 : 4 : 8.	3,398	3,398	Incomplete.
6	Colaba Road North of Kittridge Road east side and west side.	Do. do.	3,083	3,083	Do.
7	Queen's Road, west side from Churchgate to Marine Lines.	Concrete in situ.	4,447	4,447	Do.
	Total ...		26,951	48,167	

## STATEMENT "D"

Statement showing the works carried out departmentally in different Ex-Trust Schemes during 1942-43.

Serial No.	Description of the work.	Sanctioned amount.	Expenditure during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
	<b>Schedule 'W.' Land.</b>	Rs.	Rs.	Rs.	
1	Construction of the proposed road behind plots Nos. 1A and K including drainage and lighting arrangements ...	44,594	8,950	27,392	The work is in progress.
	<b>Scheme No. 5. Dadar-Matunga Estate.</b>				
2	Widening of Katrak Road from Tilak Road Southwards ...	6,389	64	6,371	Complete.
3	Construction of Road in front of plot No. 143 ...	13,774	18	63	The work is in progress.
4	Construction of recreation ground on plot No. 398 ...	8,661	1,965	4,901	Do.
5	Laying out the playground to the east of plots Nos. 616 to 620.	6,971	3,537	3,537	Do.
6	Construction of the portion of carriage way of Matunga Road opposite Vithoba Temple including drainage and lighting arrangements and shifting of the existing fountain ...	5,437	483	2,108	Do.
	<b>Scheme No. 6. Sion-Matunga Estate.</b>				
7	Construction of Road No. 20 with drainage and lighting arrangements ...	24,065	8,494	21,079	Complete. Accounts are being adjusted.
8	Construction of Road No. 22 with drainage and lighting arrangements ...	34,607	6,348	18,983	Incomplete.
9	Construction of 50' Road No. 8 on the south of plots Nos. 107 and 108 including drainage and lighting arrangements ...	18,920	9,411	17,765	Complete. Accounts are being adjusted.
10	Construction of Road No. 15 between Roads Nos. 30 and 29 including drainage and lighting arrangements ...	9,605	6,817	6,817	Do. do.
	Carried over ...		46,087	1,09,016	

## STATEMENT "D"

Statement showing the works carried out departmentally in different Ex-Trust Schemes during 1942-43—Contd.

No.	Name of Work.	Sanctioned Amount.	Expenditure during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
		Rs.	Rs.	Rs.	
	Brought forward ...	...	46,087	1,09,016	
11	Construction of 20' passage to the rear of plots Nos. 103 to 110 including drainage arrangements ...	37,511	6,377	30,505	Incomplete.
12	Construction of Road No. 16 between Roads Nos. 30 and 26B Kingsway including lighting and drainage arrangements ...	15,787	5,786	8,120	The work is in progress.
13	Construction of Road No. 24C including lighting and drainage arrangements ...	13,208	171	2,575	Do.
14	Construction of Road No. 25 between Roads Nos. 6 and 19 including drainage and lighting arrangements ...	24,724	17,387	17,387	Do.
15	Construction of Road No. 32 between Roads 16 and 20 including drainage and lighting arrangements ...	18,052	647	9,698	Do.
16	Laying out kerbstones including drainage and lighting arrangements for Road No. 30 ...	3,335	1,446	1,446	Do.
17	Laying 9" pipe sewer in Road No. 26B to drain plots Nos. 158 to 162 ...	5,330	1,830	4,975	Complete.
18	Laying 9" pipe sewer in Road No. 25C and diverting the existing sewer passing through plots Nos. 49-66-72-87 and 103 ...	22,291	7,305	20,715	Complete. Accounts are being adjusted.
19	Providing 9" pipe sewer in Flank Road west to drain plot No. 289 ...	2,540	106	2,232	Complete.
20	Providing 9" pipe sewer in Sion Road north of the circle to drain plots Nos. 90 to 93 and 88 to 89 ...	10,592	3,321	9,927	Complete. Accounts are being adjusted.
21	Construction of 40' Road No. 27 between Roads Nos. 4 and 8 including drainage and lighting arrangements ...	21,139	12,101	13,971	Incomplete.
22	Construction of Road No. 31 including drainage and lighting arrangements ...	15,714	3,496	3,496	The work is in progress.
23	Diverting the existing s.w. Drain passing through plots Nos. 49-66-72-87 and 103 ...	17,700	15,271	15,271	Complete. Accounts are being adjusted.
24	Construction of 40' low level Road to the south of the proposed Railway Over-bridge approach ...	16,305	5,582	12,631	Incomplete.
25	Providing lighting arrangement in Road No. 5 ...	416	416	416	Complete.
26	Construction of Road No. 24B including drainage and lighting arrangements ...	8,889	1,360	1,360	Incomplete.
27	Construction of Road No. 25C including drainage and lighting arrangements ...	12,700	11,896	11,896	Complete. Accounts are being adjusted.
28	Construction of Road No. 25B including drainage and lighting arrangements ...	8,246	240	240	The work is in progress.
29	Remodelling the alignment of Road and footpaths round the circle at Kingsway near plots Nos. 94, 89 and 89B ...	3,629	627	627	Do.
30	Laying into suitable building plots certain area in Scheme No. 6 (1) Filling in the low-lying land and (2) Providing a retaining wall to the west of plot No. 107 (East) ...	14,264	739	739	The work is abandoned as the site has been acquired by the R. A. F.
31	Cutting and levelling the area to the east of Sion Fort for the proposed cremation ground and plot for industry and levelling and filling in the site of the play ground in front of R. C. Cemetery ...	15,690	2,064	2,064	The work is in progress.
32	Expenses on account of sale of quarry materials ...	1,810	1,804	1,804	Complete. Accounts are being adjusted.
33	Laying out the play ground to the south of plot No. 215 east ...	4,899	375	375	The work is in progress.
	<b>Scheme No. 31. Parel.</b>				
34	Laying out the playground to the east of plots Nos. 128 to 133 ...	34,500	393	31,632	The work is in progress.
35	Laying out the playground to the east of plots Nos. 103-104 ...	3,900	261	1,979	Do.
	<b>Scheme No. 32. Agripada Estate.</b>				
36	Laying out the recreation ground between Cirrus Avenue, Souter Street and Motlibai Street ...	15,000	461	461	Do.
37	Construction of a passage between DeLisle Road and Pais Street opposite Byculla Station ...	7,692	6,818	6,818	Do.
	Carried over ...		1,54,367	3,22,376	

## STATEMENT "D"

Statement showing the works carried out departmentally in different Ex-Trust Schemes during 1942-43. Contd.

Serial No.	Description of the work.	Sanctioned Amount.	Expenditure during 1942-43.	Total expenditure upto 31st March 1943	REMARKS.
	Brought forward ...		1,54,367	3,22,376	
	<b>Scheme No. 47. Parel Road.</b>				
38	Laying out recreation ground between Arthur Road and 120' Easter Avenue opposite Dinshaw Petit Mills ...	10,322	438	5,327	Do.
39	Construction of the proposed 20' passage in Case No. 124 ...	3,797	...	...	Complete. Accounts are being adjusted.
	<b>Scheme No. 52. Worli.</b>				
40	Providing a closed drain and filling in the existing open one between Worli Road and Cleaveland Bunder Sluice Gates ...	3,520	433	33	The work is in progress. The cost is to be equally divided between A and B Budgets.
41	Construction of 60' Road parallel to the Worli Sea Face Road Extension for a length of 475' including drainage and lighting arrangements ...	7,692	157	3,787	The work is in progress.
42	Laying out the garden between plots Nos. 61 and 62 ...	28,316	1,134	27,422	Complete.
43	Providing cement concrete passages in the recreation ground (1) Adjoining plots Nos. 81 and 19 and (2) between plots Nos. 15 and 17 ...	5,634	4,771	4,771	The work is in progress.
	<b>Scheme No. 56. Dharavi.</b>				
44	Construction of 60' Road in continuation of the portion already constructed near the New Labour Camp upto Dharavi Road with underground Works and lighting. ...	2,937	1,651	1,651	Incomplete.
	<b>Scheme No. 57. Sewri-Wadala.</b>				
45	Construction of a sump well at Wadala and providing pumping machinery, pump house etc. with 12" rising main and laying gravitation sewer in Lady Jehangir Road ...	73,750	2,456	72,727	Complete.
46	Construction of Road No. 15 from the junction of Road No. 4 to Road No. 18 and from the junction of Kingsway to the junction of Road No. 4 including drainage and lighting arrangements ...	29,122	456	456	The work is in progress.
47	Construction of Roads Nos. 1, 1A and 10 between the existing Matunga Road, the proposed Road No. 14A and the junction of Roads Nos. 10, 14A and 15 including drainage and lighting arrangements ...	12,187	645	645	Do.
48	Construction of Road No. 14A including drainage and lighting arrangements ...	12,765	1,094	1,094	Do.
49	Construction of the junction of Matunga Road and Roads Nos. 10, 14A and 15 including drainage and lighting arrangements ...	6,845	2,477	2,477	Do.
50	Providing sewerage arrangement for plots Nos. 66-69 ...	4,605	...	4,248	Complete Accounts are being adjusted.
51	Providing storm water drainage arrangement for the area near about the European Burial Ground at Sewri ...	5,039	2,300	2,300	Incomplete.
52	Construction of Road No. 7 to the south of the Khalsa College including drainage and lighting arrangements ...	48,265	19,273	31,076	The work is in progress.
53	Construction of Road No. 16 including drainage and lighting arrangements ...	10,852	2,272	2,272	Do.
54	Construction of Road No. 9A including drainage and lighting arrangements ...	18,896	8,819	8,819	Do.
	<b>Scheme No. 58. Worli Extension.</b>				
55	Cutting a portion of Worli Hill and construction of sea wall ...	1,25,742	7,256	7,256	Do.
	<b>Scheme No. 60. Naigaum.</b>				
56	Construction of a children's playground between roads Nos. 12A and 12B ...	3,457	574	3,153	Complete.
57	Construction of 20' passage to the east of plots Nos. 116 and 127 ...	3,541	1,490	3,262	Do.
	<b>Scheme No. 72. Tripartite Road.</b>				
58	Construction of Road including drainage and lighting ...	71,535	32,115	32,115	The work is in progress.
	Grand Total ...	...	2,44,178	5,37,667	

## STATEMENT "E"

Statement showing the works carried out by contract during 1942-43 in different Ex-Trust Schemes (Budget B.)

Serial No.	Name of Work.	Name of contractors and Standing Committee Resolution No.	Contract Amount. (Tendered amount.)	Actual expenditure including Establishment charges during 1942-43.	Total expenditure upto 31st March 1943.	REMARKS.
			Rs.	Rs.	Rs.	
1	Construction of sewer in Roads Nos. 19 and 22 in Scheme No. 6, Sion-Matunga.	Messrs. Universal Construction Co., S. C. R. No. 1710 of 14-2-1940.	38,299	9,408	30,286	Complete.
2	Construction of the eastern carriage way of Kingsway commencing from the southern boundary of Scheme 6 including portion below the bridge on Harbour Branch Railway upto the junction with southern end of Road No. 30 including sewer and storm water drain.	Mr. S. M. Shah, S. C. R. No. 1894 of 26-2-1941.	38,811	5,955	13,671	The Contract has been terminated. Accounts are being adjusted.
3	Construction of a sewer in Road No. 25 in Scheme No. 6, Sion-Matunga estate.	Messrs. Nagji Narsi & Bros., S. C. R. No. 325 of 18-6-1941.	23,034	2,896	8,030	Work is held up on account of scarcity of pipes and cement.
4	Constructing a sewer in Road No. 30, in Scheme No. 6, Sion-Matunga estate.	Messrs. The Universal Construction Co., S. C. R. No. 359 of 25-6-1941.	24,629	10,883	15,339	Complete.
5	Constructing a 9" pipe sewer in Road No. 31A in Scheme No. 6, Sion-Matunga estate.	Messrs. The Universal Construction Co., S. C. R. No. 358 of 25-6-1941.	18,424	6,967	13,110	Do.
6	Cutting and levelling the area to the east of Sion Fort for the proposed cremation ground and plot for industry and levelling and filling in the site of the playground in front of R. C. Cemetery in Scheme No. 6, Sion-Matunga Estate.	Messrs. Jitram Prabhudayal & Co., S. C. R. No. 1280 of 27-11-1940.	1,82,536	101	39,659	Contract is terminated. Accounts are being adjusted.
7	Providing a closed drain and filling in the existing open one between Worli Road and Cleaveland Bunder Sluice Gates in Scheme No. 52, Worli.	Messrs. Gulamali Shankerlal & Co., S. C. R. No. 1471 of 12-12-1940.	4,49,265	119	23,841	Do.
8	Laying out the junction of Matunga Road and Roads Nos. 10, 14A and 15 and laying of sewers and storm water drains in Roads Nos. 1, 1A, s. w. drains in Roads Nos. 10 and 14A in Scheme No. 57, Sewri-Wadala.	Messrs. The Universal Construction Co., S. C. R. No. 1017, of 15-11-1939.	78,409	5,324	52,105	Complete.
9	Laying sewer in Road No. 14A and constructing that Road and Roads Nos. 1, 1A and 10 in Scheme No. 57 Sewri Wadala.	Messrs. Universal Construction Co., S. C. R. No. 1672 of 22-1-1941.	73,209	7,508	7,508	The Contract has been terminated. Accounts are being adjusted.
10	Providing storm water drainage arrangements for the area near about the European burial ground at Sewri in Scheme No. 57, Sewri-Wadala.	Messrs. Nagji Narsi & Bros., S. C. R. No. 324 of 18-6-1941.	29,192	8,331	21,198	The work is complete Accounts are being adjusted.
11	Construction of a sewer in Road No 26 in Scheme No. 57, Sewri Wadala.	Messrs. Universal Construction Co., S. C. R. No. 1388, 22-12-1941.	35,861	14,996	15,039	The work is held up on account of scarcity of pipes and cement.
12	Cutting of the western slope of Worli Hill and the site for the proposed 50' Road parallel to the Sea Face Road in Scheme No. 58, Worli Extension.	Messrs. M. Gulamali & Co., S. C. R. No. 1242 of 14-12-1938.	2,63,037	3,235	75,455	The Contract is terminated.
13	Cutting a portion of Worli Hill and construction of sea wall in Scheme No. 58, Worli Extension.	Messrs. Rasulji Rajbhoy & Co., S. C. R. No. 1496 of 18-12-1940.	2,11,395	27,466	65,849	Do.
		Total Rs. ...		1,03,189	3,81,090	



**Road Repairs and Maintenance.**  
**STATEMENT "F"**

Kind of Road.	MILEAGE AT THE		TOTAL AREA AT THE		Area repaired during 1942-43.	Expenditure for 1942-43.	Average Rate per 100 sq. ft. for 1942-43.	REMARKS.
	beginning of the year.	End of the year.	beginning of the year.	End of the year.				
	Miles.	Miles.	sq. yds.	sq. yds.	sq. yds.	Rs.	Rs.	
(1) Water-bound Roads ...	5.91	5.91	1,00,553	1,00,553	22,493	14,870.88	7.35	
(2) Bituminous Roads ...	172.69	171.72	31,95,181	31,96,382	79,819	1,46,752.58	20.43	
(3) Sheet Asphalt Roads ...	51.67	51.91	11,91,946	11,93,538	1,174	8,109.75	76.75 or 6.90*	* Per sq. yd.
(4) Concrete Roads ...	21.50	22.61	3,23,793	4,07,226	888	4,602.00	57.58	
(5) Sett-paved Roads ...	9.57	9.57	1,58,625	1,58,625	6,336	8,850.43	15.52*	* Major area was surface-dressed only.
(6) Kutchra Footpaths ...	36.07	34.17	6,20,903	6,07,940	22,824	17,723.93	8.63	
(7) Road watering ...	12.20	11.55	1,11,545	1,08,418	28,245	9,280.48	0.80	

**K. D. RAILWAY.**

**Removal of Town Refuse to Deonar.**

The bulk of the Town refuse was as usual transported to Deonar in railway wagons. Two trains each consisting of an average of 29 wagons were despatched to Deonar every day. The total number of wagons despatched to Deonar during the year was 20,652 as against 21,312 during the preceding year. The cost of removal amounted to Rs. 2,99,878 against Rs. 2,76,330 during the last year. This gives a rate of Rs. 1-3-4, per ton, against Rs. 1-1-3, per ton, of last year.

**Rolling Stock and permanent way.**

The total strength of the rolling stock of Municipal wagons was 181 as detailed below :—

147	Kutchra wagons old and new.
19	Silt wagons.
9	Carcass wagons.
6	Brakes.
181	

**Repairs and Maintenance of wagons.**

The total cost of repairs and maintenance of Wagons and Sidings amounted to Rs. 63,225 against Rs. 38,243-3-0 during the previous year. The increase in cost is due to the Railway Administration having increased the supervision charges from 1st January 1942.

**Reclamation work.**

An additional area of 6 acres was reclaimed by depositing refuse.

**Income.**

The total income realised from various sources such as cultivation of land, right of fishing, right of skinning, and temporary letting of portion of land amounted to Rs. 32,133 against Rs. 33,336 in the preceding year.

**Labour staff.**

The work of unloading wagons was carried out by departmental labour housed at Deonar. The total cost of labour amounted to Rs. 80,084.

Amenities provided in the labour camp for the benefit of the staff such as free medical aid and free primary education, were continued to be maintained. A grain shop for supplying food grains at controlled prices and other house hold articles was also opened for the benefit of the workers.

**Accident, Fire and Derailment.**

No cases of major fires, accident or derailment of railway wagons occurred during the year on the reclamation.

A small fire however was noticed on one occasion, on reclamation and consequently the dumping operations had to be shifted to another place.

**GENERAL.**

A scheme for laying a pipe-line from the Dadar Sewage Purification Works to Deonar for conveying either effluent or sewage or sewage sludge which has been submitted to the Corporation is still under the consideration of the Works Committee.

The incinerator at Love Grove for the destruction of refuse locally with a view to reducing the number of refuse wagons dispatched to Deonar continued to work satisfactorily and the quantity burnt during the year amounted to 6,192 tons.

N. V. MODAK,  
City Engineer.

# ESTATES AND LAND MANAGEMENT.

Subject: Administration Report for the year 1942-43.

## NEW SCHEMES.

### Progress of New Improvement or Street Schemes taken up after the Amalgamation of the Trust with the Municipality.

#### Scheme 72, Tripartite Road Improvement Scheme

Possession of all the properties has now been taken by the Municipality. The construction of the proposed Tripartite Road is in progress. In this scheme the claimant in Case No. L.A.Q./33-1 being dissatisfied with the Land Acquisition Officer's award has filed a reference in the High Court under Section 18 of the Land Acquisition Act. The reference will come up for hearing shortly.

#### Scheme 73, Paltan Road Estate Improvement Scheme for Accommodating poorer and working Classes.

The construction of the third and the last block which is the only work now remaining will be taken in hand after the return of normal times.

#### Scheme 74, Sion, Over-Bridge, Improvement Scheme.

Out of the 3 properties in the Scheme, 2 properties have been acquired. Inquiries for determining the compensation for the remaining property are still proceeding before the Land Acquisition Officer.

#### Slum Service and Clearance.

During the year under report the following works in connection with the service of the slum areas in the City were in progress.

(1) Covering about 55' in length of open drain and providing a bridge over the channel near the Dadar Purification Works.

(2) The work of closing the open storm water channel from Worli Road to Sluices.

The contract for this work has been terminated and the work held in abeyance for want of materials due to war conditions.

The following schemes for the improvement of the congested areas were prepared and approved by the Corporation:—

(1) Development of the area covered by Mangalwadi, Kelewadi and Gaiwadi. (Vide Corporation Resolution No. 227 of 22-6-1942.)

(2) Improvement of Lohar Chawl Lane off Vanzawadi at Mahim. (Vide Corporation Resolution No. 1032 of 11-2-1943.)

In addition to the above schemes an interim report regarding the proposal to clear the slums in the City within a period of 10 years was prepared, mentioning therein the localities requiring immediate attention and suggesting different kinds of works for the improvement of the areas comprised therein together with their mode of construction. Owing to unsteady economic conditions in the City due to the war, however, the proposal was recorded by the Corporation Vide their Resolution No. 509, dated the 8th September 1942.

A draft proposal for the amendment of the Municipal Act with a view to facilitating the removal of the slums in the City has also been framed and forwarded to the Corporation through the Law, Revenue and General Purposes Committee.

#### Acquisition of Lands.

(Land Acquisition Officer's cases in respect of old Schemes notified prior to Amalgamation).

Out of the 4 old cases, mentioned below 3 cases having an area of 4,649 square yards still remain to be acquired.

(1) Revised terms of settlement of cases Nos. 538, 538-A, Scheme 5, (Vithoba Temple at Matunga) having now been sanctioned by the Improvements Committee in modification of their Resolution No. 728, dated the 28th March 1939, the Municipal Solicitors have been instructed to revise the draft agreement.

(2) Amicable settlement of another temple property bearing Case No. 374, Scheme 5, having been sanctioned by the Improvements Committee Municipal Legal Assistant has been entrusted with the preparation of the draft agreement. On completion thereof, the Land Acquisition Officer will be requested to open his inquiry in this case.

(3) Case No. 7-A, Scheme 58, is now complete, the award having been issued by the Land Acquisition Officer.

(4) Amicable settlement in respect of Case No. 232, Scheme 37, having been arrived at, the case is referred to the Land Acquisition Officer for award.

#### Changes in ex-Trust Estates.

There have been no changes in Schedule X, Y and Z lands.

The net changes effected in Schedule W Lands and in the Ex-Trust Estates are set out in the following statement:—

Change in	As at the beginning of 1942-43, Square Yards in thousands.	As at the end of 1942-43, Square Yards in thousands.
Area permanently leased ... ..	4,139	4,431
.. of Trust Chawls Sites ... ..	190	190
.. of Buildings resumed ... ..	3	3
.. Sold ... ..	9	9
.. reserved for a Municipal Market ... ..	2	2
.. yet to be permanently leased ... ..	905	651
Total ... ..	5,248	5,286
Rent of permanently leased area ... ..	Rs. 36.1 lakhs.	Rs. 37.8 lakhs.
Undeveloped Land.		
Area in thousands of square yards ... ..	6,122	6,086
Cost of acquisition ... ..	Rs. 221 lakhs.	Rs. 220 lakhs.

It will be seen that at the end of 1942-43 out of the total of 1,39,36,000 square yards (about 2,879 acres) vested in or acquired by the Trust, about 45 per cent. remained to be developed and of the developed area about 12 per cent. remained to be leased. The average value of the leased plots is Rs. 20 per square yard and that of plots which remain to be leased is estimated at Rs. 18 per square yard.

#### Progress of Development.

During the year under report, no regular development was proposed but revision of the lay-out of certain plots was sanctioned by the Corporation as mentioned below:—

#### Scheme 6, Sion-Matunga Estate.

1. The area of plots Nos. 228, 228-A, 231 to 236 (East) was reduced so as to provide a 15' passage in the area surrounded by Roads Nos. 30, 16, 32 and 32-A.

2. The area of plots Nos. 240 to 242, 249, 251, 252 (East) was reduced so as to allow the Road No. 32-A being widened from 40' to 50'.

3. The Corporation also sanctioned the revised lay-out of Sion Circle and the plots around it. Under the revised lay-out the compulsory open space of the plots facing the Circle is done away with and the buildings will abut on the footpath. This change has been effected as a result of the experience gained at Khodadad Circle where it is observed that the front compulsory open spaces are always encroached upon by hawkers and petty shopkeepers thereby rendering the place dirty and spoiling the aesthetic appearance of the locality and no effective action could be taken as the encroachments are in the area leased. As the buildings will abut directly on the footpath under the revised layout encroachments, if any, can be summararily removed under the provisions of the Municipal Act.

#### Mazagaon Estate.

The lay-out of plots Nos. 1 and 3 to 7 was revised thereby omitting the proposed 40' road and throwing the area into the plots.

#### Dishousing and Rehousing.

There were very few vacancies in the Chawls during the year under report.

Members of the menial staff who are entitled to receive house rent allowance continued to occupy rooms rent-free in lieu of house rent allowance. Their number was 481 on 31st March 1943. Railway Passes are being issued at Municipal Cost to the members of the menial staff, who, while occupying free quarters provided for them, are obliged to reside beyond one mile from their place of work.

During the year, 64 acquired buildings containing 296 tenements were demolished.

The new residential accommodation made available in the houses erected by the lessees of the Ex-Trust Estates during the year, excluding shops and other non-residential quarters amounted to 341 tenements.

It will be seen from the Appendix "D" that the total number of tenements provided up-to-date in all the Trust Estates including those erected by the Development Department and the several Mill Companies exceeds the total number of tenements demolished by 31,035 as shown below:—

(a) Tenements provided in Trust Chawls including 3-room and 2-room tenements and Cottages at Matunga ...	10,010
(b) Tenements provided in the Chawls erected by the Spring Mills, the Century Mills, the Kohinoor Mills and The David Mills and in the Chawls erected by the Development Directorate on the Ex-Trust Estates and the various Police Accommodation Schemes ...	18,555
(c) Tenements provided in the Semi-permanent rooms erected by the Ex-Trust ...	3,617
(d) Tenements provided in the Lessees' Buildings ...	37,207
	Total ...
Less.—Tenements demolished ...	69,389
	38,354
Excess of new tenements over demolished ones ...	31,035

### DISPOSAL OF LANDS.

#### Long Leases.

The number of plots let during the year was 214 having a total area of 2,95,269 square yards (61 acres) and valued at Rs. 46,76,885. Deducting 2 plots which were resumed during the year the total number of plots disposed of upto the end of 1942-43 is 3,484 with an area of 46,21,136 square yards (955 acres) and valued at Rs. 9,02,42,557 having an annual rent of Rs. 37,80,327. The rate at which the ground rents are capitalised in the various tables in this report is at 22½ years' purchase for plots let before the 23rd November 1920 and 18 years' purchase thereafter.

The progress in the disposal of Trust lands during the year is as follows:—

No.	Particulars.	No. of Plots.	Area in sq. yds.	Capital Value.	Annual Rent.
I	Plots leased (rent) ...	154	1,79,172	Rs. 31,93,121 15 0	Rs. 1,72,868
	Plots leased (premium paid) ...	60*	1,16,097	14,83,763 3 0	(A) 55
II	Land Sold ...	...	...	...	...
III	Total plots disposed of ...	214	2,95,269	46,76,885 2 0	1,72,923
IV	Plots disposed of in 1942-43 or earlier but surrendered to and re-entered by the Corporation ...	2	3,533	59,328 0 0	(B) 3,296
	Net Total ...	212	2,91,736	46,17,557 2 0	(C) 1,69,627
Corresponding figures for:—					
	1941-42 ...	115	1,40,395	15,01,193 11 0	56,385
	1940-41 ...	270	2,89,326	29,43,015 2 0	1,20,993
	1939-40 ...	117	1,29,338	8,79,177 3 0	6,795

\* Out of 60 plots, 8 plots were leased in 3 lots in a group at a nominal rent of Re. 1 per annum, in each case.

(A) Interest on the premia may be taken at 6 per cent. i.e., equal to about Rs. 89,024.

(B) As the plots resumed during the year were vacant, there are no net receipts from tenants occupying the buildings against his loss of ground rent.

(C) If the interest on the premia is taken into account the result will show a figure of Rs. 2,58,596 instead of Rs. 1,69,627.

The details of leasing in each estate are given below:—

Estate.	No. of Plots.	Area in sq. yds.	Capital Value.		Annual Rent.
			Rs.	a. p.	Rs.
Mahalaxmi Flats ...	3	28,378	2,35,484	7 0	4,498
Sandhurst Road East ...	1	819	42,048	0 0	2,336
Sion-Matunga ...	46	33,913	6,43,426	0 0	28,480
Nowrji Hill ...	11	7,962	3,55,982	0 0	17,169
Suparibaug ...	1	603	6,826	7 0	1
East Agripada South ...	2	1,026	18,597	2 0	2
Tulsirampada ...	3	1,897	82,440	0 0	4,580
Mazagaon ...	3	3,040	85,184	0 0	2,129
Worli ...	33	1,70,908	13,63,426	8 0	43,405
Sewri-Wadala North ...	96	81,430	14,23,615	5 0	62,372
Naigaum ...	14	11,863	2,64,855	5 0	7,950
Fergusson Road ...	1	16,430	1,55,000	0 0	1
Total ...	214	2,95,269	46,76,885	2 0	1,72,923

In point of number, area, Capital Value and rent, the result shows a considerable increase over the previous year. This is due to persons with surplus money preferring investment in land to other investment.

#### Short Leases.

There were 720 acquired buildings in charge of the Bombay Municipality (Improvements) at the commencement of the year. One building was surrendered by the lessee who had built it on our plot and one was transferred to Vacant Land Register. 64 buildings were demolished. Thus at the end of the year there were 656 buildings containing 5,752 tenements. The net change during the year is as under:—

Date.	No. of Buildings.	Tenements.	Gross rental in lakhs.	1-Room tenements.	2-Rooms tenements.	Larger tenements.	Shops.	Godowns.	Factories.
31-3-1942 ...	720	6,048	7.87	4,541	762	288	266	181	10
31-3-1943 ...	656	5,752	7.71	4,321	718	287	250	167	9

The rents realised from acquired buildings in 1942-43 aggregated to Rs. 6,61,696 and the total temporary revenue realised during the year was Rs. 9,60,490 which compares favourably with the corresponding figures of the previous two years as shown below:—

Particulars.	1940-41.	1941-42.	1942-43.
	Rs.	Rs.	Rs.
Rent from acquired or surrendered buildings ...	6,65,733	6,78,074	6,61,696
Rent from lands let for temporary structures ...	2,17,204	2,04,360	2,68,988
Rent from letting for storing materials (including sundry revenue) ...	3,115	6,175	2,053
Rent from cultivation rights, etc. ...	32,143	34,418	27,753
Total ...	9,18,195	9,23,027	9,60,490

The increase in the revenue is due to the large areas let to government for military purposes.

The full letting value of the 10,289 rooms including shops, godowns, looms, etc., in the Ex-Trust Chawls was Rs. 9,59,305 as on 31st March 1943 (*vide* Appendix "C" and foot note).

The gross demand of the Ex-Trust Chawls for the year was Rs. 9,60,245. The net demand for the year after excluding the amount of Rs. 28,615 for vacancies and Rs. 44,567 for concessionary rents was Rs. 8,87,063. The revenue actually collected came to Rs. 8,68,598 which is equivalent to 97.91 per cent. of the net demand for the year.

The gross demand for the year 1942-43 of the 2,836 rooms in the semi-permanent sheds including the permanent ground floor rooms and sheds known as Labour Camps was Rs. 1,61,615. The net demand for the year (excluding Rs. 3,823 for vacancies and Rs. 4,382 for concessionary rents) was Rs. 1,53,410. The amount actually collected came to Rs. 1,53,281 which is equivalent to 99.91 per cent. of the demand.

The monthly rent charged for rooms in the permanent Chawls built by the Ex-Trust ranges from Rs. 4-15-0 to Rs. 12 for one-room tenements, from Rs. 17 to Rs. 23 for two room tenements and from Rs. 30 to Rs. 35 for 3 room tenements.

The percentage of outgoings is shown below. On the basis of the maximum annual rental of Rs. 9,59,305 of full letting value of the Chawls on 31st March 1943, the total outgoings come to 58.44 per cent. out of which 2.09 per cent. is due to vacancies, which means that the actual outgoings are 56.35 per cent.

#### Statement showing percentage of outgoings in different items.

Particulars.	Permanent.		Permanent ground floor rooms and S. P. Sheds.*		Remarks.
	1941-42.	1942-43.	1941-42.	1942-43.	
Sanitary Staff ...	6.15	5.87	7.12	8.30	* Including Labour Camps.
Pumpmen ...	0.20	0.20	...	...	
Cost of Management and Establishment ...	7.50	7.50	7.50	7.50	
Municipal Rates and Taxes ...	15.24	15.28	15.11	15.68	
Repairs and Maintenance including Lighting Charges ...	29.67	27.50	16.13	17.11	
Vacancies ...	2.52	2.09	2.31	2.36	
Total ...	61.26	58.44	48.17	50.95	

The gross annual income from the Permanent Chawls came to Rs. 8,68,598 or 5.73 per cent. of the cost of Chawls viz., Rs. 151.53 lakhs including value of the land (*vide* Appendix "C"). Deducting the outgoings of Rs. 5,07,608 the net income came to Rs. 3,60,970. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. of the Capital expenditure prior to 1919-20 and at 6.35 per cent. per annum of the expenditure incurred subsequent thereto. This amounts to 8.88 lakhs per annum showing a loss of about 5.27 lakhs for the year and is equivalent to a loss of about 51.15 per room per annum.

The average population in the Chawls during 1942-43 was 38,322 against 32,829 and 33,259 in 1940-41 and 1941-42 respectively whilst the corresponding figures for semi-permanent sheds (excluding Labour Camps) were 5,816, 4,457 and 4,365, respectively.

The death rate in the Ex-Trust Chawls during the year was 5 per 1,000 against 8.1 and 8.1 in the year 1940-41 and 1941-42, respectively.

#### Collection of Revenue.

Details of the collection in respect of the Ex-Trust and Old Municipal properties can be seen from the following table:—

Particulars.	REVENUE.		Total.
	Permanent.	Temporary.	
Amount for collection—	Rs.	Rs.	Rs.
Demand for the year ... ..	31,95,064	20,86,947	52,82,011
Arrears ... ..	*5,42,978	5,19,094	10,62,072
Total ... ..	37,38,042	26,06,041	63,44,083
Amount collected ... ..	33,12,248	19,83,476	52,95,724
Amount written off ... ..	...	51,919	51,919
Arrears as on 1-4-1943 ... ..	4,25,794	5,70,647	9,96,441
Do. 1-4-1942 ... ..	5,44,098	5,19,094	10,63,192
Do. 1-4-1941 ... ..	5,58,102	4,65,110	10,23,534

#### Legal.

In the year under review, 788 ejection and claim suits were filed against the tenants who had run into arrears and the total cost incurred in respect of these suits came to Rs. 7,590-15-0 out of which a sum of Rs. 6,835-9-9 was recovered leaving a balance of Rs. 755-5-3 which is likely to be recovered shortly.

(1) *High Court Suit No. 934 of 1935 in respect of Plot No. 26, Sandhurst Road East Estate:—*

The Legal Assistant's Bill of Costs in respect of the execution proceedings in this suit is being officially taxed by the High Court.

(2) *High Court Suit No. 52 of 1936 in respect of Plot No. 28, Nowroji Hill Estate:—*

After the adjudication order against the 1st Defendant, Mr. Gulamally Hai Karimally was annulled, information was received that he owns certain property at Bandra. A search will therefore be taken in the Bandra Sub Registry to collect further particulars of the said property.

(3) *High Court Suit No. 569, in respect of Plot No. 27 Sandhurst Road East and Plots Nos. 4 and 5, Sydenham Road Estates:—*

A further sum of Rs. 2,595-15-0 was received from the Court Receiver. It is learnt that one of the defendants has become insolvent and execution proceedings will be taken against other defendants, if advisable.

(4) *High Court Suit No. 564 in respect of Plot No. 48, Nowroji Hill Estate:—*

Papers for execution proceedings by attachment of the moneys lying as deposit with the Municipality in the joint names of the defendants, Bai Shirinbai and her son Sadruddin Alimahomed are being prepared.

(5) *High Court Suit No. 1326 of 1938 in respect of Scheme No. 57, Case No. 320, let to Mr. Kisonlal Madhavlal:—*

Possession of the property in suit was taken but no proceedings for the recovery of decretal amount could so far be taken as it is reported that the defendant has no property.

(6) A suit being High Court Suit No. 909 of 1942 in respect of Plot No. 1, Worli Estate was filed and a decree was passed on the 23rd February 1943 against the defendants, Bai Ratanbai Begg and Mr. I. S. Hafisjee. The 1st Defendant paid Rs. 1,000 in part payment of the decretal amount and agreed to pay the balance shortly.

(7) As regards Suparibaug Estate, Plot No. 24, leased to Mr. Tricumdas Thakkar, the plaint against the heirs of the deceased is ready engrossed and will be filed shortly.

(8) *High Court Suit No. 501 of 1942, in respect of Plot No. 1A, Mahalaxmi Flats:—*

A decree was passed on the 6th May 1942 against the defendants, Messrs. Dattadin Sukhlal and others and accordingly possession of the plot was handed over by them. Further action will be taken against the parties after ascertaining whether they own any property.

(9) A suit being High Court Suit No. 256 of 1943 has been filed against the defendant, Mr. Pheroza Shah A. Clerk for the recovery of rents due.

(10) In respect of Scheme 37, Plot M/3, Mahomedally Road Estate a suit being High Court Suit No. 223 of 1943, has been filed against the defendant Bai Khatizabai G. Rupawalla for ejection and for recovery of arrears of rent.

A comparative statement showing the number of permanent tenancies with demand and collection as on 31st March of the past 4 years is given below:—

Particulars.	1940.	1941.	1942.	1943.	Remarks.
Number of tenancies ... ..	2,442	2,520	2,628	2,829	
Demand for the year in lakhs of Rs. ... ..	33.65	32.42	31.95	31.95	
Amount for collection in lakhs of Rs. ... ..	40.62	38.46	37.53	37.38	
Actual collection in lakhs of Rs. ... ..	33.33	32.88	32.09	33.12	
Arrears in lakhs of Rs. ... ..	6.03	5.58	5.44	4.26	
Percentage of arrears to amount for collection ... ..	14.8	14.5	14.49	11.39	
Percentage of collection to demand ... ..	99.05	101.41	100.44	<del>103.66</del> 103.66	

\* The difference of Rs. 1,120/- in the opening arrears may be attributed to the reduction in demand on account of modifications made subsequently due to commutation etc.,

The percentage of 11.39 of arrears may be attributed to the situation created by the war and partly to the usual tendency among the new building tenants to withhold payment of ground rents generally to the extent of the security deposits paid by them with a view to getting the same appropriated by adjustment. Adding to the collection the payments on account of rents withheld by lessees, viz., Rs. 46,377 to the extent of their security deposits and Rs. 4,799 held in deposit pending adjustments in respect of plot No. 11A of Scheme 29 etc., and deducting from the demand Rs. 1,28,945 for which legal action has been sanctioned by the Standing Committee in respect of plots Nos. 27, 28, 43 and 48 of Scheme 29, plots Nos. 4 and 5 of Scheme 37, plots Nos. 26 and 27 of Scheme 3, plots Nos. 1 and 25C of the Scheme 52 and plot No. 24 Suparibaug, the demand will be Rs. 36.09 lakhs, arrears Rs. 2.46 lakhs and percentage of arrears to demand 6.82.

#### Land Acquisition and Management

##### Municipal Section—Schemes Overbridges etc.

*Scheme for the widening of 1st Marine Street, Dhobitalao.*—In Case No. L.A.Q. 16-5 no further progress as regards the completion of the Agreement could be made by the Municipal Legal Assistant as the claimants, (Trustees) did not produce the documents of title for inspection by him.

Deed of Exchange in respect of the plot belonging to the Government of India with the two plots belonging to the Municipality included in the Scheme is nearing completion.

*Hornby Road to Ballard Pier Scheme, Case No. M/436.*—Engrossment of Conveyance in respect of the setback land at Cowasji Patel Street, surrendered by the claimants is forwarded to them for approval by the Municipal Legal Assistant. On completion thereof arrangements will be made for denotification of the case.

*Scheme for revising the lay-out of Hornby Road to Ballard Pier Scheme.*—Reference filed by the Claimant in case No. L.A.Q. 1-5 is on the board of the High Court for hearing.

Points of defence in the High Court Reference filed by the claimant in Case No. L.A.Q. 1-6 are already drafted by the Government Solicitors in consultation with the Consulting Surveyor to Government. The reference will be brought on the board of the High Court shortly.

*Acquisition of the Khardi Village Gaathan (Thana District) for prevention of contamination of Tansa Catchment.*—The Government of Bombay have been informed of the approval of the Corporation to the proposal to advance Rs. 35,000 to the District Local Board to be adjusted subsequently against the compensation to be awarded by Land Acquisition Officer for providing one tank and six wells for water supply in the new Gaathan, subject to certain conditions. The decision of Government in the matter is still awaited.

*Acquisition of land for the construction of additional Purification Works, Tulsi Pipe Line at Dadar.*—All the seven properties included in the scheme are acquired. No date has yet been fixed for the hearing of the High Court Reference filed by the claimant in case No. L.A.Q. 45-6.

A piece of the B. B. & C. I. Railway land admeasuring 525.11 square yards included in the Scheme has already been purchased under a conveyance which is now completed.

*Acquisition of land for the construction of 50' Road from Bhawani Shankar Road to Tulsi Pipe Line off Sewage Purification Works at Dadar.*—All the 3 properties included in the Scheme are acquired. One of the properties, namely Case No. L.A.Q. 40-2 having been settled amicably an area admeasuring 384.29 square yards retained by the claimants is withdrawn from acquisition and a small strip of land not required for the purpose of the road is agreed to be sold to the claimant under a conveyance.

The conveyance in respect of 3 small plots has not yet been drafted for want of documentary evidence of title as the title-deeds have not yet been produced before the Municipal Legal Assistant by the claimant though repeatedly requested.

*Acquisition of land for the construction of quarters for the staff and Compressor Station for the Sewage Purification Works, Dadar.*—The deed of the conveyance is being prepared by the Municipal Legal Assistant in respect of an area of 142 square yards out of Case No. L.A.Q. 41-2 according to the terms of settlement.

• Conveyances of the two properties belonging to the Government of Bombay and the B. B. & C. I. Railway, respectively, included in this Scheme have now been completed.

*Acquisition of land for the Sewerage Scheme for the North of Bombay.*—The conveyance in respect of the 4 strips of land belonging to the B. B. & C. I. Railway including the strip of land required for this scheme has now been completed.

*Acquisition of land for the construction of a portion of 40' Road off Cadell Road South.*—Points of defence in the High Court Reference filed by the claimant in Case No. L.A.Q. 50 are being drafted by the Government Solicitors in consultation with the Consulting Surveyor to Government Reference will be brought on the board of the High Court shortly.

*Acquisition of land for the proposed 40' and 50' Roads off Lady Jahmedji Road.*—The Government of Bombay have notified for acquisition under Section 4 of the Land Acquisition Act two properties included in the Scheme on 26-3-1943. Notification under Section 6 of the Land Acquisition Act will be published after an inquiry by the Collector of Bombay under Section 5-A is completed.

*Acquisition of properties of Maruti Street, bearing C.S. No. 851 and 867 of Fort Division in connection with the construction of the proposed extension of the 60' Parsi Bazar Street.*—The proposal for acquisition of two properties included in the Scheme which consist of dilapidated buildings having been sanctioned by the Improvements Committee under their Resolution No. 510 of 15-12-1942 an application has been made to the Government of Bombay to issue orders for the acquisition.

##### Mahim Development and other Schemes.

*Ranade Road Extension Scheme.*—No dates have yet been fixed for the hearing of the High Court Reference filed by the Claimants in Cases Nos. L.A.Q. 2-2, 2-3, and 2-14. The road is already constructed and is now open to traffic.

The remaining area of land admeasuring 775 square yards has been agreed to be leased at the rate of Rs. 65 per square yard.

*Lease of the Port Trust land to the Municipality adjoining Sewri-Fire Bridge Station for a drilling ground for the station staff.*—The lease supplemental to and co-terminus with the lease expiring on 30-9-1973 of the Bombay Port Trust land admeasuring 332 2/9 square yards has now been completed.

*Lease of the Port Trust land to the Municipality to Mahim Causeway for Municipal Town Duty Office.*—Possession of the land admeasuring 202 2/9 square yards (excluding the portion of the set-back) agreed to be leased for 50 years, has been taken over by the Municipality.

*Purchase by the Municipality of property bearing C.S. No. 1006, Part of Mahim Division.*—The draft conveyance in respect of the land absorbed in the footpath and 50' Road has been prepared by the Municipal Legal Assistant and will now be forwarded to the claimants for their approval.

*Taking over the maintenance of the Sewerage Pumping Station of the B. D. D. Chawls originally erected by Government C.S. No. 147 part of Sewri Division.*—The proposal to take up the sub-lease of the site from Government for 82 years from 20-8-1940 has been sanctioned by the Improvements Committee under their Resolution No. 560 of 26-1-1943. A draft of sub lease has now been received from Government for approval.

*Purchase by Municipality of the B. B. and C. I. Railway land at Mahalaxmi for providing a staircase to station Over-Bridge.*—The area has been jointly surveyed with the Railway Representatives and possession of the land will be taken shortly.

*Purchase of the B. B. and C. I. Railway land at Sion (Mahim Link) for widening Sion Road.*—The conveyance in respect of the land has now been completed.

*Exchange of Government land at Mahim Causeway With Municipal land at Love Grove Road.—Worli.*—The conveyance of Government land admeasuring 6,945 square yards bearing C. S. No. 1505 part of Mahim Division is nearly completed. This is in exchange for lease of Municipal land at Love Grove Road admeasuring 966 square yards. The lease is nearing completion.

#### *Special Roads Scheme.*

*Hornby Road to Ballard Pier Scheme.*—The total rent recoverable from the Scheme during the year amounted to Rs. 10,110. The previous year's recovery was Rs. 11,348. The drop in revenue is due to vacancies in some plots formerly let on a monthly basis.

*Paltan Road Estate.*—The semi-permanent sheds in this estate are let to poor tenants. The total rent recoverable from the estate during the year amounted to Rs. 10,073. The previous year's realization was Rs. 10,774. The fall in rent is due to the demolition of some of the semi-permanent sheds.

No appreciable change could be effected in other schemes mentioned in the last year's report owing to abnormal conditions due to the war.

Statement "A" attached indicates progress in the disposal of Municipal lands in the year and Statement "B" gives the details of the collection of Revenue from the buildings and lands let for purposes other than cultivation. It will be seen that the value of Municipal lands disposed of during the year came to Rs. 59,695 as against Rs. 3,80,724-8-0 during the previous year. The total value of Municipal land available for disposal was about Rs. 1,38,863-8-0 as on 1st April 1942. The amount of fees collected for rights of cultivation, tapping, etc., came to Rs. 1,680.

H. B. SHIVDASANI,

*Deputy Municipal Commissioner (Improvements).*

## STATEMENT "A".

The figures indicate progress in the disposal of old Municipal Land in the year as follows:—

No.	Particulars.	Number of Plots.	Area in square yards.	Capital Value.	
				Rs.	a. p.
I.	Plots leased on rental basis ... ..	1	764	53,640	0 0
	Plots leased on Premium basis ... ..	...	...	...	...
II.	Land sold ... ..	2	334	6,055	0 0
	<b>Total</b> ... ..	<b>3</b>	<b>1,098</b>	<b>59,695</b>	<b>0 0</b>
	Corresponding Figures:—				
	1939-40 ... ..	49	27,247.94	4,70,769	7 2
	1940-41 ... ..	36	27,926.32	5,15,527	4 0
	1941-42 ... ..	25	18,848.84	3,80,724	8 0

## STATEMENT "B".

Collection of Revenue in respect of old Municipal Properties.

Details of the collection of revenue during the year 1942-43 can be seen from the following table:—

	REVENUE.		
	Permanent.	Temporary.	Total.
	Rs.	Rs.	Rs.
Amount of collection (Demand for the year) ... ..	1,56,374	2,24,146	3,80,520
Amount of arrears for the year ... ..	(a) 20,514	(b) 54,350	74,864
<b>Total</b> ... ..	<b>1,76,888</b>	<b>2,78,496</b>	<b>4,55,384</b>
Amount collected ... ..	1,59,405	2,16,086	3,75,491
Amount written off ... ..	...	18,702	18,702
Arrears as on 1st April 1943 ... ..	17,483	43,708	61,191
Arrears as on 1st April 1942 ... ..	20,592	54,585	75,177
Arrears as on 1st April 1941 ... ..	18,569	70,926	89,495

(a) The difference of Rs. 78/- in the opening arrears can be attributed to the reduction in demand on account of modifications made subsequently due to commutation etc.

(b) The difference of Rs. 2.35 is due to the adjustments carried out subsequently.

## APPENDIX "A" Capital Account. (Figures in Lakhs)

	1939-40		1940-41		1941-42		1942-43	
	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 ... ..	...	1,736.9	...	1,736.9	...	1,736.9	...	1,736.9
Discount or Premium ... ..	...	-14.2	...	-14.2	...	-14.2	...	-14.2
Sale Proceeds ... ..	14.6	361.1	22.3	383.4	15.8	399.2	28.0	427.2
Appropriation from General Account ... ..	4.6	-178.9	-3.9	-182.8	5.8	-177.0	-16.2	-193.2
Special contribution from Government ... ..	...	54.0	...	54.0	...	54.0	...	54.0
Release of Debentures lodged with Govt. ... ..	...	42.6	...	42.6	...	42.6	...	42.6
Extraordinary receipts ... ..	...	25.1	...	25.1	...	25.1	...	25.1
Miscellaneous ... ..	...	0.1	...	0.1	...	0.1	...	0.1
<b>Total</b> ... ..	<b>19.2</b>	<b>2,026.7</b>	<b>18.4</b>	<b>2,045.1</b>	<b>21.6</b>	<b>2,066.7</b>	<b>11.8</b>	<b>2,078.5</b>
<b>EXPENDITURE</b>								
<i>I.—On Govt. and Municipal Property—</i>								
Schedule 'W' ... ..	...	13.1	...	13.1	...	13.1	...	13.1
Do. 'X' ... ..	...	16.2	...	16.2	...	16.2	...	16.2
Do. 'Y' ... ..	...	4.7	...	4.7	...	4.7	...	4.7
Police Accommodation Schemes ... ..	...	91.6	...	91.6	...	91.6	...	91.6
<b>Total</b> ... ..	<b>...</b>	<b>125.6</b>	<b>...</b>	<b>125.6</b>	<b>...</b>	<b>125.6</b>	<b>...</b>	<b>125.6</b>
<i>II.—On the Trustown acquired lands—</i>								
Cost of Management and Estab. ... ..	1.2	180.7	1.2	181.9	1.0	182.9	1.2	184.1
Acquisition of land ... ..	0.6	976.3	...	976.3	0.7	977.0	2.4	979.4
Chawls ... ..	2.5	127.9	2.4	130.3	0.7	131.0	...	131.0
Roads ... ..	3.9	397.3	3.9	401.2	3.6	404.8	3.0	407.8
Other works ... ..	0.6	23.4	0.1	23.5	0.8	24.3	0.3	24.6
Mills companies chawls ... ..	...	7.7	...	7.7	...	7.7	...	7.7
<b>Total</b> ... ..	<b>8.8</b>	<b>1,713.3</b>	<b>7.6</b>	<b>1,720.9</b>	<b>6.8</b>	<b>1,727.7</b>	<b>6.9</b>	<b>1,734.6</b>
<i>III.—Miscellaneous—</i>								
Office Buildings ... ..	...	4.5	...	4.5	...	4.5	...	4.5
Other items ... ..	...	12.3	...	12.3	...	12.3	...	12.3
<b>Total</b> ... ..	<b>...</b>	<b>16.8</b>	<b>...</b>	<b>16.8</b>	<b>...</b>	<b>16.8</b>	<b>...</b>	<b>16.8</b>
<i>IV.—Disposal of Profits</i>								
<i>V.—Debentures lodged with Govt.</i> ... ..	...	42.6	...	42.6	...	42.6	...	42.6
<i>VI.—Repayment of Loan</i> ... ..	0.2	67.8	...	67.8	...	67.8	7.7	75.5
<b>Total</b> ... ..	<b>9.0</b>	<b>1,966.1</b>	<b>7.6</b>	<b>1,973.7</b>	<b>6.8</b>	<b>1,980.5</b>	<b>14.6</b>	<b>1,995.1</b>
Balance ... ..	10.2	60.6	10.8	71.4	14.8	86.2	-2.8	83.4



**APPENDIX " B**  
*Analysis of General Account*  
(Figures in columns 2 to 12 shown in lakhs)

Year.	RECEIPTS						EXPENDITURE					Balance appropriated to 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	0.1	...	...	...	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	1.10	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	
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	
1931-1932	49.3	23.5	...	1.4	0.1	74.3	10.5	3.3	94.3	...	108.1	-33.8	
1932-1933	49.3	23.5	7.4	1.1	0.1	81.4	11.8	3.0	96.5	...	111.3	-29.9	
1933-1934	49.2	32.9	11.4	3.9	...	97.4	7.5	4.4	98.2	...	110.1	-12.7	
1934-1935	50.9	33.4	10.9	3.3	...	98.5	9.6	4.2	98.6	...	112.4	-13.9	
1935-1936	50.3	33.4	9.8	2.8	0.1	96.4	9.5	3.8	102.3	20.8	136.4	-40.0	
1936-1937	51.2	32.2	11.8	4.9	0.2	100.3	10.3	3.6	85.2	...	99.1	+1.2	
1937-1938	50.6	34.4	12.4	4.6	0.6	102.6	10.5	3.3	83.1	...	96.9	+5.7	
1938-1939	52.0	34.3	10.4	4.2	0.4	101.3	15.0	3.2	80.9	...	99.1	+2.2	
1939-1940	53.5	37.1	9.9	3.4	0.4	104.3	16.1	3.4	80.2	...	99.7	+4.6	
1940-1941	52.5	35.7	5.4	3.9	0.6	98.1	18.1	3.6	80.3	...	102.0	-3.9	
1941-1942	52.3	36.9	10.0	4.0	0.3	103.5	14.3	3.4	80.0	...	97.7	+5.8	
1942-1943	54.2	24.7	4.1	4.0	0.3	87.3	14.4	3.2	79.6	6.3	103.5	-16.2	
Total to end of 1942-1943.	1,436.6	753.7	103.5	142.5	13.0	2,449.3	289.6	101.1	2,219.4	32.4	2,642.5	-193.2	

\*Includes interest paid to Government and the Municipality under Section 68 (1) of the old Act as shown below :-

Year.	Government Rs.	Municipality Rs.	Total Rs.
1909-10	65,350	41,241	1,06,591
1910-11	46,440	37,841	84,281
1911-12	61,858	37,276	99,134
1912-13	68,194	37,431	1,05,625
1913-14	54,644	27,668	82,312
Total	2,96,486	1,81,457	4,77,943

## Particulars of Municipal (Improvements) Chawls, Capital Cost, Net Annual Returns

Serial No.	Name of Chawl.	Year in which site of chawls appropriated for 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 site columns 4 & 5	Constructional cost of the chawls including 7½ per cent. for management and establishment.	Cost of work, value of 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 7 up to 1919 and thereafter at 6.35 percent.	Full letting value per annum.	Annual profit + or loss— i.e., 41.56 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	22,642	-1,493
2	5—16 Do. B do.	1903	11,925	6	71,550	5,41,639	6,13,189	28,269	59,266	-3,642
3	31—32 } 38—40 } 45—46 } Do. C do.	1903	6,251	6	37,506	2,79,182	3,16,688	14,599	31,440	-1,533
4	19—24 Chandanwadi Chawls	1904	9,664	15	1,44,960	3,76,915	5,21,875	24,059	61,452	+1,480
5	25—27 Imamwada A Chawls 29, 30 & 41 }	1905	13,442	13.8	1,81,467	4,98,562	6,80,029	31,349	63,138	-5,109
6	50 Do. B do.	1905	949	13.8	12,811	19,368	32,179	1,483	2,323	-518
7	33—37 Mandvi-Koliwada Chawls	1908	4,169	75	3,12,675	2,76,040	5,88,715	27,140	52,405	-5,361
8	51 Workmen's Cottages, Matunga	1905	944	5	4,720	12,083	16,803	774	1,260	-248
9	17—18 Nagpada A Chawls	1903	2,569	7	17,983	82,358	1,00,341	4,626	11,124	-3
10	39 Do. B do.	1904	2,099	7	14,693	99,776	1,14,469	5,277	11,124	-654
11	28 Princess Street do.	1907	1,480	30	44,400	42,412	86,812	4,002	5,952	-1,528
12	42—44 } 47—49 } Suparibaug Chawls	1910	8,081	4.8	36,364	3,39,878	3,76,242	17,345	33,492	-3,426
13	52—57 Chinch Bunder Chawls	1913	8,496	(d) 26.66	2,26,560 (c)	3,79,622	6,06,182	27,945	46,632	-8,564
14	... Cottage Blocks (old)	1920	2,780	10	27,800	36,069	63,869	4,056	3,024	-2,799
15	58—61 Mahar Chawls	1921	4,181	15	62,715	4,39,814	5,02,529	31,911	28,392	-20,111
16	62 Peons Chawls	1921	3,419	15	51,285	1,70,863	2,22,148	14,106	12,264	-9,009
17	63—66 Mominpura Chawls (old)	1921	7,760	15	1,16,400	4,31,655	5,48,055	34,801	24,285	-24,708
18	67—72 Three-room tenements, Scheme 5	1922	5,609	4	33,654	2,64,717	2,98,371	18,946	14,112	-13,081
19	73—78 Two-room tenements, Scheme 6	1922	4,234	6	25,404	2,91,972	3,17,376	20,153	17,280	-12,972
20	79—85 Cottages Blocks (new)	1922	7,808	6	46,848	69,312	1,16,160	7,376	2,760	-6,228
21	Blocks. 1—19 Bellasis Road Chawls	1922	35,704	19	6,78,376	25,75,065	32,53,441	2,06,594	1,55,724	-1,41,874
22	.. 1—16 Mazgaon Chawls	1922	29,081	10	2,90,810	21,77,079	24,67,889	1,56,711	1,10,156	-1,10,931
23	.. 1 Mominpura Chawls (New)	1923	3,911	20	78,220	3,14,276	3,92,496	24,923	21,346	-16,052
24	.. 1—23 Love Lane Chawls	1925	13,367	18.8	2,47,289	11,36,407	13,83,696	87,865	86,406	-51,955
25	.. 1—10 Sydenham Road Chawls	1925	12,795	16	2,04,720	7,78,071	9,82,791	62,407	58,200	-38,218
26	.. 1—2 Falton Road chawls	1940	3,255	25	1,375	2,32,503	3,13,878	19,931	23,106	-10,327
	Total	...	2,11,258	...	31,01,580	1,20,51,143	1,51,52,723	8,87,551	9,59,305	-4,88,864

(a) Rs. 7—13—0 for 8 rooms being two-room tenements.  
(b) Represents loom.

A= Rooms occupied by Mukadams.  
B= do used for office & Stores.  
C= do temporarily occupied by Schools.  
D= do occupied by Chawl Supdts. Qrts. including Office & Stores.  
E= do do do Shops.  
F= do do do Gymnasiums..  
G= do do do Godowns.

## Statement showing dishousing and rehousing operations on

YEAR.	NUMBER OF TENEMENTS DEMOLISHED UP TO THE END OF THE YEAR				NUMBER OF TENEMENTS PROVIDED UP TO								
					IN CHAWLS			IN POLICE ACCOMMODATION, POOR CLASSES ACCOMMODATION, COMPANIES AND B. D. CHAWLS					
	One room.	Two room.	Larger.	Total Col. (2) to (4).	Perma- nent.	S. P. Sheds.	Total Col. (6) and (7).	One room.	Two rooms.	Larger.	Servants quarters.	Total Col. (6) to (12).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
1898-99 to 1940-41.	28,774	5,397	3,635	37,806	9,854*	3,528	13,382	18,197	51	145	162	18,555	
1941-42	206	39	7	252	156	89	245	...	...	...	...	...	
1942-43	263	22	11	296	...	...	...	...	...	...	...	...	
Total	29,243	5,458	3,653	38,354	10,010	3,617	13,627	18,197	51	145	162	18,555	

\* This figure is exclusive of Godowns and Gymnasiums.

## C.

## Number of tenements, full letting value and permissible actual population.

Percentage of net annual return (41.56 per cent. of col. 10) of capital cost (col. 9).	Total Number of rooms. Column 18+19.	Number of floors including ground floor.	Floor area of tenement including verandah.	Rent per room as on 31-3-1943.	Net profit + or loss per room (column 10÷12).	Let for living purposes.	Let for shops, Godowns, Verandahs, Looms or Municipal purposes.	Total population	Maximum Permissible population in adults.		Equivalent Adults.	Population per acre in largest groups.
									Population per tenement.	Total population.		
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	21	22	(23)	(24)
3.98	312	3	sq. yds. 175	Rs. a. 5 10	-4.77	275	7-D	1,246	5	1,375	816	714
4.02	658 (Verandah) 288	4	110 142	(a) 7 13 4 15 5 4	-3.85	927	30-E 19-E	2,542	4	3,708	2,346	...
4.12	432	4	177	5 10	-3.55	413	19-E	1,075	5	2,065	990	...
4.89	674	4	125	7 7	+2.19	663	2-D, 8-E & 1-A	2,297	4	2,652	1,966	1,004
3.86	857	4	135	6 3	-5.96	845	1-B, 4-C & 7-D	2,345	4	3,380	2,220	757
2.99	30	2	160	6 7	-17.27	30	30-E	100	4½	135	90	...
3.69	278	4	176	6 15 8 1	-19.28	222	26-G	1,010	5	1,110	890	805
3.13	15	1	120	7 1	-16.53	15	...	...	4½	67½	...	...
4.61	144	4	148	6 7	-0.21	144	...	710	5	720	668	910
4.04	144	4	160	6 7	-4.54	144	...	312	3½	504	306	...
2.85	64	4	131	7 12	-23.87	64	...	270	4	256	250	...
3.69	481	4	176	5 13	-7.12	479	1-B 1-F	2,133	4½	2,155½	1,967	...
3.19	405	2	176	6 4	-21.14	372	33-G	1,770	3½	1,302	1,642	892
1.96	14	1	175	18 0	-199.92	14	...	...	5	70	...	...
2.34	325	4	176	7 3	-61.88	320	4-E 1-F	1,629	5	1,600	1,022	...
2.29	134	4	176	8 0	-67.23	131	3-E	514	5	655	351	...
1.84	246	4	176	7 0	-60.85	240	6-D	1,013	5	1,200	720	588
1.96	(b) 160 36	3	562	Rs. 30, 33, 35	-363.36	36	...	...	...	...	...	...
2.26	72	3	338	Rs. 17, 19, 20 & 22.	-180.17	72	...	...	...	...	...	...
9.88	10	1	325	Rs. 23-0-0	-622.8	10	...	...	...	...	...	...
1.98	1,549	4	176	Rs. 5, 8, 9, 8, 10	-91.59	1,513	9-E, 20-C & 7-D	5,936	5	7,565	5,602	...
1.85	1,305	4	176	7, 7-8	-85.	1,270	27-C, 6-D & 2-E	6,812	5	6,350	6,344	...
2.26	234	4	176	7 0	-55.73	228	6-E	968	5	1,140	694	990
2.59	(b) 54 821	4	176	8, 8-8, 9, 9-8, 10, 10-8 & 12	-63.28	793	1-B, 21-F, & 6-D	3,658	5	3,965	3,358	...
2.46*	391	4	176	8-8, 9, 9-8, 10, 18, 19, & 20	-97.74	385	2-A, 1-B, 1-C, 1-D & 1-E	1,414	5	1,925	1,284	...
3.06	156	4	180	8, 8-8, 9 & 10	-66.19	139	4-C 13-E	568	5	695	509	...
2.63	10,075 (b) 214 (Verandah)	...	...	...	-47.51	9,744	@331	38,322	...	44,595	34,025	...

@ 3-A, 4-B, 52-C, 42-D, 165-E, 2-F, 63-G, = 331.

(c) This figure represents the value at Rs. 40/- per sq. yard of the site situate between the 25' road and the Railway and measuring 5,664 sq. yards.

(d) This figure is arrived at by dividing (c) by 8,496 sq. yards.

## D.

## Estates since the commencement of the Late Trust.

THE END OF THE YEAR					TOTAL					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 year cols. 23-5.	To end of 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)
17,403	7,349	9,400	2,211	36,363	48,982	7,400	9,543	2,373	68,300	30,494	30,494
210	82	209	2	503	455	82	209	2	748	496	496
22	126	192	1	341	22	126	192	1	341	45	45
17,635	7,557	9,801	2,214	37,207	49,459	7,608	9,944	2,376	69,389	31,035	31,035

# WATER WORKS.

Bombay, 3rd June 1943.

Subject: Administration Report for the year 1942-43.

During the year under review I held the charge of this Department.

2. The report is arranged under the following heads:—

- (1) City Water Supply System.
- (2) Supply Statistics.
- (3) Lakes and their statistics.
- (4) Outside City Branch.
- (5) Distribution Branch.
- (6) Waste Prevention Branch.
- (7) Meter Branch.
- (8) Maintenance Branch.
- (9) Construction Branch.
- (10) Survey and Design Branch.
- (11) Works of Interest.
- (12) Measures for Civil Defence—Protection of Water Supply System.
- (13) General.

## I.—CITY WATER SUPPLY SYSTEM.

3. Practically the whole of the water supply except for a small portion of the highly elevated districts of Malabar Hill and Altamont Road, is on gravitation system from the three lakes, Tansa, Vehar and Tulsi.

**Sources of Supply.**  
4. The Tansa Lake which forms the main source of the City's supply is situated 66 miles from Bombay towards North East. The bulk of the supply was brought from Tansa to the extent of 90.94 million gallons per day through the 72" steel mains and the Old Duct Line consisting of syphons, masonry duct and tunnels.

**Tansa Lake.**  
5. The two 72" mains, each 40½ miles long, take off from the outlet well and follow the low lying country to the West of the old masonry aqueduct and meet the Kasheli syphon at Pogaon about 9 miles to the North of Thana from whence they run parallel with the Kasheli syphon, crossing the Bassein Creek on the new bridges over which runs the Bombay Agra Road, South of Thana they run parallel with the old duct line; at Bhandup they turn southward and pass under the old masonry aqueduct into the country dividing the Vehar and Powai Lakes. The two 72" mains are reduced to 57" at Powai and a 60" steel main, ¾ mile long, connects them up to the Old Duct Line at Ghatkopar syphon. The 57" mains cross the Bandra Creek on an independent bridge situated between Ghodbunder Road and the Railway Bridge from whence they enter the City limits and run underground upto Nana's Chowk, and carry the supply to the Malabar Hill Reservoir.

**Alignment of Trunk Mains.**  
6. The Old Duct Line follows as far as practical the contour of the country along the ranges of hills between Tansa and Ghatkopar and is tunnelled through the hills at 13 places. The total length of masonry duct is about 23.25 miles and that of the tunnels is 4¼ miles. The intervening valleys have been crossed by 48" C. I. and 50" steel pressure pipes in the form of inverted syphons. There are 9 such syphons of a total length of 23.75 miles. The duct line enters the City, as 2—48" C. I. mains, the Old and New Tansa. The Old 48" main distributes its supply to the lower parts of the City through its innumerable branches, while the New Tansa main carries its water to the Bhandarwada Hill Reservoir.

**Alignment of the Masonry Duct.**  
7. The next in importance is the Vehar Lake from which about 11.56 million gallons per day were supplied to the north of the City during the year. The 48" main which brings the supply to the City, passes through Kurla and crosses the Railway line to Chembur Sluice House where it reduces to 32" diameter and skirts the country from the east of G. I. P. Railway, entering the City at Vincent Road. A 24" main bifurcates at Kurla which also supplies part of the Suburbs and the north of the City.

**Vehar Lake and alignment of 48" main.**  
8. The Tulsi lake is situated above the Vehar lake and supplied 3.13 million gallons per day. A 24" C. I. main which runs mostly along the 57" Tansa mains is connected to the Malabar Hill Reservoir. However the supply from this lake is given to the Suburbs which require water at high pressure. The 24" main is regulated at Bandra Sluice House and a small quantity of water is allowed to pass to the City so as to avoid dead end at Bandra and thus stagnation. The stretch of 24" Tulsi Main from Bandra Sluice House upto Haines Road is supplied water from the 57" West Main through 12" cross connection at Lady Hardinge Road, Portuguese Church Street and Fergusson Road.

## II.—SUPPLY STATISTICS.

9. The total quantity of water supplied to the City and the Suburbs during the year from various sources amounted to 36,055 million gallons or an average of 98.78 million gallons per day, the corresponding figure for the preceding year being 37,128 million gallons or an average of 101.72 million gallons per day, i.e., a decrease of 2.94 million gallons per day. The decrease was due to curtailment in the supply on account of deficient rainfall. The average daily supply to the Suburbs was 3.51 million gallons per day, drawn mainly through 24" Tulsi and 57" Tansa mains. The balance of 95.27 million gallons per day was supplied to the City which, distributed amongst 14,89,883 souls (as per the Census Report of 1941), amounted to 63.94 gallons per head per day for all purposes. The minimum and maximum supply per day amounted to 70.18 and 109.60 million gallons respectively. The two 72" mains conveyed an average of 85.68 million gallons per day (31,276 million gallons per year) throughout the year, the duct, 5.26 million gallons per day (1,922 million gallons per year) throughout the year, the 48" Vehar 11.56 million gallons per day, i.e., 1,896 million gallons

in 164 days, as the Vehar Lake was not adequately replenished had during the monsoon, and the 24" Tulsi 3.13 million gallons per day, i.e., 961 million gallons in 307 days, as the Tulsi main was being scraped. The statement marked Appendix "A" shows the supply utilised for various purposes.

### III.—LAKES AND THEIR STATISTICS.

10. The Appendix marked "B" shows the statistics of all the Municipal Lakes.
11. The maximum rainfall during the year at Tansa, Tulsi and Vehar was 6.12" on 5th July, 8.72" on 28th June and 6.15" on 27th June, respectively.
12. The figures for evaporation losses at the lakes for the various months during the year under review are tabulated in Appendix "C". The total loss due to evaporation during the months of April, May, October, November, December 1942 and January to March 1943, was 3,967 million gallons at Tansa, 1,025 million gallons at Vehar and 284 million gallons at Tulsi. It is probably not realised what a large quantity of water is thus lost from the lakes. From Tansa alone a quantity equivalent to about 44 days' supply to the City was lost due to evaporation and the total evaporation losses per day worked out to 21.7 million gallons.
13. The Tansa, Tulsi and Powai Lakes over-flowed on 18th July, 30th August and 18th July 1942 and the number of days they over-flowed was 57, 14 and 76, respectively. The total quantity of water lost was 43,072 million gallons.
14. During the period when the Tansa Lake was overflowing, 45.05 million gallons of water were transferred from it into the Vehar Lake through the duct line. More quantity could not be transferred as the duct was out of commission and the City's water supply would have suffered.

### IV.—OUTSIDE CITY BRANCH.

15. 197 miles of Trunk Mains of various sizes (Steel Mains 72"-81 miles; 60"-3½ miles; 57"-14½ miles; 48"-1¾ miles; 50"-18 miles; 48"-Lock bar-1 mile; Cast iron mains 48"-31½ miles; 42"-¼ mile; 32"-3 miles; 24"-15¼ miles and masonry duct, including tunnels 27½ miles) were maintained during the year from the grant under Materials for General Works and Repairs, Outside Bombay, to the extent to which funds were available.
16. There were two bursts—one on 48" New Cast-iron Tansa Main at Sion and the other on 12" C. I. Pipe of the cross-connection between 57" East and West Tansa Mains and 24" Tulsi main at Bandra and one heavy leak on the 48" C. I. Tansa main near Chembur.
17. The work of stoppage of some big leaks and general repairs including repairs to arching and removal of stones, etc., was carried out departmentally at a cost of Rs. 3,000. As the condition of the duct line has deteriorated resulting in loss of a large quantity of water at various places, the Corporation have approved of the scheme of reconditioning it at the estimated cost of about Rs. 27 lakhs, but the work has been deferred pending the decision of the Corporation with regard to the Schemes for augmentation of water supply.
18. Shrubs and jungle around the lakes and along the Old Tansa Duct Line were cleared at a cost of Rs. 2,000. Besides this, from the downstream side of the Tansa Dam, shrubs and grass were partly removed out of a special provision of Rs. 500.
19. Repainting of 57" mains in Bandra Creek was carried out at regular intervals of two months according to the usual practice. A total length of 2,300 r.ft. was painted. A double length of about 4 miles of 72" steel mains in Jamboli and Kasheli Divisions, about 640' of 50" lock bar steel mains and about 340' of 72" steel strakes on the Line Suspense account were also painted. The expenditure booked during the year was Rs. 35,450.
20. 3 furlongs of 48" Tansa main and 1 furlong of 24" Tulsi main were re-graded at a cost of Rs. 2,000 and Rs. 300, respectively.
21. 118 miles of embankment and cuttings, carrying the pipe lines and trolley tracks were maintained during the year. 7 over-bridges and 32 culverts were repaired. 12,000 sq. ft. of stone pitching was done and earth filling was carried out to the extent of 14,000, 7,000, 20,000 and 7,000 c.ft. in the Salsette, Kasheli, Jamboli and Mandola Divisions, respectively.
22. Out of a total length of 81.5 miles of trolley tracks, only 65 miles were maintained to the extent of funds available.
23. The Loco covered 5,927 miles (a total of 32,836 miles since its purchase). The average cost of haulage including labour and material was annas 6 per mile. The reasons for the higher rate were due to higher cost of materials, repairs, etc. The loco was idle for 60 days during the year on account of repairs. The cost of upkeep and running was met out of the grant under "Maintenance of Trolley Track, Embankment, Culverts, etc., Outside City", and from A. R. P. grants for emergency housing accommodation of the labour staff and protection of vital structures to the extent to which materials were transported for those works by the loco.
24. Light transport was carried out by push wagons and trolleys, which are maintained from the grant under "Maintenance of Trolley Track, Embankment, etc." The number of push wagons and trolleys maintained during the year was 69 and 22, respectively. In addition to this, 6 tip wagons were used for embankment work.
25. The cost of maintenance of the embankments and the trolley tracks, loco, push wagons, gardens, etc., for items under paragraphs 21, 22, 23, 24, 34 was about Rs. 71,500 including the cost of track materials. The original grant of Rs. 54,000 was later on supplemented by Rs. 17,500.
26. The Department had 4 heavy type and 3 light type motor trolleys during the year. The total mileage covered was 47,324 miles at a cost of Rs. 9,900 (annas 3, pies 4 per mile).
27. The Tansa-Atgaon Road which links the main Bombay-Agra Road with Tansa, was maintained as usual jointly by the Municipality and the Forest Department. A sum of Rs. 1,100 was advanced to Government for which no detailed account was received till the close of the year.
28. Water from the three lakes is sterilized by Chloramine treatment consisting of ammonium sulphate solution and liquid chlorine in case of Tansa and Vehar supplies and of ammonia gas solution and liquid chlorine in case of Tulsi supply. The existing masonry storage tanks for ammonium sulphate solution at Powai being found to be unsuitable for this purpose, a C. I. overhead tank from old sheets is being erected, and it will be put into commission shortly. It is expected that this C. I. tank will help to resist the corrosive action of ammonium sulphate better.

(a) *Tansa Supply*.—The Tansa supply was sterilized at the Chlorination Plants at Powai and Ghatkopar. The minimum and maximum doses of Chlorine were .52 and .76 parts per million parts, respectively, and the ammonia dose\* was 0.02 and 0.24 parts per million.

(b) *Vehar Supply*.—The Vehar supply was sterilized at the Chlorination Plant at Powai. The Chlorine dose varied from 0.52 to 1.00 parts per million parts and the ammonia dose\* from 0.02 to 0.24 parts per million.

The total expenditure on purification of Tansa, Vehar and part of Tulsi supply was Rs. 1,60,412 which includes the cost of 2,52,000 lbs. of chlorine, 94,304 lbs. of ammonium sulphate, and repairs, maintenance and establishment charges. The cost for 1,000 gallons and 1 million gallons works out to .83 pies and Rs. 4-5-5, respectively.

(c) *Tulsi Supply*.—Tulsi water was purified at a cost of Rs. 27,640 by chlorine, ammonia gas and alum out of which a sum of Rs. 18,540 was borne by Government and the balance is included in (b) above. Chlorine dose varied from .69 to 1.70 parts per million while the ammonia gas dose varied from 0.2 to 0.68 parts per million and alum from 0.23 to 0.80 grains per gallon. The cost is shared between Government and the Municipality in proportion to the quantity of water consumed by each of these bodies.

(d) *Filtration*.—No part of the supply was filtered, during the year. The question of working mechanical filters at Tulsi has been taken up with Government.

(e) *Field Laboratory*.—A small field laboratory has been set up at Powai and samples of water from lakes and mains are tested for ascertaining their various properties, viz., mud contents, alkalinity, pH value, etc., thus providing valuable information about the quality of water supplied to the City. Residual chlorine tests were also taken daily at Sion, Thana Road, Powai, Ghatkopar and Bandra and the dose of chlorine adjusted accordingly.

(f) *Re-Chlorination*.—With a view to sterilize the water in the Reservoirs and to keep up the standard of residual chlorine in mains inside the City, every week or every fortnight an extra dose of Chlorine was injected into the Reservoirs. The method at present employed is a bit crude and an order has already been placed with Messrs. Candy Filters (India), Ltd., to instal a modern chlorinating unit with necessary accessories. 5,100 lbs. of chlorine were consumed. This quantity has been included in the total amount of Chlorine referred to in paragraph (b) above. Water in certain mains in the City which did not show good result on analysis was re-chlorinated by means of a portable chlorinator unit. Re-chlorination was done at 89 points in various parts of the City.

29. Fortnightly bacteriological and analytical tests of water after chlorination from trunk mains outside the City and occasional tests from Trunk mains in the City were carried out throughout the year by the Municipal Analyst. In all, 174 samples were taken from various points on the Trunk Mains within and outside the City. The results show that out of 174 samples, 155 samples gave negative reaction of "B Coli" in 100, 8 negative reaction of "B Coli" in 50, 6 samples positive reaction of "B Coli" in 5, 3 samples in 10 and 2 samples in 20. It was noticed that the majority of the samples which showed bad results were from the "dead ends" of the mains. After these mains were flushed, the water was found on analysis to be of the usual standard of purity. The expenditure under this item was met from the grant under "Minor and Unforeseen charges". It will be seen that the high standard of purity as laid down by the Ministry of Health in England continued to be maintained during the year.

30. A private telephone system 61 miles long with 22 stations outside the City was maintained through the Government Telephone Department at a cost of Rs. 7,262. The system is not working efficiently and the Government Telephone Department was asked from time to time to rectify the defects. Towards the end of the year after the visit of the Divisional Engineer, Telegraphs, there was some improvement but it did not last long. Government have not improved the system substantially and it works inefficiently. The question of maintaining a private telephone line departmentally is imperative but it has to be deferred till after the war. Six telephone exchanges were maintained by Telephone Department at Ghatkopar, Powai, Bandra Cabin, Santa Cruz, Thana Road and Sion Cabin. A telephone exchange is being installed by the Telephone Department in the Marol Venturi House at the cost of the Military authorities at the junction of Andheri-Kurla Road with the Municipal pipe line in order to facilitate the regulation of the supply to the Military Camps through the 8" newly laid water main.

31. The repairs and painting of Water Works Buildings outside the City including 28 sluice house structures were carried out departmentally at a cost of Rs. 11,151. The 10 units quarters at Ghatkopar and Tansa Road Cabin were thoroughly repaired and painted.

32. There are 9 Venturi Meters, recording discharge of water through Trunk Mains outside the City. All are in working condition except the 32" Vehar Venturi Meter, which was under repairs and could not be put into working condition due to the difficulty of obtaining mercury and clock parts. These meters were maintained from the grant under "Meters".

33. 151 hand-operated penstock gates and sluice valves varying in sizes from 12" to 48", 9 hydraulically operated sluice valves, 52 pressure gauges and recorders, 35 burst alarms and 121 air valves were oiled, greased, and maintained from the grants under Materials for General Works and Repairs, outside the City. The hydraulically operated valves are not in proper working order and two of them at Kapurbavdi on 72" East and West Tansa mains were converted at the end of the year into hand operated ones. The cost on this account was met from the funds provided under Loan Works for Repairs to Old Kasheli Bridge.

34. The 6 gardens outside the City, viz., at Tansa, Vehar, Tulsi, Powai, Venturi House, Vehar Bungalow, and Ghatkopar cross-connection were maintained during the year, from the 'Repairs to Embankment, etc., grant for Outside City'.

35. The number of visitors to the two lakes, viz., Tansa and Vehar, was about 243 and 12,565, respectively. The number of visitors has fallen considerably due to the rationing of petrol.

36. The campaign to prevent trespass in the catchment and the lake areas was continued during the year and 275 and 380 heads of cattle were impounded at Tansa and Vehar, respectively. As there is no suitable cattle pound near the Tansa Lake, the proposal of providing one at a cost of Rs. 1,875 on the west of the Tansa Duct Line at mile 0 furlongs 2 has been approved by the Corporation and the work has been entrusted to the District Local Board, Thana, but nothing has been done

\* The figure for ammonia dose is less, as for certain day's it had to be reduced to find out whether free ammonia in water was due to the introduction of this chemical or some other pollution.

so far as the question of the site where the pond is to be erected is under consideration. The cattle pond after construction will be handed over to the District Local Board and will be maintained by them. Traffic within the Municipal limits was closed in different sections for 24 hours in the month of March to preserve Municipal rights and ownership. This is being done once every 3 years.

37. Details of gauging etc., are given in Appendix "D." The cost of labour was met from Extra Labour and that of materials from the grant under 'Materials for General Works and Repairs Outside Bombay.'

38. The total cost of materials incurred under 'Materials for General Works and Repairs, Outside Bombay', for items in paragraphs 15, 16, 33, 37 and 40-C was Rs. 9,538.

39. The lighting set at Tansa was maintained in working condition throughout the year. The old lighting set at Powai did not give proper service due to frequent breakdowns. Attempts to set it right are being made and if not successful a new set will have to be installed. The total cost of repairs was Rs. 727.

40. (a) The remaining two Units of quarters No. 3 at Tansa were remodelled at a cost Extra Ordina ry of Rs. 2,097.

#### Repair Works

(b) Algae growth—Copper Sulphate being not available in the early part of the year was only purchased late in the year. The total cost for this treatment was Rs. 1,450.

(c) Scraping of the 24" Tulsi Main—The 24" Tulsi main between Tulsi and Bandra was scrapped and during this process the connections were transferred from the Tulsi main on to the Tansa West. The cost was met from the grant under Materials for General Works and Repairs Outside Bombay.

(d) Repairs to embankments and laying additional pitching at mile 29.2 in Kasheli Division : About 83,400 cubic feet of earth filling and 37,000 square feet of stone pitching were carried out at a cost of Rs. 8,440 in the portion of the embankment which was washed away during the rains.

(e) Repairs to embankment and trolley track at Kasheli—miles 31/2152 and 32/2735 in the Bassein Creek Syphon. About 129,710 cubic feet of earth filling and 65,200 square feet of stone pitching were carried out at a cost of Rs. 16,245.

(f) Patch-plating the leaks on steel mains—About 60 square feet of 3" thick patch-plates were welded to the badly corroded portion of the 72" steel mains in Jamboli and Kasheli Divisions. About 70 r.ft. of welding was done.

(g) Strengthening the expansion joints on steel mains—The expansion joint in the collapsed portion of the 72" East Tansa mains near Bhandup was removed for re-conditioning and a service strake was welded in its place for the time being.

(h) Strainers for Tulsi—No work could be carried out as materials were not available.

(i) Re-painting the Old Bassein Creek Bridges Nos. 1, 2 and 3 in Kasheli Division. Bridge No. 3 was painted at a total cost of Rs. 3,000.

(j) Repairs to solution tanks at Bhandup—A number of experiments were carried out without success with different materials to find out which material would resist the action of the chlorine solution (1: 1500). Further experiments are in progress.

(k) Repairing the embankment carrying the 48" Vekar Mains between Thana Road Cabin and Hall Bridge. 12,000 cubic feet of earth work and 7,000 square feet of stone pitching were done at a cost of Rs. 1,670.

(l) Repairing the embankment carrying 57" steel mains at Vakola—11,000 cubic feet of earth work and 9,000 square feet of stone pitching were done at a cost of Rs. 2,000.

(m) Repairing the embankment carrying 48" Old and New Tansa mains between Kirol and Katchra Cabins—11,500 cubic feet of earth work and 7,300 cubic feet of rubble packing were done to improve this embankment, at a cost of Rs. 2,000.

(n) Replacing unserviceable ebonite balls of the air valves—An order for ebonite balls was placed with Messrs. Garlick & Co., but the materials were not received in the year.

(o) Replacing the defective scour valves—The scour valves were received late in the year and therefore fixing could not be done during the year.

41. Considerable difficulty was experienced in getting castings and several works involving the use of Castings. castings had to be done either towards the end of the year or left undone.

#### V.—DISTRIBUTION BRANCH.

42. For the purposes of the distribution of water, the City was divided into 3 main divisions, (i) South and West (ii) East (iii) North. The South and West of the Island were served by the Malabar Hill Reservoir which has a storage capacity of 30.5 million gallons, i.e., an equivalent of about 24 hours' supply. The high level areas of Gibbs Road, Carmichael Road and Altamont Road were served through the 60,000 gallons capacity elevated tank at Malabar Hill Reservoir to which water is pumped by 4 electrically driven pumps (2 of 40 H. P. each and 2 of 26 H. P. each). A portion of the East of the Island was served by the Bhandarwada Hill Reservoir which has a storage capacity of 20 million gallons, i.e., an equivalent of about 17 hours' supply. In the high level localities of Dongri and Mandvi, the pressure was boosted up by 2 electrically driven pumps of 75 H.P. each situated at the Bhandarwada Hill Reservoir. The high level R.C.C. Reservoir on the top of the Bhandarwada Hill is under construction. The North of the Island was served directly from the Trunk Mains in the absence of the service reservoir in the north of the Island. A scheme estimated to cost about Rs. 60 lakhs for providing balancing reservoirs on the Worli and the Rowli Hills to serve the North of the Island was submitted to the Corporation in 1939, but its consideration has been deferred pending the decision on the question of augmentation of water supply.

43. For the Fort, Colaba and Back Bay areas the supply was restricted for 6½ hours from 9.30 A.M. to 4.00 P.M. (B.T.) from 1st April to 30th August 1942, and for 6½ hours from 8.30 A.M. to 3.00 P.M. (B.T.) from 1st September 1942 to the end of March 1943. Supply to Dhobi Talao, Girgaum and Thakurdwar areas was restricted for 14½ hours from 9.30 A.M. to 4.00 P.M. and 7.00 P.M. to 3.00 A.M. (B.T.) from 1st April to 30th August 1942 and for 14½ hours from 8.30 A.M. to 3.00 P.M. and 6.00 P.M. to 2.00 A.M. (B.T.) from 1st September 1942 to the end of March 1943. A constant supply was maintained in Walkeshwar Road from its junction with Ridge Road to the Government House upper and lower Gates and also in Malabar Hill lower portion, as these areas are served by 12" Syphon main from the reservoir and it is not possible to regulate the supply in this main for fear of air locks. The areas of Gibbs Road, Carmichael Road, Pedder Road, Warden Road, Gowalia Tank Road, Forjet Street and Altamont

Road were supplied with water for the same period as that of Dhobitalao, Girgaum and Thakurdwar areas. The areas of Nepean Sea Road and Narayan Dabholkar Road were supplied with water, constantly through the 6" Nepean Sea Road outlet main from the reservoir and the supply was not regulated as the main is not sufficient to build up pressure during peak load periods, if regulated. Proposals for enlarging this outlet main to enable proper regulation of water supply have been sanctioned by the Corporation and the work was in progress during the year under report. The supply to the areas served by the Bhandarwada Hill Reservoir was restricted for 14½ hours from 9.30 A.M. to 4.00 P.M. and from 7.00 P.M. to 3.00 A.M. (B.T.) from 1st April to 30th August 1942 and for 14½ hours from 8.30 A.M. to 3.00 P.M. and 6.00 P.M. to 2.00 A.M. (B.T.) from 1st September 1942 to the end of March 1943. The hours of supply to the North of the City were restricted for the same periods as in the case of Dhobi Talao, Girgaum, Thakurdwar and Bhandarwada Hill areas.

44. The Assistant Engineer in charge of Distribution together with Assistant Engineer, Waste Prevention and the other staff gave immediate attention to every fire throughout the year. The total number of fire calls received from the Fire Brigade Department and attended to was 667 as against 516 during the previous year. 190 of these calls were false and the total quantity of water used on fire as well as on the way when the supply was turned on 136 million gallons. The water supply in each case was regulated according to the needs of the situation and sufficient supply at high pressure was made available in every case.

45. Four direct exchange lines were maintained two at the Babula Tank Control room, one at the Bhandarwada Hill Reservoir and one at Futka Tank and the various reservoirs and wards in the City had 11 extensions from the Babula Tank Exchange. Besides, 9 exchange lines for residences and 4 for offices were maintained and the total cost during the year for these lines along with the cost of 6 telephone exchange lines mentioned in paragraph 30 was about Rs. 7,252.

46. There are 103 drinking fountains, 53 cattle troughs and 54 stand pipes in the City which were open to the general public throughout the year and were maintained in a clean condition. Repairs to the fountains, cattle troughs and stand pipes were carried out departmentally, at a total cost of Rs. 880.

47. There are 16 Municipal wells out of which 8 are hermetically sealed, while water was allowed to be used from 3 wells. Municipal wells along with other wells in the City were provided with suitable manhole frames and covers and top slabs repaired where necessary, with a view to making the well water available for domestic use as an alternative source of water supply in case of damage to water mains or water works by enemy action.

48. The gardens along the slopes of Gibbs Road and Ridge Road, Sir Pheroza Shah Mehta Gardens at the Malabar Hill Reservoir and Joseph Baptista Gardens at the Bhandarwada Hill Reservoir were maintained during the year at a cost of Rs. 5,150 (materials only). All the gardens were open to the public, throughout the year.

49. The number of cases reported to the Standing Committee for severing water connection for non-payment of taxes was 275 as against 324 in the previous year. Disconnection orders were however, issued in 249 cases only out of which in 207 cases they were not enforced owing to the requirements having been complied with. In 28 cases supply was closed and subsequently restored on compliance with the requirements. 14 cases were either in hand for being attended to or had their supply closed and not restored.

50. 394 prosecutions were launched before the Honorary Presidency Magistrates for infringement of the provisions of the Municipal Act and for violation of the Bye-laws relating to Water Works during the year under report. The number of convictions was 196. Out of these 102 cases were heard in Esplanade Court and the amount of fines recovered was Rs. 750; and 94 cases were heard in Mazagaon Court and the amount of fines recovered was Rs. 5,200.

#### VI.—WASTE PREVENTION BRANCH.

51. The total length of water mains tested for leakage by Deacon Meters was 313 miles and 4,646 feet as against 419 miles and 3,425 feet during the previous year. The length of mains tested this year was less as one gang from this Branch had to be utilized for regulation of Sluice Valves. The total length of mains of all sizes tested by soundings was 104 miles and 4,963 feet as against 133 miles and 2,604 feet during the preceding year. The length of the mains sounded was less, as some special soundings of short length and spot soundings were carried out for detecting wastage. The total cost of testing mains and investigating leakage was Rs. 862 during the year.

52. 10,138 defects in the distribution system were detected and repaired, of which 6,643 were underground and 3,495 aboveground. Particulars of defects detected and remedied, the number of diagrams taken and wastage checked during the year is given in Appendix "E". The number of notices issued to owners of private premises for defects in water fittings was 2,373.

#### VII.—METER BRANCH.

53. The special staff sanctioned by the Corporation for meter inspection work was continued during the year under report. The total revenue derived from water supplied by meter measurement was Rs. 51,96,163, during the year, which shows a net increase of Rs. 8,32,161, over the previous year. This was partly due to more rigid inspection of meters and partly due to more demand for water for industries. The increase in revenue in the former case on account of new meters fixed on various trade connections which were formerly unmetred during the year and on account of meters exchanged for periodical test amounted to Rs. 37,034. The cost of additional staff during the year amounted to about Rs. 17,472.

54. 3,010 Meters of sizes varying from ½" to 6" were maintained from the grant under 'Meters', during the year at a total cost of Rs. 20,049 which included the cost of maintaining Venturi meters, 275 meters were replaced by new meters and 470 meters were repaired during the year. Meters were fixed on 210 new connections and 103 meters were removed from the existing connections as the properties fed from these were charged on valuation basis.



A majority of meters are very old and require to be replaced. The Corporation have approved the proposal of replacing the existing worn out meters at a cost of Rs. 3 lakhs and a provision of Rs. 35,000 was made in the Budget under Loan Funds. Out of this provision, 302 Semi Rotary Positive type meters ranging from sizes  $\frac{1}{2}$ " to 8" were ordered out, but only 274 meters were received by the end of the year under report, on account of the present war conditions. In addition to this, 11 meters were purchased at a cost of Rs. 2,828 from the Revenue grant under Meters.

The total revenue derived from the hire of meters was about Rs. 79,481 showing a net increase of Rs. 1,881 over the previous year's figure.

### VIII.—MAINTENANCE BRANCH.

55. The repair works pertaining to the Water Works were carried out in the Workshop attached to the Maintenance Yard at DeLisle Road which comprises different shops such as Meter shop, Testing shop, Machine shop, Painter shop, Smithy and Carpentry shop etc. Ordinary repairs to the machinery and plant such as steam, electric and petrol pumps, electric Sluice Valves, Motor lorries, Tractors, Chlorine Plant, Compressor units etc. were carried out there. About 150 welding and cutting jobs were carried out with the sight feed acetylene set.

56. 4 pumping sets for the Malabar Hill Reservoir Control Room, 2 pumping sets for the fountain arrangement at Sir Pherozshah Mehta Gardens, 1 pumping set for septic tank attached to the Malees' quarters at the Malabar Hill Reservoir, 2 pumping sets at the Control Room at the Bhandarwada Hill Reservoir and 1 pumping set for watering Joseph Baptista Gardens were maintained during the year at a total cost of Rs. 11,680 including energy charges.

57. 369 miles of water mains (57"-11 $\frac{1}{2}$ " miles; 48"-13 $\frac{3}{4}$ " miles; 36"-4 miles; 32"-12 $\frac{3}{8}$ " miles; 30"-4 $\frac{3}{8}$ " miles; 28" $\frac{1}{2}$ " mile; 27"-7 $\frac{1}{2}$ " miles; 26"- $\frac{3}{4}$ " mile; 24"-24 $\frac{1}{2}$ " miles; 22"-1 $\frac{3}{4}$ " miles; 21"- $\frac{3}{4}$ " mile; 20"- $\frac{1}{2}$ " mile; 19"- $\frac{1}{8}$ " mile; 18"-7 $\frac{1}{4}$ " miles; 17"- $\frac{1}{4}$ " mile; 16"-1 $\frac{3}{8}$ " miles; 15"-4 $\frac{1}{2}$ " miles; 14"-2 $\frac{1}{2}$ " miles; 13"- $\frac{3}{4}$ " mile; 12"-21 $\frac{3}{4}$ " miles; 11"- $\frac{1}{4}$ " mile; 10"-1 $\frac{5}{8}$ " miles; 9"-36 $\frac{3}{4}$ " miles; 8"-4 $\frac{1}{4}$ " miles; 7"-5 $\frac{3}{8}$ " miles; 6"-107 miles; 5"-43 $\frac{1}{2}$ " miles; 4"-29 $\frac{3}{8}$ " miles; 3"-20 $\frac{1}{4}$ " miles (including hydrant mains) were maintained during the year. There were 25 bursts on various mains (Appendix 'F') which were repaired promptly.

58. The total number of water connections to different premises in the City was 51,222, i.e., a net increase of 686 over the last year's number. The number of new water connections laid by the Maintenance Branch during the year was 762 against 2,134 during the preceding year. 76 connections were disconnected on account of demolition of old buildings and for various other reasons. The cost of materials for 113 connections was met by the Municipality and debited to the grant under "Materials for General Works and Repairs in Bombay" and the cost of road repairs for these connections was met from the grant under "Repairs to Roads over trenches". 487 works of giving connections, etc., to private parties were carried out at their cost amounting to about Rs. 20,290.

59. The repairs and paintings to 15 out of 36 buildings of the Water Works Department within the City were carried out at a total cost of Rs. 7,649.

60. 7,532 trenches, each varying in length from 5' to 100' were excavated for trial pits and general repairs and maintenance works all over the City. All the trenches were restored through the City Engineer's Department at a cost of Rs. 35,771.

61. Five motor lorries and 22 hand trucks were maintained during the year for transport of materials, etc., at a cost of about Rs. 9,000. The total mileage covered by the motor lorries during the year was 29,900 miles, the cost per mile being 5.33 annas. 19 rubber tyres and tubes for the existing motor vehicles were required to be replaced, and a work order for the purchase was placed with the Municipal Mechanical Engineer, but the purchase could not be effected during the year, as the necessary permit could not be obtained from the Provincial Rationing Authority.

62. The testing of galvanised iron pipes ( $\frac{1}{2}$ " to 4"), cast iron pipes (3" to 48"), galvanised iron fittings such as couplings, bends, tees, elbows, etc., brass and gunmetal fittings, such as ferrules, stop and bib taps, waste-not taps, ball taps, pillar taps, glove taps, 3" to 30" sluice valves, underground and standpost hydrants, cast iron and porcelain water closet cisterns with their fittings, canvas hose pipes, etc., was carried out during the year at Chinchpokli Workshop. The total number of such fittings tested was 83,325 and the revenue derived therefrom was Rs. 3,359. Due to the difficulty of obtaining galvanised iron pipes and fittings, the landlords were allowed, as a special case, to use second-hand pipes and fittings, provided they were of approved quality. About 1,113 used galvanised iron pipes and 545 fittings were received for test during the year, of which 67 and 59, respectively, were rejected after test, and the rest were accepted.

63. Special staff consisting of 1 Sub-Overseer, 2 Plumbers and 6 coolies sanctioned by the Corporation was continued during the year on the temporary establishment. During the year, 2,672 houses were inspected for detection of chokes and 694 connections were cleaned at a total cost of about Rs. 1,800.

64. With a view to improving further the water supply in G Ward, the work of providing a 12" cross-connection with 57" Tansa and 24" Tulsi mains at DeLisle Road junction of Carol Bridge was taken in hand in the latter part of the year, and the work was in progress. The estimated cost of the work amounts to Rs. 4,125.

65. The total cost of materials under "Materials for General Works and Repairs in Bombay", for works included in paragraphs 55, 57, 58, 63 and 64 amounted to about Rs. 44,986.

### IX.—CONSTRUCTION BRANCH.

(Loan and other Works).

66. From Loan Funds, works were carried out as per details given in Appendix "H". The total expenditure during the year amounted to Rs. 7,09,544. 242 house connections were transferred to new mains and 78 fire hydrants with 897 running feet of 3" cast iron pipes were installed. 7 works were carried out on behalf of public bodies at their cost as per details given at the end of Appendix "H".

67. New works as per details in Appendix "I" were carried out from New Works grant at a total cost of Rs. 24,140. The reasons for not carrying out and completing the works are given in the remarks column.

### X.—SURVEY AND DESIGN BRANCH.

68. Several schemes for the improvement of water supply in general and for the affected localities in particular were designed during the year. 149 estimates for provision and enlargement of water mains and other works amounting to over Rs. 55.60 lakhs were prepared during the year. The number of tracings and blue prints prepared during the year was 216 and 2,798 respectively.

**Preparation of Plans and Estimates.**

69. Statements and reports for (1) Lake levels, (2) Storage of water in lakes, (3) Discharge through trunk mains, (4) Rainfall in different districts, (5) Leaks in the Tansa Dam, (6) Bacteriological and chemical analysis of water, (7) Temperature of water, (8) Short supply complaints, (9) Chlorine and ammonia dosages, (10) Exhaust water from Hydrostats, (11) Pressure charts, (12) Venturi meter discharges, (13) Lake, outlet well and Reservoirs level charts and (14) Vaitarna River Gaugings were maintained during the year under report and these statements for Nos. (1), (2), (3) and (4) were submitted to the Corporation every month and during the monsoon every week.

70. 1,162 cases of extra charge for water used for the purposes of construction were framed as against 1,708 in the preceding year, resulting in a total revenue of about Rs. 51,600 as against Rs. 1,01,600 in the preceding year. The decrease was due to reduced building activity in the City due to war conditions.

**Extra Charge for Water used for Building Purposes.**

71. With a view to bringing the records of the water mains and fittings up to-date, the Standing Committee sanctioned a special staff for carrying out the survey of the water mains. The work was taken in hand in April 1940 and by the end of the financial year, about 334 miles of mains of different sizes were surveyed and marked on sheets with all the fittings appurtenant thereto. The work is still in progress.

**Survey of Water Mains.**

72. 7 Theodolites, 19 levels, 4 optical square, 2 prismatic compass, 2 plani-meters, 5 staves, etc. were maintained during the year at a total cost of about Rs. 95.

**Repairs to Survey Instruments.**

### XI.—WORKS OF INTEREST.

73. The remaining work of the previous year's contract with Messrs. John Fleming & Co., Ltd., for treating the upstream side of the Tansa Dam with 2" thick reinforced gunite was completed by the end of June 1942. A total area of 1,36,000 square feet was treated and the result was satisfactory. No further work was done during the year, though the tender of the same firm was accepted, on account of the difficulty of transport and obtaining materials, such as cement and steel fabric. The work of laying a new trolley track along the toe of the Tansa Dam was taken in hand and during the year under report, about 8,000 running feet of embankment, about 5,000 running feet of trolley track and one bridge 120 feet long with 9 spans were completed. At one place rock had to be removed by blasting, for a length of about 200 feet and an average depth of 15 feet to the full width of the track of 10 feet. The expenditure booked during the year was Rs. 1,09,569.

**Repairs to the Tansa Dam.**

74. As many details had to be collected for the preparation of plans and estimates for each of the items enumerated in the Pitometer Survey Report, it was decided to hold the matter over for the duration of the war for the following reasons:—

**Pitometer Survey.**

(a) Estimates prepared at the present abnormal high rates would not hold good on the return of normal conditions.

(b) Materials required for the works would not be available. The special staff (3 Sub-overseers and 3 peons) appointed for taking Pitometer gaugings for improving the distribution system was continued during the year. Gaugings were taken on (a) distributary mains in the districts from which general short supply complaints were received (b) trunk mains and (c) on the inlet and outlet mains from the service reservoirs and very useful and interesting information was collected and the distribution system was regulated accordingly.

75. The Veihar Lake was constructed in 1860 and since then it appears that no attempt was made to clean the area which is alternatively exposed to wetness and dryness on account of which abundance of rank vegetation and other wild plants thrive therein. It is observed that this rank vegetation when submerged in water decays and acts as food for the algae. It was therefore necessary to remove rank vegetation from this area. The work was accordingly sanctioned by the Corporation in November 1941 at an estimated cost of Rs. 50,000. After the necessary funds were sanctioned, the work of clearing the rank vegetation which was partially carried out during the previous year was continued during the year under report and rank vegetation was removed from an area of about 32 million square feet. Labour to the extent of 750 persons per day was employed. About 370 concrete pillars were fixed on the 264.5 T.H.D. contour line to demarcate the full supply level. The outlet bay wall was strengthened by filling in concrete in crevices where necessary, the total concrete used being about 23 brass. To enable water to be drawn from the lowest outlet to the fullest extent, the bed of the channel was lowered by about a foot to 230 T.H.D., the lowest outlet valve level being 230.5 T.H.D. Rock had to be removed by chiselling and the bed was made uniform by filling in cement concrete where necessary. At some places, the slope of the embankment was pitched with stones down to 230 T.H.D. The total pitching work done was 20,400 square feet. The catch water channels at Dababi and Sonar which were heavily silted were cleaned and their banks repaired where necessary. To prevent rank vegetation growing on the top of the dam and to make it watertight, the top surface was concreted by laying a 3" thick unreinforced slab (1 : 3 : 6) 24 feet wide to a length of 755 feet. The work of checking was continued and finished during the year. The expenditure incurred during the year was Rs. 44,992.

**Cleaning of Veihar Lake.**

76. The Hydraulic Engineer got in touch with the Fisheries Officer of the Government of Bombay and in consultation with him it was decided to introduce Gourami, fish which is known to thrive on algae and larvae shell-fish. This fish was originally imported from Java. It is fairly big in size very quick moving and on account of the peculiar scales on its back, it does not make comfortable eating for crocodiles. About 200 fishes of this variety were introduced into the Tulsli lake in 1941-42. The results so far have been found encouraging, as the

**Gourami Fish in the Tulsli Lake.**

bad smell at some places on the outskirts of the lake on account of decay of algae and other vegetable matter has considerably diminished.

77. The work of constructing an elevated tank at the Bhandarwada Hill was entrusted to Messrs. M. L. Dahanukar & Co., at a cost of about Rs. 84,350 during the previous year. The work of constructing the Bhandarwada Hill Reservoir was started in that year and was continued during the year under report. It could not however be completed during the year under report due to the difficulty of obtaining materials. One 30" bell-mouths were fixed. Scour and overflow pipes were laid and connected to the existing open drain. Works of laying rising and outlet mains and suction mains from the three compartments of the reservoir were continued during the year. Heavy rock cutting to the extent of 170 brass had to be done by chiselling. The expenditure booked during the year was Rs. 84,766.

78. About 37 running feet of 57" steel main at Sleater Road were treated with 2" thick reinforced gunite Encasing the 57" main on the same lines as last year. The total expenditure booked during the year in Sleater Road. was Rs. 18,497.

79. No progress was made in the acquisition of the site of Khardi Village which falls within the Tansa Catchment area on account of the problem of water supply to the villages at a new site. A proposal has been received from Government stating that in view of the difficulties involved in the acquisition of Khardi Village and on account of the distance of the village site from the lake area it may be considered whether the acquisition of the village is absolutely necessary. This is under consideration. The expenditure booked during the year was Rs. 642.

80. All the materials for raising the mains which were indented in the previous year were not received and therefore, the work of raising the pipes could not be taken up during the year. Repairs to 57" Steel Mains in Bandra Creek. The work of providing 140 channels and 970 running feet of welding patch plate which was entrusted to Messrs. Garlick & Co., was however completed. The expenditure booked during the year was Rs. 28,191.

81. Advantage was taken of the low level in Vehar Lake for fixing the screens in the inlet bay and the whole work was completed except for one set of screens as wire ropes were not available. Providing Screens to the Inlet Bay of Vehar and the Outlet Well at Tansa. The work of fixing the screens at Tansa had to be postponed, as a sufficient quantity of water could not be brought through the 72" mains, the Duct Line being out of commission for practical purposes on account of the repair work to the Old Kasheli Bridge No. 2 not being completed. The expenditure booked during the year was Rs. 16,875.

82. Incidental works of restoring the embankment (129,708 c.ft.) stone pitching (65,184 sq. ft.) shifting the two 48" sluice valves from the old Kasheli Bridge No. 2 to Kasheli Anchor Block, building a new sluice house, converting the two hydraulically operated sluice valves into hand-operated ones at Kapurbawdi and providing 24" cross-connections between the two 72" and 48" and 50" syphon mains on the upstream side of Kasheli Anchor Block were completed. The work of connecting the two cross-connections on the upstream and downstream side of Kasheli Anchor Block was in progress at the end of the year. Shop fabrication of the 200' span of the Kasheli Bridge No. 2 was completed and the various members of the frame work were transported to the north bank of the Creek, and assembly and field-welding works were in progress at the end of the year. The steel mains were used as floats by blank flanging their ends. The work was delayed on account of difficulties of transport and getting materials. This work was, however, given military priority and had it not been for the help given by the A. R. P. and military authorities, the work would not have progressed even to this extent. The expenditure booked during the year was Rs. 83,987.

83. As it was observed that the steel mains were badly corroded in places where they came in contact with the soil, a proposal involving a cost of about Rs. 10 lakhs was submitted to the Corporation for sanction for supporting all the steel mains on concrete blocks, so that they can always remain exposed and the whole circumference of the pipe could be painted with ease. As an experimental measure, the Corporation sanctioned the scheme of providing concrete blocks to the extent of Rs. 1 lakh and accordingly a provision of Rs. 20,000 was made in the Budget. Out of this amount 44 concrete blocks were provided under the 72" steel mains at Kasheli in mile 28/6 and 7 furlongs and 30 blocks near Bandra Anchor Block under the two 57" steel mains. The pipes were badly corroded at these places. The actual cost of one double block under the 72" main worked out to Rs. 270 and that under the two 57" main to Rs. 230 inclusive of pitching, drainage, etc. The expenditure booked during the year was Rs. 18,416.

84. As the two 48" Tansa and one 32" Vehar mains are laid under the creek at a depth of about 25' and as these mains have shown signs of leakage, a proposal of removing the embedded portion of the pipes and laying them over the existing piers of the bridge by extending them where necessary was approved by the Corporation under their Resolution No. 113, dated the 5th May 1941 and a provision of Rs. 10,000 was made in the Budget. The work was taken up late in the year and about 95,000 c.ft. of earth work has been done at the approaches to the bridge and the work was in progress at the end of the year. The expenditure booked during the year was Rs. 5,915.

85. With a view to facilitating the crossing of Municipal trolleys across the G. I. P. Railway track, a special jumper crossing was designed and an order has been placed with the G. I. P. Railway for preparing the same. The expenditure booked during the year was Rs. 2,936.

86. The Experts appointed in the previous year by the Corporation to examine the Schemes referred to in the Hydraulic Engineer's Report on the augmentation of the City's Water Supply and to submit their recommendations were engaged during the year in examining the materials collected by the Hydraulic Engineer. A special staff appointed for the purpose carried out preliminary surveys and collected the details required by the Committee and all the other information required by them from time to time was furnished. The Committee met on two occasions during the year for discussion of various points with the Municipal Commissioner and the Hydraulic Engineer and visited the sites at Ghatkopar, Bhivpuri, etc. The expenditure booked during the year was Rs. 27,134.

87. In order to supply water to the Military Camps, one 8" diameter Hume steel pipe line was laid with necessary valves and fittings along the Andheri Kurla Road (1½ miles), B. B. & C. I. Railway limits between Andheri and Malad (4½ miles), Malad-Marve Road (4 miles) and Marve-Madh Road (5 miles) at the request and cost of the Government

of India, Defence Department. The work was completed in about three months' time including the survey. The supply will be given from the Municipal mains at the junction of the Andheri-Kurla Road through a 6" meter, the connection having been made to 24" Tulse and both the 57" East and West mains in order to ensure the supply at all times. The expenditure booked during the year was Rs. 29,943.

88. The Corporation under their Resolution No. 811, dated the 8th January 1942 sanctioned the proposal of encasing the existing piers in cement concrete and renewing the super-structure at a cost of Rs. 51,941. The work was entrusted to Messrs. Garlick & Co., but it could not be taken in hand during the year on account of certain objections from the Chief Engineer, B. B. & C. I. Railway due to the close proximity of the Municipal bridge to the Railway bridge.

## XII—MEASURES FOR CIVIL DEFENCE—PROTECTION OF WATER SUPPLY SYSTEM.

89. (a) The construction work of the static tanks was entrusted to Messrs. Hindustan Construction Co., Ltd., Bombay. During the year 87 tanks were constructed and handed over for maintenance to the Officer Commanding, Fire Services. Two existing tanks—one at the B. D. D. Chawls at DeLisle Road and the other at Elphinstone Circle were repaired and reconducted for being utilised as static storage tanks for fire-fighting purposes, bringing the total number of tanks constructed so far to 104.

(b) 5 tube wells were completed by Messrs. Amreliwala Pump Supply Co. and 4 by Mr. Alladin Virjee Nathani. The work of boring at the remaining 3 sites was abandoned as the results obtained at the 9 tube wells were not encouraging. Each well was sunk to an average depth of about 100'. The diameter of the bore in the soft strata was 10" which was reduced to 8" in hard strata. Casting pipes were inserted in soft strata. 17 yield tests were carried out, of which 14 were done by compressed air. In two cases the yield was tested by hand pump and in one case it was measured by deep well pump. From the experiment it appeared that only surface contaminated sweet water could be tapped and that the yield was limited, about 600 to 1,000 gallons per hour.

(c) About 1,190 closed wells were re-opened during the year making a total of 1,390 wells in all, and 1,500 manhole frames and covers were provided to serve as openings for drawing water. In those localities in which there were no wells to be opened, it was decided to excavate about 120 filled-in wells. During the year about 109 such wells were excavated and 330 manhole frames and covers were provided for them. 10 Municipal wells situated in open spaces like maidans, etc., were provided with pumping arrangement and near them concrete tanks of 5,000 gallons capacity each were constructed 2' above-ground level with 24 taps to each tank.

(d) Samples of water from wells which were opened or excavated were analysed by the Health Department and 766 wells whose water was found to be unfit for potable purposes, were dewatered.

(e) A water rationing scheme was prepared and forwarded to Government but on account of improvement in the war situation, no action has been taken on the report.

(f) The Corporation and Government had sanctioned the proposal of making 9 cross connections at a total cost of Rs. 1,70,515, the cost of which is to be shared between Government and the Corporation. Works at 2 places were completed and while they were in progress at the other places at the end of the year. The remaining works could not be taken in hand on account of the difficulty of obtaining materials.

(g) A. R. P. measures were taken to protect 17 vital structures.

### Protection of Vital Structures.

(h) Orders for the supply of C. I. pipes, castings, steel, specials, sluice valves, pumping units, motor trollies, cycles, steel cupboards, fire-fighting equipment, etc., estimated to cost about Rs. 1,83,533 were placed with different contractors, but very few materials were received during the year.

(i) Arrangements were made to accommodate 150 people in the City in private buildings which have been requisitioned so that they could be available at a moment's notice, in case of emergency. In the outside City Division, 13 quarters were constructed for accommodating emergency units.

(j) The total cost of Rs. 2,66,553 for items in (a) and (e) was borne by Government while the cost of Rs. 12,864 for items in (h) was borne by the Municipality and the cost of Rs. 7,18,564 for items (b), (c), (d), (f), (g) and (i) was shared equally by the Municipality and

Government.

## XIII.—GENERAL.

90. In addition to the staff already provided with housing accommodation pucca quarters for the labour staff were constructed during the year at the following places:—

2-Units at Jamboli, Kiravali, Pogaon and Powai Anchor Blocks, 2-Units at Andheri-Marol Road near Venturi House; 2-Units near Powai Chlorine Storage; 6-Units at Sion Sluice House. The expenditure during the year amounted to Rs. 749.

91. The following machinery and equipment were ordered out during the year at the cost shown

New Plant, Machinery and Tools.	Rs.
1. Electric Blower Unit ... ..	1,072
2. Pressure Gauges and Recorders Outside City ... ..	1,625
3. Renewing the wheels and engine of one Motor Trolley ... ..	3,500
4. Electric power installation for the workshop attached to the Maintenance Yard ... ..	1,315
5. Pipe cutting Machine ... ..	1,400
6. Burst Alarms on Trunk Mains, Outside City ... ..	5,372
7. Hack Sawing Machine ... ..	1,355
8. 24" electrically operated sluice valve at the Bhandarwada Hill Reservoir ... ..	4,688

	Rs.
9. One Motor Lorry ... ..	4,500
10. Conversion of one pair of hydraulically operated sluice valves outside the City into hand-operated ones ... ..	4,950
11. 2 special 'R' type chlorinator panels at Powai Chlorination Plant ... ..	11,720
12. Fordson Tractor with pumping unit attached ... ..	4,000
13. Motor trolleys—2 Nos. ... ..	13,200
14. Fire-fighting sets. (15 stirrup pumps and 18 red hill sets) ... ..	900
15. Cycles—50 Nos. ... ..	4,650
16. Spares for cycles ... ..	600
17. Steel cupboards—7 Nos. ... ..	1,183

92. Books, Periodicals and Furniture of the value of Rs. 1,147 were purchased during the year.

**Books, Periodicals and Furniture.**

93. (a) *Revenue*.—The total expenditure incurred on Water Works amounted to Rs. 68,12,344 which includes Rs. 53,41,293 for interest, sinking fund charges, etc., for loans raised for Water Works, Rs. 2,86,096 for proportionate charges for General Superintendence

**Costing.** and Revenue Collection and Rs. 1,02,619 for Provident Fund and Pension charges. The total revenue derived from Water Works was Rs. 92,39,065 the excess of income over expenditure being Rs. 24,26,721. The average cost of water brought to the City including wastage and supplied to the Suburbs works out at annas 3 per 1,000 gallons.

(b) *Loan Funds*.—The total expenditure incurred during the year out of Loan Funds was Rs. 7,09,544.

(c) *Civil Defence*.—The total expenditure inclusive of works and staff incurred by the Municipality under Measures for Civil Defence during the year was Rs. 9,94,050.

(d) *Other public bodies*.—Works to the extent of Rs. 74,427 were carried out by the Department on behalf of Government, Bombay Port Trust, Military Authorities, and private parties.

E. A. NADIRSHAH,  
*Hydraulic Engineer.*

## APPENDIX "A".

Statement showing the quantity of water used for different purposes during the year 1942-1943.

Serial No.	Particulars.	No. of premises.	Quantity in m.gs.	Percentage.	Remarks.
1	Bungalows and Gardens	294	223	0.62	Metered.
2	Milch Cattle Stables	86	170	0.472	"
3	Other stables	36	48	0.133	"
4	Mills	76	2,287	6.349	"
5	Dyeing and Bleaching Works	40	608	1.68	"
6	Gymkhanas, Playgrounds, etc.	76	71	0.20	"
7	Race Course	1	75	0.21	"
8	Industries	555	683	1.89	"
9	Laundries and Dhobighats	59	45	0.12	"
10	Hotels	39	99	0.27	"
11	Flour Mills	8	13	0.04	"
12	Municipal properties	42	173	0.48	"
13	Government Properties	362	689	1.912	"
14	Railways	95	511	1.42	"
15	Bombay Port Trust	229	775	2.15	"
16	Suburbs	87	1,281	3.555	"
17	Buildings Works	1,119	52.7	0.146	"
	Total metered supply		7803.7	21.647	and estimated.
18	Road Construction, at 47 gallons per square feet	33,727 sq. ft.	1.6	0.004	Estimated.
19	Fire purposes	262	5.8	0.017	"
20	Leakage and other estimated losses through Municipal mains	10.58	3,807	10.56	"
21	Road watering and cleaning at 2 gallons per square yard	23.44 m.g.p.d.	46.8	0.13	"
22	Gully flushing at 180 gallons per gully	1,19,333 m.sq.yds.	21.5	0.06	"
23	Domestic	48,130	22,068.6	61.20	"
24	Miscellaneous, such as Drainage and Sewerage Works, Public Conveniences, Hospitals, Charitable Institutions etc.	1,751	2,300	6.382	"
	Total unmetered supply		28,251.3	78.563	
	Total quantity of water supplied to the City and suburbs during the year		36,055	100	

N. B.—Water was supplied free of charge in case of items Nos. 21, 22 and 24.

## APPENDIX "B".

Statistics of the Lake for 1942-43.

Serial No.	Particulars.	Tansa.	Vehar.	Tulsi.	Powai.
1	Distance from Bombay in miles by road	66	18	22	17
2	Lake area at F.S.L. in square miles	7.31	2.81	0.52	0.57
3	Total catchment area in square miles	52.5	7.32	2.61	2.58
4	Total rainfall in inches	114.94	89.29	111.23	94.15
5	Rainfall (percentage) as compared with preceding 5 years	+12.53	+1.24	+3.02	-0.45
6	Number of wet days	96	96	102	101
7	Number of days in which rainfall exceeded 1"	10	8	10	12
	Do. 2"	10	4	7	5
	Do. 3" and above	13	10	12	9
8	Maximum rainfall per day in inches	6.12	6.15	8.72	8.50
9	The lake commenced to overflow when the rainfall amounted to inches	57.33	No overflow	89.09	44.27
10	Number of days the Lake overflowed	57	Nil.	14	76
11	Full supply level of the lake in feet above T.H.D.	420.00	264.50	456.50	195.00
12	Lowest level reached during the year in feet above T.H.D.	390.58	230.64	430.31	185.34
13	Contents of the lake at full supply level in million gallons above the lowest outlet	35,604	9,120	2,294	1,200
14	Contents of the lake in million gallons between the lowest level reached during the year and the lowest outlet	6,677	24	537	337
15	Quantity of water required to fill up the lakes to full supply level from the lowest level reached in million gallons	28,927	9,096	1,757	863
16	Quantity of water that overflowed over the waste weir in million gallons	39,321	No overflow	952	2,799
17	Percentage of run-off into the lake from the catchment (in per cent.)	87.80	57.93	68.34	75.90
18	The total quantity of Water brought into the City and Suburbs during the year in million gallons	33,198	1,896	961	...
19	Total quantity of water brought into the City and Suburbs per day in million gallons	90.94	11.56	3.13	...
20	Total loss of water due to evaporation, leakage and absorption in million gallons during the dry period (243 days)	5,700	1,305	485	Not registered.
21	Average loss per day due to evaporation, absorption and other losses during the dry months in million gallons (243 days)	23.45	5.37	2.00	Do.

Note.—The rainfall in Bombay during the year as observed at the Colaba Observatory was 81.72".

APPENDIX "C".

Statement showing the quantity of water lost by evaporation alone at the lakes.

Month.	EVAPORATION IN FEET.				EVAPORATION IN MILLION GALLONS.			
	Tansa.	Vehar.	Tulsi.	Powai.	Tansa.	Vehar.	Tulsi.	Powai.
1942—								
April	0.676	0.524	0.494	Not recorded Do.	602.45	92.22	27.56	Not recorded. Do.
May	0.716	0.580	0.529					
June	} Not recorded—							
July								
August								
September								
October	0.270	0.320	0.323	...	333.47	105.60	30.36	...
November	0.437	0.492	0.510	...	513.82	158.91	43.86	...
December	0.380	0.483	0.527	...	424.27	151.17	43.21	...
1943—								
January	0.393	0.459	0.527	...	408.21	137.24	41.10	...
February	0.497	0.455	0.476	...	486.60	130.58	34.74	...
March	0.659	0.543	0.510	...	609.83	149.32	35.70	...
Total	4.028	3.856	3.896		3,967.70	1,025.38	284.13	

Grand Total — 5,277.21 million gallons in dry season = 21.7 million gallons per day.

APPENDIX "D".

Statement showing Rainfall and Vaitarna River discharge at Mangalpada near Tembha. (At the site selected for a pick-up wear).

Month.	YEAR 1930		1931		1933		1934		1935		1936		1937		1940		1941		1942	
	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.	Rainfall in inches.	Discharge in million gallons.
June	25.46	15,766.34	2.02	Nil.	17.11	22,270.52	17.99	12,387.18	22.18	9,524.91	24.90	24,253.44	28.36	23,964.77	17.98	14,345.80	9.65	6,185.07	25.11	13,870
July	20.11	117,625.07	73.93	98,844.03	24.86	44,789.95	29.15	69,166.19	35.72	76,630.71	27.30	62,316.18	58.52	122,371.27	46.75	77,545.61	58.62	80,777.57	65.31	1,27,195
August	10.58	46,897.30	25.62	88,620.82	39.51	110,497.42	31.68	81,995.56	16.70	66,233.10	17.32	49,610.04	9.14	29,975.14	36.81	79,623.20	16.31	40,459.13	18.55	54,670
September	18.09	50,395.96	14.17	34,324.84	26.39	54,509.48	12.04	23,659.63	17.40	40,891.41	16.97	43,051.97	25.94	48,271.90	11.69	27,059.62	5.22	9,004.88	17.84	44,605
October	1.31	8,113.15	18.92	47,917.44	3.16	7,175.74	2.29	3,575.65	5.06	4,050.87	0.05	2,636.89	2.04	6,595.27	10.97	20,225.63	3.62	1,905.33	...	7,968
November	Nil.	1,764.61	Nil.	1,033.30	Nil.	491.13	Not recorded	0.03	651.53	Not recorded	Nil.	831.00	Not recorded	Not recorded	Not recorded	Not recorded	Not recorded	Not recorded	Not recorded	Not recorded
TOTAL	75.55	240,562.43	134.66	270,740.43	111.03	239,734.24	93.15	190,784.21	97.09	197,982.53	86.54	181,868.52	124.00	232,009.35	124.20	218,799.86	93.42	138,331.98	126.81	2,48,308.00

APPENDIX "E".

Statement of Defects found on Mains and Service Pipes during the year 1942-43.

Month.	No. of diagrams taken.	Total leakage discovered and arrested in gallons per hour.	DEFECTS																		REMARKS.	
			UNDER GROUND									ABOVE GROUND										
			Mains		Sluice Valves.	Hydrants	Service Pipes.	Stop Taps.	Disconnected service pipes		Miscellaneous Holes in Mains, etc.	Bib Taps			Service Pipes		Ball Valves and Tanks					
			Bursts.	Joints.					Ferrule leak.	Pipe leak.		Re-washed.	Out of order.	Left open.	Leak-ing.	Without Tap.	Ball Valves out of order.	Tanks without Ball Valves	Tanks leak-ing.	Stop Taps leaking.		
1942—																						
April	63	142,433	2	6	63	180	136	38	...	...	1	287	22	...	38	2	70	43	46	14		
May	61	188,153	5	9	69	326	156	78	...	...	1	354	106	...	66	3	35	37	39	24		
June	75	149,213	3	15	55	243	111	41	...	...	...	317	83	...	58	1	25	24	37	11		
July	95	127,638	1	1	62	168	139	46	2	...	...	497	95	...	56	6	53	35	90	3		
August	83	145,451	2	4	86	191	144	33	2	...	...	340	97	...	43	1	46	69	28	5		
September	75	129,712	1	5	82	194	142	68	...	...	...	442	90	...	57	2	44	94	31	5		
October	86	167,174	1	11	108	316	171	72	...	...	...	442	90	...	82	10	55	97	44	7		
November	88	161,289	...	6	78	408	162	67	...	...	...	318	104	...	59	10	116	26	40	13		
December	75	177,928	1	9	95	251	160	71	2	...	...	482	95	...	60	7	26	20	33	25		
1943—																						
January	84	170,369	1	17	80	306	172	102	1	...	...	325	81	...	71	5	42	71	32	4		
February	76	187,496	2	17	82	271	138	71	...	...	...	274	53	...	46	6	19	36	33	1		
March	69	146,069	1	18	51	180	179	53	...	1	...	241	63	...	43	14	34	62	29	7		
Total	930	18,92,925	20	118	911	3,034	1,810	740	7	1	2	4,319	979	...	679	67	555	614	482	119		
Grand Total	930	18,92,925	6,643									4,319	3,495									



APPENDIX "F"  
Bursts during 1942-43.

	Date.		Date.
1. 3" main in Ghorupdeo Road	... 2-4-1942	14. 6" main in Haines Road	... 14-8-1942
2. 5" main in Sleater Road	... 18-4-1942	15. 3" main in Victoria Road	... 26-9-1942
3. 4" main in Frere Road	... 14-5-1942	16. 48" Tansa Lalbaug	... 16-10-1942
4. 8" main in Mahomedally Road	... 14-5-1942	17. 4" main in Proctor Street	... 28-11-1942
5. 3" main in Hornby Vellard	... 16-5-1942	18. 6" main in Ripon Road	... 14-12-1942
6. 6" main in Fergusson Road (Low Level)	... 21-5-1942	19. 6" main in Clive Road	... 24-12-1942
7. 5" main in Sleater Road	... 27-5-1942	20. 4" main in Hornby Road	... 8-1-1943
8. 3" main in Ridge Road	... 29-5-1942	21. 9" main in Sankli Street	... 11-1-1943
9. 3" main in Reay Road	... 1-6-1942	22. 4" main in Hornby Road	... 4-2-1943
10. 48" Tansa in Vincent Road	... 4-6-1942	23. 5" main in Sleater Road	... 27-2-1943
11. 6" main in Cotton Depot	... 20-6-1942	24. 4" main in Parel Government Gate Road	... 17-3-1943
12. 9" main in Bellasis Road	... 1-7-1942	25. 4" main in Timber Pond Road	... 23-3-1943
13. 3" main in Lamington Road	... 18-7-1942		

APPENDIX "G"

List of articles tested during the year 1942-43.

Name of Articles.	Number.	Name of Articles.	Number.
1. Bib-cocksgun-metal (push pillar and shower)	... 3,002	9. Hydrants S. P.	... 313
2. Stop cocks and sluice valves	... 2,735	10. Hydrants N.P.	... 39
3. Ball cocks	... 237	11. Hydrants O.P.	... 30
4. Ferrules	... 5,042	12. Water closet cisterns with and without ball valves	... 1,811
5. Pipes galvanized. average 20 R.ft. each	... 5,375		
6. Fittings	... 58,624		
7. Pipes C. I. Average 12 R.ft. each	... 1,341		
8. Special Castings	... 4,776		
		Total	... 83,325

APPENDIX "H"

Statement showing the works carried out from Loan Funds.

Serial No.	Particulars.	Ward.	Work done.	Expenditure booked during 1942-43.	REMARKS.
	<i>I.—Pipe laying works.</i>			Rs.	
1	(4") Connecting the 4" Bandra Slaughter House main to 24" Tulsī Main.	...	Trial pits	...	Work in progress.
2	(5") Enlarging the existing 3" and 4" water mains in Parel Chawl Road to 5".	E	579'-10"	7,936	Work completed.
3	Extending the 5" main in Falkland Road Low Level (North) to meet the 9" main in Sleater Road.	D	29'-9"	780	Work completed except within Railway limit.
4	Providing a 5" water main in Babula Tank Cross Road from 14" main in Babula Tank Road to meet the 6" main in Imamwada Road.	B	947'-0"	6,274	Work completed.
5	Laying a 5" water main in Road Nos. 19A, 19B, 19D in Sion Scheme No. 5.	F	1,268'-6"	9,015	Do.
6	Providing hydrants in roads where there are no hydrants or where additional hydrants are necessary.	D	5"=601'-0" 3"=46'-3"	6,698	Work in progress. 5" main laid in Khetwadi 13th and 14th Lanes.
7	Enlarging the existing 3" and 4" water mains in Jail Road South to 5".	B	620'-0"	5,940	Work completed.
8	Laying a 5" water main in Bhandup Street	B	247'-0"	1,157	Do.
9	Providing a 5" water main in Laburnum Road	D	188'-6"	430	Work incomplete for want of Sluice Valves.
10	Enlarging the existing 3" main in Arthur Road to 5" and extending the existing 6" main in Arthur Road to B. B. & C. I. Railway Lines.	E	2,008'-0"	5,519	Work completed.
11	Providing a 5" water main in Jambulwadi between Gigram Road and Kalabadevi Road.	C	265'-3"	1,441	Do.
12	Extending the existing 5" water main in Bhaskar Lane.	C	275'-0"	2,438	Do.
13	Providing a 5" water main in Shenvi Wadi and Pimpalwadi Lane from 6" main in Kandevadi to join it to 6" main in Muzbhat Lane.	D	420'-0"	3,624	Do.
14	Enlarging and extending the existing 4" main in Belvedere Road, Mazagaon.	E	7,028'-7"	5,911	Work completed to the extent of funds provided.
15	Laying 5" water main in Falkland Road 2nd, 3rd and 4th Cross Lanes.	D	997'-5"	9,796	Work completed.
16	Laying a 5" main in Ganeshwadi 1st Lane and enlarging and extending 3" main in Ganeshwadi 2nd Lane and connecting it with the proposed main in Ganeshwadi 1st Lane.	C	207'-0"	2,879	Work incomplete.
	Carried over Rs. ...			69,838	

Serial No.	Particulars.	Ward.	Work done.	Expenditure booked during 1942-43.	REMARKS.
	Brought forward Rs. ...			Rs. 69,838	
	Providing water mains with hydrants etc., in the layout of Roads in—				
18	Scheme No. 57, Sewri-Wadala, Road No. 1 ...	F	587'-4"	24,676	Work completed.
	Do. do. Road No. 1-A	F	314'-6"		Work in progress.
19	Do. do. Road No. 4 ... (6")	F	12'-0"		Work in progress.
20	Providing water mains in the lay-out of new Roads at Back-Bay Reclamation Scheme—Providing 6" main in Block No. 1.	A	819'-0"	7,596	Work completed.
21	Enlarging the 5" and 3" water mains in Lamington Road enlarging the 3" main in Topiwala Lane and Tara Temple Lane.	D	566'-2"	5,588	Work completed except cross connection and 9" main in Lamington Road.
22	Laying 6" main in 60' Road Ranade Road Extension, Bhandari Gully (Mahim District).	G	182'-6"	58	Work incomplete; Pipes not available.
23	Providing water mains in Road Nos. 1, 2, 8, 27, 27A and 29, Sion Scheme No. 6.	F	798'-6"	1,112	Do. do.
24	Enlarging and extending the existing 3" and 4" mains in Masjid Bunder Road from Jackaria Masjid Street to Narsi Natha Street to 6"	B	6"=655'-6" 5"= 7'-10" 4"= 21'-7" 3"= 9'-0"	7,875	Do. do.
25	Enlarging and extending the 4" main in Gas Works Lane, off Parel Road.	F	Trial Pits.		1,828
26	Providing water main with hydrants, etc., in the layout of Roads in Scheme No. 57, Sewri-Wadala, Road No. 10. (9")	F	4"= 66'-0" 3"=117'-0"	(Cost vide item 17-19)	Work in progress.
27	Enlarging the 5" main to 9" in Carmichael Road and extending it to connect the same to 6" main in Altamont Road.	D	840'-6"	8,086	Work in progress.
28	Providing an additional 9" main in Bhavanishankar Road.	G	305'-0"	3,908	Do.
29	Enlarging the 4" main in Sheikh Buran Kamoddin Street.	E	Trial Pits.	No. exp. booked.	Do.
30	Laying 9" main in the extension of Worli Sea-face Road and 60' Road parallel to it, Worli Scheme No. 58.	G	583'-0"	6,212	Work in progress. Work could not be continued as roads were incomplete.
31	Providing water main with hydrants in the layout of roads in Scheme No. 57, Sewri-Wadala—Road No. 14-A.	F	561'-0" 3"=120'-0"	for exp. refer Item Nos. 17-19	Work in progress.
32	Extending the 9" main in the East footpath of Vincent Road to meet the 24" Vihar Main in Matunga Road.	F	140'-2"	1,196	Work completed.
33	Providing a 9" main in Fore-shore Road, Back-Bay Reclamation Scheme. (12")	A	Trial pits.	3,987	Work in progress.
34	Providing a 12" main along the Western slope of Malabar Hill from Malabar Hill Reservoir to Nepean Sea Road.	D	663'-0"	10,357	Work in progress.
35	Laying water mains in Ex-Trust Dharavi Scheme (Roads C. G. and D.)	G	871'-0"	7,868	Work completed.
36	Providing 12" main in Vithalbai Patel Road from Charni Road to C. P. Tank Road. (18")	D	490'-4"	7,613	Work in progress.
37	Laying 18" main in 1st Marine Steret (24")	C	116'-10"	3,168	Work completed.
38	Laying a 24" main in Worli Road in continuation of 24" main in Haines Road.	G	2,176'-4"	61,835	Work carried out to the extent of funds provided.
39	Constructing 1½ million gallons capacity reinforced gunite elevated tank at Bhandarwada and laying 24" main and 27" inlet and outlet from elevated tank.	E	24"=1,161'-4" 27"= 427'-0" 15"= 123'-0" 12"= 41'-0"	84,766	Work in progress.
	II.—Other works.		Tank completed except guniting.		3,17,567
40	Conversion of underground hydrants into S.P. ones.	...	3"=43'-3" 8 hydrants fixed.	1,921	Programme of 1942-43 complete 8 hydrants fixed.
41	Providing additional hydrants and Sluice Valves in Dadar-Matunga Estate.	F	1 No.	No. exp. booked.	Work in progress.
42	Treating further portion of 57" main in Sleater Road.	D	37'=6"	18,496	Do.
43	Re-constructing the 2 portion of the trolley track along 48" Vihar Main.	...	...	121	Orders for materials placed but not received.
44	Guniting the Tansa Dam and providing trolley along the toe of the dam.	...	1,36,000 sq. ft. guniting. 5,000 R. ft. track laid.	1,09,568	Work carried out to the extent of funds provided.
45	Repairing and extending the trolley track in various syphons of the duct line Outside Bombay.	...	2,970 R.ft.	No. exp. booked.	Work in progress.
46	Providing concrete blocks under steel mains Outside City where they are badly corroded.	...	74 Blocks	18,416	Do.
47	Purchase of new meters	...	147 Nos. received.	9,029	302 Nos. ordered.
48	Providing 24" cross connection between trunk mains Outside City.	...	...	No. exp. booked.	Order for castings placed. Works not started.
49	Strengthening the spans Nos. 6 and 7 of the Old Kasheli Bridges with incidental works:—	...	Shop fabrication work.		Work in progress.
	(a) Embankment in Kasheli Creek	...	1,29,708 c.ft.	83,987	Work completed.
	(b) Shifting of Sluice Valves to Kasheli Anchor Block.	...	2 Nos.		Do.
	(c) Conversion of 2 hydraulically operated Sluice Valves.	...	2 Nos.		Do.
	(d) Providing 24" Bye-pass at Kasheli Anchor Block.	...	70 R.ft.		Work in progress.
	(e) Providing 24" cross-connection North and South of Kasheli Anchor Block.	...	80 R.ft.		Work completed.
	Carried over Rs....	...		2,41,538	

Serial No.	Particulars.	Ward.	Work done.	Expenditure booked during 1942-43.	REMARKS.	
50	Brought forward Rs. ... Cleaning the Vehar Lake ...	...	32 million sq. ft. of rank vegetation removed. 370 concrete pillars fixed. 20,400 sq. ft. of pitching work.	Rs. 2,41,538 44,992	Work in progress.	
51	Removing the embedded portion of 32" Vehar main and 48" New Tansa and old Tansa Mains over Swing Bridge at Kurla and relaying the same over the existing pier of the Bridge.	...	95,000 c.ft. of earth work.	5,915	Work in progress.	
52	Widening and raising the embankment, providing the trolley track and laying the new 57" steel main wherever necessary in Bandra Creek.	...	970 R.ft. patch plating.	28,191	Patch plating complete. For further work all castings and specials not received.	
53	Reconstruction of trolley track from Ghatkopar to Futka Tank.	...	4,870 R.ft.	No. exp. booked. 27,135	Work completed.	
54	Augmentation of City's Water Supply	...	Preliminary Survey.	...	Report submitted.	
	Total Rs. ...			3,47,771		
	Total I and II Rs. ...			6,65,338 44,206	Expenditure booked during the year for previous year's works.	
			Rs. ...	7,09,544		
<i>III.—Works carried out on behalf of other bodies.</i>						
55	Providing a 18" cross connection between 24" main in Kalachowki Road and 48" main in Parel Chawl Road (A.R.P.)	F	66'-6"	1,471	Work completed.	
56	Laying 9", 10" and 12" water mains in Mazagaon Pier work (Government Work).	E	9" = 7'-7" 10" = 132'-7" 12" = 110'-0"	841	Do.	
57	Providing 12" cross connection between 48" New Tansa and 15" main in Elphinstone Road (A.R.P.)	F	Trial pits.	2,071	Work in progress.	
58	Providing 24" cross connection in Fergusson Road between 32" Vehar and 57" Tansa Mains (A.R.P.)	G	1,051'-4"	38,518	Do.	
59	Laying 4" main in Parsi Bazar Street (C.E.'s Work)	A	57'-3"	488	Work completed.	
60	Laying 6" main in R. I. N. Dock Yard (Government Work).	A	887'-5"	6,988	Do.	
61	Providing 8" Water main for Maled and Madh (Military).	...	15 Miles	30,000	Do.	
62	Providing a cross connection between— 36" Malabar Hill Reservoir Inlet 36" Malabar Hill Reservoir Inlet 32" Malabar Hill Reservoir Inlet 32" Dhobitalao 30" Back-Bay 30" Thakurdwar	A.R.P....	D	Trial pits.	188	Work in progress.
63	Giving connections, etc., to private parties	...	487 Works.	20,290	Work completed.	
64	6" Steel main (Government of India)	...	28 Miles.	30,000	Do.	
	Total Rs. ...			1,30,855		

APPENDIX "I"  
(New Works)

Serial No.	Particulars.	Amount booked during 1942-43.	Remarks.
		Rs.	
1	Providing a 24" Sluice Valve and shifting the existing one on the 24" Tulsi main at Clerk Road. (1942-43)	3,506	Work completed.
2	Construction of open top masonry culvert to replace 12" diam. stoneware pipes for cross drainage (Estimate Rs. 9,790) (Part Provision). (1942-43)	2,810	Do.
3	Widening the two culverts carrying 9" Scour Valves in Khaling Syphon on each of the 50" and 48" mains. (1942-43)	900	do.
4	Providing Water-closets accommodation for the labour staff at Tansa (1942-43)	1,390	do.
5	Providing 2 units quarters for the Head Mali at Sir Pherozezshah Mehta Gardens. (1942-43)	2,240	Work in progress.
6	Painting the benches at Sir Pherozezshah Mehta and Joseph Baptista Gardens. (1942-43)	889	Work completed.
7	Construction of work shop and store room at Agra Road and Kapurbardi Yards in the Outside City Division. (1942-43)	2,727	Work completed to the extent of funds available, only at Agra Road.
8	Providing Gymnasium apparatus for Children's play-ground at Joseph Baptista Garden. (1942-43)	492	Work in progress.
9	Providing level crossing at Kurla Mankhurd Branch Railway. (1941-42)	2,737	Do.
10	Mounting of survey sheets. (1941-42)	335	Work in progress. 79 Survey sheets have been purchased and quotations are being invited for mounting the same.
11	Providing a 24" cross connection between 48" Vehar and 72" Tansa main at Powai (1941-42)	5,915	Work in progress.
12	Providing sluice valves on 24" Tulsi main near Elphinstone Road, Dadar Road and Mori Road. (1941-42)	...	Work not carried out as the Sluice valves and castings were not available.
13	Providing a 9" bye-pass connection on 48" Sluice Valve at Tansa for controlling the duct supply. (1941-42)	199	Work completed.

# BOMBAY FIRE BRIGADE.

No. F/2875/S.R. of 1943-44.

Bombay, 31st May 1943.

Subject: *Annual Report on the working of the Fire Brigade.*

**Calls.**—The number of calls totalled 717 as against 648 in the previous year. Of these 702 were received for 462 actual fires, 183 were false alarms and 57 were in respect of special services. In some cases more than one call was received for the same fire. The number of actual fires shows an increase of 49 over last year. Of the 183 false alarms, 102 were maliciously given (98 by fire alarms and 4 by telephones), 17 were given with good intent and 64 caused by electrical defects, etc.

**Fire Loss.**—The estimated loss on account of fire was Rs. 25,12,167, showing a decrease of Rs. 24,21,188 over the previous year, and Rs. 97,495 below the average of the last three years. Of the total loss during the year Rs. 20,41,149, represented insured property whilst the total property at risk was valued approximately at Rs. 5,96,51,257.

**Water Supply.**—The supply of water throughout the year for extinguishing fire was satisfactory and the attendance of the Water Department was prompt on all occasions. The approximate quantity of water used at fires was 61,73,225 gallons of which 58,22,890 gallons were drawn from mains.

**Lives Lost.**—3 persons were burned to death, 18 persons received such injuries that they subsequently succumbed and 53 persons received serious or minor injuries from which they recovered. First-Aid was rendered to the injured persons by the Brigade on 23 occasions. These particulars refer only to fires at which the Brigade attended.

**Fire Alarms.**—Sixty per cent. of the calls during the year were given through the street fire alarm system. The total number of fire alarm posts in use in the City including private alarms, was 196. Six arrests were made in connection with malicious interference with fire alarms. One person was found guilty and fined Rs. 10 or in default one week's rigorous imprisonment by the Presidency Magistrate. Three persons were declared to be insane, one was acquitted and one was discharged.

**Appliances.**—No new fire appliances were purchased during the year.

**Stations.**—Provision was made under Loan Works Budget Estimates for 1942-43 for the construction of the ground floor of the proposed new fire station at Memonwada. This work has been commenced and the station is likely to be ready for occupation in the course of a few months.

**Auxiliary Fire Service.**—The staff of Officers and other ranks in this service was increased to 1,266 with 175 trailer fire pumps and 58 towing vehicles.

**General.**—On 28th June 1942, there was a collapse of a six-floored building under construction at Jamshedji Tata Road from which 117 persons were extricated, 52 being found to be dead and 65 injured and removed to hospitals, where six subsequently died.

The distance run by fire appliances to and from 702 calls totalled 7,238 miles.

Hydrant inspections were regularly made and all defects remedied.

Theatres and cinemas were inspected on 216 occasions and 735 inspections were made in connection with dangerous trades and the storage of hazardous goods.

A trailer fire pump competition drill was organised in 1942 and a silver cup was presented to the winning crew (Alexandra Docks Station) and cash prizes of Rs. 40, Rs. 30 and Rs. 20, respectively, were given to the 1st, 2nd and 3rd crews from the Municipal Commissioner's Discretionary Grant.

Similar prizes were presented to the winning crew (Mandvi Station) and the 2nd and 3rd crews of the Auxiliary Fire Service by the A.R.P. Controller.

**Ambulance Service.**—Accident calls numbered 1,251, Maternity calls 845 and hire calls 2,170 as against 975, 935 and 1,840, respectively, and 4,511 persons were carried as against 3,800 persons during the previous year. The total distance run by ambulances was 31,363 miles and receipts for hire cases amounted to Rs. 11,284 as against Rs. 9,889 in the previous year. First-Aid to injured persons was rendered by the ambulance staff on 375 occasions.

In conclusion, I wish to express my thanks to the Officers of the Water Department, the Police and Salvage Corps for their co-operation and assistance on all occasions.

N. COOMBS,  
*Officer Commanding, Fire Services.*

## Budgeted Strength and Equipment of the Brigade.

<i>Strength.</i>		
1 Officer Commanding, Fire Services.	*1 Personal Assistant to Officer Commanding, Fire Services.	27 Motor Drivers.
1 Dy. Chief Officer, (not yet filled).		27 Tindals.
1 Assistant Officer Commanding, Fire Services.	10 Station Officers.	†190 Firemen, etc.
1 Second Officer.	1 Motor Mechanic.	1 Turncock.
1 Third Officer.	1 Sub-Officer.	1 Carpenter.
	4 Fitters.	
* Temporary Post. † Includes one Temporary post.		
<i>Office Staff—5 Clerks.</i>		
<i>Ambulance Staff—6 Motor Drivers and 15 attendants.</i>		
<i>Equipment.</i>		
17 Motor Pumps (all fitted with First Aid Appliances) 11 carrying Fire Escapes and 6 Extension Ladders.	1 Motor Emergency Tender. 1 Motor Car. 2 Motor Lorries. 6 50 feet Fire Escapes. 5 60 feet Fire Escapes.	31 Smoke Helmets or Breathing Apparatus. 2 Oxy-Acetylene Cutting Plants. 1 Foam Generator.
1 Trailer Fire Pump.	9 Extension Ladders.	34,100 feet of Rubber-Lined Hose.
1 100 feet all metal Turntable Ladder with Pump.	16 Hook Ladders.	700 feet of unlined Hose.
1 85 feet Motor Turntable Ladder.	7 Hose Reels.	Chemical Extincteurs and other small appliances.
1 82 feet Motor Turntable Ladder.		6 Motor Ambulances.

### Appendix I.

Statement showing Distribution of Appliances, Staff, Etc.

Station No.	Name of Stations.	APPLIANCES, ETC.												STAFF.								AMBULANCE SERVICE.						
		Motor Pumps.	Trailer Fire Pump.	Motor Turntable Ladders.	Motor Turntable Ladder with Pump.	Motor Emergency Tender.	Motor Cars.	Motor Lorries and Buses.	Fire Escapes.	Extension Ladders.	Hook Ladders.	Hose Reels.	Sets of Breathing Apparatus, Gas Masks etc. Oxy-Acetylene Cutting Plant.	Foam Generator.	Delivery hose in feet.	Principal Officers including Officer Commanding Fire Services.	Motor Mechanic.	Sub-Officer.	Fitters.	Motor Drivers.	Tindals.	Firemen, etc.	Turncocks.	Carpenters.	Ambulance Cars.	Drivers.	Firemen (Attendants).	
1	Headquarters	4	1	...	1	1	2L	1	6	6	...	17	3	2	1	7,600	5	1	1	4	13	9	60	1	1	3	3	9
2	Alexandra Docks	2	1	...	...	...	...	...	...	...	...	...	...	...	...	4,000	2	...	...	...	2	2	16	...	...	2	2	4
3	Gowalia Tank	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2,250	1	...	...	...	1	1	12	...	...	...	...	...
4	Sewri Cotton Depot	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3,000	1	...	...	...	1	1	...	...	...	...	...	...
5	Babula Tank	2	...	2	...	...	...	...	1	3	1	2	1	...	...	3,750	1	...	...	...	2	2	16	...	...	...	...	...
6	Fort	1	...	...	...	...	...	...	1	1	...	1	1	...	...	3,200	1	...	...	...	2	2	16	...	...	...	...	...
7	Colaba	1	...	...	...	...	...	...	1	...	1	1	2	...	...	1,750	1	...	...	...	1	1	12	...	...	...	...	...
10	Dadar	2	...	...	...	...	...	1	4	1	1	2	...	...	...	4,500	...	...	...	...	2	2	17	...	...	1	1	2
11	Bhuleswar	1	...	...	...	...	...	1	1	1	1	1	...	...	...	1,750	...	...	...	...	1	2	10	...	...	...	...	...
12	Mandvi	2	...	...	...	...	...	2	2	...	2	2	...	...	...	3,000	...	...	...	...	2	1	16	...	...	...	...	...
15	Memonwada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	4	3	...	...	...	...	...
	<b>Total</b>	<b>17</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2L</b>	<b>11</b>	<b>9</b>	<b>16</b>	<b>7</b>	<b>31</b>	<b>2</b>	<b>1</b>	<b>34,800</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>27</b>	<b>27</b>	<b>190</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>6</b>	<b>15</b>	
	Auxiliary Fire Service.	...	175	...	...	4	13L 29B	...	12	12	...	24	...	...	48,940	* 135+ 9 Office Staff.	1	145	10	163	...	801	...	2	...	...	...	...

*Auxiliary Fire Service Station.*

8 Shivaji Park	16 Naigaum	19 Haines Road	22 Mazgaon (B.P.T.)	25 Timber Ponds (B.P.T.)
9 Supanbaug	17 Kalachowki (B.P.T.)	20 Arthur Bunder	23 Carnac Bridge (B.P.T.)	30 Andheri
13 Tardeo	18 New Parsee Bazar	21 Quay Street (B.P.T.)	24 Love Grove	

\* Includes Water Officer, Auxiliary Officers and Section Leaders.

### Appendix II.

*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 1942-43.*

Station No.	Name of Stations.	NUMBER OF FIRE ALARMS ATTACHED.		HOW CALLED							APPLIANCES ATTENDED							EXTINGUISHED BY								
		Fire Brigade.	Private.	By Stranger.	By Fire Alarms.	By Exchange Telephone Number.	By Police or Salvage Corps.	By Private Telephone.	Total.	Motor Pump carrying escape or ladder.	Trailer Fire Pump.	Motor Turntable Ladders.	Motor Turntable Ladder with Pump.	Motor Emergency Tender.	A.F.S. Units.	Buckets.	Sand.	Chemical Extincteurs.	Hand Pumps.	First Aid Appliances.	Hydrants.	Motor Pumps.	Foam Generator.	Automatic Sprinkler Heads Actuated.	Smoke Helmets or Breathing Apparatus used.	Fan Blower used.
1	Headquarters	16	4	4	67	22	3	96	162	25	...	128	56	86	24	2	2	5	26	54	1	59	3	1		
2	Alexandra Docks	17	2	2	21	3	...	26	82	...	...	...	...	32	3	3	...	1	13	24	...	...	...	...		
3	Gowalia Tank	27	4	1	50	...	2	53	126	...	...	...	...	...	...	...	3	4	12	15	...	...	...	...		
4	Sewri Cotton Depot	9	7	6	26	...	2	34	62	...	...	...	...	69	7	1	...	3	58	36	...	91	...	...		
5	Babula Tank	12	5	5	45	...	2	52	148	...	...	...	...	...	12	3	...	2	18	28	...	...	...	...		
6	Fort	13	6	4	30	...	2	36	114	...	54	...	...	48	8	4	...	5	9	3	26	...	...	1	...	
7	Colaba	8	2	...	4	...	...	...	18	...	...	...	...	11	2	...	...	1	4	...	...	...	...	...		
10	Dadar	32	2	6	68	...	9	83	198	...	...	...	...	77	21	4	4	121	40	56	...	125	...	...		
11	Bhuleswar	19	1	1	88	...	2	91	127	...	...	...	...	...	11	3	...	4	17	18	11	...	...	...		
12	Mandvi	10	...	1	32	...	1	34	119	...	...	...	...	...	4	...	...	3	7	25	...	...	...	...		
15	Memonwada.	...	...	1	...	...	...	172	...	...	...	...	...	125	41	9	...	1	9	6	23	...	...	...	...	
	<b>Total</b>	<b>163</b>	<b>33</b>	<b>31</b>	<b>431</b>	<b>196</b>	<b>23</b>	<b>681</b>	<b>1156</b>	<b>25</b>	<b>54</b>	<b>128</b>	<b>56</b>	<b>448</b>	<b>111</b>	<b>31</b>	<b>6</b>	<b>18</b>	<b>76</b>	<b>205</b>	<b>298</b>	<b>1</b>	<b>275</b>	<b>5</b>	<b>1</b>	

N.B.—Figures include calls and attendances of Auxiliary Fire Service.

### Appendix III.

*Monthly summary of fires and annual losses for the period from 1933-1934 to 1942-1943.*

Year.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	Total.	Estimated Loss.
1933-1934	24	30	25	19	17	18	28	26	30	28	23	29	297	9,53,059
1934-1935	16	18	28	23	19	15	19	33	24	30	18	40	283	11,00,883
1935-1936	35	37	22	14	8	17	36	22	29	24	27	27	298	8,86,459
1936-1937	18	20	25	21	16	29	95	47	44	43	25	28	411	22,47,645
1937-1938	30	46	27	28	20	20	24	45	23	32	34	17	346	9,98,986
1938-1939	37	34	20	23	17	19	33	42	40	38	33	37	373	8,36,346
1939-1940	29	42	25	20	21	18	20	31	34	28	22	23	313	25,44,167
1940-1941	20	28	16	23	14	17	29	34	27	31	27	26	292	3,51,262
1941-1942	42	31	23	19	21	28	44	44	33	40	43	45	413	49,33,556
1942-1943	44	37	28	21	55	33	53	43	29	41	37	41	462	25,12,167

# MUNICIPAL GARDENS.

No. G./717/SR of 1943-44

BOMBAY 5th June 1943.

Subject: *Annual Report on the working of the Municipal Gardens.*

I continued to be in charge of the Gardens Department throughout the year except for short periods from 15th October 1942 to 24th October 1942 and from 15th March 1943 to 8th April 1943, when I was on leave, and Mr. R. P. Vedak, the Assistant Superintendent, was in charge of my duties in addition to his own.

\*16 Gardens, 3 Fountains, 2 Bandstands, 43 Recreation Grounds, 3 Open Spaces and Hedges at 3 places were maintained and in addition to these 5 more Recreation Grounds, *viz.*, (1) Nare Park; (2) Playground to the East of Plots Nos. 103-104 at Parel, Scheme 31, (3) 3 Traffic Islands in the Back Bay Reclamation Scheme, (4) Playgrounds at Plots Nos. 24 to 26, Naigaum and (5) Playground at Plot No. 398, Dadar-Matunga, were taken over for maintenance by this department.

The number of visitors to the Victoria Gardens during the year under report was 22,50,106 which shows a decrease of 1,84,551 over the last year's figure, giving an annual average of 24,55,121 for the last five years and an average of 6,164 per day, during the year under report. The decrease in the number of visitors was mainly due to the exodus of a large number of persons owing to war scare during the summer of 1942.

Two low lying plots by the southern side of the Duck's pond which used to be badly waterlogged during the monsoon and which provided a constant breeding ground for mosquitoes were considerably raised and are now ready and fit for the purposes of planting.

Many new plants were added to the collection and specially the number of Orchids has been gradually increased in view of the handsome donation of Rs. 7,000 which the Trustees of the late Mr. Justice Badruddin Tyabji's Memorial Fund have agreed to make towards the building of an Orchid House in his memory. The work of erecting the Orchid House will be taken in hand on the return of normal times. In this connection our thanks are due to Mr. A. Mamooji of Colombo, a famous amateur Orchid grower, who has not only presented the gardens with valuable and rare orchids from his collection brought all from Ceylon, but has also visited the gardens and given advice on various important and practical details regarding their care.

Music performances were arranged as follows:—

Place	Band.	Radio-gram.	Indian music.	Place.	Band.	Radio-gram.	Indian music.		
(1) Victoria Gardens	...	16	90	16	(5) Joseph Baptista Garden	...	5	5	...
(2) Chowpaty Bandstand	...	5	14	4	(6) King's Circle	...	...	13	7
(3) Esplanade Bandstand	...	7	13	...	(7) Parsi Colony	...	8	13	...
(4) Sir P. M. Gardens	...	4	12	4	(8) Gokhale Park	...	...	9	...

The programmes proved to be popular. The attendance at the Sir P. M. Gardens and Chowpaty Bandstand was however poor except towards the fag end of the performance for about half an hour. As late performances cannot be held at these places due to A.R.P. restrictions, it was decided to stop the performances for the duration of the war.

Only a few of the necessary major and minor repairs were carried out. The pheasants' cages were completely renovated at an aggregate cost of Rs. 6,600, a wing of the Bhavangar cage was altered to accommodate the Python at a cost of Rs. 1,032 and the drains attached to the Tortoise pond, Mali's quarters, and the Superintendent's quarters were renewed. Many works, though important, had to be abandoned owing to the non-availability of materials on account of war conditions.

During the year under Report 14 animals and 25 birds were received as presents, 72 animals and 18 birds were born in the gardens, 24 animals and 6 birds were sold and 66 animals and 86 birds died. The high death rate was due to rinderpest and foot and mouth disease both of which appeared in a virulent epidemic form.

Botanical specimens were supplied as usual to Educational Institutions. Parties from Colleges in Bombay, Poona and Gujrat sent their students for practical study. These and prominent visitors were taken round.

The Mustan Tank, Gilder Tank, and the Willingdon Memorial Playgrounds under the supervision of the Y.M.C.A. and the Playground at 2nd Peer Khan Street under that of the Nagpada Neighbourhood House continued to be popular. There is a great necessity of providing more play centres like these but proposals for their establishment will have to be deferred until the return of normal times.

The total expenditure incurred by the Gardens Department during the year under report was Rs. 2,02,188 and the income derived from the sale of flowers and other items amounted to Rs. 8,404-6-0.

D. I. AHMADI,  
Superintendent, Municipal Gardens.

# VICTORIA & ALBERT MUSEUM.

No. Cm/3530 of 1943-44.

Bombay, 19th May 1943.

*Subject:—Annual Report of the work done in the Victoria and Albert Museum, Bombay.*

I held the office of the Curator, Victoria and Albert Museum, throughout the year.

The subjoined table gives a comparative statement of the number of visitors to the Museum during the last two years.

Year.	Number of days the Museum was open.	Total number of visitors.	Daily average.
1941-42 ...	302	14,03,727	4,648
1942-43 ...	230	9,61,978	4,182

The Museum was closed to the public from 28th August 1942 to 2nd December 1942 for carrying out repairs to the corner rooms of the building and consequently there was a decrease in attendance.

The following specimens were purchased for the Museum :—

Seven metal images of Indian Gods and Goddesses; a pair of brass lamp-stands and a pair of peacocks made of horns.

The coin cabinet was further enriched by the purchase of the following coins :—

40 silver Mughal coins, 3 silver Gujraht Sultan coins, 1 silver Kabul coin, 3 copper coins of Post-Mughal States and East India Company, 3 silver medals of 3 British Emperors.

The work in regard to the Model village exhibit was completed during the course of the year by preparing various models of houses and other structures on a scale plan. An artistic back-ground and a suitable lay-out are the striking features of the model. In the lower panels of this show-case several coloured enlargements of important village industries are arranged showing raw and finished products. This case has a popular appeal and it is proposed to increase the number of such useful and interesting exhibits.

Some research students availed themselves of the facility of reference and other works in the Museum Library. Several students of the Sir J. J. School of Arts and other local Art Academies showed great interest in the exhibit of Indian Paintings.

The following Books were purchased for the Museum Library :—

(1) East Indian School of Mediaeval Sculpture by Banerji; (2-4) Chalukyan Architecture, Somnath and other Temples, and Antiquities of Sindh by Cousens; (5) Indian Architecture by Brown; (6) Jain Iconography by Bhattacharya; (7) Iconography of Buddhist and Brahminical Sculptures in the Dacca Museum by Bhattasali; (8) Development of Hindu Iconography by Banerji; (9) Magadh Architecture and Sculpture by Chatterjee; (10) Bharata-na-Jain-Tirtho by Nawab; (11) Sharman Bhagwan Mahavir by Muni Kalyan Vijay; (12) Aux Indes Sanctuaries by Levi and Bruhl; (13) Mughal Paintings by Coomarswamy; (14) Indian Drawings—Wantage collection by Clarke; (15) Indian Art at the British Empire Exhibition by Heath; (16) Inscriptions of Cave Temples in Western India by Burgess; (17) Indian Miniatures by Sattar Kheri; (18) Shree Arbud Prachin Jain Lekh Sangrah by Muni Jayant Vijaya; (19) Mc Lean's Guide to Bombay; (20) Gaikawar Archacological Series, Volumes 1 to 3 by Shastri and (21) Illustrations of South Indian Metal work by Thurston.

The sub-joined table gives the number of pupils from the Primary and Secondary Schools of the City, who visited the Museum :—

1941-42	...	10,918
1942-43	...	4,277

The abnormal fall in the number was due to the Museum being closed for a number of days for repairs.

S. C. UPADHYAYA,  
Curator

# GENERAL STORES.

No. S./105/S.R. of 1943-1944.

Bombay, 9th June 1943.

Subject: Administration Report for the year 1942-1943.

1. During the year, tenders were invited for the purchase of stores in 136 cases against 137 in the preceding year. The total number of enquiries and quotations issued during the year was 1,491 against 1,916 in the preceding year. The number of contracts for the different schedule articles entered into during the year was 65 against 87 of the preceding year. The value of the purchases effected during the year including articles received from other departments on Return Stores Memo amounted to Rs. 13.78 lakhs as against Rs. 15.24 lakhs of the preceding year. The decrease is due to the purchases of stores being restricted on account of scarcity and difficulty of obtaining them.
2. Most of the articles purchased during the year were of Indian Manufacture and the value thereof amounted to Rs. 11.78 lakhs. The value of foreign goods came to about Rs. 2 lakhs.
3. 4,766 orders for the purchase of stores were placed with the contractors and other dealers against 7,440 in the preceding year. This large decrease is due to the method of indenting stores being revised and brought in a line with that in other public bodies, *viz.*, ordering the stores in quantities adequate to meet the departmental demands for 3 to 4 months. The method followed in the past was generally to order out materials when indents from departments were received with the result that this department was not able to comply with the requisitions until the materials were received from the contractors.
4. 20,590 indents and sales memoranda were received from departments against 23,852 in the preceding year.
5. The articles indented which were not in stock or for which no contracts existed were invariably secured from the market by inviting quotations.
6. During the year no dust bins were sold to house-owners on account of the difficulty of obtaining them. The Galvanized sheets required for their manufacture are under control and release orders could not be obtained.
7. The articles received from contractors and others were carefully examined and compared with the approved samples, before acceptance and where the articles differed from the tendered samples they were rejected and got replaced but in a few exceptional cases they were accepted at a reasonable rate of discount.
8. C. I. and other scrap received from the different departments was sold by inviting sealed offers from dealers in scrap. The highest rate realised for C. I. Pipe Scrap was Rs. 130 per ton as against Rs. 92-4-0 per ton in the preceding year. The total amount realised by sale of scrap and other unserviceable articles by public auction during the year amounted to Rs. 18,087-13-0; against Rs. 18,852-6-0 in the preceding year.
9. The total turnover of the department, *viz.*, the receipt and issues of stores during the year came to Rs. 26.31 lakhs as against Rs. 29.09 lakhs of the preceding year. On the turnover the Establishment charges of the department work out to about 2.99 per cent. against 2.5 per cent. in the preceding year.
10. The stock of stores on hand is annually verified departmentally and through the Municipal Stock Verifier. The departmental verifications showed no appreciable differences while the verification by the Municipal Stock Verifier was in progress at the close of the year.
11. The abnormal conditions created by the war reflected very sharply on the Department. The annual tenders for the year 1943-44 invited in the months of December 1942 and January and February 1943 carried rates considerably higher than the market rates. Therefore with a view to reducing the expenditure likely to be entailed during the year 1943-44 on account of high rates quoted by tenderers, several items of stores of general consumption were either ordered out in full from the contractors for the year 1942-43 or purchased from the market by inviting quotations on the basis of payment against delivery with the result that sufficient stocks remained on hand and it became possible to reject tenders for the year 1943-44 in which very high prices had been quoted. It is estimated that a saving of about Rs. 30,000 was effected by this procedure.
12. The value of stores on hand at the close of the year was Rs. 7.71 lakhs as against Rs. 6.42 lakhs of the preceding year. The increase of Rs. 1.29 lakhs is due to the increase in stock on hand of C. I. Pipes, castings and other materials in general demand which had to be stocked on account of war conditions and for the reason mentioned in paragraph 3 above.
13. Apart from the scarcity of materials, the various Government Control Orders aggravated the difficulties of the department and increased its work enormously. The Department has successfully encountered these difficulties and played its role of a fairly major supplying agency to the Municipal Departments.
14. The Designation of 'The Chief Store-Keeper' was changed to that of 'The Controller of Stores' under Corporation Resolution No. 1048, dated the 10th February 1943 so as to bring it in conformity with the designation of similar posts in the Bombay Port Trust and the Railways.
15. I append hereto statements showing (a) Stores Transactions during the year required by Clause XXIX of the Stores Audit Manual (Appendix O) and (b) Details of the stock on hand at the close of the year."

## MUNICIPAL GRAIN SHOPS.

The Corporation under their Resolution No. 566, dated the 17th September 1942 approved of a scheme for opening grain shops for the benefit of municipal employees and sanctioned an advance of Rs. 1,00,000 from the Fines Fund for meeting the cost of outlay and recurring expenditure of the shops. Further examination showed that the arrangements proposed required modification and the altered arrangements which were accepted were subsequently approved under Standing Committee Resolution No. 2042, dated the 31st March 1943.

In all 8 shops were opened in different wards of the City and foodgrains were purchased either from local merchants or from Government godowns in accordance with permits issued by Government and sold at controlled rates. On an average about 900 employees availed themselves of these facilities every day.

The value of food grains purchased during the year amounted to Rs. 1,47,110 and the sale proceeds to Rs. 1,31,690. The value of stock on hand at the close of the year was about Rs. 32,060.



# VICTORIA & ALBERT MUSEUM.

No. Cm/3530 of 1943-44.

Bombay, 19th May 1943.

*Subject* :—Annual Report of the work done in the Victoria and Albert Museum, Bombay.

I held the office of the Curator, Victoria and Albert Museum, throughout the year.

The subjoined table gives a comparative statement of the number of visitors to the Museum during the last two years.

Year.	Number of days the Museum was open.	Total number of visitors.	Daily average.
1941-42 ...	302	14,03,727	4,648
1942-43 ...	230	9,61,978	4,182

The Museum was closed to the public from 28th August 1942 to 2nd December 1942 for carrying out repairs to the corner rooms of the building and consequently there was a decrease in attendance.

The following specimens were purchased for the Museum :—

Seven metal images of Indian Gods and Goddesses; a pair of brass lamp-stands and a pair of peacocks made of horns.

The coin cabinet was further enriched by the purchase of the following coins :—

40 silver Mughal coins, 3 silver Gujrath Sultan coins, 1 silver Kabul coin, 3 copper coins of Post-Mughal States and East India Company, 3 silver medals of 3 British Emperors.

The work in regard to the Model village exhibit was completed during the course of the year by preparing various models of houses and other structures on a scale plan. An artistic back-ground and a suitable lay-out are the striking features of the model. In the lower panels of this show-case several coloured enlargements of important village industries are arranged showing raw and finished products. This case has a popular appeal and it is proposed to increase the number of such useful and interesting exhibits.

Some research students availed themselves of the facility of reference and other works in the Museum Library. Several students of the Sir J. J. School of Arts and other local Art Academies showed great interest in the exhibit of Indian Paintings.

The following Books were purchased for the Museum Library :—

(1) East Indian School of Mediaeval Sculpture by Banerji; (2-4) Chalukyan Architecture, Somnath and other Temples, and Antiquities of Sindh by Cousens; (5) Indian Architecture by Brown; (6) Jain Iconography by Bhattacharya; (7) Iconography of Buddhist and Brahminical Sculptures in the Dacca Museum by Bhattasali; (8) Development of Hindu Iconography by Banerji; (9) Magadh Architecture and Sculpture by Chatterjee; (10) Bharata-na-Jain-Tirtho by Nawab; (11) Sharman Bhagwan Mahavir by Muni Kalyan Vijay; (12) Aux Indes Sanctuaries by Levi and Bruhl; (13) Mughal Paintings by Coomarswamy; (14) Indian Drawings—Wantage collection by Clarke; (15) Indian Art at the British Empire Exhibition by Heath; (16) Inscriptions of Cave Temples in Western India by Burgess; (17) Indian Miniatures by Sattar Kheri; (18) Shree Arbud Prachin Jain Lekh Sangrah by Muni Jayant Vijaya; (19) Mc Lean's Guide to Bombay; (20) Gaikawar Archacological Series, Volumes 1 to 3 by Shastri and (21) Illustrations of South Indian Metal work by Thurston.

The sub-joined table gives the number of pupils from the Primary and Secondary Schools of the City, who visited the Museum :—

1941-42	...	10,918
1942-43	...	4,277

The abnormal fall in the number was due to the Museum being closed for a number of days for repairs.

S. C. UPADHYAYA,  
Curator

# GENERAL STORES.

No. S./105/S.R. of 1943-1944.

Bombay, 9th June 1943.

Subject: *Administration Report for the year 1942-1943.*

1. During the year, tenders were invited for the purchase of stores in 136 cases against 137 in the preceding year. The total number of enquiries and quotations issued during the year was 1,491 against 1,916 in the preceding year. The number of contracts for the different schedule articles centered into during the year was 65 against 87 of the preceding year. The value of the purchases effected during the year including articles received from other departments on Return Stores Memo amounted to Rs. 13.78 lakhs as against Rs. 15.24 lakhs of the preceding year. The decrease is due to the purchases of stores being restricted on account of scarcity and difficulty of obtaining them.

2. Most of the articles purchased during the year were of Indian Manufacture and the value thereof amounted to Rs. 11.78 lakhs. The value of foreign goods came to about Rs. 2 lakhs.

3. 4,766 orders for the purchase of stores were placed with the contractors and other dealers against 7,440 in the preceding year. This large decrease is due to the method of indenting stores being revised and brought in a line with that in other public bodies, viz., ordering the stores in quantities adequate to meet the departmental demands for 3 to 4 months. The method followed in the past was generally to order out materials when indents from departments were received with the result that this department was not able to comply with the requisitions until the materials were received from the contractors.

4. 20,590 indents and sales memoranda were received from departments against 23,852 in the preceding year.

5. The articles indented which were not in stock or for which no contracts existed were invariably secured from the market by inviting quotations.

6. During the year no dust bins were sold to house-owners on account of the difficulty of obtaining them. The Galvanized sheets required for their manufacture are under control and release orders could not be obtained.

7. The articles received from contractors and others were carefully examined and compared with the approved samples, before acceptance and where the articles differed from the tendered samples they were rejected and got replaced but in a few exceptional cases they were accepted at a reasonable rate of discount.

8. C. I. and other scrap received from the different departments was sold by inviting sealed offers from dealers in scrap. The highest rate realised for C. I. Pipe Scrap was Rs. 130 per ton as against Rs. 92-4-0 per ton in the preceding year. The total amount realised by sale of scrap and other unserviceable articles by public auction during the year amounted to Rs. 18,087-13-0; against Rs. 18,852-6-0 in the preceding year.

9. The total turnover of the department, viz., the receipt and issues of stores during the year came to Rs. 26.31 lakhs as against Rs. 29.09 lakhs of the preceding year. On the turnover the Establishment charges of the department work out to about 2.99 per cent. against 2.5 per cent. in the preceding year.

10. The stock of stores on hand is annually verified departmentally and through the Municipal Stock Verifier. The departmental verifications showed no appreciable differences while the verification by the Municipal Stock Verifier was in progress at the close of the year.

11. The abnormal conditions created by the war reflected very sharply on the Department. The annual tenders for the year 1943-44 invited in the months of December 1942 and January and February 1943 carried rates considerably higher than the market rates. Therefore with a view to reducing the expenditure likely to be entailed during the year 1943-44 on account of high rates quoted by tenderers, several items of stores of general consumption were either ordered out in full from the contractors for the year 1942-43 or purchased from the market by inviting quotations on the basis of payment against delivery with the result that sufficient stocks remained on hand and it became possible to reject tenders for the year 1943-44 in which very high prices had been quoted. It is estimated that a saving of about Rs. 30,000 was effected by this procedure.

12. The value of stores on hand at the close of the year was Rs. 7.71 lakhs as against Rs. 6.42 lakhs of the preceding year. The increase of Rs. 1.29 lakhs is due to the increase in stock on hand of C. I. Pipes, castings and other materials in general demand which had to be stocked on account of war conditions and for the reason mentioned in paragraph 3 above.

13. Apart from the scarcity of materials, the various Government Control Orders aggravated the difficulties of the department and increased its work enormously. The Department has successfully encountered these difficulties and played its role of a fairly major supplying agency to the Municipal Departments.

14. The Designation of 'The Chief Store-Keeper' was changed to that of 'The Controller of Stores' under Corporation Resolution No. 1048, dated the 10th February 1943 so as to bring it in conformity with the designation of similar posts in the Bombay Port Trust and the Railways.

15. I append hereto statements showing (a) Stores Transactions during the year required by Clause XXIX of the Stores Audit Manual (Appendix O) and (b) Details of the stock on hand at the close of the year."

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The value of food grains purchased during the year amounted to Rs. 1,47,110 and the sale proceeds to Rs. 1,31,690. The value of stock on hand at the close of the year was about Rs. 32,060.

## APPENDIX 'O'

(a) Statement showing Stores Transactions during the year 1942-43.

Particulars.	General Stores.		Capital Stores.		Line Suspense stores general.		Total.	
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.
Value of stores on hand on 1st April 1942 ...	3,60,519	10 1	1,87,456	15 3	97,203	11 10	6,45,180	5 2
Value of stores receipts including transfers during 1942-43.	9,92,976	6 0	3,85,495	0 0	150	0 0	13,78,621	6 0
Total ...	13,53,496	0 1	5,72,951	15 3	97,353	11 10	20,23,801	11 2
Less— Value of stores issued including transfers during 1942-43.	8,89,920	15 3	3,59,835	11 0	2,493	7 0	12,52,250	1 3
Balance on 1st April 1943 ...	4,63,575	0 10	2,13,116	4 3	94,860	4 10	7,71,551	9 11

(b) A statement showing the details of stock held on hand on 31st March 1943.

	Rs.	a.	p.	Rs.	a.	p.
<i>Capital Account—</i>						
C. I. Pipes, tubes, Hydrants, Manhole frames and covers ...	1,74,078	13	3			
Sluice valves and other Water Works castings, etc. ...	15,597	1	0			
S. W. Pipes and Indian Hume Pipes, etc. ...	23,440	6	0			
				2,13,116	4	3
<i>Line Suspense Account—</i>						
Water Works Castings on the line ...				94,860	4	10
<i>General Account—</i>						
Galvanized pipes and fittings and brass fittings ...	96,953	13	1			
Meter spares and meters ...	32,541	13	6			
C. I. Specials, water works castings and spindles brass ...	99,373	11	11			
Bolts and Nuts ...	6,689	11	0			
Brooms Goa ...	937	15	0			
Cables and Wires ...	1,093	3	0			
Electric wires and accessories ...	5,713	8	0			
Files and Rasps ...	765	13	0			
S. M. Section ...	6,139	4	0			
Lead Pipes and Zinc Sheets ...	312	0	0			
S. M. Plates ...	719	12	0			
Coir goods and tin articles ...	279	15	0			
Motor spares ...	20,381	0	0			
Nuts Rivets and Nails ...	8,541	15	0			
Oil, Castor, Coconut, Sweet ...	3,614	0	0			
Oil, Kerosene, Lubricating oil, Grease ...	6,105	2	0			
Timber ...	2,622	12	0			
Drainage Castings ...	11,218	1	0			
Disinfectants ...	17,904	4	0			
Clothing Material ...	8,671	15	0			
Hose Canvas and Rubber ...	19,045	2	0			
Spare parts a Stone crusher ...	4,123	2	0			
Lead Pig ...	17,355	10	0			
Miscellaneous ...	92,471	10	4			
				4,63,575	0	10
Total Rs. ...				7,71,551	9	11

A. H. K. SHAIKH,  
Controller of Stores.

# LICENCES, SHOPS & ESTABLISHMENTS.

Bombay, 4th June 1943.

Mr. A. P. Saldanha, B.A. was in charge of the Department throughout the year.

## Licences for trades and storages.

2. Licences under Sections 394 and 412-A and permits under Sections 390 and 393 of the Municipal Act :— The total number of licences and permits issued under these Sections during the year was 22,368 and the fees realised therefrom amounted to Rs. 2,30,355. These figures compare with those of the preceding two years, as under :—

TABLE.

Particulars.	Number of Permits and Licences.			Amount of fees recovered.		
	1940-41.	1941-42.	1942-43.	1940-41.	1941-42.	1942-43.
Commodities or Trades (Section 394) ...	20,782	21,108	19,853	Rs. 2,12,711	Rs. 2,14,301	Rs. 2,19,593
Steam Whistle Blowing (Section 393) ...	35	38	39	355	380	385
Milk products, Ghee and Butter (Section 412A) ...	1,936	1,785	1,443	4,357	3,912	3,146
Factories (Section 390) ...	245	171	183	6,251	4,444	4,725
Transfers of Licences (Section 394 and 412A) ...	1,263	1,097	806	3,367	2,970	2,392
Transfers of Permits (Section 390) ...	63	38	44	128	83	114
Total ...	24,324	24,227	22,368	2,27,169	2,26,090	2,30,355

3. The licence fees outstanding on 31st March 1943, amounted to Rs. 476 in respect of 31 licences as against Rs. 256 in respect of 49 licences on 31st March 1942. Licence fees recovered in excess amounting to Rs. 739 were refunded during the year. The loss of revenue incidental to the disuse or demolition of old licensed places or the diversion of their user not entailing licences amounted to Rs. 25,136 against Rs. 18,571 in the preceding year. No licence was revoked during the year. Miscellaneous receipts amounted to Rs. 929 against Rs. 969 in the preceding year.

4. 96 licences were issued during the year for the trade of farriers, as against 70 in the previous year. 76 persons were prosecuted for carrying on the trade without a licence, of whom 37 were convicted and fined Rs. 234; 23 cases were withdrawn on payment of licence fees, 2 persons were acquitted and 14 cases were pending at the close of the year. Two persons from the farrier class were appointed from 8th August 1942 at Rs. 40 per month each with a view to detecting illicit farriery and it is therefore too early to express any opinion about their usefulness.

## Advertisements.

5. The total number of permits for advertisements issued during the year under Sections 328 and 328-A was 2,356 and the receipts therefrom amounted to Rs. 1,18,836. They compare with the preceding two years as follows :—

TABLE.

Particulars.	Number of permits issued.			Amount of fees collected.		
	1940-41.	1941-42.	1942-43.	1940-41.	1941-42.	1942-43.
Wall-posters, Hoardings and Boards ...	1,319	1,056	1,107	Rs. 63,907	Rs. 52,258	Rs. 67,764
Movable boards on hand-carts etc. ...	681	563	485	23,914	41,662	32,553
Illuminated Advertisements and Sky-signs ...	183	63	36	4,376	2,041	864
Non-Illuminated Sky-signs and Advertisements ...	777	825	659	11,017	12,769	11,418
Non-Illuminated Kiosks ...	12	24	24	...	...	2,411
(Number of Kiosks) ...	(1433)	(1607)	(1917)	1,791	2,024	...
Wall-Paintings ...	55	42	43	996	677	561
Auctioneers ...	2	2	2	200	200	200
Space-rent ...	...	...	...	590	391	272
Composition for delayed payments ...	...	...	...	799	1,766	2,778
Total ...	3,029	2,575	2,356	1,07,590	1,13,877	1,18,836

\* This amount was credited to revenue but subsequently refunded as no advertisement was displayed.

The refunds granted from revenue during the year under report amounted to Rs. 121 (Rs. 106 from previous years and Rs. 15 from the current year).

## Hawkers.

6. Licences under Sections 313 and 313-A.—The total number of hawker and squatter licences issued during the year was 35,045, and the fees realised therefrom amounted to Rs. 1,37,597. The removal charges recovered under Section 490 amounted to Rs. 1,62,993. These figures compare with those of the preceding two years, as follows :—

Particulars.	Number of licences issued.			Amount of fees collected.		
	1940-41.	1941-42.	1942-43.	1940-41.	1941-42.	1942-43.
Squatters' Fees collected in Reserved Areas (Under Section 313).	29,473	30,325	30,063	Rs. 1,21,891	Rs. 1,25,038	Rs. 1,22,695
Fees received from itinerant hawkers' licences (Under Section 313-A).	6,761	7,082	4,982	21,509	22,852	14,902
Total ...	36,234	34,407	35,045	1,43,400	1,47,890	1,37,597
Recovery of expenses under Section 490 for removal of encroachments under Section 314.				30,198	22,808	25,396
Total ...	36,234	34,407	35,045	1,73,598	1,70,698	1,62,993

### Prosecutions.

7. 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.	No. of cases withdrawn on compliance with law.	No. of cases which resulted in conviction.	Amount of fines inflicted.	No. of cases which resulted in acquittal.	No. of cases remaining undisposed of on 31st March.
1940-41	394	1,705	1,468	285	Rs. 4,990	1	105
1941-42	"	1,299	1,122	190	2,563	...	92
1942-43	"	1,409	1,156*	236	2,685	5	114
1940-41	328-328A	2,090	2,834	44	464	...	715
1941-42	"	1,895	2,208	22	685	...	380
1942-43	"	1,762	1,920*	2	6	...	220
1940-41	412-A	103	101	4	130	...	1
1941-42	"	76	73	2	35	...	2
1942-43	"	80	76*	1	10	...	5

\* Out of 3,152 cases withdrawn, 2,954 were withdrawn on payment of licence fees and the remaining on other justifiable grounds.

8. *Criminal prosecutions.*—During the year under report, two of the labourers on the Encroachment Removal lorries were assaulted by one Mr. Abdul Rehman Mohidin, a hotel keeper, and two others of Nizam Street in the performance of their duties. The hotel keeper was arrested by the police and prosecution was launched against him. He was tried before the II Presidency Magistrate, Mazagaon, for assaulting and obstructing public servants in the discharge of their duties and was convicted and fined Rs. 30 on 7th January 1943.

9. *Revenue.*—The total revenue of the department was Rs. 4,97,356.

### Shops and Establishments Section.

10. *Personnel.*—Since the last report was submitted, the personnel of the Section has been strengthened by the addition of one Senior Inspector, two Junior Inspectors, one clerk and three peons.

11. *Disposition of the staff.*—In view of the appointment of an additional Senior Inspector, the City was grouped into four major divisions, each under one Senior Inspector, viz., (i) A; (ii) B and C; (iii) D and E, (iv) F and G. Junior Inspectors were in charge of one ward each. B and C Wards being more congested they were given an additional Junior Inspector each.

12. *Complaints.*—Of the complaints received last year, 147 remained to be investigated, and during the year under report 385 fresh complaints were received, relating mostly to the absence of rest interval and weekly holidays. 520 complaints were investigated and action taken, wherever necessary. By the close of the year, 12 cases remained pending.

13. *Raids.*—Mass raids were arranged when two or more Inspectors visited several establishments in one locality simultaneously and checked the notices, registers etc., maintained by each establishment, as it was found that such raids helped enforcement of the Act more effectively. The total number of mass raids carried out upto the end of the year was 111.

14. *Visits and re-visits to establishments.*—The total number of visits and re-visits paid to establishments upto the close of the year was 27,788 to Shops, 2,219 to Commercial Establishments, 157 to Places of Amusement and 7,719 to Restaurants.

15. *Prosecutions under the Shops and Establishments Act.*—Out of the prosecutions launched in the preceding year, 171 were pending at the close of the year and 3,146 new prosecutions were instituted. Thus out of 3,317 cases during the period under report, 3,093 were disposed of, 3,000 resulting in conviction, 86 being withdrawn and 12 ending in acquittal. The number of cases pending at the end of the year was 219. The total amount of fines inflicted was Rs. 43,160 giving an average of Rs. 14-6-0 per case or Rs. 6-8-0 per charge, each case generally involving multiple charges.

16. *Exemptions.*—During the period under report, exemption was renewed in the case of 8 chemists and druggists' shops. Permanent exemption was granted to 3 new establishments and for shorter periods to 4 more. In addition, 11 establishments were granted exemption from the operation of the Act for the duration of the war. The exemption granted in June 1942 to Messrs. Shaparia Iron and Steel Works, Ltd. was discontinued from March 1943.

Some provisions of the Act were relaxed during Pateti, Ganesh Chaturthi, Ramzan and Ramzan Id, Divali, X'mas, Mahim Urus, and Jamshedji Nowroz Holidays.

17. *Grant-in-Aid.*—Government sanctioned a grant-in-aid of Rs. 8,826 for the year 1940-41 which was exactly half the actual expenditure incurred on the Department during the year and Rs. 25,010 for the year 1941-42 which was more than 50 per cent. of the actual expenditure. During the years 1940-41 and 1941-42 the amount of fines realised was Rs. 895 and Rs. 25,320 respectively.

18. *General.*—A special enquiry into the hours of work, wages and conditions of employment in the grocery and provision shops was undertaken during the year under report, and 1,985 shops were visited. The details of the enquiry are embodied in the Annual Report submitted to the Corporation separately.

It is gratifying to note that there is a greater realization among the employers as well as the employed of the benefits of the Act and it can be safely said that the Act has proved a boon to employees generally.

T. V. DORAISWAMY,  
Ag. Superintendent of Licences,  
Shops and Establishments.

# MARKETS.

No. M/ of 1942-43.

Bombay, 2nd July 1943.

Subject: Administration Report of the Markets and Slaughter Houses Department for the year 1942-43.

The total receipts of the Department during the year under report amounted to Rs. 15,32,334-11-0 against Rs. 13,79,142-10-10 in the previous year, showing an increase of Rs. 1,53,192-0-2, which is due to the increase in stall rents and slaughter fees.

2. Owing to the opening of a new Municipal Market at Worli from 1st April 1942, there were 17 Municipal Markets in all. Statement No. I shows the total number of stalls and the average number that remained vacant per quarter in each market, the financial result of each market and the increase and decrease with the percentage on cost in the revenue as compared with the previous year.

During the year under report 47 stalls were demolished in the Colaba Market and 43 stalls for mutton, fowl, eggs, etc., were let out in the Worli Market. Thus the number of stalls in the Municipal markets has decreased by 4.

There was an increase of Rs. 52,065-15-3 in the receipts from 8 Markets and a decrease of Rs. 13,346-1-0 in respect of others so that the net financial position in respect of stall Rents, etc., is that there has been an increase of Rs. 38,719-14-3 during the year over the previous year.

3. In addition to the above revenue, Rs. 2,43,684-3-9 were realised as squatters fees and scale fees from the Arthur Crawford Market against Rs. 2,28,990-14-9 in the preceding year, showing an increase of Rs. 14,693-5-0.

4. The number of Private Markets during the year was 23 against 24 in the previous year, two markets, viz., (i) the Worli Private Market and (ii) the Lalwady Private Market at Parel Chawl having been closed during the year, from 1-4-42 and 1-1-1943 respectively and a new private market at Chhakyachiwadi, Tardeo, having been opened from 21-1-1943. The number of Private Slaughter Houses remained the same as in the previous year, viz., two—one at Maude Lines, Colaba, for the Military and the other the Jhatka Slaughter House at Arthur Road for Sikhs. The licence fee in respect of the Byculla Vegetable Private Market, opposite the Victoria Gardens amounting to Rs. 23,709 has been kept under deposit as the question of compliance by the market owner with certain requisitions is pending. In the case of the Fancy Private Market, the question of revision of licence fee is under consideration. The owner of the Open Air Vegetable Private Market at Dwarkadas Mansions, Sandhurst Road, has after some preliminary objections paid the licence fee which is held under deposit.

The amount realised on account of the licence fees of 20 Markets, along with the aforesaid two Private Slaughter Houses amounted to Rs. 22,793-0-0, as against Rs. 32,060-13-0 in the previous year. A sum of Rs. 821-15-0 was also received as licence fee from the firms dealing in imported meat and foreign fish, etc. Licence fees amounting to Rs. 1,040-0-0 were recovered from butchers having stalls in Private Markets.

The number of outside meat shops was 186, against 181 of the preceding year. In four cases the amount of licence fee is received under deposit and the fees realised in respect of the remaining 182 were Rs. 8,874-0-0 against Rs. 8,832-6-0 in the previous year.

5. All the Markets and Slaughter Houses were regularly inspected and careful supervision was exercised by the Markets and Slaughter Houses Staff as to the cleanliness and sanitary condition of the premises and the wholesomeness of the articles offered for sale thereat. Unwholesome articles, viz., meat, fish, fruit, vegetables, etc., in different Markets and Slaughter Houses, including contraband meat weighing 7,04,539 lbs. in the aggregate, were destroyed during the year. The total quantity of meat destroyed in the Markets was 26,163 lbs.

6. The quantity of contraband meat seized and destroyed was 43,270 Lbs. against 15,848 lbs. in the previous year, showing an increase of 27,422 Lbs. In all, 398 seizures were effected and prosecutions instituted with the result that 369 persons were convicted and fined.

7. The subjoined table shows the number of animals brought to the fair ground at the Bandra Slaughter Houses and the number of those rejected as unfit on ante-mortem examination, as compared with the previous year:—

Year.	Animals brought to the Fair Ground.			Animals rejected on ante-mortem examination.		
	Buffaloes.	Cows and bullocks.	Sheep and goats.	Buffaloes.	Cows and bullocks.	Sheep and goats.
1942-43 ...	12,131	1,10,685	11,63,233	32	1,067	3,022
1941-42 ...	11,936	84,750	9,51,016	15	694	2,162

The principal causes of ante-mortem rejection were advanced stage of pregnancy or suffering from sheep-pox, foot and mouth disease, fever, emaciation, abortion, debility, mange, bruises, foot-rot, pneumonia, fractures, abscesses, etc., or other diseases, or infections rendering their meat unfit for human consumption.

The principal causes of post-mortem condemnation were cysticercus bovis, liver flukes, abscesses, bruises, emaciation, hydatid-cyst, foot-rot and parasitic nodular infection of livers and lungs.

8. The slaughter and removal fees realised at the Bandra Slaughter Houses together with the slaughter fees realised at the DeLisle Road Sheep Market amounted to Rs. 5,57,392-5-0, against Rs. 4,83,488-15-0 of the last year, showing an increase of Rs. 73,903-6-0. The fees received from the Kurla Municipality under the agreement to import buffalo meat into Bombay were Rs. 84,150-0-0 against Rs. 60,460-0-0 in the previous year. A sum of Rs. 107-8-0 was also realised for horned cattle and sheep and goats slaughtered in Bombay on occasions of festivals.

9. The approximate weight of dressed meat of buffaloes, cows and bullocks was 12,353 tons and that of sheep and goats 10,904 tons. The quantity condemned out of the former was 30 tons and of the latter was 7 tons which gave .24 and 0.06 percentages respectively.

10. The number of pigs and piglings brought for slaughter at the Arthur Road Slaughter House during the year was 15,970 and 350 respectively, out of which 15,779 pigs and 354 piglings were slaughtered and the amount received as import and slaughter fees was Rs. 32,100-0-0 against Rs. 19,529-12-0 in the previous year.

Permits to import 102 slaughtered piglings were issued during the year and the fees recovered thereon amounted to Rs. 76-8-0.

11. Out of 639 tons of pork meat slaughtered, 2½ tons were rejected and destroyed as unfit for human consumption on account of tuberculosis, pregnancy, debility, cysticercus-cellulosae, hypertrophy of kidneys bruises, abscesses, cysts and injuries.

The percentage of the total quantity of pork destroyed comes to .36. The infection of tuberculosis was confined to pigs only.

Note.—The details of animals slaughtered etc., and the fees realised are given in Appendix A of this report.

12. The amount realised for the right of collecting fair fees at the Bandra Slaughter Houses was Rs. 1,50,000 against Rs. 1,40,500 of the preceding year showing an increase of Rs. 9,500.

13. The other miscellaneous revenues were as follows :—

Particulars.	1942-43.			1941-42.		
	Rs.	a.	p.	Rs.	a.	p.
1. Amount recovered from the contractors for the right of removing blood at the Bandra Slaughter Houses ...	8,250	0	0	8,250	0	0
2. Licence fees from stalls and shops in the Municipal and Private Markets, outside shops, etc. ...	50,611	3	0	51,681	10	0
3. Minor receipts ...	8,628	14	0	12,838	14	1
4. Ground rents ...	15,025	7	0	15,015	14	0
5. Chawl rents ...	4,983	0	0	4,628	1	0
6. Rents from the Peddar Market chawl and other recoveries from Peons etc. through pay sheets ...	864	0	0	882	2	0
7. Cold Storage Rents ...	32,534	0	0	18,578	9	0
8. Unclaimed dues and deposits ...	16	5	0	13	14	0
Total ...	1,20,912	13	0	1,11,889	0	1

14. The fines inflicted by the Honorary Presidency Magistrates for the infringement of provisions of the Municipal Act and Byelaws pertaining to the Markets Department amounted to Rs. 4,677-12-0, against Rs. 2,110 in the previous year.

15. The Refrigerator plant at the Arthur Crawford Market worked satisfactorily. In all the four rooms, packages were stored on payment of fees which were recovered departmentally.

D. S. LAUD,  
Superintendent of Markets and  
Slaughter Houses.

APPENDIX "A".

Statement showing the number of animals slaughtered or removed for private slaughter and the amount of slaughter fee, etc., levied thereon during the year 1942-43.

Description of animals.	April 1942.	May 1942.	June 1942.	July 1942.	August 1942.	September 1942.	October 1942.	November 1942.	December 1942.	January 1943.	February 1943.	March 1943.	Total No. of animals.	Total amount of slaughter fee, etc.
Buffaloes ... ..	997	1,022	1,000	1,035	1,049	998	1,034	1,000	1,034	997	925	1023	12,114	Rs. a. p. 1,81,710 0 0
Buffaloes removed to Bombay ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buffaloes for private slaughter in Bombay ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cows (Bombay) ... ..	2,430	2,020	2,796	2,372	2,970	2,590	2,939	2,703	3,819	2,905	3,401	3,104	34,049	51,073 8 0
(Bandra) ... ..	643	640	671	645	654	647	615	679	772	720	660	723	8,069	8,069 0 0
Bullocks ... ..	4,495	4,773	5,219	5,322	5,133	5,235	4,904	6,361	6,143	6,835	5,392	6,571	66,383	99,574 8 0
Sheep and goats for Bombay ... ..	68,187	68,939	76,696	80,677	66,916	67,373	73,157	80,102	88,719	90,279	86,728	95,848	9,43,621	1,76,928 15 0
Do. Bandra ... ..	2,825	3,023	3,061	3,074	2,638	2,785	2,856	3,105	3,461	3,506	3,164	3,502	37,000	4,625 0 0
Pigs imported at Arthur Road Slaughter House ... ..	1,342	1,457	939	1,351	1,243	1,257	1,125	1,202	1,722	1,777	1,260	1,295	15,970	15,970 0 0
Piglings Do. do. ... ..	32	38	8	20	23	25	15	16	105	42	9	17	350	262 8 0
Pigs slaughtered at Arthur Road Slaughter House ... ..	1,351	1,336	1,028	1,240	1,291	1,211	1,089	1,185	1,714	1,607	1,284	1,443	15,779	15,779 0 0
Piglings Do. do. ... ..	39	38	4	22	23	26	15	16	104	41	9	17	354	88 8 0
Slaughtered piglings imported for private consumption in Bombay ... ..	16	5	2	5	2	9	3	7	30	7	5	11	102	76 8 0
Live horned cattle removed to Bombay ... ..	13	2	30	26	20	37	17	57	37	9	7	7	262	1,310 0 0
Live horned cattle removed for shipping ... ..	1	9	26	...	3	8	...	21	8	38	2	7	123	246 0 0
Live horned cattle removed for Bandra ... ..	...	...	...	...	...	...	...	...	...	...	...	5	5	10 0 0
Live horned cattle for private slaughter in Bombay ... ..	10	5	2	...	1	...	1	...	1	3	...	...	33	99 0 0
Live sheep and goats removed to Bandra ... ..	171	200	178	290	201	267	271	249	583	315	1,008	2,897	6,630	2,519 4 0
Do. do. Bombay ... ..	580	794	754	885	575	712	729	805	2,414	900	807	970	10,925	8,193 12 0
Do. do. for shipping ... ..	696	528	567	683	739	804	432	809	377	824	869	781	8,109	2,027 4 0
Live sheep and goats for private slaughter in Bombay ... ..	1	4	2	...	2	...	6	...	...	...	...	2	17	8 8 0
Live sheep and goats removed by DeLisle Road Sheep Market Fadkarees ... ..	746	841	1,066	1,892	2,187	1,610	2,136	2,667	4,397	3,113	2,849	3,516	27,020	20,265 8 0
Live sheep and goats slaughtered in the chamber of DeLisle Road Sheep Market ... ..	139	176	378	614	570	237	489	782	868	630	788	1,046	6,717	839 10 0
<b>Total ... ..</b>	<b>84,714</b>	<b>85,850</b>	<b>94,427</b>	<b>1,00,153</b>	<b>86,240</b>	<b>85,831</b>	<b>91,833</b>	<b>1,01,766</b>	<b>1,16,318</b>	<b>1,14,548</b>	<b>1,09,167</b>	<b>1,22,785</b>	<b>11,93,632</b>	<b>5,89,676 5 0</b>

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D. S. LAUD,  
Superintendent of Markets &  
Slaughter Houses.



STATEMENT I.

Name of Market	Total number of stalls		Average No. of stalls vacant per quarter		Stall rents 1942-43.	Squatters fees, licence fees, etc., 1942-43.	Total gross receipts 1942-43.	Total expenditure 1942-43.	Net receipts 1942-43.	Net receipts 1941-42.	Increase or decrease during the year 1942-43.	Total cost of the Markets upto 31-3-43.	Percentage of Net Receipt on the cost.
	1942-43	1941-42	1942-43	1941-42									
Colaba	41	88	3	54	Rs. 3,774 8 0	Rs. 4,449 5 0	Rs. 8,223 13 0	Rs. 5,271 1 0	Rs. 2,952 12 0	Rs. 2,545 8 0	Rs. +407 4 0	Rs. 97,756 3 11	3.01
Fort	170	170	25	25	18,468 4 0	9,208 12 0	27,677 0 0	10,413 10 0	17,263 6 0	20,480 2 0	-3,216 12 0	4,30,880 0 0	4.006
Arther Crawford	1,021	1,021	83	90	1,88,415 15 0	1,31,406 12 0	3,29,822 11 0	1,04,073 3 0	2,25,749 8 0	1,94,953 4 0	+30,796 4 0	17,73,450 12 1	12.8
Erskine Road	843	843	294	275	71,624 4 3	17,123 5 0	88,747 9 3	33,087 12 0	55,659 13 3	48,753 14 0	+6,905 15 3	5,97,612 10 10	9.3
Bhuleswar	201	201	29	20	19,857 13 0	235 0 0	20,092 13 0	7,336 9 0	12,756 4 0	13,525 9 0	-769 5 0	2,94,217 0 11	4.3
Peddar	46	46	14	16	3,639 2 0	7,187 14 0	10,827 0 0	6,233 10 0	4,593 6 0	2,863 8 0	+1,729 14 0	57,863 4 2	7.9
Pork	3	3	1	2	2,720 0 0	4 0 0	2,724 0 0	1,368 1 0	1,355 15 0	280 2 0	+1,075 13 0	20,880 13 4	6.5
DeLisle Road Sheep	48	48	3	...	6,461 13 0	1,462 0 0	7,923 13 0	5,004 1 0	2,919 12 0	3,639 7 0	-719 11 0	25,000 0 0	11.7
Fergusson Road	34	34	7	8	2,891 9 0	13,679 4 0	16,570 13 0	8,805 0 0	7,765 13 0	10,080 3 0	-2,314 6 0	25,473 5 5	30.4
Parbhadevi	9	9	...	1	1,058 3 0	8,594 1 0	9,652 4 0	4,697 1 0	4,955 3 0	4,842 5 0	+112 14 0	23,819 7 3	20.8
Elphinstone Road	37	37	2	4	7,448 7 0	15,547 15 0	22,996 6 0	8,629 1 0	14,367 5 0	15,691 12 0	-1,324 7 0	31,843 2 0	45.1
Kamatipura	96	96	24	22	4,713 2 0	4,518 7 0	9,231 9 0	5,479 7 0	3,752 2 0	3,123 15 0	+628 3 0	55,498 7 9	6.7
Masjid Bunder	94	94	60	46	1,475 14 0	740 10 0	2,216 8 0	3,650 7 0	-1,433 15 0	-1,058 5 0	-375 10 0	17,346 3 5	-8.2
Chowpetty	71	71	47	47	1,829 10 0	1,096 6 0	2,926 0 0	4,859 12 0	-1,933 12 0	-1,660 1 0	-273 11 0	4,67,280 9 8	-0.41
Dadar	10	10	...	...	3,336 0 0	53,293 9 0	56,629 9 0	19,696 1 0	36,933 8 0	38,788 8 0	-1,855 0 0	1,51,676 11 9	24.3
Gold Mohur Castle	...	...	...	...	...	8,494 12 9	8,494 12 9	10,655 10 0	-2,160 13 3	336 5 9	-2,497 3 0	5,16,603 0 0	-0.41
New Worli	43	...	15	...	7,802 14 0	7,602 13 0	15,405 11 0	4,995 15 0	10,409 12 0	...	+10,409 12 0	1,79,330 6 0	5.8
Total	2,767	2,771	607	610	3,45,517 6 3	2,94,644 13 9	6,40,162 4 0	2,44,256 5 0	3,95,905 15 6	3,57,186 0 9	+38,719 14 3	47,66,532 2 6	

Remarks—Percentage of the net income on the total cost of all the markets comes to 8.3.

D. S. LAUD,  
Superintendent of Markets and  
Slaughter Houses.

# MUNICIPAL PRINTING PRESS.

B.M.P.P. /9/29 of 1943-44.

Bombay, 9th June 1943.

Subject: *Report of the Test Audit Officer on the working of the Municipal Printing Press for the year 1942-43.*

The Municipal Printing Press has been established for doing departmental work only and the actual cost of the work turned out is only charged, as the Press is not worked with a view to making a profit.

The difficulty of getting Paper referred to in the previous year's report was further accentuated during the year under report by the Government Notification dated the 5th February 1942 controlling *inter alia* White and Badami paper, which made it almost impossible to get this kind of paper and other kinds of paper had therefore to be substituted. In order to save paper as much as possible, every job was subjected to a very close scrutiny in the Press and the sizes of forms, etc., revised without affecting efficiency in any way. The economy in paper so effected is shown in the following table:—

Description of paper.	1942-43.		1941-42.	
	Rate per lb.	Quantity consumed.	Rate per lb.	Quantity consumed.
White ... ..	Rs. a. p. 0 7 2	Tons. 17	Rs. a. p. 0 4 7	Tons. 49
Badami ... ..	0 6 6	6	0 4 ½	4
Other kind ... ..	0 13 0	14	...	...
		37		53

Under Standing Committee Resolution No. 1150, dated the 11th November 1942, 100 workers were put on a graded scale of pay and the payment of Grain Compensation Allowance of Rs. 3 per month was increased to Rs. 5 per month with effect from 1st July 1942, to Rs. 7-8-0 per month with effect from 1st September 1942 and to Rs. 10 per month with effect from 1st January 1943. This resulted in increasing the cost of Labour by about 15 per cent.

Though the cost of Paper and other printing materials has gone up by over 100 per cent. and that of Labour by nearly 15 per cent. it will be seen from the statement given below that the cost of some of the typical items compares favourably with that of the previous two years.

Description.	1942-43. per page	1941-42. per page.	1940-41. per page.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Administration Report ... ..	8 8 0	8 3 0	8 5 0
Election Roll ... ..	4 4 0	3 8 0	2 14 0
Budget Estimates ... ..	10 11 0	10 13 0	10 0 0
Agenda and Proceedings of the Corporation and Committees ... ..	3 4 0	2 8 0	2 2 0

A Profit and Loss Account and a Pro-forma Balance sheet as at 31st March 1943 is appended hereto. The transactions for the year closed with a surplus of Rs. 491-0-0 on a total turnover of Rs. 1,78,314.

The Labour staff on 28th February 1943 consisted of 113 effective workers as against 126 workers on 28th February 1942.

B. K. WAGLE,  
Test Audit Officer.

**MUNICIPAL PRINTING PRESS.**  
*Working and Profit and Loss Account as at 31st March 1943.*

LIABILITIES.				ASSETS.			
Dr.	Rs.	a.	p.	Rs.	a.	p.	Cr.
<b>Materials—</b>							<b>Sales—</b>
Paper, etc., stock at the beginning ...	15,601	14	8				Amounts charged to Departments ...
Do. Add Purchases ...	86,705	4	6				Amounts recovered from Private Parties ...
	1,02,307	3	2				
Do. Deduct stock at end ...	34,644	10	2	67,662	9	0	Deduct Work in Progress at the beginning of the year ...
Ink stock at the beginning ...	29	8	0				
Do. Add Purchases ...	312	11	0				
	342	3	0				Add work in Progress at the end of the year ...
Do. Deduct stock at the end ...	62	13	6	279	5	6	
Binding Materials stock at the beginning ...	1,068	15	4				Sale of Paper Cuttings, Metal, Ash, etc....
Do. Add Purchases ...	5,196	14	0				
	6,265	13	4	1,240	8	2	
Do. Deduct stock at the end...	5,025	5	2				
Mono Metal stock at the beginning ...	22,823	0	0				
Do. Add Purchases ...	...						
	22,823	0	0	2,282	0	0	
Do. Deduct stock at the end ...	20,541	0	0				
Materials Non-consumable and Books and Dead Stock at the beginning ...	6,359	8	0				
Do. do. Add Purchases ...	2,159	14	6				
	8,519	6	6	903	8	0	
Do. do. Deduct stock at the end...	7,615	14	6				
				72,367	14	8	
Out-work ...							
Wages ...							
Departmental Expenses—							
Rent ...	6,000	0	0				
Repairs to Machinery, etc. ...	1,146	10	0				
Lighting ...	719	10	0				
Gas Charges ...	322	3	0				
Electric Power ...	1,495	7	0				
Depreciation and Repayment of Capital ...	5,300	15	0				
Interest on Capital ...	7,913	10	0	22,898	7	0	
General Expenses—							
Staff Salaries ...	14,433	4	10				
Proportionate Share of the T. A. O.'s Salary ...	4,978	0	0				
Provident Fund ...	4,301	15	0				
Delivery Charges ...	636	2	0				
Contingencies ...	920	12	0				
Telephone Charges ...	148	4	3				
Advertisement ...	...						
Printing and Stationery ...	1,130	9	0	26,548	15	1	
Net Surplus ...							
				49,447	6	1	
				491	10	3	
				1,82,583	7	0	
							1,82,583 7 0

\* Includes charges for Civil Defence Works.

**MUNICIPAL PRINTING PRESS.**  
*Balance Sheet as at 31st March 1943.*

LIABILITIES.				ASSETS.			
CAPITAL—	Rs.	a.	p.	Rs.	a.	p.	Rs.
(1) Advance from the Net Premia Fund ...	1,62,716	0	0	Plant and Machinery ...			1,77,479
Less—Amount repaid ...	12,956	5	0	Less—Depreciation upto 31-3-1943 ...			23,310
	1,49,759	11	0				1,54,168
(2) Advance from the Surplus Cash Balance ...	4,409	0	0	Plant and Machinery Depreciation Fund Investments (in respect of Machinery purchased from Surplus Cash Balance, (Vide Contra) ...			2,746
				Wook in Progress ...			19,138
Plant and Machinery Depreciation Fund Account ...				Stock of Paper, etc. ...			39,732
				Mono Metal—Balance as per last year ...	22,823	0	0
				Do. Additions during the year ...			
					22,823	0	0
				Less—Written off ...	2,282	0	0
							20,541
				Materials Non-Consumable ...			
				Balance as per last year ...	4,656	10	0
				Additions during the year ...	1,786	12	0
					6,443	6	0
				Less—Written off ...	695	15	0
							5,747
				Books and Dead Stock—			
				Balance as per last year ...	1,702	14	0
				Additions during the year ...	373	2	6
					2,076	0	6
				Less—Written off ...	207	9	0
							1,868
Outstanding Advance on 31-3-1943 ...				Bills due from Departments ...	6,231	7	0
				Do. Private Parties ...	128	1	0
							6,359
Assets purchased out of the Revenue...				Lino Metal ...			7,584
				Dead Stock ...			6,614
							14,198
							4 0
							2,64,500
							9 4

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

No. E.H./15/SR. OF 1943-44.

Bombay, 19th June 1943.

Subject : *Administration Report for the year 1942-43.*

### *Advisory Medical Board.*

During the year, the Advisory Medical Board held 10 meetings inclusive of one General Meeting of the Honorary and Professorial Staff.

2. Dr. Jivraj N. Mehta, M.D.(Lond.), M.R.C.P.(Lond.), F.C.P.S.(Bom.), continued to hold charge of the post of Dean of the K.E.M.Hospital and Seth G.S. Medical College till 29th August 1942 when he retired from Municipal service due to superannuation. Dr. J. P. Padshah, M.D.(Lond.), F.C.P.S.(Bcm.), was appointed as Dean of the K.E.M. Hospital and Seth G.S. Medical College by the Corporation on 15th September 1942 and he was in charge of the two institutions from 23rd September 1942 till the end of the year. During the interval the duties of the Dean pertaining to the K. E. M. Hospital and Seth G. S. Medical College were carried out by Captain R. E. Dadachanji, M.B.B.S., Assistant Dean and Dr. R. P. Koppikar, M.S. (Bom.), Professor of Anatomy respectively.

### *Honorary Staff.*

3. Drs. M. D. D. Gilder and P. C. Bharucha, Hon. Consulting Physicians and Hon. Lecturers in Medicine retired from 28th July 1942 and 31st December 1942, respectively.

4. Dr. M. J. Shah, M.R.C.P. (Lond.), M.R.C.S. (Eng.), D.T.M. & H., (Lond.), was appointed as Honorary Physician and Hon. Lecturer in Medicine from 1st June 1942.

5. Dr. R. J. Katrak, F.R.C.S. (Eng.), M.Ch., Orth., (L'pool) was appointed as Honorary Orthopaedic Surgeon and Honorary Lecturer in Orthopaedics from 2nd April 1942.

6. Prof. V. R. Khanolkar, B.Sc., M.D. (Lond.), Professor of Pathology and Bacteriology, was appointed as Hon. consulting Pathologist on 6th September 1942 and on his retirement Dr. R. G. Dhayagude, M.D.(Bom.), was appointed permanently in his place as Professor of Pathology and Bacteriology.

7. Capt. R. E. Dadachanji, M.B.B.S., Hon. Lecturer in Medical Jurisprudence and Toxicology, retired on 1st October 1942 and Dr. V. V. Jadhav, M.B.B.S., (Bom.), was appointed to that post from 1st February 1943.

8. Dr. G. T. Mody, D.O. (Oxon.), M.R.C.S. (Eng.), Honorary Ophthalmic Surgeon, retired due to superannuation from 29th December 1942 and was appointed as Hon. Consulting Ophthalmic Surgeon to the K. E. M. Hospital from that date. Dr. S. N. Cooper, D.O. (Bom. & Oxon.) D.O.M.S., (Lond.), was appointed as Hon. Ophthalmic Surgeon in his place.

9. Dr. C. B. Dhurandhar, D.O. (Bom.), was appointed as Honorary Assistant Ophthalmic Surgeon from 29th December 1942.

10. Dr. K. M. Masani, M.D. (Lond.), F.R.C.S. (Eng.), was appointed as Hon. Gynaecologist and Hon. Lecturer in Midwifery and Gynaecology from 16th December 1942.

11. Dr. G. M. Phadke, F.R.C.S. (Eng.), was appointed as Honorary Surgeon and Hon. Lecturer in Surgery from 1st March 1943 and Dr. P. K. Sen, M.S. (Bom.), was appointed as Hon. Assistant Surgeon in place of Dr. Phadke with effect from 8th March 1943.

### THE HOSPITAL.

12. The 432 beds of the Hospital were fully occupied during the year under report. They are distributed as under :—

Department.	Men.	Women.	Children.	Total.
Medical	108	36	10	154
Surgical	105	35	12	152
Gynaecological	...	35	...	35
Ophthalmic	16	16	...	32
Aural	10	3	8	21
Skin and Venereal	18	2	...	20
Casualty	6	...	...	6
Isolation	6	6	...	12
<b>Total</b>	<b>269</b>	<b>133</b>	<b>30</b>	<b>432</b>

13. The total number of in-patients admitted during the year was 12,782 as against 13,135 and 12,575 during 1941 and 1940, respectively.

### *Extension of the Hospital.*

14. The programme of Hospital Extension was considerably affected by the war. No additional works were taken up during the year under report.

*Number of patients treated in 1942 and the total expenditure incurred during 1942-43.*

15. The statistical tables attached to this report record in detail the number, attendance, etc., in all the departments of the Hospital and the number and nature of operations performed during the period under report. So far as the in-patient work is concerned, there have often been extra patients over the scheduled number in the Hospital, the maximum number of in-patients on a single day being 520 thus making their nursing and care extremely difficult.

Particulars.	Figures for 1942.	Figures for 1941.
(a) IN-PATIENTS—		
1. Scheduled strength of beds	432	432
2. Daily average No. of in-patients	456.3	450.5
3. Total No. of new in-patients treated	12,782	13,135
4. Average No. of days each patient was resident	11.88	12.14
(b) OUT-PATIENTS—		
1. Total No. of new out-patients	1,15,695	1,25,699
2. Daily average No. of new out-patients	288	393
3. Total No. of out-patient attendance	3,77,203	4,14,936
4. Daily average No. of out-patient attendance	1,200	1,326
5. No. of casualty patients included in No. 1 above	26,258	25,656
(c) OPERATIONS—		
1. Total No. of operations on in-patients	5,341	5,340
2. Total No. of operations on out-patients	11,065	11,450

16. Out of the total number of 13,232 in-patients (12,782 admitted during the year under report and 450 previous year's balance), 4,569 were cured, 5,412 were discharged relieved, 1,619 either left the Hospital against medical advice or were otherwise discharged and 1,151 died leaving a balance of 481 patients at the end of the year. Out of 1,151 deaths, 348 died within the first 24 hours of admission, 230 after 24 hours but within 3 days of admission and the remaining 573 after 3 days of admission into the Hospital.

17. It may be mentioned that the highest number of out-patient attendance on any one day during the year 1942 was 1,760 the highest number of new admissions in the out-door department on a single day being 445. Likewise the highest number on a single day of old cases treated was 1,390, of casualty cases 136 and of in-patients admitted 87.

18. The total expenditure incurred on the maintenance of the Hospital during the year including liabilities outstanding at the end of the year and exclusive of cost on the extension scheme, approximately amounted to Rs. 7,21,780 including grain compensation allowance of Rs. 30,100. This expenditure includes the cost of maintenance and treatment of in-patients, the cost of the out-patient department, of the resident medical, nursing and labour staff as well as that of the administration and of the maintenance and repairs of buildings, etc. Besides the total expenditure of Rs. 7,21,780 an amount of Rs. 37,535 was spent for the purchase of a new X-Ray apparatus for diagnostic purposes and a valve for the same during the year.

19. The following table illustrates the relative cost per in-patient and out-patient per day, during 1942-43, 1941-42 and 1940-41 respectively.

Particulars.	1942-43.	1941-42.	1940-41.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
(a) Average cost per in-patient per day	3 4 8	3 0 2	2 15 3
(b) Average cost per in-patient admission	42 6 1	38 0 3	36 7 2
(c) Average cost per out-patient attendance	0 7 2	0 6 8	0 5 8
(d) Average cost per out-patient admission	1 9 11	1 6 0	1 3 9

20. The details of the cost per in-patient per day, for 1942-43, 1941-42 and 1940-41 will be seen from the following table:—

Year.	Diets.	Drugs, dressings, surgical appliances etc.	Stores and Linen.	Heating and lighting.	Miscellaneous.	Establishment.	Repairs to buildings and Engineering	Total.
1942-43	Rs. a. p. 0 8 10	Rs. a. p. 0 8 6	Rs. a. p. 0 2 11	Rs. a. p. 0 2 6	Rs. a. p. 0 1 6	Rs. a. p. 1 10 2	Rs. a. p. 0 2 3	Rs. a. p. 3 4 8
1941-42	0 7 0	0 7 8	0 3 6	0 2 5	0 1 8	1 7 11	0 2 0	3 0 2
1940-41	0 7 5	0 6 8	0 2 8	0 1 1	0 1 11	1 9 6	0 2 0	2 15 3

21. The following table gives the average cost of every new out-patient admission completely treated during the year in comparison with that for the previous two years:—

Year.	Drugs, dressings, surgical appliances etc.	Stores and Linen.	Heating and lighting.	Miscellaneous.	Establishment.	Repairs to buildings and Engineering	Total.
1942-43	Rs. a. p. 0 7 10	Rs. a. p. 0 1 2	Rs. a. p. 0 0 5	Rs. a. p. 0 0 7	Rs. a. p. 0 15 4	Rs. a. p. 0 0 7	Rs. a. p. 1 9 11
1941-42	0 6 9	0 0 11	0 0 5	0 0 4	0 11 4	0 2 3	1 6 0
1940-41	0 7 0	0 0 9	0 0 2	0 0 4	0 10 3	0 1 3	1 3 9

It may be stated that the actual cost incurred on patients (in-patients as well as out-patients) under drugs surgical appliances, etc., is exclusive of the cost of the expensive drugs, injections, blood transfusions etc., met out of the Poor Box Charity Fund amounting to Rs. 14,600 during the year as was done in previous years. A reference in this connection is invited to paragraph 32 below and to Appendix No. 20.

*Motor and Mill accident cases.*

22. The following table indicates the number of motor and mill accident cases treated during the year in comparison with that of the previous years :—

---	MOTOR ACCIDENTS.				MILL ACCIDENTS.			
	Treated in the casualty department.		Admitted.		Treated in the casualty department.		Admitted.	
	1942.	1941.	1942.	1941.	1942.	1941.	1942.	1941.
Male ...	337	425	136	156	3,140	3,076	156	151
Female ...	37	71	14	22	95	69	7	2
Children {	Male	47	64	19	26	...	...	...
	Female	21	38	10	11	1	...	...
Total ...	442	598	179	215	3,236	3,145	163	153

23. It is interesting to note that 4,140 certificates under the Workmen's Compensation Act and 513 certificates with medical opinion were issued during the year. There was a small increase in the number of mill accident cases which may probably be attributed to the mills working double shift during the year.

24. 237 cases were treated in the Hospital for poisoning and 93 for animal bites during the year as shown hereunder with the following results :—

Nature of poisons.	Cured.	Relieved.	Otherwise.	Died.	Total.
Metals and their salts ...	4	3	1	3	11
Caustic alkalies ...	1	...	...	...	1
Non-metals and their compounds ...	4	...	...	...	4
Organic poisons ...	87	63	2	15	167
Food poisoning ...	25	4	...	...	29
Poisonous gases and vapours ...	4	9	...	...	13
Unknown poisons ...	6	6	...	...	12
Total ...	131	85	3	18	237
Animal bites ...	44	33	12	4	93

*Nursing Staff.*

25. The arrangement of sending three nurses to the Arthur Road Hospital for attendance on fever cases every two months was continued during the year.

• 26. During the year 46 nurses were trained out of whom 29 have passed the nursing examinations held by the Bombay Nurses, Midwives & Health Visitors' Council.

27. The cost of the nursing establishment works out at Rs. 85-10-0 per nurse, per mensem, against Rs. 85-5-0 in the previous year. It includes not only the cost of salaries, uniform and dhobi allowances and honoraria paid to the medical staff giving instruction in the nursing school, but also their mess charges, the cost of electric energy consumed and repairs to their quarters, household, linen and crockery. The increase of annas five per nurse per mensem is due to the increased rates on account of the war for the supply of provisions for the nurses. The *pro-rata* rent for quarters provided to the menial staff employed in the Nurses' Home and the Municipal Provident Fund contributions are not included in the above figures.

*Nurses Welfare Fund.*

28. The Nurses' Welfare Fund inaugurated for promoting the welfare of the nursing staff of this Hospital continued to be of material help to them. Thanks are due to the ladies helping in the maintenance of this Fund and for the keen interest they have taken in the welfare of the nursing staff during the year and to all those firms and individuals who have contributed towards the Fund either in cash or in kind.

29. Thanks are also due to the Proprietors of the 'Nawakal', the 'Times of India', and the 'Illustrated Weekly of India' for the supply free of charge of one copy of each of the publications. Due to the Government order restricting the use of newsprint, the latter two publications were stopped by the Publishers with effect from 15th March 1943.

*School Clinic.*

30. The treatment of school children attending the Municipal Primary Schools was continued during the year. 1,506 new children were treated in the different departments of 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 7,856 as against 7,774 treated in the previous year. 82 school children were operated upon in the Aural department, and 5 in the Ophthalmic department. Five minor operations were performed in the minor Surgery department in the outdoor. 6 fractures were corrected and treated. Refraction of vision was done in 98 cases and glasses were prescribed to 47 children including one to whom a pair of dark glasses was given. One child was fitted with artificial eye and 2 children were given eye shades. 8 children were admitted as in-patients and were treated for various disorders.

31. The total cost of the Clinic at the K.E.M. Hospital amounted to Rs. 8,919-13-0. A detailed report of the School Clinic has been forwarded to the Executive Health Officer.

*Poor Box Charity Fund.*

32. The Poor Box Charity Fund from which relief is rendered to poor patients for providing them with spectacles, crutches, trusses, artificial limbs, travelling expenses, etc., has received steady support from the public as well as from the patients of this Hospital, as will be seen from Appendix No. 20. Besides relief in the shape of blood transfusion, costly drugs, medicines, injections, travelling expenses etc., the following appliances, were provided to 150 patients at a total cost of Rs. 1,647-9-0 as shown below :—

Particulars.	Nos.	Particulars.	Nos.
Spectacles	70 pairs.	Rubber urinal.	1
Crutches, ordinary	19	Thomas's Walking caliper.	1
Dentures	5 Nos.	Hernia truss.	1
Artificial legs	11 Nos.	Leather wristlet.	1
Taylor's braces	4	Thomas's back brace.	1
Surgical boots	3 pairs.	Thomas's knee splint.	1
Jole's Spinal frames	3 Nos.	Elephant boot.	1
Tracheotomy tubes, silver	3	McCurray's splint.	1
Jole's abduction frames	2	Abdominal "	1
Walking calipers	2	Fairbank's abduction frame.	1
Sayer's Extension apparatus	2	Artificial leg repaired.	1
Goggles.	1 pair.		

33. It may be added that it was possible to provide blood transfusion to 149 cases during the year under report with the help of donors to whom payment was made from this Fund.

34. The question of creating a Trust of the moneys of the Poor Box Charity Fund amounting to Rs. 1,40,000 for utilising the same for the construction and maintenance of a Convalescent Home for patients discharged from the K. E. M. Hospital, is still under the consideration of the Corporation.

35. The following major as well as other smaller donations were received and acknowledged with thanks during the year :—

	Rs.		Rs.
1. Shantilal Mathuradas Parikh, Esq.	2,100	29. Messrs. Standard Vacuum Oil Co., Ltd.	100
2. Messrs. Bombay Dyeing & Mfg., Co.	501	30. Messrs. The Bombay Garage	100
3. Messrs. E. D. Sassoon Co., Ltd.	500	31. R. D. Birla, Esq.	100
4. Sir Chunilal B. Mehta, Kt.	500	32. Messrs. Alock Ashdown & Co., Ltd.	100
5. Mrs. D. N. Cama	400	33. Messrs. Finlay Mills, Ltd.	100
6. The Millowners' Association	400	34. Messrs. Swan Mills, Ltd.	100
7. Messrs. Burmah Shell Oil Storage & Distributing Co.	400	35. Messrs. Imperial Chemical Industries, (India), Ltd.	100
8. Capt. P. T. Muzumdar	400	36. Mrs. Bapsy Sabavala	100
9. Messrs. National Studios, Ltd.	350	37. Messrs. Century Spg., & Mfg., Co., Ltd.	100
10. Adi C. P. Wadia, Esq.	301	38. Messrs. Andhra Valley Power Supply Co., Ltd.	100
11. The B. E. S. & T. Co., Ltd.	300	39. Messrs. Tata Hydro-Electric Power Supply Co., Ltd.	100
12. Messrs. Wolverhampton Works, Ltd.	250	40. Dr. Mrs. Margaret M. Pakenham-walsh, M.R.C.P. (Lond.).	100
13. Messrs. General Motors (India), Ltd.	250	41. Govindram Sekseria, Esq.	100
14. J. R. D. Tata, Esq.	200	42. N. M. Fenani, Esq.	58
15. Messrs. Tata Power Co., Ltd.	200	43. Messrs. Morarji Goculdas Spg., & Mfg., Co., Ltd.	51
16. M. D. Meyers, Esq.	175	44. Mahomedbhoj I. M. Rowji, Esq.	51
17. Ramchandra Vyas, Esq.	151	45. N. L. Divekar, Esq.	50
18. D. N. Daftary, Esq.	125	46. Messrs. Indian Oxygen & Acetylene Co., Ltd.	50
19. Messrs. Zandu Pharmaceutical Works, Co., Ltd.	101	47. Miss A. C. Bharucha	50
20. Messrs. Habib Bank, Ltd.	101	48. Messrs. Godrej & Boyce Mfg., Co., Ltd.	50
21. Messrs. Hindusthan Spg., & Mfg., Co., Ltd.	100	49. Messrs. Modern Mills, Ltd.	50
22. Messrs. Indian Mfg., Co., Ltd.	100	50. Messrs. Comptoir National d'Escompte de Paris	50
23. Messrs. Western India Spg., & Mfg., Co., Ltd.	100	51. Messrs. Gannon Dunkerley & Co., Ltd.	50
24. Daulatram Ashanand, Esq.	100	52. Messrs. Bombay Gas Co., Ltd.	50
25. Messrs. Digvijaya Spg., & Mfg., Co., Ltd.	100	53. Messrs. Martin & Harris Ltd.	50
26. Messrs. Tata Sons, Ltd.	100	54. Sir Purshotamdas Thakurdas, Kt.	50
27. Messrs. H. J. Foster & Co., Ltd.	100	55. Messrs. Narayandas Rajaram & Co.	50
28. Messrs. Hirjee Mills, Ltd.	100	56. Messrs. Union Bank of India, Ltd.	50

Other minor donations of less than Rs. 50 are not shown above.

*Hospital Pharmacopoeia.*

36. The printing of the third edition of the Hospital Pharmacopoeia has been taken in hand and the new edition will be available for use soon.

**The College.**

37. During the year 82 fresh admissions were made in June, 1942. An educational survey of these students shows that their average age at the time of their admission was 19.5; it being 17.2 when they Matriculated. The corresponding ages in the previous years were 19.82 and 17.28 years, respectively. 79 of these students were single, 1 married and 2 betrothed. A statistical study of the occupations of the parents or guardians of the newly admitted students shows that 25 were dependent on service, 20 on business, 16 on medical profession, 9 on legal profession, 3 on pensions, 3 on landed property, 2 on agriculture, 2 on miscellaneous occupations and 2 had no occupation.

38. The number of undergraduate students on the College roll at the close of the year was 470, which included 85 lady students, and that of post-graduate and research students was 74 as shown below :—

	Male students.	Female students.
1st M.B., B.S. 1st year	65	17
2nd year	92	24
2nd M.B., B.S. 3rd year	58	12
4th year	54	13
3rd M.B., B.S. 5th year	116	19
Total number of students	385	85
Post-graduates including research students	66	8
Grand total	451	93

39. Thanks are due to the authorities of the Bai Jerbai Wadia Hospital for Children for continuing the facilities given to the students of this College for clinical instruction in the diseases of children at that Hospital during the year.

40. The results of the various examinations for which students were sent up by the College are summarised below :—

Examinations.		Candidates sent up.	No. passing the whole examination.
1st M.B.B.S.	April 1942	90	50
	Oct. 1942	35	20
2nd M.B.B.S.	April 1942	49	36
	Oct. 1942	26	21
3rd M.B.B.S.	April 1942	74	28
	Oct. 1942	40	10
	Dec. 1942	51	14
M.D. (Medicine)	April 1942	3	1
	Oct. 1942	3	...
M.D. (Pathology)	April 1942	2	...
	Oct. 1942	2	2
M.D. (Midwifery)	April 1942	4	1
	Oct. 1942	3	1
M.S.	April 1942	4	1
	Oct. 1942	3	...
D.O.	April 1942	1	...
	Oct. 1942	2	...
D.O.M.S.	June 1942	3	1
	Dec. 1942	2	...

#### Annual Cost and Revenue.

41. The total expenditure of the College, including the expenditure on the Hostels, came to Rs. 2,75,115 including Grain Compensation Allowance during the year as against Rs. 2,74,018 in 1941-42. The revenue of the College in the form of tuition fees, hostel rent and miscellaneous receipts amounted to Rs. 1,24,030 as against Rs. 1,18,751 in 1941-42. The gross cost per student for the year under report comes to Rs. 585.4 while the net cost works out at Rs. 321.5 as compared with the corresponding figures of Rs. 621.3 and Rs. 352.1 respectively, for 1941-42. The amount of fees received from the post-graduate students was Rs. 3,405.

#### Library and Museum.

42. During the year 345 new books were added to the College Library as against 241 in the preceding year. Of these 6 books were presented to the Library by their authors as complimentary copies for which thanks are due to them. The number of books issued to the medical students was 13,694 as against 14,031 in the preceding year. 3,561 books and journals were issued to the members of the Teaching Staff of the College and Resident Medical Officers of the K.E.M. Hospital. A special library room for the staff was provided during the year.

43. The College is much indebted to Dr. M. D. D. Gilder, M.D., (Lond.), F.R.C.S., (Eng.), Honorary Consulting Physician to the K. E. M. Hospital, for presenting to the College Library a gift of 80 Year Books from the Practical Medicine series on various subjects from the year 1913 onwards. Another valuable addition to our existing stock of books was a gift of 48 volumes of old books and 127 volumes of old medical periodicals received from the Director of the Central Research Institute, Kasauli. Our grateful thanks are due to the Institution for this kind offer. 21 books were received from the Victoria and Albert Museum as they were not required in the Museum Library. The Gujarati and Marathi Literary Societies of the College presented 12 books to the Library out of the proceeds collected by them from a dramatic performance. Miss K. A. Dalal, a student of this College, presented 4 books in memory of her father, the late Seth Amarchand Kalidas Dalal. One book was presented by the College Gymkhana. To all the donors we offer our grateful thanks.

44. 67 New wet and dry specimens were added to the Anatomy Museum during the year and 83 old specimens were renewed. The total number of specimens in the Anatomy and Comparative Anatomy Section now comes to over 1,650. The present space in the Museum is found quite insufficient to keep more specimens and provision of further accommodation for this Section is necessary.

45. 78 New specimens were added to the Pathology Museum while a number of old specimens which deteriorated was rejected. 299 Old specimens were remounted during the year; thus bringing the total specimens to over 1,430 in the Pathology Section of the Museum. 6 X-Ray dia-positives were added to the Museum bringing the total to 144 at the end of the year.

46. In the Artist Department 233 photographs of patients, specimens, etc., were taken during the year.



*Students' Hostels.*

47. The number of students residing in the Hostel for male students during the year was 146 being the same as in the previous year.

48. The number of lady students residing in the Lady Students' Hostel during the year was 28 i.e. the same as in the previous year. Both the Hostels were fully occupied and some of the applications for rooms in the Hostels had to be rejected for want of accommodation.

49. The total expenditure incurred on the Hostels, inclusive of non-recurring expenditure, was Rs. 9,701 while the income derived in the form of rent was Rs. 18,243.

*Gymkhana.*

50. There were only two Inter-collegiate tournaments held during the year and the College Gymkhana took part in both of them. In cricket our College reached the semi-finals, but unfortunately lost to the Elphinstone College after a good fight. In Tennis tournaments, Miss M. S. Dalvi won the individual championship amongst ladies.

*Research.*

51. The different departments of the College and the Hospital had, in addition to their normal teaching and other work, the following investigations in hand during the year.

*(1) Metabolism of Calcium in Health and Disease.*

(This enquiry was carried out under the auspices of the Indian Research Fund Association).

This enquiry which was in progress for the last few years was closed at the end of the year. The investigation of the chemical constituents of blood serum in induced rickets has shown that the serum becomes under saturated with regard to the  $\text{CaHPO}_4$  and  $\text{Ca}_3(\text{PO}_4)_2$ . A similar study of clinical rickets has yielded confirmatory results.

*(2) The Biological value of Soya bean and other proteins.*

(This enquiry is being carried out under the auspices of the Indian Research Fund Association).

Experiments were carried out to compare the nutritive value of soya bean with other pulses, viz., Bengal gram, tur dal and green gram. The biological value of proteins of soya bean and other pulses is being determined by the metabolism and growth methods. Similar experiments to find out the effect of supplementing a poor rice diet by soya bean and other pulses were also carried out.

*(3) The Minimum and Optimum requirements of dietary fat.*

(This enquiry is being carried out under the auspices of the Indian Research Fund Association).

This investigation has been undertaken with a view to find out the minimum and optimum levels of fat intake in the tropics.

Samples of blood serum from healthy male adults between 20 and 40 years of age were analysed for the determination of different lipid constituents. The subjects belonged to (1) the middle class with a liberal fat intake and (2) the poor class whose fat intake was low.

The following determinations were made on all samples of blood serum :—

- (1) Total lipoids ; i.e., fatty acids and cholesterol ; (2) cholesterol ; (3) Iodine value of the fatty acids and (4) lipid phosphorus.

*(4) The Role of Corpus Luteum in the maintenance of Vitamin 'C' balance of the body in woman.*

The investigation is in progress and the results of several individual samples of urine examined for the last 2 years (each sample was analysed from day to day continuously for three months with a view to estimate the Vitamin 'C' excretion during and after menstruation) are being subjected to statistical analysis in order to draw conclusions. The artificial production of Corpus Luteum in experimental animals for the assessment of vitamin 'C' in tissue cells and body fluids will be undertaken after the completion of the statistical scrutiny and observation of the results. The cost of this enquiry is met from the College grants.

*(5) The incidence and Causation of Glycosuria in Pregnancy.*

540 pregnant women attending the ante-natal clinic and ante-natal ward of the Nowrosjee Wadia Maternity Hospital, Parel, Bombay, and the Hospital for Women and Children were examined. Their diet, as far as it could be gathered from personal history, was in most cases lacking in fruits. The cereal consumed consisted chiefly of rice.

The urine of these on examination showed that sugar was present in a very large number of cases. This sugar was proved to be glucose in 99.3 per cent., of cases. Only 0.7 per cent., of cases and that too nearing full term showed lactose in urine. The percentage increase of these glycosuria cases showed a gradual and a definite rise from month to month as pregnancy advanced.

It was further noted that the incidence of glycosuria was higher in multipara than in primipara, in vegetarians than in non-vegetarians and in women taking a diet poor in vitamin 'C' and 'Ca' than in those taking diet rich in these ingredients.

Glucose tolerance tests of these glycosuria cases indicated that 99.26 per cent., were cases of Renal Glycosuria and 0.74 per cent., of Pancreatic Glycosuria. These Renal Glycosuria cases revealed a relatively low Ca and Vitamin 'C' content in blood although the non-protein nitrogen content was normal. In these cases the percentage of urea in the urine was found to be within the average normal limits. Administration of suitable doses of calcium and vitamin 'C' caused a disappearance of glucose from the urine in each and every case of these benign glycosuria patients. This was due to a rise in the level of the Renal threshold for glucose. Later on vitamin 'C' and Ca were separately administered in adequate doses. It was noted that each of the two substances separately was not as efficacious as the combination and that vitamin 'C' administration alone raises the Renal Threshold for glucose to a greater extent than that of Ca administration only.

The effects of a suitable dose of calcium and vitamin 'C' on a few renal glycosuria cases in the males were studied and a rise in the renal threshold for glucose was also observed in those cases.

This inquiry, the cost of which was met from the College grants, began in June 1940, and terminated in April 1943.

*(6) The effect of Vitamin D on the colloid osmotic pressure of serum.*

This enquiry was started in July 1941 and brought to a close during the year. The total number of samples examined was 32. The investigation of the viscosity and surface tension of normal, rachetic and hyper

vitaminosis serum was next taken up and 26 samples have been examined so far. The cost of this enquiry was met from the College grants.

(7) *The time constants of excitation and accommodation of nerves for exponential currents of different strengths.*

The time constants of excitation and accommodation of nerves for exponential currents of different strengths employing sciatic gastro nemius preparations have been determined. The total number of determinations made so far is 14.

(8) *Determination of the exact period of ossification of bones amongst Indian school children.*

(This work is being carried out in the Anatomy department with the help of a grant from the University of Bombay).

The work on this enquiry which was started in 1941 is in progress.

(9) *Development of body parts of children between 6 and 11 years of age.*

(This enquiry is being carried out in the Anatomy department with the help of a grant from the Seth G. S. Medical College and K. E. M. Hospital Research Fund).

The work on this enquiry was in progress during the year.

(10) *Bacteriophage action in E. typhi.*

(This enquiry is being carried out with the help of a grant from the Seth G. S. Medical College and K. E. M. Hospital Research Fund).

This is a continuation of the work which was carried out on "Flora and Fauna of the Dadar Sewage Purification Work". A very specific type of Bacteriophage acting on certain strains of *E. typhi* was isolated from sewage. It has a powerful lytic effect in vitro. Its effect in vivo is being studied in guinea-pigs and mice.

(11) *Variation in the Virulence of M. Tuberculosis.*

(This enquiry is being conducted under the auspices of the Indian Research Fund Association).

This enquiry is an extension of the work which was carried out in the Pathology Department on "Reliability of guinea-pig inoculation test in the diagnosis of human tubercular affections."

(12) *Enquiry on "Anaerobic wound infections."*

(This enquiry is being conducted under the auspices of the Indian Research Fund Association).

The incidence of different pathogenic anaerobes is determined and an investigation is carried on toxigenic and atoxigenic strains of *Cl. Welchii*. Chemotherapeutic effect of sulphathiazole in experimental gas gangrene is also contemplated.

(13) *Bacteriological and biochemical study of the Aroma Producing Micro-organisms in Curds, Butter and other milk products."*

(This enquiry is being carried out with the help of the grant from the Seth G. S. Medical College and K. E. M. Hospital Research Fund).

This is an important micro-biological problem and has an industrial application. Various strains of streptococci are used for preparation of curds and butter, and the content of diacetyl which gives the aroma is being worked out.

(14) *Incidence of Malarial Granulomata in Cerebral Malaria.*

The histological basis of malarial psychosis is not well worked out. This study was made from autopsy material and it is seen that in 30 per cent. of cases of cerebral malaria, lesions of the nature of malarial granulomata are detected. The cost of this enquiry is met from the College grants.

(15) *Enquiry on Indigenous drugs.*

(This investigation is carried out under the auspices of the Indian Research Fund Association).

This enquiry which is being conducted for the last four years in the Pharmacology department, was continued during the year under report and work was done on the following drugs :—

- (1) *Carica Papaya* seeds.
- (2) *Sphaeranthus Indicus*, capitulas.
- (3) *Demia extensa*, whole plant.
- (4) *Erythriana indica* seeds.

A crystalline substance m.p. 164.5 has been isolated from drug No. 1. Its chemical study is going on while its pharmacological investigation is nearing completion. From drug No. 2 an essential oil has been obtained. Investigations on the remaining two drugs are in progress and quarterly reports on the results of the work on all these drugs have been submitted to the Indian Research Fund Association.

52. Articles on medical subjects were published by the members of the Honorary, Professorial and other staff during the year as mentioned below. The articles published in the College Magazine are not included herein.

Serial No.	Name of the article.	Contributed by.	Name of the Journal publishing it.
1	Shock and its treatment	Dr. R. N. Cooper, M.S. (Lond.), F.R.C.S. (Eng.)	Indian Physician, July 1942.
2	Digitalis Therapy	Dr. N. D. Patel, M.D. (Lond.), M.R.C.P. (Lond.)	Indian Physician, January 1942.
3	Observations on Pellagra in Bombay	Dr. N. D. Patel, M.D. (Lond.), M.R.C.P., (Lond.) and Dr. P. A. Shah.	Indian Physician, February 1942.
4	Peripheral circulatory failure	Dr. N. D. Patel, M.D., M.R.C.P. (Lond.)	Indian Physician, July 1942.
5	Massive Fatty infiltration in a Colloid Goitre	Prof. R. G. Dhayagude, M.D. (Bom.)	Archives of Pathology, March 1942.
6	Pneumococcal Pneumonia a note on its treatment with sulphapyridine and serum.	Dr. M. J. Shah, M.R.C.P., D.T.M. & H. (Lond.)	Indian Physician, April 1942.
7	Scabies	Dr. J. A. Fernandez, M.R.C.S. (Eng.), M.R.C.P. (Lond.)	Indian Physician, December 1942.
8	Early diagnosis of pulmonary tuberculosis	Dr. R. J. Vakil, M.D., M.R.C.P. (Lond.)	Indian Physician, June 1942.
9	An enquiry into the electrical Axis Deviation of electrocardiograms from 50 normal children of school age.	Dr. R. J. Vakil, M.D., M.R.C.P. (Lond.)	Indian Physician, August 1942.
10	Benign Lymphatic Meningitis	Dr. R. J. Vakil, M.D., M.R.C.P. (Lond.)	Indian Physician, October 1942.
11	Radiological Diagnosis of Pericardial Effusion	Dr. R. J. Vakil, M.D., M.R.C.P. (Lond.)	Indian Physician, December 1942.
12	A Preliminary Note on Anthropometric Investigation of Bhils.	Dr. G. M. Kurulkar, M.B., B.S.	Journal of Gujarati Research Society, October 1942.
13	Blood Transfusion	Dr. R. G. Ginde, M.S.	Indian Physician, July 1942.
14	Non-specific Protein Therapy	Dr. J. C. Patel, M.D., M.R.C.P., (Lond.), Ph. D. (Phys.), (Lond.)	Indian Physician, September 1942.
15	Diagnosis of Gastric Disorders	Dr. J. C. Patel, M.D., M.R.C.P. (Lond.) Ph. D. (Phys.), (Lond.)	Indian Physician, November 1942.
16	Health of Polish Refugee children during their stay in Bombay.	Dr. J. C. Patel, M.D., M.R.C.P. (Lond.), Ph. D. (Phys.), (Lond.)	Indian Physician, November 1942.
17	Medical treatment of Menorrhagia	Dr. B. N. Purandare, M.D. (Bom.), F.R.C.S. (Edin.)	Indian Physician, February 1943.
18	Medical treatment of Hypomenorrhoea and Oligomenorrhoea.	Dr. B. N. Purandare, M.D., (Bom.), F.R.C.S. (Edin.)	Indian Physician, March 1943.
19	Prevention of Diabetes Mellitus	Dr. C. C. Merchant, M.B., B.S.	Indian Physician, April, May, June, August and September 1942.

53. Special classes for D.O., and D.O.M.S., were held during the year as in previous years.

#### The Co-operative Credit Society, Ltd.

54. The Co-operative Credit Society of the labour staff of the Hospital and the College worked satisfactorily and continued to be in 'A' class in the classification of the Registrar of Co-operative Societies. The total number of members on the roll at the end of March 1943 was 238 against 248 on the corresponding date of the previous year. Thirty new members joined the society and forty left it during the period. The decrease was due to the members leaving service in the Hospital.

55. The share capital of the Society decreased from Rs. 15,496 to Rs. 13,472-8-0 by the end of March 1943. The drop in the capital was due to the policy of refunding the share subscription in excess of Rs. 50 in accordance with the Resolution of the General Body. This facility was introduced for the sake of helping those members who preferred to draw upon their savings instead of taking a loan from the Society. The total amount of the loans granted amounted to Rs. 16,785 and of the loans refunded to Rs. 18,065. The average amount of loan granted comes to Rs. 121 per member. During the year the Society paid off all fixed deposits taken from outsiders and it is financially independent of outside assistance.

56. The Society held its last Annual General Meeting on 30th September, 1942, and declared a dividend of 5 per cent., for the year ending 30th June 1943. The net profit during the year amounted to Rs. 1,236-15-6. The reserve fund of the Society on 31st March 1943 stands at Rs. 1,604-6-6 and other funds amount to Rs. 861-15-6.

#### General.

57. The war has had its repercussions on these institutions also. It has become extremely difficult to obtain medical supplies and other materials for the relief of patients in sufficient quantities. The cost of these articles is also rising steadily. The Extension Scheme of the Hospital had therefore to be kept in abeyance for want of funds and materials.

58. In August 1942 disturbances took place in the City following the arrests of Congress Leaders. Serious repercussions occurred among students and for some time the normal working of most of the Colleges in the City was upset. Our College too had to pass through anxious time owing to uneasiness among the students during the middle of the first term. Towards the end of the term the situation became easy and in the second term the students commenced attending the College regularly and the normal working was restored.

R. P. KOPPIKAR,  
Dean.

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## APPENDIX No. 1.

## THE COLLEGE AND HOSPITAL SENIOR STAFF.

*Dean.*

JIVRAJ N. MEHTA, ESQ., M.D. (Lond.), M.R.C.P. (Lond.), F.C.P.S. (Bom.) upto 29-8-1942.  
 JAL PESTONJI PADSHAH, ESQ., M.D. (Lond.) F.C.P.S. (Bom.) from 23-9-42.

*Assistant Dean.*

R. E. DADACHANJI, ESQ., M.B.B.S. (Bom.) on leave preparatory to retirement from 1-10-1942.  
 V. V. JADHAV, ESQ., M.B.B.S. (Bom.) Ag. Asstt. Dean from 1-10-1942.

*Assistant Medical Officers.*

V. H. MAJMUDAR, ESQ., B.Sc., M.B.B.S. (Bom.).  
 S. V. JOGLEKAR, ESQ., M.B.B.S. (Bom.) from 1-10-42.

*Professor of Anatomy.*

R. P. KOPPIKAR, ESQ., M.S. (Bom.), F.C.P.S. (Bom.).

*Assistant Professor of Anatomy.*

G. M. KURULKAR, ESQ., M.B.B.S. (Bom.).

*Professor of Physiology.*

S. P. NIYOGI, ESQ., M.Sc., M.B. (Cal.).

*Assistant Professor of Bio-chemistry.*

V. N. PATWARDHAN, ESQ., M.Sc. (Bom.), Ph. D. (Lond.), A.I.I.Sc.

*Assistant Professor of Physiology.*

A. FERNANDEZ, ESQ., M.B.B.S. (Bom.).

*Professor of Pharmacology and Materia Medica.*

A. S. PARANJPE, ESQ., M.D. (Heidl.), D.T.M. (Lond.), M.B. Ch. B. (Edin.).

*Professor of Pathology and Bacteriology.*

R. G. DHAYAGUDE, ESQ., M.D. (Bom.).

*Assistant Professors of Pathology and Bacteriology.*

B. M. AMIN, ESQ., M.D. (Bom.)  
 Y. M. BHENDE, ESQ., M.D. (Bom.) from 20-8-1942.

*Honorary Physicians and Lecturers in Medicine.*

M. D. D. GILDER, ESQ., B.A., M.D. (Lond.), F.R.C.S. (Eng.), F.C.P.S. (Bom.) upto 28-7-1942.  
 P. C. BHARUCHA, ESQ., M.D., B.S. (Lond.), F.C.P.S. (Bom.) upto 31-12-1942.  
 N. D. PATEL, ESQ., M.D. (Lond.), M.R.C.P. (Lond.).  
 N. K. SAHIAR, ESQ., M.D. (Lond.), M.R.C.P. (Lond.).  
 ABDUL HAMEED, ESQ., M.D. (Bom.).  
 MANGALDAS J. SHAH, ESQ., M.B.B.S. (Bom.), M.R.C.P. (Lond.), D.T.M. & H. (Lond.).

*Honorary Assistant Physicians and Lecturers in Medicine.*

P. RAGHAVAN, ESQ., M.D. (Bom.).  
 R. J. VAKIL, ESQ., M.D. (Lond.), M.R.C.P. (Lond.), F.R.F.P.S.  
 J. C. PATEL, ESQ., M.D. (Bom.), M.R.C.P. (Lond.).  
 E. R. DEMELLO, ESQ., M.D. (Bom.).

*Honorary Surgeons and Lecturers in Surgery.*

R. N. COOPER, ESQ., M.S., (Lond.), F.R.C.S. (Eng.), F.C.P.S. (Bom.).  
 T. O. SHAH, ESQ., L.M. & S. (Bom.), F.R.C.S. (Eng.), F.C.P.S. (Bom.).  
 V. M. KAIKINI, ESQ., B.A., M.B.B.S. (Bom.), F.R.C.S. (Edin.), F.C.P.S.  
 A. V. BALIGA, ESQ., F.R.C.S. (Eng.).  
 K. G. MUNSIF, ESQ., M.B.B.S. (Bom.), F.R.C.S. (Eng.).  
 G. M. PHADKE ESQ., F.R.C.S. (Eng.) from 1-3-43.

*Honorary Assistant Surgeons and Lecturers in Surgery.*

- G. M. PHADKE, ESQ., M.B.B.S. (Lond.), F.R.C.S. (Eng.) upto 28-2-43.  
 M. M. PANDYA, ESQ., M.B.B.S. (Bom.), F.R.C.S. (Eng.).  
 ARTHUR E. DESA, ESQ., M.B.B.S., (Bom.), F.R.C.S. (Eng.).  
 S. H. CHITNIS, ESQ., M.B.B.S., M.S. (Bom.).  
 R. G. GINDE, ESQ., M.B.B.S., M.S., (Bom.).  
 P. K. SEN, ESQ., M.S. (Bom.) from 8-3-43.

*Honorary Orthopaedic Surgeon.*

- R. J. KATRAK, ESQ., B.A., B.Sc., (Bom.), F.R.C.S. (Eng.), M.Ch. Orthopaedics (Liverpool).

*Honorary Assistant Orthopaedic Surgeon.*

- A. K. TALWALKAR, ESQ., F.R.C.S. (Eng.).

*Honorary Aural Surgeon and Lecturer in Ear, Nose and Throat.*

- HOMI D. GANDHI, ESQ., M.B.B.S. (Bom.), F.R.C.S. (Edin.).

*Honorary Assistant Aural Surgeon.*

- S. G. JOSHI, ESQ., M.S. (Bom.).

*Honorary Gynaecologists and Lecturers in Gynaecology and Obstetrics.*

- MISS P. C. DAROOWALLA, M.D. (Bom.).  
 SIR MANGALDAS V. MEHTA, KT., O.B.E., B.A., F.C.P.S.I., F.C.P.S., F.R.C.O.G., (Lond.), Ex-Officio  
 Honorary Lecturer in Obstetrics.  
 K. M. MASANI, ESQ., M.D. (Bom.), F.R.C.S. (Eng.).

*Honorary Assistant Gynaecologist.*

- B. N. PURANDARE, ESQ., M.D. (Bom.), F.R.C.S. (Edin.).

*Honorary Ophthalmic Surgeons and Lecturers in Ophthalmology.*

- S. N. COOPER, ESQ., M.B.B.S. (Bom.), D.O. (Oxon & Bom.), D.O.M.S. (Lond.) from 29-12-1942.

*Honorary Assistant Ophthalmic Surgeon.*

- C. B. DHURANDHAR, ESQ., D.O. (Bom.) from 29-12-42.

*Honorary Radiologist and Lecturer in Radiology and Electro-therapy.*

- J. L. DESAI, ESQ., M.B.B.S. (Bom.), D.M.R.E. (Cantab.).

*Honorary Assistant Radiologist.*

- Z. J. JOSEPH, ESQ., M.D. (Bom.), D.M.R.E. (Cantab.).

*Honorary Anaesthetist and Lecturer in Anaesthesia.*

- MOKSHA MADAN DESAI, ESQ., M.B.B.S. (Bom.), D.A. (Eng.).

*Honorary Dental Surgeon and Lecturer in Dentistry.*

- D. M. DESAI, ESQ., L.D.S., R.C.S. (Eng.).

*Honorary Assistant Dental Surgeon.*

- J. A. AVASIA, ESQ., L.D.S., R.C.S. (Eng.).

*Honorary Dermatologist and Venereologist and Lecturer in Dermatology and Venereology.*

- A. C. REBELLO, ESQ., M.B.B.S. (Bom.), D.T.M. & H. (Lond.).

*Honorary Assistant Dermatologist and Venereologist.*

- J. A. FERNANDEZ, ESQ., L.R.C.P. (Lond.), M.R.C.S. (Eng.), M.R.C.P. (Edin.).

*Honorary Lecturer in Medical Jurisprudence and Toxicology.*

- R. E. DADACHANJI, ESQ., M.B.B.S. (Bom.) upto 30-9-42.  
 V. V. JADHAV, ESQ., M.B.B.S. (Bom.) from 1-2-43.

*Honorary Lecturer in Hygiene and Preventive Medicine.*

- B. C. DAS-GUPTA, ESQ., B.Sc. (Hon.), (CAL.), M.B. (Cal.), M.R.C.P. (Ireland), D.T.M. & H. (Lond.),  
 D.P.H. (Lond.).

*Honorary Lecturer in Psychiatry.*

- K. A. J. LALKAKA, ESQ., M.B.B.S. (Bom.).

## APPENDIX No. 2.

*Summary of in-patients treated at the K. E. M. Hospital during the year 1942 according to sex, age and departments with results.*

Department.	Sex.	In Hospital on midnight of 31-12-41.	Admitted during the year.	Total.	Discharged during the year.	Died during the year.	In Hospital on midnight of 31-12-42.
Medical	Male	115	3,885	4,000	3,368	490	142
	Female	41	904	945	752	154	39
	Children—						
	Male	6	221	227	160	57	10
	Female	7	145	152	112	32	8
Surgical	Male	122	3,269	3,391	3,024	260	107
	Female	36	599	635	542	67	26
	Children—						
	Male	12	167	179	157	14	8
	Female	5	105	110	95	13	2
Ophthalmic	Male	24	399	423	401	1	21
	Female	11	204	215	202	1	12
	Children—						
	Male	...	12	12	12	...	...
	Female	1	8	9	8	...	1
Gynaecological	Female	33	628	661	619	11	31
	Children—						
	Female	...	3	3	3	...	...
Aural	Male	11	573	584	563	11	10
	Female	4	329	333	329	3	1
	Children—						
	Male	2	217	219	215	2	2
	Female	...	174	174	173	1	...
Orthopaedic	Male	...	410	410	369	18	23
	Female	...	86	86	72	4	10
	Children—						
	Male	...	44	44	40	...	4
	Female	...	19	19	18	...	1
Skin	Male	18	315	333	308	7	18
	Female	1	47	48	42	2	4
	Children—						
	Male	...	11	11	8	2	1
	Female	1	8	9	8	1	...
Dental	Male	...	...	...	...	...	...
	Female	...	...	...	...	...	...
	Children	...	...	...	...	...	...
Total	Male	290	8,851	9,141	8,033	787	321
	Female	126	2,797	2,923	2,558	242	123
	Children—						
	Male	20	672	692	592	75	25
	Female	14	462	476	417	47	12
GRAND TOTAL		450	12,782	13,232	11,600	1,151	481

## APPENDIX No. 3.

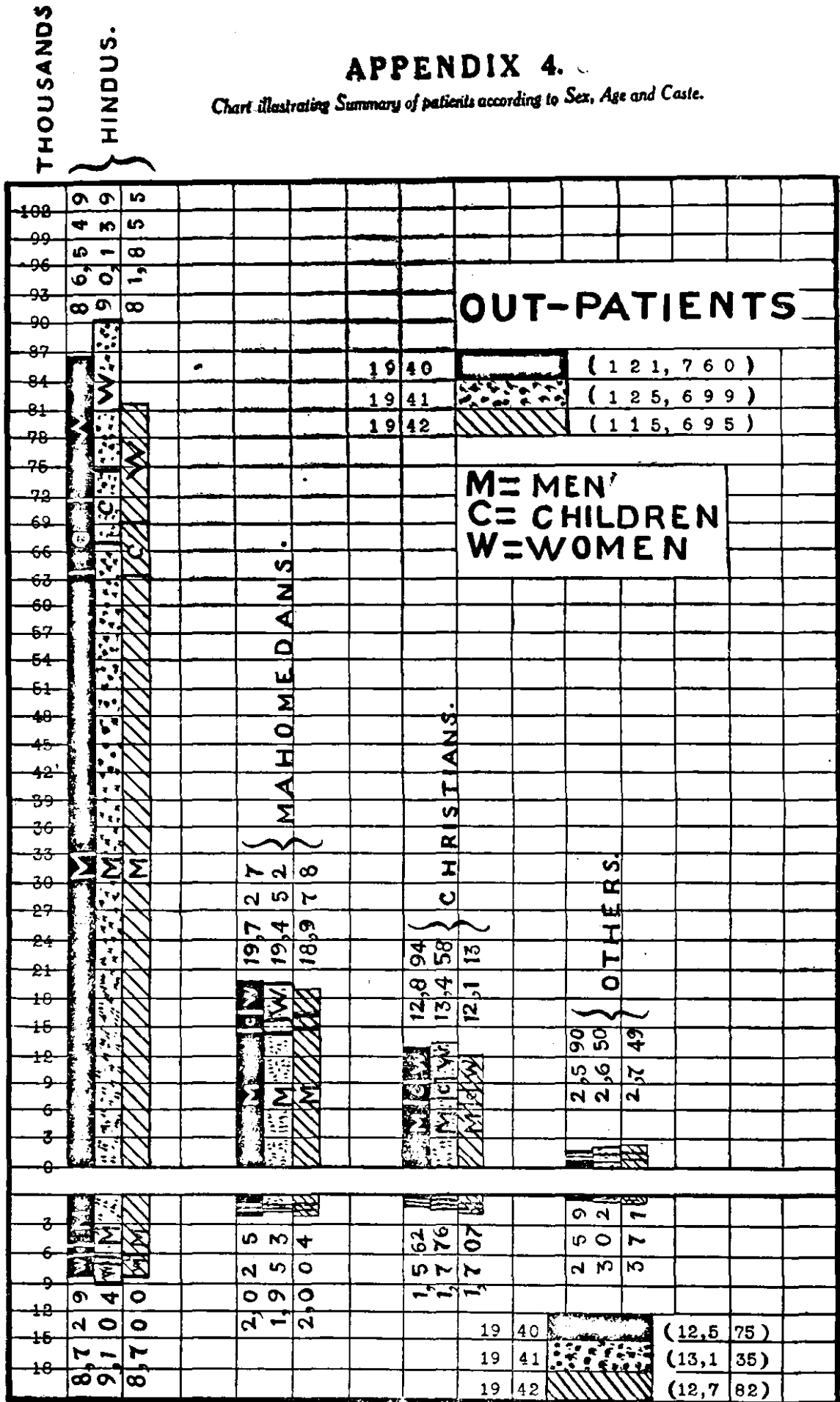
*Summary of out-patients classified according to departments  
for the year 1942.*

Department.	Sex.	O. P. D. new cases.	Casualty cases	Total of O. P. D. and Casualty cases.	Old cases	Grand Total.
Medical	Male	21,554	3,758	25,262	41,306	66,568
	Female	5,816	668	6,484	19,861	26,345
	Children— Male	1,581	204	1,785	2,355	4,140
	Female	1,322	144	1,466	1,925	3,391
Surgical	Male	17,181	14,370	31,551	62,916	94,467
	Female	2,484	1,689	4,173	12,778	16,951
	Children— Male	922	841	1,763	2,268	4,031
	Female	487	322	809	1,312	2,121
Ophthalmic	Male	5,617	1,802	7,419	13,043	20,462
	Female	1,375	57	1,432	4,314	5,746
	Children— Male	244	21	265	546	811
	Female	204	9	213	537	750
Gynaecological	Female	27,37	140	2,877	11,853	14,730
	Female (children)	15	4	19	...	19
Dental	Male	4,735	85	4,820	3,004	7,824
	Female	1,309	20	1,329	1,030	2,359
	Children— Male	190	4	194	59	253
	Female	127	2	129	45	174
Skin	Male	11,313	304	11,617	47,976	59,593
	Female	1,422	54	1,476	8,947	10,423
	Children— Male	527	17	594	1,204	1,798
	Female	508	17	525	938	1,463
Aural	Male	3,754	397	4,151	8,645	12,796
	Female	1,358	120	1,478	4,535	6,013
	Children— Male	596	80	676	1,221	1,897
	Female	419	54	473	889	1,362
Orthopaedic (from 4-4-42)	Male	1,155	782	1,937	6,562	8,499
	Female	225	112	337	797	1,134
	Children— Male	167	133	300	402	702
	Female	93	48	141	240	381
Grand Total		89,437	26,258	1,15,695	2,61,508	3,77,203



# APPENDIX 4.

Chart illustrating Summary of patients according to Sex, Age and Caste.



## IN-PATIENTS

Figures in brackets represent total number of patients in the years 1940, 1941 and 1942 respectively.

## APPENDIX No. 5.

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1942.

Names of diseases.	IN-PATIENTS							Out-patients and casualty cases.	
	Remain- ed.	Admit- ted.	Total.	Discharged					Remain- ing.
				Cured.	Relieved.	Otherwise.	Died.		
<b>Infectious etc., Diseases.</b>									
1. Measles	...	5	5	...	...	5	...	...	22
2. Whooping cough	...	3	3	...	...	3	...	...	29
3. Influenza	...	203	203	66	126	11	...	...	1,904
4. Influenzal pneumonia	...	...	...	...	...	...	...	...	...
5. Erysipelas	1	4	5	4	...	1	...	...	2
6. Other infectious etc. diseases	19	570	589	242	136	67	120	24	2,652
7. Tuberculosis Primary	2	205	207	2	45	92	65	3	1,089
8. Tuberculosis-other forms	20	299	319	24	162	77	31	25	1,162
9. Syphilis	3	139	142	3	104	27	2	6	4,274
10. Gonococcal infection	1	80	81	28	43	8	1	1	1,833
11. Soft Chancre	4	22	26	2	19	3	...	2	765
12. Septicaemia	...	11	11	1	2	1	7	...	6
13. Pyaemia	...	36	36	11	14	1	8	2	30
13a. Enteric fever	3	78	81	47	3	7	20	4	372
13b. Malaria	3	595	598	211	282	79	17	9	4,150
<b>Neoplasms.</b>									
14. Carcinoma	...	...	...	...	...	...	...	...	...
15. Sarcoma	...	...	...	...	...	...	...	...	...
16. Other or not defined Malignant diseases	12	143	155	16	31	63	36	9	266
17. Non-malignant tumours etc.	11	138	149	67	39	25	5	13	498
<b>Rheumatism etc.</b>									
18. Rheumatic fever	2	21	23	3	19	1	...	...	602
19. Acute Rheumatism	...	...	...	...	...	...	...	...	...
20. Chronic or undefined rheumatism	...	117	117	19	66	22	2	8	1,165
21. Gout	...	...	...	...	...	...	...	...	1
22. Fibrositis	...	9	9	2	5	2	...	...	312
23. Lumbago, myalgia	1	15	16	...	13	2	...	1	449
24. Blood diseases	16	275	291	44	140	46	43	18	1,620
<b>Nervous System etc.</b>									
25. Meningitis	2	32	34	2	4	6	20	2	49
26. Tabes dorsalis	...	...	...	...	...	...	...	...	...
27. Cerebral Haemorrhage	1	23	24	...	...	...	24	...	4
28. Embolism	...	...	...	...	...	...	...	...	...
29. Thrombosis	...	...	...	...	...	...	...	...	...
29A. Paralysis from acute poliomyelitis	...	...	...	...	...	...	...	...	...
30. General paralysis of the insane	...	...	...	...	...	...	...	...	...
31. Paralysis agitans	...	2	2	...	2	...	...	...	8

## APPENDIX No. 5.—contd.

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1942.

Names of diseases.	IN-PATIENTS								Out-patients and casualty cases.
	Remained.	Admitted.	Total.	Discharged.				Remaining.	
				Cured.	Relieved	Otherwise.	Died.		
32. Other paralysis ...	17	110	127	5	49	48	18	7	342
33. Other insanity ...	...	...	...	...	...	...	...	...	...
34. Epilepsy ...	1	26	27	...	16	9	...	2	77
35. Idiocy ...	...	...	...	...	...	...	...	...	1
36. Imbecility ...	...	...	...	...	...	...	...	...	...
37. Disseminated Sclerosis ...	...	3	3	...	1	1	...	1	1
38. Neuritis ...	...	1	1	1	...	...	...	...	17
39. Neuralgia ...	...	22	22	2	15	4	...	1	342
40. Sciatica ...	4	38	42	11	26	4	...	1	303
41. Other diseases of the nervous system ...	8	130	138	14	59	39	17	9	607
Total diseases of the nervous system ...	33	387	420	35	172	111	79	23	1,751
42. Diseases of the Eye ...	36	588	624	397	158	35	2	32	5,865
<b>Circulatory System.</b>									
43. Valvular heart disease	8	210	218	14	91	27	68	18	265
44. Myocardial disease ...	2	62	64	3	32	12	12	5	120
45. Other heart disease ...	3	23	26	1	10	5	8	2	23
46. Aneurysm ...	2	19	21	1	9	5	6	...	20
47. Arterio-sclerosis ...	...	...	...	...	...	...	...	...	...
48. Hypertension ...	...	40	40	2	27	4	5	2	73
49. Gangrene ...	...	...	...	...	...	...	...	...	...
50. Diseases of the vein (non-puerperal) ...	...	11	11	5	4	...	2	...	54
51. Other diseases of the circulatory system ...	5	36	41	7	20	2	10	2	60
Total diseases of the circulatory system	20	401	421	33	193	55	111	29	615
<b>Ear, Nose and Throat Diseases.</b>									
52. Enlarged tonsils and adenoids ...	3	903	906	860	31	14	1	...	1,726
53. to 55 Coryza and Rhinitis and Catarrh ...	2	72	74	58	14	1	...	1	505
56. Others ...	8	239	247	187	46	8	2	4	2,670
<b>Respiratory System.</b>									
57. Bronchitis actue ...	...	...	...	...	...	...	...	...	...
58. Do. chronic ...	5	126	131	52	62	15	2	...	2,169
59. Do. not stated ...	...	...	...	...	...	...	...	...	...
60. Lobar pneumonia ...	...	47	47	20	3	1	15	8	16
61. Broncho-pneumonia ...	5	109	114	44	11	7	48	4	139
62. Pneumonia, other or not stated ...	14	438	452	303	54	19	63	13	688
63. Pleurisy ...	9	103	112	22	62	19	4	5	240
64. Empyema ...	...	14	14	3	7	1	3	...	27
65. Asthma ...	...	120	120	11	95	9	4	1	1,060
66. Hay Fever ...	...	...	...	...	...	...	...	...	...
67. Other diseases of respiratory system ...	3	103	106	15	44	14	23	10	278
Total diseases of the Respiratory system	36	1,060	1,096	470	338	85	162	41	4,617



## APPENDIX No. 5—contd.

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1942.

Names of diseases.	IN-PATIENTS.								Out-patients and casualty cases.
	Remain- ed.	Admit- ted.	Total.	Discharged				Remain- ing.	
				Cured.	Relieved.	Otherwise	Died.		
100. Eczema ...	...	3	3	...	1	1	1	...	171
101. Scabies ...	...	28	28	6	20	2	...	...	2,940
102. Other diseases of Skin and Cellular Tissue ...	10	265	275	71	157	24	11	12	5,914
103. Diseases of bones	4	98	102	21	57	12	4	8	345
103a Diseases of joints ...	2	41	43	5	22	13	1	2	305
103b Diseases of muscles	...	6	6	2	2	2	...	...	83
104. Congenital malforma- tions ...	...	36	36	6	14	8	6	2	84
<b>Others.</b>									
109. Rickets ...	1	5	6	2	1	2	...	1	87
109a Scurvy ...	...	6	6	3	2	...	1	...	9
109b Pellagra ...	...	10	10	2	2	...	4	2	14
110. Diabetes ...	5	48	53	3	25	14	9	2	53
111. Senile decay ...	...	...	...	...	...	...	...	...	...
111a General debility ...	1	65	66	7	38	7	13	1	735
112. Senile dementia ...	...	...	...	...	...	...	...	...	...
112.A Poisoning ...	7	342	349	181	127	16	22	3	2,759
<b>Violence (1) Fractures.</b>									
113. Skull, vault and/or base	1	45	46	5	8	5	28	...	90
114. Lower jaw ...	...	...	...	...	...	...	...	...	...
115. Other facial bone ...	2	29	31	6	19	5	...	1	63
116. Spinal column (other than sacrum and Coccyx) ...	1	64	65	1	44	14	4	2	118
117. Sacrum ...	...	...	...	...	...	...	...	...	...
118. Coccyx ...	...	...	...	...	...	...	...	...	...
119. Ribs, sternum ...	...	38	38	...	31	4	3	...	163
120. Clavicle ...	1	11	12	1	8	2	...	1	158
121. Scapula ...	...	3	3	...	3	...	...	...	18
122. Humerus ...	5	75	80	2	71	5	...	2	301
123. Radius and ulna ...	5	103	108	4	92	10	...	2	845
124. Carpal bones ...	...	20	20	...	18	1	...	1	399
125. Metacarpal phalanges of fingers ...	...	...	...	...	...	...	...	...	...
126. Pelvis (other than sacrum and coccyx)	...	23	23	...	15	3	5	...	21
127. Femur ...	10	129	139	2	92	20	9	16	190
128. Patella ...	2	22	24	1	18	4	...	1	47
129. Tibia and/or fibula ...	9	131	140	1	119	10	5	5	323
130. Tarsal bones ...	...	...	...	...	...	...	...	...	...
131. Metatarsal and Pha- langes of toes	...	23	23	...	22	1	...	...	101
131a Other injuries ...	38	1,333	1,371	338	765	115	116	37	25,154
Total—No. of patients treated for fractures	74	2,049	2,123	361	1,325	199	170	68	27,991
132 (2) Others									
Other ill-defined diseases. No diseases—N.A.D. ...	...	25	25	2	9	14	...	...	568
ii. Others. N.Y.D. ...	...	18	18	...	11	7	...	...	10,055
<b>Grand Total</b> ..	<b>450</b>	<b>12,782</b>	<b>13,232</b>	<b>4,569</b>	<b>5,412</b>	<b>1,619</b>	<b>1,151</b>	<b>481</b>	<b>1,15,695</b>

## APPENDIX No. 6

Statement showing classification according to principal sites, of in-patients suffering from Tuberculosis treated in the K. E. M. Hospital during the year 1942.

	Respiratory system.	Brain and spinal cord.	Intestines and peritoneum etc.	Genito-urinary system.	BONES AND JOINTS.				Glands.	Genera-lised.	Others.	Total.	Remarks.
					Spine.	Hip.	Knee.	Others					
Discharges ...	147	7	68	9	56	17	8	47	31	...	2	392	
Deaths ...	70	12	22	1	2	...	...	3	...	2	...	112	
Total ...	217	19	90	10	58	17	8	50	31	2	2	504	

\* Excluding abdominal and mediastinal etc., glands which are included in the intestines and respiratory system.

## APPENDIX No. 7

Malignant Neoplasms classified according to Type of growth, Sex and Age, Discharges and Deaths during the year 1942.

Type of growth.	Sex.	AGE GROUP.									RESULTS.			Remarks
		0 years.	15 years.	25 years.	35 years.	45 years.	55 years.	65 years.	75 years.	85 years.	Dis- charges.	Deaths.	Total.	
Carcinoma ...	Male ...	...	6	11	18	24	14	5	1	...	57	22	79	
	Female ...	...	...	8	15	10	9	1	1	...	38	6	44	
Sarcoma ...	Male ...	1	1	2	1	1	...	...	...	...	6	...	6	
	Female ...	1	2	..	...	...	1	...	...	...	2	2	4	
Rodent ulcer ...	Male ...	...	...	...	...	...	...	...	...	...	...	...	...	
	Female ...	...	...	...	...	1	...	...	...	...	1	...	1	
Undefined ...	Male ...	...	...	1	...	...	...	...	...	...	1	...	1	
	Female ...	...	...	...	1	...	...	...	...	...	1	...	1	
Total	Male ...	1	7	14	19	25	14	5	1	...	64	22	86	
	Female ...	1	2	8	16	10	11	1	1	...	42	8	50	
GRAND TOTAL ...		2	9	22	35	35	25	6	2	...	106	30	136	

## APPENDIX No. 8.

Malignant Neoplasms—(Discharges and deaths, classified according to site and sex) for the year 1942.

Site of growth.	Male.	Female.	TOTALS.				Remarks.
			Discharges.		Expired.		
			Male.	Female.	Male.	Female.	
Alimentary tract above stomach ...	7	2	4	2	3	...	
Stomach ...	14	3	11	1	3	2	
Intestines ...	6	3	4	3	2	...	
Rectum ...	1	1	1	1	...	...	
Anus ...	2	...	2	...	...	...	
Respiratory system ...	23	4	15	3	8	1	
Prostate ...	3	...	1	...	2	...	
Bones and others ...	30	2	26	2	4	...	
<i>Female generative organs—</i>		2	...	2	...	...	
Above uterus ...	...	17	...	16	...	1	
Uterus ...	...	...	...	...	...	...	
Below uterus ...	...	9	...	8	...	1	
Breast ...	...	7	...	4	...	3	
Other sites ...	...	...	...	...	...	...	
Discharges ...	64	42	...	...	...	...	
Deaths ...	22	8	...	...	...	...	
Total ...	86	50	...	...	...	...	

## APPENDIX No. 9

Statement showing Fracture cases treated in the K. E. M. Hospital during the year 1942.

Nature of fracture.	Simple.	Compound.	Pathological.	Total	Operative reduction.	COMPLICATIONS WITH				CASES WITH END RESULTS					Total
						Joints.	Nerves	Vessels	Others	Good.	Fair.	Bad.	Died.	Could not be Traced	
Acetabulum ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Bennets ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Bone, Iliac ...	1	...	...	1	...	...	...	...	1 rupture urethra	1	...	...	...	...	1
.. Malar ...	3	...	...	3	...	...	...	...	...	...	3	...	...	...	3
.. Nasal ...	6	4	...	10	...	...	...	...	...	10	...	...	...	...	10
.. calcaneous ...	6	1	...	7	...	...	...	...	...	5	2	...	...	...	7
.. clavicle ...	20	...	...	20	...	...	...	...	...	20	...	...	...	...	20
Coccyx ...	2	...	...	2	...	...	...	...	...	...	2	...	...	...	2
Collesis ...	26	2	...	28	3	...	...	...	...	20	7	1	...	...	28
Elbow (dislocation)...	4	...	...	4	1	...	...	...	...	3	1	...	...	...	4
Femur ...	95	5	2	102	3	...	1	1 Gas Gangrene	1	63	20	10	4	5	102
Fibula (Head) ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Hip (Dislocation) ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Humerus ...	40	12	...	52	1	...	1	...	...	35	12	2	2	1	52
Jaw ...	...	10	...	10	3	...	...	...	...	7	2	...	...	1	10
Malleolus ...	7	...	...	7	...	...	...	...	...	6	1	...	...	...	7
Maxilla ...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	1
Metacarpal ...	5	2	...	7	1	...	...	...	...	4	2	1	...	...	7
.. (dislocation)	2	...	...	2	1	...	...	...	...	2	...	...	...	...	2
Metatarsal ...	8	7	...	15	...	...	...	...	...	10	5	...	...	...	15
Multiple ...	4	4	...	8	...	...	...	...	...	1	...	1	6	...	8
Olecranon ...	5	1	...	6	3	...	...	...	...	4	2	...	...	...	6
Patella ...	20	...	...	20	11	...	...	...	...	10	8	...	...	2	20
.. (dislocation)...	2	...	...	2	...	...	...	...	...	2	...	...	...	...	2
Pelvis ...	27	..	1	28	...	...	...	...	2 rupture urethra	13	4	2	6	3	28
Phalanx ...	3	29	...	32	...	...	...	...	...	15	13	2	...	2	32
Pott's ...	12	2	...	14	1	...	...	...	...	8	4	2	...	...	14
Radius ...	17	...	...	17	...	...	...	...	...	11	6	...	...	...	17
Radius and Ulna ...	24	14	...	38	4	...	...	...	1 tetanus 2 osteomyelitis	18	12	8	...	...	38
Ribs ...	24	1	...	25	...	...	...	...	...	24	...	...	1	...	25
Scapula ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1
Spine ...	60	...	...	60	...	...	...	...	9 paraplegia	27	12	2	9	10	60
Sternum ...	1	1	...	2	...	...	...	...	...	2	...	...	...	...	2
Supra condyler ...	19	1	...	20	...	...	...	...	...	12	7	...	...	1	20
Tibia ...	32	7	1	40	...	...	...	...	...	29	10	...	...	1	40
Tibia and Fibula ...	36	33	...	69	...	...	...	...	2 Gas Gangrene	41	15	7	5	1	69
Talus ...	3	...	...	3	2	...	...	...	...	1	1	1	...	...	3
Tooth ...	1	..	...	1	...	...	...	...	...	...	1	...	...	...	1
Ulna ...	7	3	...	10	...	...	...	...	...	8	2	...	...	...	10
Zygoma ...	2	2	...	4	3	...	...	...	...	4	—	...	...	...	4
Total ...	529	142	4	675	41	...	2	1	18	422	154	39	33	27	675

## APPENDIX No. 10.

Statement showing Head Injuries and Fracture of the skull treated in the K. E. M. Hospital during the year 1942.

PARTICULARS.	OPERATED					NON-OPERATED					Grand total.
	Cured.	Relieved.	Other-wise.	Died.	Total	Cured.	Relieved.	Other-wise.	Died.	Total	
C.L.W. Scalp with concussion	36	15	...	2	53	...	...	...	...	...	53
Concussion	...	...	...	...	...	57	88	11	1	157	157
Fracture skull & vault	...	...	...	...	...	4	10	...	7	21	21
Depressed fracture skull	6	5	...	...	11	...	...	...	...	...	11
Fracture base skull	...	...	...	...	...	4	...	3	...	7	7
Laceration of brain	...	...	...	...	...	...	...	...	17	17	17
Contusion brain	...	...	...	...	...	...	1	...	...	1	1
Intra-cranial haemorrhage	...	...	...	2	2	...	...	...	18	18	20
Total	42	20	...	4	66	65	99	14	43	221	287

## APPENDIX No. 11.

Statement of diseases of female generative organs treated in the K. E. M. Hospital during the year 1942.

Note.—New growths, non-malignant and malignant, have been shown in the Appendix No. V under Neoplasms Nos. 16 and 17.

Names of diseases.	IN-PATIENTS.								Out-patients and casualty cases.
	Remain-ed.	Admit-ted.	Total.	Discharged.				Remain-ing.	
				Cured.	Relieved.	Other-wise.	Died.		
<i>Inflammatory.</i>									
Endo-metritis	2	9	11	2	4	5	...	...	49
Cervicitis-endocervicitis	...	...	...	...	...	...	...	...	...
Salpingitis, Oophoritis and salpingo-oophoritis	10	97	107	28	49	20	2	8	220
Vaginitis	...	12	12	7	2	2	...	1	113
Vulvitis	...	...	...	...	...	...	...	...	...
Elephantiasis, vulva	...	...	...	...	3	1	...	...	30
Bartholomitis & abscess	...	13	13	9	3	1	...	...	...
Acute and sub-acute pelvic inflammation	...	2	2	...	1	1	...	...	8
Pelvic abscess	...	...	...	...	...	...	...	...	...
Pelvic cellulitis (non- <i>puer-</i> <i>peral</i> )	...	3	3	3	...	...	...	...	3
Pelvic cellulitis ( <i>puerperal</i> )	...	...	...	...	...	...	...	...	...
<i>Laceration and Displacements</i>									
Laceration of cervix	...	...	...	...	...	...	...	...	...
<i>Uterine displacements</i>									
Chronic uterine inversion	4	94	98	46	23	26	..	3	577
Prolapse	...	...	...	...	...	...	...	...	...
Fistula urinary	...	7	10	1	3	5	...	1	14
Fistula-rectal	3	...	...	...	...	...	...	...	...
* <i>Functional.</i>									
Amenorrhoea	...	7	7	...	1	6	...	...	142
Dysmenorrhoea	...	17	17	...	6	10	...	1	90
Menorrhagia	...	24	24	7	3	12	...	2	53
Metropathia haemorrhagica	2	38	40	9	14	13	1	3	58
Sterility	...	132	132	5	35	88	1	3	385
Menopause	...	...	...	...	...	...	...	...	...
Other functional diseases	...	2	2	...	2	...	...	...	70
<i>New Growth (Non-Malignant)</i>									
Fibro-myoma uterus	...	...	...	...	...	...	...	...	...
Fibro-myoma other situations	...	...	...	13	7	5	...	...	105
Abortion	...	25	25	5	1	1	...	...	13
Ectopic gestation	...	6	6	5	1	3	...	1	291
Pregnancy & others	1	9	10	3	1	3	2	1	...
Grand Total	22	497	519	138	154	198	6	23	2,221



APPENDIX No. 12.

Classification of Operations performed in the Surgical Department during the year 1942.

Name of Operation.	IN-PATIENTS.										Out-door patients operated on.
	Remained as per last report.	No. of OPERATIONS.				RESULT.				Remained under treatment.	
		Princip-al.	Secund-ary.	Total.	No. of patients operated on.	Cured.	Reliev-ed.	Dis-charged other-wise.	Died.		
Removal of benign neoplasms	1	22	5	27	22	14	6	...	...	3	69
Removal of malignant neoplasms	2	7	1	8	7	5	2	...	...	2	2
Removal of mixed tumours	...	4	...	4	4	1	3	...	...	...	...
Removal of granulation tissue tumours	...	1	3	4	1	...	...	1	...	...	3
Removal of scar tissue growths	1	3	2	5	3	1	2	1	...	...	12
Removal of retention cysts	...	11	...	11	11	9	2	...	...	...	124
Removal of congenital cysts	...	...	1	1	...	...	...	...	...	...	10
Removal of parasitic cysts	...	1	...	1	1	...	1	...	1	...	...
Removal of distention cysts	...	1	...	1	1	...	1	...	...	...	41
Removal of neural cysts	...	2	...	2	2	...	2	...	...	...	...
Removal of lymphatic cysts	...	1	...	1	1	...	...	...	...	1	...
Electro-cautery	...	...	...	...	...	...	...	...	...	...	11
Diathermy	...	6	1	7	6	3	2	1	...	...	22
Application of radium needles	...	4	2	6	4	...	4	...	...	...	...
Incision evacuation and drainage of abscesses	10	363	76	439	363	150	181	3	23	16	1,637
Aspiration of fluids from joints, abscesses, etc.	1	50	27	77	50	6	33	7	3	2	327
Tapping of hydrocele	...	1	...	1	1	1	...	...	...	...	569
Tapping of thorax for pleural fluid	...	2	2	4	2	1	...	...	1	...	...
Incisions for cellulitis, carbuncles, etc.	1	43	11	54	43	17	11	4	11	1	13
Excision of corns, cicatrix, bursae, etc.	...	31	4	35	31	5	8	12	...	6	194
Excision of lacerated tissues	4	275	17	292	275	81	157	5	21	15	39
Excision of fistulae	...	3	1	4	3	1	1	1	...	...	...
Scraping of sinuses, etc.	2	3	1	4	3	...	4	...	...	...	50
Suturing of wounds	10	94	23	117	94	37	58	3	4	2	37
Removal of foreign bodies	...	9	3	12	9	4	4	...	1	1	116
Skin grafting	3	17	50	67	17	8	5	2	1	4	...
Plastic operations	6	51	12	63	51	3	48	2	1	3	13
Operations on joints	...	28	15	43	28	2	21	1	3	1	8
Amputations	2	53	10	63	53	20	23	...	8	4	22
Osteotomy	2	13	8	21	13	...	9	1	1	4	...
Other operations on bones	1	71	29	100	71	15	47	2	2	6	31
Setting of fractures	18	356	195	551	356	10	318	21	6	19	89
Injections into piles, ganglion, nerves, etc.	...	9	6	15	9	1	7	...	...	1	688
Thyroidectomy partial	...	4	1	5	4	1	2	...	1	...	...
Removal of breast for malignant growth	1	5	2	7	5	2	3	...	1	...	...
Other operations on breast	...	6	...	6	6	4	2	...	...	...	11
Pericardiotomy	...	1	...	1	1	...	1	...	...	...	...
Excision of aneurysm, ligature of artery, etc.	...	12	2	14	12	7	4	...	1	...	4
Resection of vein	...	1	...	1	1	...	1	...	...	...	13
Excision of lymphatic vessels and glands	2	20	2	22	20	8	13	...	1	...	8
Trephining	...	4	2	6	4	2	...	...	2	...	...
Elevation of depressed fracture	...	13	2	15	13	9	1	...	3	...	...
Excision of a portion of brain	...	1	...	1	1	...	...	...	1	...	...
Operations on spinal column	...	6	2	8	6	2	2	...	...	2	...
Operations on spinal cord	1	...	...	...	...	...	...	...	1	...	...
Operations on nerves	...	11	2	13	11	...	7	2	...	2	1
Operations on lungs	...	1	...	1	1	1	...	...	...	...	...
Operations on thorax	1	23	10	33	23	8	11	...	4	...	...
Extraction of teeth and other dental operations	...	2	1	3	2	...	2	...	...	...	4,690
Operations on salivary glands	...	4	...	4	4	4	...	...	...	...	2
Operations on oesophagus and pharynx	1	...	...	...	...	...	...	...	1	...	...
Gastrotomy	...	1	...	1	1	1	...	...	...	...	...
Gastrectomy partial for ulcer	...	6	...	6	6	2	...	...	4	...	...
Gastrorrhaphy for perforation	2	2	...	2	2	2	1	...	1	...	...
Gastrojejunostomy for gastric ulcer	...	12	1	13	12	3	8	...	1	...	...
Gastrojejunostomy for duodenal ulcer	...	9	...	9	9	5	2	2	1	...	...
Operations on jejunum and ileum	...	25	1	26	25	5	10	...	10	...	...
Removal of appendix	2	95	2	97	95	76	14	...	2	5	...
Operations on caecum	...	2	2	4	2	...	1	...	1	...	...
Operations on colon	1	7	11	18	7	2	1	...	3	2	...
Operations on rectum and anus	4	94	14	108	94	60	30	3	3	2	104
Herniotomy, radical cure for Ing. hernia	3	100	3	103	100	88	11	1	1	2	...
Herniotomy, radical cure for other hernias	1	7	...	7	7	6	...	...	2	...	...
Herniotomy, radical cure for strangulated hernias, inguinal	...	47	...	47	47	30	9	...	5	3	...
Herniotomy, radical cure for strangulated hernias, others	...	2	...	2	2	1	1	...	...	...	...
Exploratory Laparotomy	4	96	4	100	96	23	19	11	42	5	...
Operations on liver and biliary apparatus	1	1	...	1	1	1	1	...	...	...	...
Cholecystostomy	...	1	...	1	1	...	1	...	...	...	...
Cholecystectomy	2	11	2	13	11	8	3	...	...	2	...
Cholodocholithotomy	...	...	1	1	...	...	...	...	...	...	...
Removal of spleen	...	6	...	6	...	4	...	...	1	1	...
Orchidectomy	...	4	2	6	...	3	...	...	...	...	...
Other operations on scrotum	...	6	2	8	6	5	1	...	...	1	...
Radical cure for vaginal hydrocele	3	137	5	142	137	109	29	...	...	2	...
Operations on spermatic cord	1	7	2	9	7	5	1	...	...	1	6
Prostatectomy—Perineal	...	1	3	4	1	...	...	...	...	1	...

## APPENDIX No. 12—contd.

*Classification of Operations performed in the Surgical Department during the year 1942.*

Name of Operation.	IN-PATIENTS.										Out-door patients operated on.
	Remained as per last report.	NO. OF OPERATIONS.				RESULT.				Remained under treatment.	
		Princip- al.	Second- ary.	Total.	No. of patients operated on.	Cured.	Relieved.	Dis- charged other- wise.	Died.		
Prostatectomy—Suprapubic ...	1	5	9	14	5	4	1	...	1	...	...
Circumcision ...	...	6	...	6	6	3	3	...	...	...	151
Other operations on penis ...	1	10	...	10	10	2	7	1	...	1	89
Nephrectomy ...	...	4	6	10	4	...	3	...	1	...	...
Nephrolithotomy ...	...	1	1	2	1	1	...	...	...	...	...
Other operations on kidney ...	...	2	1	3	2	...	...	...	2	...	...
Operation on ureter ...	1	2	4	6	2	...	2	...	1	...	...
Suprapubic cystotomy ...	2	30	15	45	30	8	10	1	7	6	...
Suprapubic Lithotomy ...	1	16	1	17	16	9	5	1	...	2	...
Lithotripsy ...	...	4	...	4	4	1	1	...	...	2	...
Litholopexy ...	...	4	1	5	4	3	1	...	...	...	...
Other operations on bladder ...	1	53	13	66	53	13	27	9	3	2	205
Urethrotomy internal ...	...	6	2	8	6	4	2	...	...	...	...
Urethrotomy external ...	1	9	2	11	9	5	3	...	1	1	...
Other operations on urethra ...	1	25	38	63	25	8	14	2	1	1	240
Total ...	103	2,505	679	3,184	2,505	943	1,230	101	196	138	9,651

## APPENDIX No. 13.

*Classification of Operations performed in the Gynaecological Department during the year 1942.*

Nature of Operation.	Remained as per last report.	Princip- al.	Second- ary.	Total.	No. of patients operated on.	Cured.	Relieved.	Other- wise.	Died.	Remained under treatment.	Out-door patients operated on
<i>Operations on.</i>											
Uterus ...	7	81	6	87	81	60	12	5	3	8	...
Cervix ...	2	225	4	229	225	30	62	130	...	5	2
Perineum & Vagina ...	3	43	3	46	43	37	7	1	...	1	...
Urethra ...	...	2	...	2	2	...	...	...	...	...	...
Fallopian tubes and broad ligaments ...	4	28	1	29	28	26	4	...	2	...	...
Ovaries ...	3	12	...	12	12	10	3	...	1	1	...
General ...	...	32	14	46	32	9	11	7	2	3	...
Total ...	19	423	28	451	423	174	99	143	8	18	2

## APPENDIX No. 14.

*Classification of Operations performed in the Ophthalmic Department during the year 1942.*

Nature of Operation.	Remained as per last report.	Princip- al.	Second- ary.	Total.	No. of patients operated on.	Cured.	Relieved.	Other- wise.	Died.	Remained under treatment.	Out-door patients operated on.
<i>Operations on.</i>											
Eyelids ...	2	23	10	33	23	11	7	...	...	7	194
Conjunctiva ...	...	8	1	9	8	6	2	...	...	...	48
Cornea ...	...	10	4	14	10	1	6	2	...	1	330
Lachrymal apparatus ...	3	33	5	38	33	30	4	1	...	1	11
Muscles ...	...	4	...	4	4	4	...	...	...	...	...
Iris ...	...	73	10	83	73	27	37	4	...	5	3
Sclera ...	...	18	...	18	18	4	11	...	...	3	...
Lens ...	20	389	36	425	389	358	14	18	2	17	22
Socket ...	...	1	2	3	1	1	...	...	...	...	...
General operations ...	2	25	5	30	25	5	21	1	...	...	...
Total ...	27	584	73	657	584	447	102	26	2	34	608

## APPENDIX No. 15

*Classification of Operations performed in the Ear, Nose and Throat department during the year 1942.*

Nature of Operation.	Remain- ed as per last report.	Princi- pal.	Second- ary.	Total.	No. of patients operated on.	Cured.	Relieved.	Other- wise.	Died.	Remain- ed under treat- ment.	No. of out- patients operated
<i>Operations on.</i>											
Larynx	...	1	2	3	1	1	...	...	...	...	9
Trachea	1	6	...	6	6	...	3	...	2	2	...
Bronchus	...	6	...	6	6	...	2	3	1	...	2
Oesophagus & Pharynx	1	1	...	1	1	1	...	...	1	...	7
Stomach	...	1	...	1	1	...	...	...	1	...	...
Septum	1	101	1	102	101	85	16	...	...	1	...
Vestibula	...	2	...	2	2	1	1	...	...	...	...
Turbinate bones	...	8	...	8	8	6	2	...	...	...	395
Posterior nares	...	8	...	8	8	6	2	...	...	...	35
Maxillary antrum	2	43	...	43	43	36	9	...	...	...	346
Frontal sinus	...	7	...	7	7	5	...	...	...	2	..
Ethmoidal sinus	...	3	...	3	3	3	...	...	...	...	...
Mouth fauces Pharynx and nasopharynx	4	817	...	817	817	811	9	...	...	1	3
Ear	3	36	2	38	36	23	10	1	2	3	6
Miscellaneous—of a minor nature	1	3	1	4	3	2	2	...	...	...	1
Total	13	1,043	6	1,049	1,043	980	56	4	7	9	804

## APPENDIX No. 16.

*Report of the X-Ray and Electro-Therapeutic Department, K. E. M. Hospital during the year 1942.*

4,469 cases were X-Rayed during the year 1942; 1,587 of these were in-patients (1,105 men, 299 women and 183 children), 2,882 were out-patients (1,975 men, 411 women and 496 children) including casualty cases.

Screening was done on 4,706 patients; 1,179 of these were in-patients (941 men, 206 women and 32 children), 3,527 were out-patients (2,385 men, 906 women and 236 children).

498 cases were treated with ultra violet radiation; 81 of these were in-patients (27 men, 34 women and 20 children) and 417 were out-patients (180 men, 122 women and 115 children).

Long wave diathermy was given to 14 in-patients (2 men and 12 women) and 110 out-patients (19 men and 91 women). Short wave diathermy was given to 40 in-patients (32 men and 8 women); and 186 out-patients (140 men, 43 women and 3 children).

Superficial X-Ray therapy was given to 99 patients.

Deep X-Ray therapy was not given as the new X-Ray tube is not available for the present apparatus.

159 cases were treated with Radiant heat, 29 of these were in-patients (20 men, 9 women) and 130 were out-patients (98 men and 32 women).

Electrical reactions were tested in 67 cases (34 in-patients and 33 out-patients).

Electro-dessication was done in 18 men, 2 women and 1 female child.

Electrolysis was done in one woman and one female child only.

Farodia stimulation was given to 14 in-patients and 18 out-patients.

Galvanic shocks were given to 4 men and one woman only.

## APPENDIX No. 17.

*Report of the Skin and Venereal Department, K. E. M. Hospital for the year 1942.*

Description.	Out-patients.		In-patients.	
	Male.	Female.	Male.	Female.
Primary syphilis	1,794	28	5	...
Secondary syphilis	2,285	116	91	10
Tertiary syphilis	35	8	2	...
Congenital syphilis	5	3	2	2
Total No. of cases of syphilis	4,119	155	100	12
Acute gonorrhoea	706	53	20	1
Chronic gonorrhoea	1,102	64	46	7
Total cases of gonorrhoea	1,808	117	66	8
Chancroid and other venereal diseases	1,006	11	64	2
Venereal diseases of the previous years treated during 1942	580	68	...	...
Total No. of venereal cases treated during the year 1942.	7,513	351	230	22
Leprosy cases	266	48	...	...
Skin diseases	6,185	1,416	78	30
Grand total of venereal, skin and leprosy cases treated during the year 1942	13,964	1,815	308	52

The above figures indicate the total number of persons seeking treatment in the Skin and Venereal Department direct. They do not include 158 cases which were examined and found not to be suffering from any skin or venereal diseases. They also do not include 3,550 cases transferred to the Skin and Venereal Department from other departments to avoid duplication of figures. Of these transferred cases 1,460 were found to be suffering from venereal diseases and the rest skin diseases. Hence the total number of cases treated in the skin and venereal department during the year 1942 was 19,847. Among the venereal cases 2,128 patients (of which 49 were females) were treated for two or more venereal diseases. Among the indoor-patients 72 cases were treated for two or more venereal diseases.

## APPENDIX No. 18.

Statement showing the number of electro-cardiograms taken during the year 1942 :—

Clinical condition for which Electro-cardiogram was taken.	Male.	Female.	Total.
1. Anaemia	8	3	11
2. Angina Pectoris	9	2	11
3. Congenital heart disease	3	3	6
4. Coronary occlusion	34	8	42
5. Deficiency disease	2	2	4
6. Endocrine disorders	1	...	1
7. Heart failure	35	15	50
8. Auricular fibrillation	11	6	17
9. Auricular flutter	5	...	5
10. Bradycardia	8	3	11
11. Extra-systoles	16	7	23
12. Cardiac neurosis	9	5	14
13. Tachycardia	4	...	4
14. Hypertension	20	4	24
15. Acute rheumatic fever	10	4	14
16. Pericarditis	8	...	8
17. Valvular disease of heart	51	13	64
18. Miscellaneous	25	...	25
Total	259	75	334

## APPENDIX No. 19.

## Central Clinical Laboratory Report.

17,462 laboratory investigations were carried out during the year 1942 in the Central Clinical Laboratory (as apart from the the ward laboratories) on the material sent from the Hospital, divided under four main heads, as against 19,866 and 17,432 in the year 1941 and 1940, respectively :—

I.—Pathologic.	II.—Bacteriologic.	III.—Biologic.	IV.—Biochemic.
<i>I.—Pathologic.</i>		(viii) Preparation of vaccines.—	
(i) Examination of urine ...	1,670	(1) Autogenous vaccine ...	34
(ii) Examination of blood—		(ix) Heterophil antibody test ...	3
(1) Cytological examination—		(x) Bacteriological examination of specimen of milk from the Hospital ...	10
(a) Complete blood picture ...	1,082	Total ...	7,852
(b) Reticulocyte count ...	12		
(c) Platelet count ...	43	<i>III.—Biologic.</i>	
(2) Coagulation time of blood ...	70	(1) Aschheim Zondek test (Friedmann's modification) ...	18
(3) Bleeding time of blood ...	72	(2) Mantoux test ...	1
(4) (a) Matching of blood for transfusion ...	388	(3) Casoni's intradermal test ...	2
(b) Determination of blood group ...	384	Total ...	21
(5) Sedimental test ...	316		
(6) Detection of parasites—		<i>IV.—Biochemic.</i>	
(a) Microfilaria ...	39	(i) Urine:—	
(b) Malaria parasites ...	45	(1) Estimation of chemical constituents.	
(c) Leishman-Donovan bodies ...	10	(a) Urea ...	12
(iii) Examination of faeces ...	1,476	(b) Chloride ...	16
(iv) Examination of sputa ...	923	(c) Haematoporphyrin ...	25
(v) Examination of puncture fluids—		(2) Determination of diastasic index ...	10
(a) Cerebro-spinal fluid ...	763	(3) Urea concentration test ...	15
(b) Pleural fluid ...	96	(4) Diazo reaction ...	1
(c) Ascitic fluid ...	77	(5) Analysis of urinary calculi ...	2
(d) Liver puncture fluid ...	1	(ii) Blood—	
(e) Joint fluid ...	1	(1) Determination of chemical constituents—	
(f) Pericardial fluid ...	2	(a) Non-protein nitrogen ...	156
(g) Aspirated fluid ...	1	(b) Urea nitrogen ...	4
(h) Hydrocele fluid ...	2	(c) Glucose ...	19
(i) Lung abscess ...	1	(d) Calcium ...	4
(vi) Histological examination of tissues ...	800	(e) Cholesterol ...	6
Total ...	8,274	(f) Inorganic phosphorous ...	1
		(g) Sulphanilamide content ...	2
<i>II.—Bacteriologic—</i>		(2) Other tests—	
(i) Urine cultural examination ...	147	(a) Determination of Icterus index ...	176
(ii) Blood—		(b) Blood sugar curve ...	36
(1) Cultural examination ...	278	(c) Van den Bergh reaction ...	181
(2) Serological examination—		(d) Laevulose tolerance test ...	1
(a) Widal reaction ...	296	(e) Aldehyde test ...	1
(b) Wassermann reaction ...	464	(f) Urea clearance test ...	7
(c) Kahn test ...	5,850	(g) Takata-ara test ...	1
(iii) Faeces-cultural examination ...	19	(iii) Analysis of stools (estimation of fat) ...	2
(iv) Sputum-cultural examination ...	6	(iv) Cerebro-spinal fluid—	
(v) Puncture fluid-cultural examination—		Determination of chemical constituents—	
(1) Cerebro-spinal fluid ...	161	(a) Chlorides ...	66
(2) Pleural fluid ...	57	(v) Examination of gastric contents (fractional method) ...	521
(3) Ascitic fluid ...	25	(vi) Lange's colloidal gold test ...	7
(4) Pericardial fluid ...	1	(vii) Prothombin time ...	29
(5) Fluid from nasal sinuses ...	3	(viii) Fragility of red cells ...	9
(6) Other aspirated fluids ...	34	(ix) Carboxyhaemoglobin (spectroscopic) ...	5
(vi) Microscopic and cultural examination of—		Total ...	1,315
(1) Pus ...	119	Grand Total ...	17,462
(2) Throat swab ...	122		
(3) Other inflammatory exudate ...	16		
(vii) Microscopic examinations for the presence of micro-organisms.—			
(1) Nasal secretions ...	141		
(2) Urethral or cervical discharges ...	66		

362 autopsies were performed during the year 1942 as against 367 in 1941 and 318 in 1940. In the majority of cases the autopsies were performed on claimed bodies with the consent of relatives. In case of every post-mortem a record of findings in each organ is kept. The total number of 362 post-mortems include the following autopsies held on dead bodies received from other institutions specified below :—

Acworth Leper Home ...	7
Bai Jerbai Wadia Hospital for children ...	4
Nowrosjee Wadia Maternity Hospital ...	6
Cama & Albless Hospital ...	1
Total ...	18

The records are carefully scrutinised and the preparation of an index in groups of thousand serial cases is continued. This index is useful for a rapid reference of the records for an analysis and a study of deaths from different diseases at the Hospital. A typed summary of the post-mortem findings is sent to the Hospital for being attached to the case papers.

The following table gives the number of blocks prepared and sections stained out of the post-mortem organs and the tissues received after surgical operations from 1st January 1942 to 31st December 1942, and in the previous two years :—

Year.	Blocks of post-mortem organs.	Blocks of tissues from the surgical side of the K.E.M. Hospital.	Tissues received from enquiries under the I.R.F.A. and from outside.	Total.
1942 ...	1,661	800	127	2,588
1941 ...	1,764	905	302	2,971
1940 ...	1,444	809	335	2,588

#### Blood Bank.

Since 12th April 1942, a Blood Bank has been organised in the Central Clinical Laboratory as a permanent feature for the benefit of the patients of this Hospital. The number of samples collected till the end of the year was 288. Out of these, 253 were issued for purposes of transfusion. From the remaining, plasma was separated and utilised for cases of shock. Only a few blood samples had to be discarded. Due to the facility afforded by the Blood Bank the number of transfusions which used to be 3 to 4 per month has gone up to about 40 on an average.

APPENDIX No. 20  
**K. E. M. HOSPITAL, BOMBAY.**  
*Poor Box Charity Fund Statement of Accounts for the year 1942-43.*

<i>Dr.</i>	RECEIPTS.		DISBURSEMENTS.		<i>Cr.</i>
	Particulars.	Amount.		Particulars.	Amount.
		Rs.   a.   p.			Rs.   a.   p.
	To balance in hand on 31st March 1942	... 36   4   0		By appliances such as artificial limbs, crutches, hernia belts, etc.	... 1,301   8   6
	To balance with the Central Bank of India Ltd.	... 6,939   15   2		By supply of costly medicines, injections to poor patients of the Hospital	... 9,935   4   6
	To collections from outpatient department boxes	... 1,709   10   0		By blood transfusion charges	... 3,025   0   0
	To collections from the ward boxes	... 2,992   11   9		By spectacles to patients	... 346   0   0
	To donations	... 11,233   6   0		By travelling expenses to poor patients etc.	... 169   10   9
	To Interest—	Rs.   a.   p.		By printing and stationery	... 122   2   0
	Interest due during 1942-43	6,037   4   10		By Dead stock and equipment	... 203   0   0
	Add interest due for 1941-42	1,351   0   0		By establishment charges	... 240   0   0
		7,388   4   10		By miscellaneous expenses	... 521   5   9
	Less commission	11   4   6		By investment in fixed deposit with the Bombay Postal Co-operative Society Ltd.	... 2,500   0   0
		7,377   4   0		By excess of payments over receipts in the deposit account	... 2,218   14   9
		1,813   8   0		By cash in hand on 31-3-1943	... 228   12   1
	To collections on account of issue of medical certificates	... 56   0   0		By balance with the chief Accountant, Bombay Municipality.	... 14,866   5   11
	To part payment of spectacles	... 650   0   0			
	To Contributions towards appliances and comforts, etc.	... 65   6   9			
	To miscellaneous receipts	... 2,782   8   0			
	To sale of 3½% G. P. Notes (1854-55) of the face value of Rs. 3,000/	... 21   10   3			
	To fund account by transfer	... 35,678   0   3			
	Total ...	35,678   0   3		Total ...	35,678   0   3

*Balance Sheet of the Poor Box Charity Fund, K. E. M. Hospital as on 31st March 1943.*

LIABILITIES.			ASSETS.							
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.		
Fund account Balance on 31st March 1943	...	1,33,778	11	0	Cash in hand	228	12	1		
Add—Excess of receipts over expenditure during 1942-43.	...	9,957	13	7	Balance with the Chief Accountant, Bombay Municipality.	...	14,886	5 11		
Suspense Account :—				1,43,736	8	7		15,095	2	0
Mess deposits	...	1,545	10	0	Investments (at cost):—					
Patients' money	...	379	13	8	(1) 3½% G. P. Notes (1842-43) of the face value of	16,000		13,460	10	0
Miscellaneous deposits	...	1,655	7	9	(2) 3½% G. P. Notes (1854-55) of the face value of	9,000		6,368	2	0
				3,580	15	5		10,532	8	0
					(3) 3½% G. P. Notes (1865) of the face value of	...	13,000	735	0	0
					(4) 3½% G. P. Notes (1879) of the face value of	...	1,000	15,608	12	0
					(5) 3½% G. P. Notes (1900-01) of the face value of	...	17,000	6,210	0	0
					(6) 3% Loan (1951-54) of the face value of	...	6,000	20,933	0	0
					(7) 4% Loan (1960-70) of the face value of	...	20,000	3,333	12	0
					(8) 4% B.P.T. Debentures (1968) of the face value of	...	3,000	555	10	0
					(9) 4% B.P.T. Debentures (1969) of the face value of	...	500	555	10	0
					(10) 4% B.P.T. Debentures (1973) of the face value of	...	500	465	0	0
					(11) 4% B.I.T. Debentures (1962) of the face value of	...	500	930	0	0
					(12) 4% B.I.T. Debentures (1965) of the face value of	...	1,000	9,300	0	0
					(13) 4% B.I.T. Debentures (1972) of the face value of	...	10,000	930	0	0
					(14) 4% B.I.T. Debentures (1973) of the face value of	...	1,000	510	0	0
					(15) 4% B.M. Debentures (1974) of the face value of	...	500	11,718	2	0
					(16) 6% B.M. Debentures (1950-60) of the face value of	...	12,000	16,123	12	0
					(17) 5% B.M. Debentures (1954-59) of the face value of	...	18,000			
					(18) 4% B.M. Debentures (1961) of the face value of			510	0	0
					(original B.I.T. Debentures)	...	500	2,040	0	0
					(19) 4% B.M. Debentures (1962) of the face value of	...	2,000	6,862	8	0
					(20) 4% B.M. Debentures (1967) of the face value of	...	6,500	1,530	0	0
					(21) 4% B.M. Debentures (1965) of the face value of	...	1,500	510	0	0
					(22) 4% B.M. Debentures (1968) of the face value of	...	500	2,500	0	0
					(23) Fixed deposit with the Bombay Postal Co-operative Society Ltd.	2,500				
							1,42,500	0	0	
<b>Total</b>				<b>1,47,317</b>	<b>8</b>	<b>0</b>		<b>1,47,317</b>	<b>8</b>	<b>0</b>



# EDUCATIONAL.

## THE SCHOOLS COMMITTEE OF THE BOMBAY MUNICIPALITY.

Subject: *Administration Report for the year 1942-43.*

The Schools Committee at the end of the official year 1941-42, consisted of the following Members :—  
The Committee's personnel.

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Dr. R. K. Shirodkar, B.Sc., Ph.D., <i>Chairman.</i></li> <li>2. Mr. Abdul Razak Abdulla, J.P.</li> <li>3. Mr. A. A. Baigmahomed.</li> <li>4. Mr. B. J. Deorukhkar.</li> <li>5. Prof. D. R. Gharpure, M.A., B.Sc.</li> <li>6. Mr. Ganpatishankar N. Desai.</li> <li>7.* Mrs. Kantaben D. Khandwala, B.A.</li> <li>8. Mr. Kashiprasad Singh.</li> </ol> | <ol style="list-style-type: none"> <li>9. Mrs. Khadija Shuffi Tyabji, J.P.,</li> <li>10. Mr. M. V. Donde, B.A.,</li> <li>11.* Mr. Nanubhai V. Desai, B.A., G.D.A., R.A.</li> <li>12. Mr. N. S. Kajrolkar.</li> <li>13.* Mr. P. R. Lele, B.A., LL.B.</li> <li>14. Mr. Salebhoy Abdul Kader.</li> <li>15.* Mrs. Sutochana Modi, M.A.</li> <li>16. Mr. V. R. Tulla, B.Ag.</li> </ol> |
|---|---|

Under Section 39(4)(bb) of the Municipal Act, eight of these members retired from office on the first day of April 1942, and under Section 39(4)(c) of the Municipal Act, their places were filled up by the Municipal Corporation from the same date. Out of the eight members who retired, five were re-appointed. The Committee thus formed for the year 1942-43 was composed of the following Members :—

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Mr. A. A. Baigmahomed.</li> <li>2. Mr. A. L. Curtay, J.P.</li> <li>3. Prof. D. R. Gharpure, M.A., B.Sc.,</li> <li>4. Mr. Ganpatishankar N. Desai.</li> <li>5. Dr. Homi F. Pavri, M.C.P.S., M.B., B.S.</li> <li>6. Mrs. Kantaben D. Khandwala, B.A.</li> <li>7. Mr. Kashi Prasad Singh.</li> <li>8. Mrs. Khadija Shuffi Tyabji, J.P.</li> </ol> | <ol style="list-style-type: none"> <li>9. Mr. M. V. Donde, B.A.</li> <li>10. Mr. Nanubhai V. Desai, B.A., G.D.A., R.A.</li> <li>11. Mr. N. S. Kajrolkar.</li> <li>12. Mr. P. K. Sawant, B.A., LL.B.</li> <li>13. Mr. P. R. Lele, B.A., LL.B.</li> <li>14. Mr. Salebhoy Abdul Kader.</li> <li>15. Mrs. Sulochana Modi, M.A.</li> <li>16. Mr. V. R. Tulla, B.Ag.</li> </ol> |
|--|---|

The Committee for the year 1942-43, at their first meeting held on the 1st April 1942, elected Prof. D. R. Gharpure, to be their Chairman for the year.

During the course of the year, Mr. M. V. Donde resigned his seat from the 22nd February 1943 and the vacancy thus caused was not filled up till the 31st March 1943, i.e., till the end of the official year. There was no other change in the Committee's personnel during the course of the year.

Miss Kapila T. Khandwala, B.A., B.T.(Bom.), M.A. (U.S.A.), continued to hold the office of the Secretary, Schools Committee, throughout the year. She was on probation till 31st July 1942 and was confirmed in her appointment by the Corporation, with effect from the 1st August 1942.

2. The Committee held in all 61 meetings during the year. The number of meetings of the various Meetings. Sub-Committees held during the year was 24.

3. The year under report witnessed a decrease in the number of pupils in Municipal Schools from 86,113 Municipal Schools to 75,993, i.e., a decrease of 10,120 pupils. This was mostly due to the conditions and pupils. created by the war, as a result of which a large number of families with children of school-going age began to shift to up-country towns since the beginning of the year 1942 and the tendency for shifting continued, although on a gradually decreasing scale throughout the official year 1942-43. The detailed figures of schools and pupils for the year under report and for the previous year are given in the following statement :—

Class of Schools.	NO. ON 31ST MARCH 1942.		NO. ON 31ST MARCH 1943.	
	Schools.	Pupils.	Schools.	Pupils.
(1)	(2)	(3)	(4)	(5)
Marathi Boys' Schools	110	33,377	106	28,795
Marathi Girls' Schools	71	20,250	70	17,484
<b>Total</b>	<b>181</b>	<b>53,627</b>	<b>176</b>	<b>46,279</b>
Gujarati Boys' Schools	50+3	7,901	46+5	6,554
Gujarati Girls' Schools	28+5	4,429	28+5	4,777
<b>Total</b>	<b>78+8</b>	<b>12,330</b>	<b>74+10</b>	<b>11,331</b>
Urdu Boys' Schools	55+17	10,449	50+17	9,448
Urdu Girls' Schools	39	5,147	40+3	5,698
<b>Total</b>	<b>94+17</b>	<b>15,596</b>	<b>90+20</b>	<b>15,146</b>
Kanarese, Telugu, Tamil, Malayalam, etc., Schools	16+1	1,332	16	975
Hindi Schools	27	3,228	27	2,262
<b>Total</b>	<b>43+1</b>	<b>4,560</b>	<b>43</b>	<b>3,237</b>
<b>Grand total of all Municipal Schools</b>	<b>396+26</b>	<b>86,113</b>	<b>383+30</b>	<b>75,993</b>

\* Non-Councillor Members.

4. The total number of teachers, permanent and non-permanent on 31st March 1943, was as under :—  
**Teachers in Municipal Schools.**

Ordinary permanent teachers	...	2,443
Ordinary non-permanent full-time teachers	...	63
Ordinary non-permanent part-time teachers	...	...
Special teachers	...	109
<b>Total</b>	...	<b>2,615</b>

Out of these, 108 teachers were maintained as a separate staff for working in ordinary leave vacancies and 490 teachers were maintained for working in place of teachers studying at Training Colleges.

5. The number of pupils in Aided Schools rose during the year under review from 27,347 to 31,338. The number of Aided Schools and pupils in them will be seen from the following statement :—

	ON 31ST MARCH 1942.				ON 31ST MARCH 1943.			
	No. of Schools.	Boys.	Girls.	Total.	No. of Schools.	Boys.	Girls.	Total.
<b>Marathi Schools—</b>								
Boys' Schools	36	2,877	1,538	4,415	32	2,368	1,375	3,743
Girls' Schools	3	124	254	378	3	138	340	478
Night Schools	2	...	...	* ...	...	...	...	...
<b>Total</b>	<b>41</b>	<b>3,001</b>	<b>1,792</b>	<b>4,793</b>	<b>35</b>	<b>2,506</b>	<b>1,715</b>	<b>4,221</b>
<b>Gujarati—</b>								
Boys' Schools	70	7,203	2,375	9,578	69	6,700	2,604	9,304
Girls' Schools	21	497	2,994	3,491	22	597	3,066	3,663
Night Schools	3	127	1	128	3	77	...	77
<b>Total</b>	<b>94</b>	<b>7,827</b>	<b>5,370</b>	<b>13,197</b>	<b>94</b>	<b>7,374</b>	<b>5,670</b>	<b>13,044</b>
<b>Urdu—</b>								
Boys' Schools	19	1,819	653	2,472	19	2,196	943	3,139
Girls' Schools	4	...	755	755	4	...	835	835
Night Schools	3	184	...	184	3	195	...	195
<b>Total</b>	<b>26</b>	<b>2,003</b>	<b>1,408</b>	<b>3,411</b>	<b>26</b>	<b>2,391</b>	<b>1,778</b>	<b>4,169</b>
<b>English-teaching—</b>								
Boys' Schools	10	1,281	852	2,133	19	3,818	1,531	5,349
(Included in the Miscellaneous Schools).								
Girls' Schools	3	78	912	990	8	295	1,982	2,277
<b>Total</b>	<b>13</b>	<b>1,359</b>	<b>1,764</b>	<b>3,123</b>	<b>27</b>	<b>4,113</b>	<b>3,513</b>	<b>7,626</b>
<b>Miscellaneous—</b>								
Boys' Schools	10	999	367	1,366	9	734	242	976
Girls' Schools	2	...	275	275	2	...	289	289
Kanarese Night Schools	4	500	12	512	3	330	3	333
<b>Total</b>	<b>16</b>	<b>1,499</b>	<b>654</b>	<b>2,153</b>	<b>14</b>	<b>1,064</b>	<b>534</b>	<b>1,598</b>
Special Institutions	3	277	393	670	3	313	367	680
<b>Grand Total</b>	<b>193</b>	<b>15,966</b>	<b>11,381</b>	<b>27,347</b>	<b>199</b>	<b>17,761</b>	<b>15,577</b>	<b>31,338</b>

Unlike the Municipal Schools, the Aided Schools have shown an increase in the number of pupils during the year but on an inspection of the details it will be seen that the increase was only in the English-teaching schools and that too because several new schools have been added to the list.

Besides the Aided Schools, there are also other schools which are recognised but do not receive a grant-in-aid from the Schools Committee. The number of such schools and the number of pupils in them, as on 31st March 1942, and 31st March 1943, are given below :—

Class of Schools.	ON 31ST MARCH 1942.				ON 31ST MARCH 1943.			
	No. of Schools.	Boys.	Girls.	Total.	No. of Schools.	Boys.	Girls.	Total.
Recognised Boys' Schools	10	980	88	1,068	15	1,830	221	2,051
Girls' Schools	3	1	88	89	4	1	136	137
<b>Total</b>	<b>13</b>	<b>981</b>	<b>176</b>	<b>1,157</b>	<b>19</b>	<b>1,831</b>	<b>357</b>	<b>2,188</b>

\*The number of pupils could not be ascertained as both these schools were subsequently closed.

It will be seen from the figures quoted above that during the year under report, the number of recognised schools as well as the number of pupils in such schools showed mostly a large increase. Here also the increase was due mostly to the addition of some English-teaching schools to the list.

6. The total number of full-time and part-time teachers in Aided Schools at the end of the year was 1,561 as against 1,549 of the previous year, the particulars being as under :—

	Full-time teachers.			Part-time teachers.		
	Males.	Females.	Total	Males.	Females.	Total.
On 31st March 1943 ... ..	494	644	1,138	268	155	423
	Grand Total 1,561					
On 31st March 1942 ... ..	576	564	1,140	274	135	409
	Grand Total 1,549.					

In the recognised unaided schools, the number of teachers at the end of the year was 139 (96 full-time plus 43 part-time) as against 88 (60 full-time plus 28 part-time) at the end of the previous year.

7. The total amount of grants paid during the year was Rs. 2,16,459, as against Rs. 1,89,856, in the previous year. It requires to be mentioned here that during the year under report a cut of only 4 per cent. was applied to the grants assessable to the Aided Schools, under the rules, while in the previous year, the cut applied was 12.5 per cent.

8. The total expenditure incurred by the Aided Schools, as shown by them, amounted to Rs. 13,56,606. The average number of pupils on rolls in Aided Schools during the year was 27,657, and on the basis of this number the cost per pupil in these schools works out to Rs. 49.1 as against Rs. 38.7 in the previous year. The cost per pupil to the Municipality by way of Grant was Rs. 7.8 as against Rs. 6.3 of the previous year.

9. The Annual Census of compulsory age children in the city taken in December 1941, revealed the following figures of children of compulsory age attending and non-attending :—

	Boys.	Girls.	Total.
Attending ... ..	68,017	51,778	1,19,795
Non-attending ... ..	4,756	6,794	11,550
Total number of compulsory age children ...	72,773	58,572	1,31,345

However, on 31st March 1942, i.e., at the end of the year previous to that under report, the number of compulsory school-going age children attending schools came down to 89,820, owing to a large population of Bombay having shifted elsewhere due to War panic.

During the year under report, the families which had shifted from Bombay, due to War panic had not returned to the City and hence the Annual Census of children of compulsory age was not taken. However, the following table gives the figures of the number of children of all ages attending schools in the City on 31st March 1943, as the correct of non-attending children of compulsory age cannot be ascertained :—

Pupils in.	Under-age.	Of compulsory age.	Overage.	Total.
Municipal Schools ... ..	2,873	55,377	17,743	75,993
Aided and Recognised Schools ... ..	3,473	23,760	5,953	33,186
European Schools ... ..	287	1,090	124	1,501
Total ... ..	6,633	80,227	23,820	1,10,680

10. The year under report opened with a balance of Rs. 20,000. The total amount at the disposal of the Schools Committee was Rs. 42,04,152-1-7 as given below :—

Opening Balance.	Municipal Grant.	Other miscellaneous receipts.	Total.
Rs. 20,000	Rs. 41,59,624 a. p. 2 10	Rs. 24,527 a. p. 14 9	Rs. 42,04,152 a. p. 1 7

The total expenditure for the year, excluding the expenditure on the head office which is met from the General Municipal Fund, amounted to Rs. 41,84,152-1-7, leaving a Closing Balance of Rs. 20,000. The details of the Receipts and Expenditure for the year under report will be found in Appendix A.

11. The expenditure on the Schools Committee's Head Office, which is paid out of the General Municipal Fund, was Rs. 67,368-9-9, for the year. The staff of this office consists mainly of the Secretarial, Accounts, Records, and Correspondence branches of the department.

12. The grant paid by Government to the Municipality towards the Primary Education in the City during the year amounted to Rs. 9,45,000.

13. The average cost per pupil in Municipal Schools calculated on the number of pupils on the rolls on the last day of the year, was Rs. 52. The figure for the previous year was Rs. 45.3. **Average cost per pupil.** Calculated on the average number of children on rolls, the figure works out to Rs. 54.4 as against Rs. 36.2 of the previous year. If the expenditure on the Head Office be also taken into account, the corresponding figures for the year under report calculated on the number of pupils on the rolls on the last day of the year and on the average number of children on the rolls throughout the year will be Rs. 52.8 and Rs. 55.3 respectively. The increase in the cost per pupil is due to the fall in the number of pupils in the course of the year and also to increased expenditure under certain heads such as Training Institutions. Although the number of pupils remained at a low figure throughout the year, the staff of teachers and menials—retained in service after the heavy fall in the number of pupils during the previous year—could not be reduced as they were all permanent employees. This fact has been the main cause of the cost per pupil remaining at a high level.

The following table will show at a glance, the average cost per pupil during the year under report together with the corresponding figures for the previous year :—

Expenditure per pupil for		1942-43.	1941-42.
(a)	According to the number of pupils on rolls (75,993) on 31-3-1943 ...	52	
	Do. do. do. (86,113) on 31-3-1942 ...		45.3
(b)	According to the average number of pupils on rolls (72,573) for the whole year 1942-43 ...	54.4	
	Do. do. do. (1,07,282) for the whole year 1941-42		36.2*
(c)	As per (a) above, plus expenditure on the Head Office for the year 1942-43	52.8	
	Do. do. do. do. for 1941-42		46.05
(d)	As per (b) above, plus expenditure on the Head Office for the year 1942-43	55.3	
	Do. do. do. do. for the year 1941-42		36.8

14. The Municipal Audit Establishment has been carrying out a regular and detailed audit of the Schools Committee's Accounts. During the year under report, they made several **Audit of the Accounts.** suggestions and every effort is being made to carry out their suggestions. An idea of the work of the audit department with regard to the School Fund Accounts can be had from the fact that one Head Clerk and two ordinary clerks belonging to the Audit Department are now sitting whole-time in the Schools Committee's Office all the year round, for audit of the School Fund Accounts.

15. Mr. M. V. Donde, B.A., District Commissioner, and Mr. M. M. Killedar, M.L.A., I.P., and Mr. R. K. Achrekar, Assistant District Commissioners of the Municipal Boy Scouts continued to hold their office during the year. The number of troops and packs at the end of the year was 64 and 102 respectively and that of Scouts and Cubs was 1,751 and 2,881 respectively. **Boy Scouts.**

The Taikalwady Welfare Centre maintained by the Municipal Boy Scouts Association carried on all its usual activities during the year under report. The total expenditure for the year on this Centre amounted to Rs. 900 and was met from the monthly grant of Rs. 75 specially sanctioned for the purpose out of Municipal Funds by the Standing Committee. The activities of the Centre included indoor and outdoor games, gymnastics, a sewing class for women, classes for teaching English, Marathi and Gujarati, A.R.P. instruction, sanitation rounds, literacy propaganda, meetings for settling private disputes, etc.

16. Mrs. Khadija Shuffi Tyabji, M.L.A., J.P., continued to hold the office of the Commissioner for Municipal Girl Scouts, throughout the year. The total number of Girl Scouts and Bulbuls at the end of the year was 3,192 out of whom 1,017 were Girl Scouts and the rest were Bulbuls. The number of Girl Scout Companies was 45 and that of Bulbul flocks was 102. **Girl Scouts.**

17. The number of pupils studying in the Central Schools i.e., schools wherein provision has been made for the teaching of vocational subjects, was as follows :—

Subject.	No. of pupils.
Carpentry	... 460
Tailoring	... 45
Sign-board Painting	... 5
Clock-repairing	... 10
Printing and Book-binding	... 110
Total	... 630

The number of pupils from Central Schools, who appeared for the Carpentry examination was 64 and 40 from them were successful. The annual Handicraft Exhibition was not held during the year owing to the extremely high prices of materials required for finishing the articles turned out by pupils of the Handicraft Classes.

\* As the average number of pupils on the rolls for the year 1941-42, was 1,07,282 which is more than the number of pupils on 31st March 1942, (which was 86,113) the cost per pupil worked out on the basis of average number is less. The number of pupils on the rolls in the Municipal Schools went on increasing during the first nine months of the year 1941-42, the highest number being 1,14,586 on 1st January 1942, and it went down only during the last three months of the year to 86,113 on 31st March 1942.

18. Owing to the shortage of funds the Prize Distribution Ceremony of the Annual Sports was not held during the year under report. The sports were also held on a much smaller scale than usual and separately for each side, although the final general competitions were omitted.

19. The number of ladies studying in the classes of the Rahimtoola Currimbhoy Urdu Training Institute during the year was as shown below :—

Class.	No. of girl stipendiaries.	No. of teachers on deputation.	Total No. of pupils.
Junior 1st Year Class ...	8 (+1 Outsider without stipend).	...	9
Senior 1st Year Class ...	7	2	9
Total ...	16	2	18

The results of the examinations held in the year 1943 are given below :—

JUNIOR 1ST YEAR.		SENIOR 1ST YEAR.	
No. appeared.	No. passed.	No. appeared.	No. passed.
9	9	9	7

20. During the year under report, there was a very large fall in the number of children in Municipal Schools and consequently a large number of teachers—even from the permanent staff—were rendered superfluous. In the ordinary course, the staff thus rendered superfluous would have come in for being relieved from their appointments. But the Schools Committee, with a view to saving them from the hardship that would have fallen to their lot, if such a course had been adopted, found a way out, by opening several Training Classes, at Municipal expense and deputing the majority of untrained teachers either on leave or on a stipend to these classes. The Training Classes were opened on all sides, i.e., Marathi, Gujarati, Hindi and Urdu, and no less than 450 teachers were under training therein during the year.

21. Out of the 11 Free Reading Rooms and Libraries maintained by the Schools Committee in previous years, all except 1, viz., the Municipal Teachers' Library in the Schools Committee's Office Building at Gilder Tank, were by the desire of the Municipal Corporation, transferred from the control of the Schools Committee and placed under a separate officer, called 'The Chief Librarian', with effect from the 1st March 1943. The Library Department, from that date, is directly under the Municipal Commissioner. The Municipal Teachers' Library which is meant only for the Schools Committee's employees and is not open to the public, continues under this department, and was taken advantage of by a large number of teachers.

22. Mention ought to be made here of the seven Local Ward Committees, which carried on their useful work as usual and of the Schools Committee's employees' Co-operative Credit Society, which did prosperous business and served the financial needs of employees, of the department during the year under report.

A particular feature of the year's activities was the organisation of an A. R. P. Exhibition in the month of January 1943. The Exhibition was intended to give information and education to the visitors in the methods of protection during Air Raids and other cognate matters. The Sheriff of Bombay was kind enough to open the Exhibition and it was presided upon by the Municipal Commissioner. The whole work of preparing the exhibits and charts, etc., was carried out by Municipal teachers with the valuable help of Mr. Y. A. Gole.

23. In conclusion, the Schools Committee place on record their appreciation of the Services rendered by the officers, clerks, teachers and the inferior staff in their department, during the year under report.

K. KHANDVALA,  
Secretary Schools, Committee.

## APPENDIX 'A'

## Statement of Income and Expenditure of the School Fund for the year 1942-43.

Receipts.	Rs. a. p.		Expenditure.		Rs. a. p.		
	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	
(1) Balance on 1st April 1942	20,000	0 0	(1) Headmasters and Teachers	22,34,969	12 0		
(2) Fees from Municipal Schools	17,689	12 0	(1A) Training Institutions	52,815	4 0	22,87,785	0 0
(3) Contribution from General Municipal Fund	41,59,624	2 10	(2) Servants			1,82,947	9 0
(4) Interest on Endowment and Trust Funds	5,886	6 0	(3) Rent of School Premises			5,90,398	10 9
(5) Miscellaneous Receipts	951	12 9	(4) Class Books			532	10 9
(6) Pension Fund subscription from employees			(5) Furniture for Schools			20,612	14 0
			(6) Prizes				
			(7) Contingencies and Miscellaneous			3,02,867	15 10
			(8) Stipends to teachers under training			1,10,479	14 0
			(9) Superintendents and their Establishments			1,07,947	1 6
			(10) Grant-in-aid to Primary Schools			2,16,459	0 0
			(11) Teachers' Library			2,657	9 0
			(12) Medical Inspection and Clinical Treatment				
			(13) Superintendent, Aided Schools			7,715	5 6
			(14) Census Establishment			27,856	14 6
			(15) Pension Gratuity, etc.			1,37,055	2 0
			(16) Municipal contribution towards Provident Fund			1,70,445	14 0
			B.—Buildings			6,844	0 0
			C.—Public Libraries			11,496	8 9
			Balance on 31st March 1943			20,000	0 0
<b>Total</b>	<b>42,04,152</b>	<b>1 7</b>	<b>Total</b>	<b>42,04,152</b>	<b>1 7</b>		

J. R. NAIK,  
Superintendent of Accounts.

K. KHANDVALA,  
Secretary, Schools Committee.

## APPENDIX 'B'

## Balance Sheet as on 31st March 1943.

Liabilities.		Rs. a. p.		Rs. a. p.		Assets.		Rs. a. p.	
<i>Advances from the Chief Accountant.</i>						<i>Imperial Bank of India Government, etc., Paper Deposit Account (vide Schedule No. 2).</i>			
On account of Municipal contribution	1,23,712	2 5				On account of Trust, Scholarship and Prize Fund (as per contra)	1,99,897	10 0	
On account of A.R.P. measures	705	4 3				Chief Accountant, Bombay Municipality (Deposit regarding Provident Fund Investment)	34,18,188	1 0	
<i>Deposit Accounts.</i>				1,24,417	6 8	<i>Advances.</i>			
Schools Committee employees Co-operative Credit Bank, Ltd.	27,826	9 0			To head teachers of all schools for contingency	2,998	8 0		
Miscellaneous	27,298	1 6			To officials (vide Schedule No. 3)	533	0 0		
Unclaimed wages, regarding schools	10,294	11 3			To Garrison Engineer for water charges	5	0 0		
Unclaimed Rent	3,243	7 0						3,536	8 0
Contractors	1,575	0 0			Deposit in Court for re-hearing of a rent suit...			34	0 0
Unclaimed wages, regarding offices	508	14 0			<i>Bank and Cash Balances.</i>				
Income-tax recoveries	91	7 0			Balance at Imperial Bank	2,16,321	13 5		
Court attachment recoveries	75	4 0			Balance in Office Treasury	343	12 9		
Estate Agent and Land Manager's rent recoveries	68	7 0						2,16,665	10 2
<i>Trust Scholarships and Prize Funds (vide Schedule No. 1).</i>				70,981	12 9				
Investment securities (as per contra)	1,99,897	10 0							
Interest and Cash	11,338	9 3							
<i>Provident Fund Account.</i>				2,11,236	3 3				
Subscription	37,11,073	11 6							
Deposits	4,84,085	14 0							
	41,95,159	9 6							
<i>Less—</i>									
Advances to subscribers	6,89,843	0 0							
Insurance Premia	93,630	3 0							
	7,83,473	3 0							
Balance (Statutory)					34,11,686	6 6			
					20,000	0 0			
<b>Total</b>	<b>38,38,321</b>	<b>13 2</b>			<b>Total</b>	<b>38,38,321</b>	<b>13 2</b>		

J. R. NAIK,  
Superintendent of Accounts.

K. KHANDVALA,  
Secretary, Schools Committee.

APPENDIX B.  
Balance Sheet as on 1942-43.

SCHEDULE No. 1.  
Details of Trust Scholarships and Prize Funds.

Name.	Investments.		Interest & cash.	
	Rs.	a. p.	Rs.	a. p.
(1) Donations, re : scholarships to Urdu Girls' Schools	...	...	194	9 0
(2) Harkisondas Brijlal Prize Fund	600	0 0	21	14 0
(3) Dr. Blaney Prize Fund	1,300	0 0	63	15 0
(4) Madhavdas Raghunathdas Prize Fund	500	0 0	34	0 0
(5) Jivkore Lallubhai Scholarship and Prize Fund	3,000	0 0	613	5 0
(6) Bachubai S. Bengali Prize Fund	1,200	0 0	48	14 0
(7) Lady Hardinge Prize Fund	1,600	0 0	106	11 3
(8) R. S. Taki Scholarship and Prize Fund	1,100	0 0	168	14 0
(9) War Loan Prize Fund	4,400	0 0	239	13 0
(10) Rambhabai L. Prabhudas Scholarship and Endowment Fund	10,000	0 0	170	10 4
(11) Permanand Raja Endowment Fund	13,800	0 0	...	...
(12) Valibai Vallabhdas Endowment Fund	29,000	0 0	...	...
(13) Nagardas Raghunathdas Scholarship and Endowment Fund	23,000	0 0	225	8 0
(14) Navalbai Raghunathdas Scholarship Fund	2,800	0 0	220	0 8
(15) Madhavrao Rokde Free School Endowment Fund	27,800	0 0	...	...
(16) N. G. Welinkar Scholarship and Prize Fund	1,100	0 0	44	6 0
(17) Jairajbhoy Peerbhoy Girls' School Trust Fund	2,400	0 0	...	...
(18) Thakkar Peraj Padamsi Endowment Fund	8,000	0 0	30	0 0
(19) Parvatibai Dwarkadas Prize Fund	200	0 0	9	0 0
(20) Golden Jubilee of the S. S. Bengali Girls' School Trust Fund	4,900	0 0	401	8 0
(21) Seth Dwarkadas Tribhuwandas, J.P., Garba Party Lahani Fund	5,500	0 0	586	14 6
(22) Ratansi Mulji Scholarship and Endowment Fund	10,000	0 0	193	4 0
(23) Manekbai Ratansi Prize Fund	1,000	0 0	40	0 0
(24) Seth Dwarkadas Tribhuwandas, J.P., Prize Fund	3,000	0 0	394	4 6
(25) Rahimtoola Currimbhoy Training Institute for Women Scholarship Fund	18,000	0 0	6,668	9 1
(26) Padmabai Quran Shariff School Trust Fund	6,500	0 0	...	...
(27) Jeshtaram Premji Gujarati School Trust Fund	9,100	0 0	...	...
(28) Bai Gulabbai H. Shah Prize Fund	900	0 0	112	6 6
(29) Kharshedbai D. Wadia Prize Fund	500	0 0	29	14 0
(30) S. B. Pendurkar Scholarship Fund	600	0 0	134	0 1
(31) S. S. Bengali Gujarati Girls' School Prize Fund	97	10 0	10	9 4
(32) H. G. Anjaria Memorial Fund	1,200	0 0	234	5 0
(33) Anandibai Keskar Dadar Kumbharwada Marathi Girls' School Prize Fund.	100	0 0	3	8 0
(34) Municipal Gulabbai Central Gujarati Kanyashala Diamond Jubilee Memorial Fund	5,200	0 0	272	2 0
(35) Vishnupant Pagnis Memorial Prize Fund	1,500	0 0	65	12 0
Total ...	1,99,897	10 0	11,338	9 3

J. R. NAIK,  
Superintendent of Accounts.

K. KHANDVALA,  
Secretary, Schools Committee.

SCHEDULE No. 2.  
Details of Government, etc., paper deposited with the Imperial Bank of India.

Particulars.	Face value.		Book value.	
	Rs.	a. p.	Rs.	a. p.
3½ per cent. Government Loan (1842-43)	37,300	...	37,300	0 0
Do. (1954-55)	9,600	...	9,600	0 0
Do. (1900-01)	21,400	...	21,400	0 0
Do. (1865)	1,100	...	1,100	0 0
Do. (1879)	1,000	...	1,000	0 0
Do. (1954-55)	100	...	97	10 0
5 per cent. Tax Free Loan (1945-55)	22,300	...	22,300	0 0
4½ per cent. Loan, (1955-60)	12,600	...	12,600	0 0
4 per cent. Bombay Municipal Loan (1943-63-65)	3,500	...	3,500	0 0
4 per cent. Bombay Municipal Loan 70 lacs (1974)	29,000	...	29,000	0 0
6 per cent. Bombay Municipal Loan 160 lacs (1954)	35,000	...	35,000	0 0
6 per cent. Bombay Municipal Loan 40 lacs (1930)	500	...	500	0 0
4 per cent. B.P.T. Bonds (1950-60)	24,500	...	24,500	0 0
4½ per cent. Ghatkopar-Kirol Debenture	1,000	...	1,000	0 0
One share of Ahmedabad Commercial Mills, Co. Ltd.	1,000	...	1,000	0 0
Total ...	1,99,900	...	1,99,897	10 0

J. R. NAIK,  
Superintendent of Accounts.

K. KHANDVALA,  
Secretary, Schools Committee.

## SCHEDULE No. 3.

*Details of Advances to Officials.*

Secretary, Schools Committee	...	Rs. 250
Superintendent, Aided Schools	...	40
Special Attendance Officer	...	30
Headmaster, R. C. Training Institute	...	15
Supervisor of Handicrafts	...	15
Khetwady Clock-repairing Class	...	10
Headmaster, Foras Road Binding Class	...	18
Assistant Organising Commissioner, Boy Scouts	...	20
Assistant Organising Commissioner, Girl Guides	...	10
Librarian, Teachers' Library	...	15
Bhuleshwar G. B. Printing Class	...	20
Headmaster, Gujarati Training Class	...	40
Headmaster, Hindi Training Class	...	25
Headmaster, Urdu Training Class	...	25
Total	...	<u>533</u>

J. R. NAIK,  
*Superintendent of Accounts.*

K. KHANDVALA,  
*Secretary, Schools Committee.*



# PART II.

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## SUMMARY OF STATISTICS.

### FOR THE YEAR 1942.

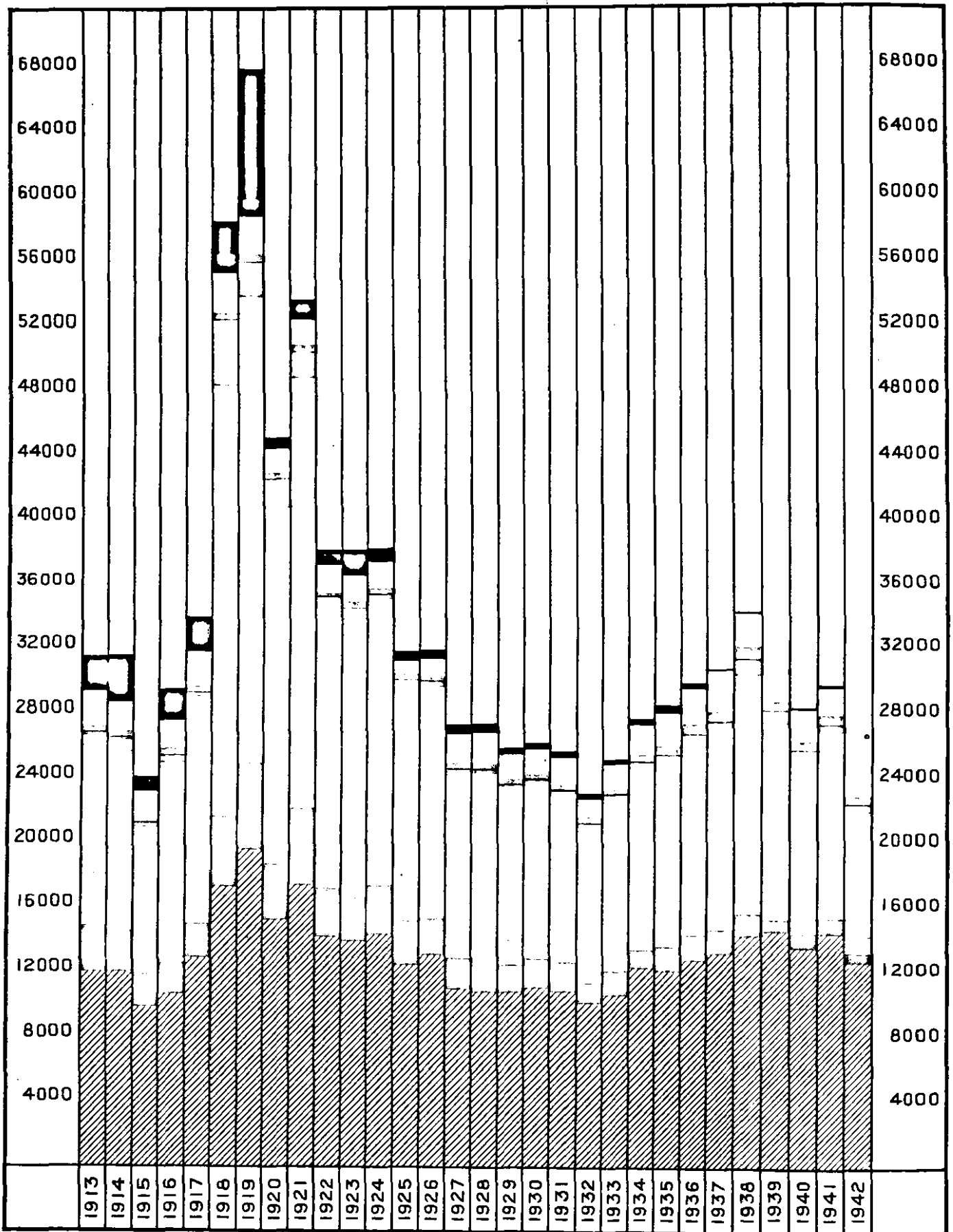
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1	Area of Bombay City and Island	...	...	...	...	26.189 Sq. Miles
2	Average density per acre	...	...	...	...	89
3	Population by the Census of 1941	...	...	...	...	14,89,883
4	Number of live births registered	...	...	...	...	31,536
5	Birth rate per 1,000 population	...	...	...	...	21.2
6	Number of deaths	...	...	...	...	25,177
7	Death rate per 1,000 population	...	...	...	...	16.9
8	Number of deaths among infants (under 1 year)	...	...	...	...	6,164
9	Infant deaths per 1,000 births	...	...	...	...	195.4
10	Plague—number of deaths from	...	...	...	...	Nil.
11	Small pox—number of deaths from	...	...	...	...	591
12	Small pox—Death rate	...	...	...	...	0.4
13	Cholera—number of deaths from	...	...	...	...	Nil.
14	Cholera—Death rate	...	...	...	...	0.0
15	Influenza—number of deaths from	...	...	...	...	28
16	Influenza—Death rate	...	...	...	...	0.0
17	Tuberculosis—number of deaths from	...	...	...	...	1,581
18	Tuberculosis—Death rate	...	...	...	...	1.0
19	Maternal Deaths	...	...	...	...	122
20	Maternal Death rate per 1,000 births (including still births)	...	...	...	...	3.6

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# A DIAGRAM

## ANNUAL TOTAL DEATHS FROM DIFFERENT CAUSES IN BOMBAY 1913-1942.



SMALL POX.
  PLAGUE.
  TYPHOID.
  RESPIRATORY DISEASES.
  AGUE & REMITTENT FEVERS.

CHOLERA.
  TUBERCULOSIS.
  OTHER INFECTIOUS DISEASES.
  DIARRHOEA, ENTERITIS & DYSENTERY.
  OTHER NONINFECTIOUS DISEASES.

# ANNUAL REPORT OF THE EXECUTIVE HEALTH OFFICER

FOR 1942.

**Review of the year.**—The general condition of the public health of Bombay was satisfactory during the year. The number of live births registered during the year was 31,536, while the number of deaths registered was 25,177. The excess of births over deaths was equivalent to 4.26 per 1,000 of population according to the census of 1941.

There was no death from Plague or Cholera and the number of deaths caused by Small-pox, Influenza, diseases of the Respiratory System and Tuberculosis was, in each instance, less than that of the previous year or of the preceding decennium (*vide* table on page 2).

Deaths among infants under one year of age numbered 6,164 against 8,445 in 1941 and 8,303, the average for the last 10 years (1932-41). The rate of infant deaths per 1,000 births registered was 195.4 as against 211.4 and 207.8 respectively for the preceding year (1941) and decennium (1932-41).

**Area and Population.**—The area of the City and Island is 26.189 square miles (16761.5762 acres). Although the average density of population of the City worked out on this area was 89 per acre in 1941, as shown by sections in Table No. 2 (Appendix), on account of increased industrial and other activities the population has much increased since about the end of 1942 and hence the density of population is much greater than 89.

The population according to the Census of 1941 was 14,89,883 as shown by sections in Table No. 1 (Appendix).

**Registration of Births and Deaths.**—The history of the development of Registration of Births and Deaths has been given in the Annual Report for 1934-35.

## BIRTHS AND BIRTH-RATES

The number of live births registered during the year was 31,536. It was 8,418 less than in 1941 and 4,733 less than the average of the decennium (1932-41). The number of births registered each month during the year under review and in 1941 was as shown below :—

Period.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1941 ... ..	3,629	2,846	3,108	2,953	3,013	2,860	2,997	3,201	3,499	3,799	3,863	4,186
1942 ... ..	3,593	3,005	2,139	1,995	2,047	1,882	1,999	2,194	2,446	3,240	3,373	3,623

The decrease was due to expectant mothers having evacuated voluntarily to places outside the City on account of the scare of threatened enemy action from the month of March till about the month of September 1942 resulting in the fall in births as compared to the previous year.

Of the registered births 16,170 were males and 15,366 females, the proportion of males to females being 105 to 100. The birth rate calculated on the census population of 1941 was equivalent to 21.2 per thousand. The birth rate recorded year by year for the City is not probably a fair measure of the true fertility of the population and a large number of births escape registration due to negligence on the part of the parents and others responsible for their registration. Lack of legal steps against such persons and slackness on the part of the Birth Registration Karkoons are also responsible for some of the births escaping registration. Efforts are being made to secure prompt registration of such births.

Table No. 3 (Appendix) shows the number of births by communities and the birth rate per 1,000 of their population. Table No. 3A (Appendix) shows the number of births registered in each month during the years 1940, 1941 and 1942 and the average of the preceding five years.

The number of still-births reported was 2,009. Like the live-births and to a great extent for the same reason still-births were less in 1942 as compared to 1941 or the average of the preceding decennium.

## DEATH AND DEATH-RATES

The total number of deaths registered from all causes during the year was 25,177 against 31,096 in 1941. It was 6,319 less than the average annual mortality of the quinquennium (1937-41) and 4,233 less than the average mortality of the preceding 10 years (1932-41).

The death-rate per 1,000 persons living was 16.9 as against 20.9 in 1941, 25.0 in 1940 and 24.6 the average for the preceding decennium. The death-rate (like the birth-rate) is invariably high amongst the poorer classes, and as an unduly large proportion of the population of the City belongs to the poorer sections of Society the general death-rate is raised by that of the unusually large proportion of the very poor. The markedly low death rate in 1942 was due to the evacuation of this class of people. The social and economic causes usually tend to contribute toward an increased death-rate amongst the poorer section of people. High rate of infantile mortality is also chiefly responsible for the increase in the death-rate of the City. It is generally observed that nearly 50 per cent. of the mortality is due to deaths of children below 5 years of age. During the year under review, 24.5 per cent. of deaths alone were among infants below 12 months. Out of this, nearly 46.6 per cent. of infantile deaths were recorded under Congenital Debility, Premature Births, Malformation etc.

The annual total deaths from different causes in Bombay since 1911 are indicated in the diagram "A" facing page No. 1.

The annual death-rates during the last fifty years are indicated in the Diagram "B" facing page No. 2.

**Mortality by Sex and Age.**—Of the total number of 25,177 deaths in the year 14,309 were among males and 10,868 among females. The large number of deaths among males is due to the preponderance of males who constitute nearly sixty-three per cent. of the population, the actual death-rate being higher among

females. Thus male death-rate was 15 and the female death-rate 20 in 1942 as against 18 and 26 respectively in 1941. The comparatively high death-rate among females is due to various causes one of them being the enhanced risk to life and health during the child bearing period. Women are burdened with the child-bearing responsibilities and if they are not properly cared for due to poor circumstances, want of proper nourishment and rest saps their vitality in early age. They are thus rendered easily susceptible to various diseases to which they fall victim.

The following table shows the proportional contribution to the total deaths of each age group in the two sexes:—

TABLE OF PERCENTAGES TO THE TOTAL MORTALITY BY AGE-PERIODS IN 1940, 1941 and 1942.

Age Period.	1940		1941		1942			Percentage.
	Total Mortality.	Percentage.	Total Mortality.	Percentage.	TOTAL MORTALITY.			
					Male.	Female.	Persons.	
Under 1 year	7,823	26.9	8,445	27.1	3,244	2,920	6,164	24.5
1 to 5 years	4,763	16.4	5,052	16.2	1,907	1,918	3,825	15.2
5 to 10 years	909	3.2	987	3.2	343	384	727	2.9
10 to 15 years	526	1.8	581	1.9	209	227	436	1.7
15 to 20 years	771	2.6	859	2.8	348	348	696	2.8
20 to 30 years	3,159	10.8	3,321	10.7	1,507	1,155	2,662	10.6
30 to 40 years	2,782	9.6	2,942	9.5	1,642	1,003	2,645	10.4
40 to 50 years	2,306	7.9	2,396	7.7	1,589	598	2,187	8.7
50 to 60 years	2,019	6.9	2,113	6.8	1,408	578	1,986	7.9
60 years and above	4,042	13.9	4,399	14.1	2,112	1,737	3,849	15.3
Age unspecified	...	...	1	0.0	...	...	...	...
Total	29,100	100.0	31,096	100.0	14,309	10,868	25,177	100.0

It will be seen from the table that the percentage of deaths among infants under one year of age to the total mortality in the year under notice was higher, as in the past, than in the case of any other age-group. So far as the mortality at different age-periods is concerned it is an established fact that the mortality rate is the highest upto one year of age. It also remains high upto 5 years. After 5 years of age the death-rate falls and again shows an increase at the 20-30 years age period. This is due to the young people commencing to take upon themselves the responsibilities of married lives and thus exposing themselves to various vicissitudes of life. The mortality rate among people who survive this stage again falls upto about 50 years of life and rises again after 60 years when most of the deaths are to be attributed to old age.

#### CAUSES OF DEATHS

The tabulation of deaths by causes since 1941 is carried out in accordance with the "Manual of International List of Causes of Death as adopted for use in England and Wales, 1938 Edition". Table No. 12 (Appendix) includes the full list of causes of deaths. All other statements of the causes of deaths are arranged in the form of the Short List of Causes adopted by the Registrar-General for England and Wales and the Local Government Board with certain sub-divisions which were found important for tabulation purposes in the City of Bombay.

**Principal Causes of Death.**—Table of Deaths and Death-rates from Epidemic Diseases and certain other Principal Causes of death in 1942 and 1941 with averages for 10 years (1932-41):—

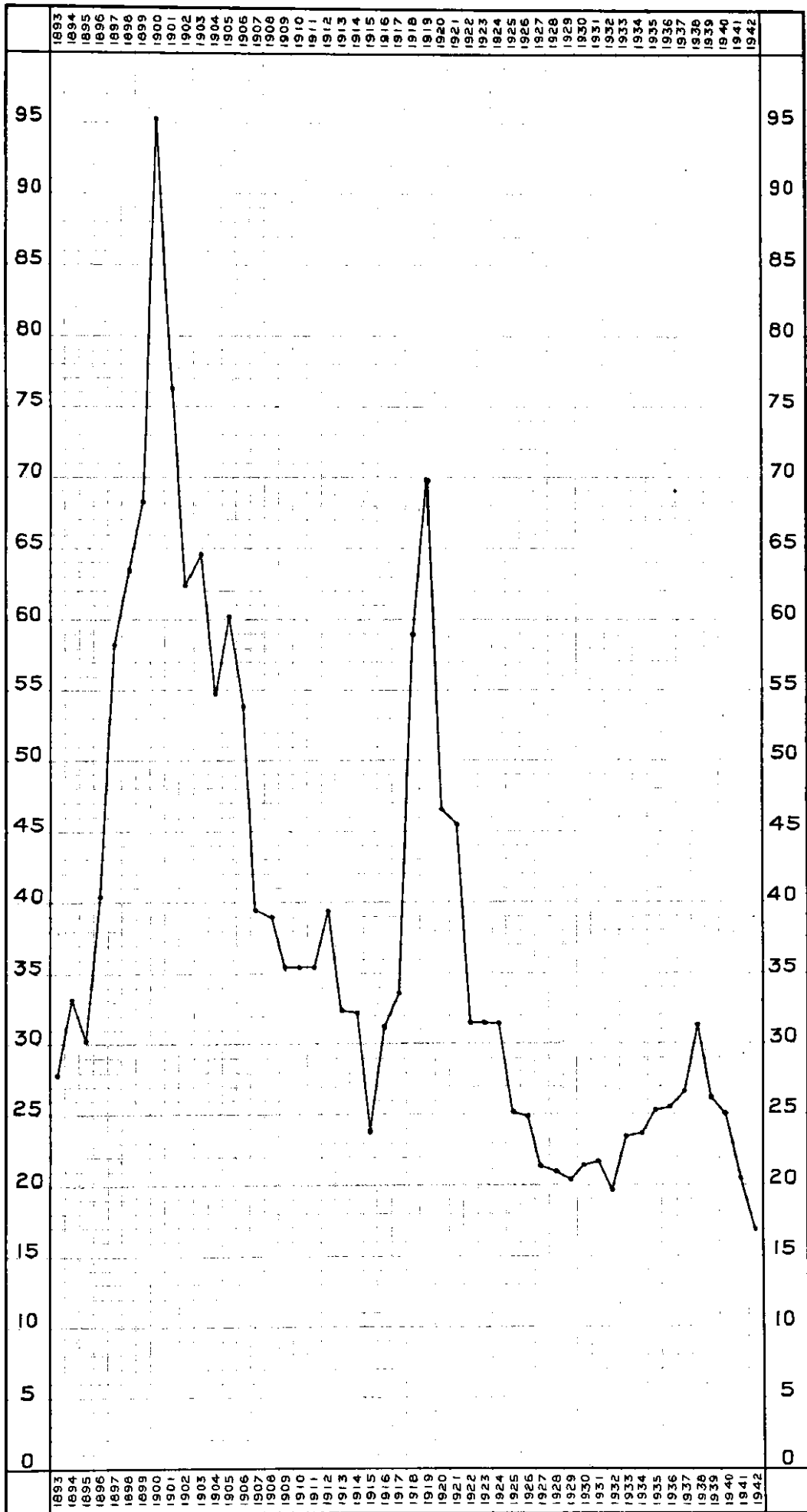
Causes of Death.	1942		1941		Average of years (1932-41)	
	Number of Deaths.	Death-rate per 1,000 of Population.	Number of Deaths.	Death-rate per 1,000 of Population.	Number of Deaths.	Death-rate per 1,000 of Population.
<i>Principal Epidemic Diseases—</i>						
Small-pox	591	0.4	1,293	0.9	1,016	0.8
Measles	186	0.1	199	0.1	178	0.1
Plague	...	...	...	...	12	0.0
Enteric Fever	375	0.2	554	0.4	324	0.3
Malarial Fever	109	0.1	88	0.1	97	0.1
Ague and Remittent Fever	400	0.3	668	0.4	1,105	0.9
Influenza	27	0.0	44	0.0	68	0.0
Cholera	...	...	7	0.0	7	0.0
Dysentery	315	0.2	400	0.3	414	0.3
Diphtheria	55	0.0	70	0.0	48	0.0
<i>Other Principal Diseases—</i>						
Tuberculosis	1,581	1.0	1,692	1.1	1,854	1.5
Cerebro-Spinal Fever	29	0.0	35	0.0	91	0.1
Diseases of the Nervous System	859	0.6	1,121	0.7	1,128	0.9
Diseases of the Respiratory System	7,740	5.2	10,186	6.8	10,390	8.7
Diarrhoea and Enteritis	819	0.5	974	0.6	956	0.8
Puerperal State	122	0.1	152	0.1	190	0.1
Congenital Debility and Diseases of early Infancy	2,105	1.4	3,702	2.5	3,410	2.8
Old Age	2,028	1.4	2,276	1.5	1,997	1.7
Leprosy	74	0.0	65	0.0	44	0.0
Violence	964	0.6	884	0.6	763	0.6
Other Causes	6,796	4.6	6,686	4.5	5,318	4.4
Total	25,177	16.9	31,096	20.9	29,410	24.6

It will be seen from the table and diagram C that in almost all infectious diseases there has been a decided fall in the special death-rate and that diseases of the Respiratory System were responsible as usual for a higher death-rate (5.2 per 1,000) than any other group. A large proportion of deaths from Respiratory Diseases occur among infants and children under 5 years of age. Congenital Debility and Diseases of early Infancy constituted the next most fatal group, giving a death-rate of 1.4 per 1,000 persons living. The

# B

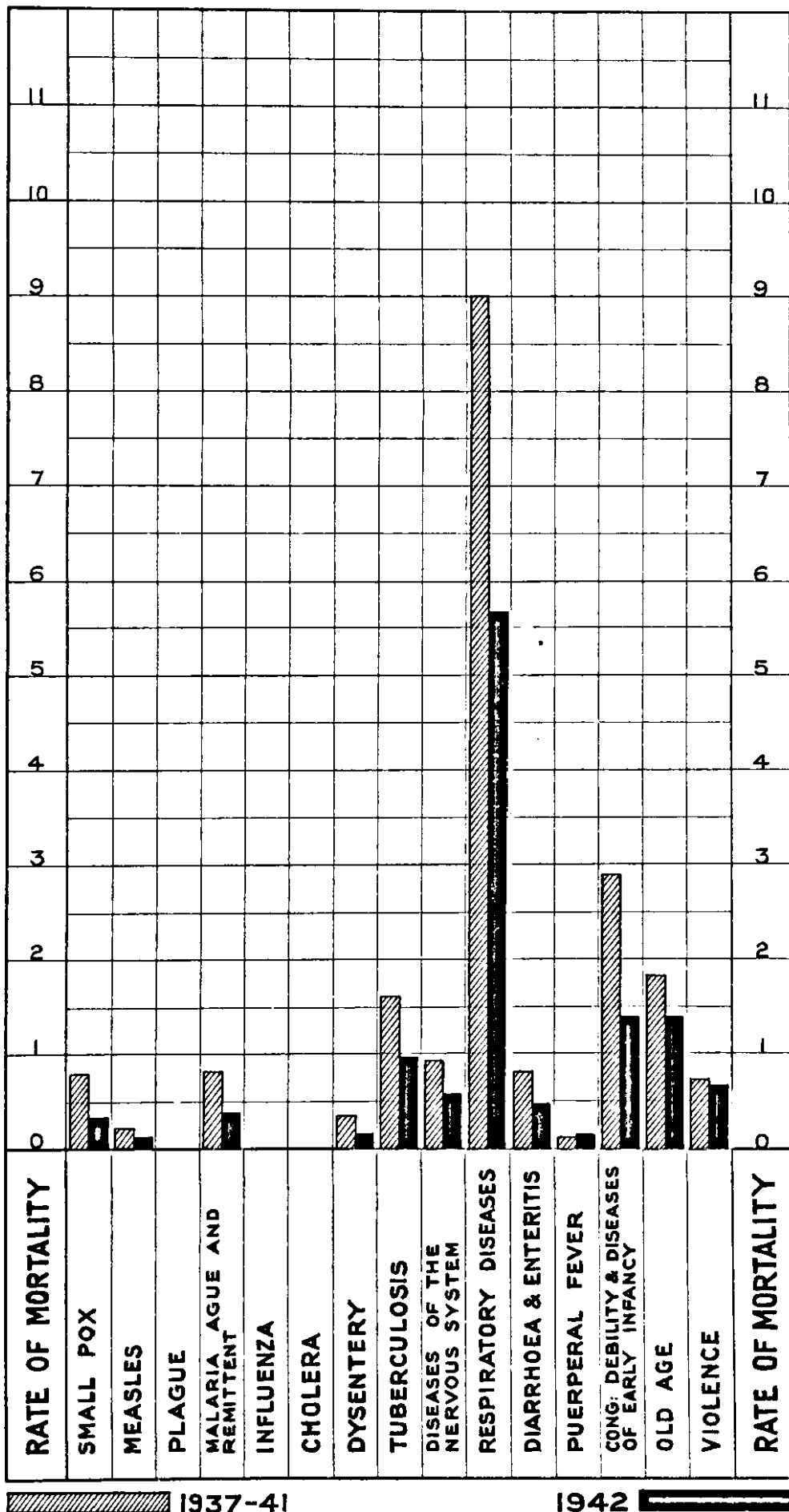
## DIAGRAM

### ANNUAL DEATH RATE IN BOMBAY 1893 - 1942.



# C DIAGRAM

## DEATH RATE PER 1000 OF POPULATION FROM PRINCIPAL CAUSES IN BOMBAY IN 1942 AND THE QUINQUENNIAL AVERAGES IN 1937 - 1941.

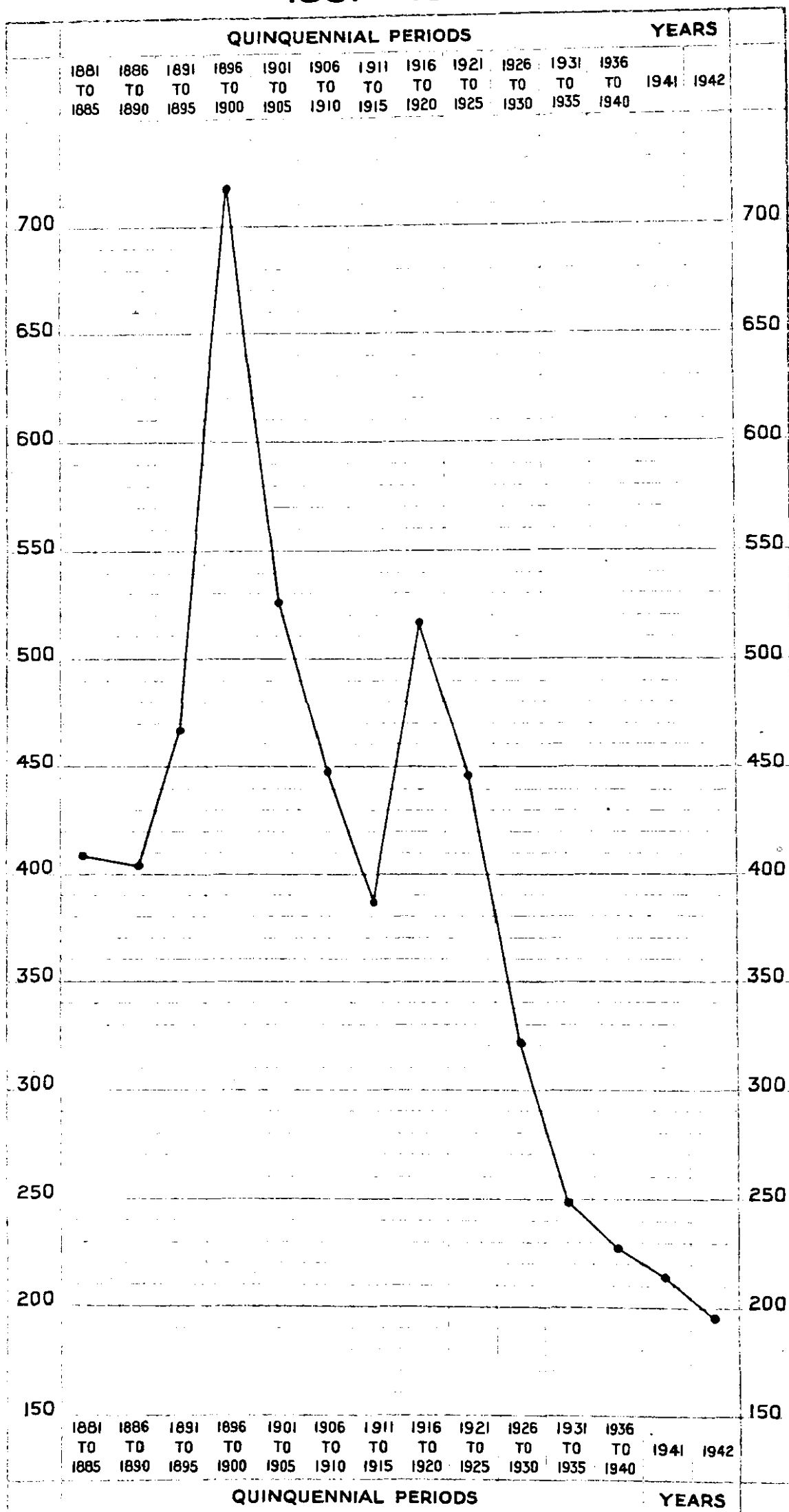


1937-41

1942

# D DIAGRAM

## DEATHS IN INFANTS PER 1000 BIRTHS IN BOMBAY 1881 - 1942





groups coming next on the list for the year under report are deaths attributed to Old Age (1.4), and Tuberculosis (1.0). There has been no rise in Tuberculosis death-rate as compared to 1941. The fall noticed as compared to the average for (1932-41) period is more due to the increased population in 1941 census on which the rate has been based.

**Certification of Causes of Death.**—The percentages of deaths certified to the total number of deaths in 1942 and the preceding five years are shown in the following table:—

Year.	Total Deaths.	Verified by District Registrars.	Number of Certificates of the Cause of Death received from						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.	Total	
1937	30,768	18,838	6,478	4,329	18	181	924	11,930	38.77
1938	35,999	22,381	7,698	4,586	39	219	1,076	13,618	37.83
1939	30,520	18,331	7,105	3,887	6	166	1,025	12,189	39.94
1940	29,100	16,984	7,036	3,772	12	117	1,179	12,116	41.6
1941	31,096	18,329	7,260	4,104	76	152	1,175	12,767	41.5
1942	25,177	14,213	6,283	3,152	41	207	1,281	10,964	43.5

Table No. 12 appended to the Report gives detailed information regarding the incidence of deaths from principal causes by months.

The mortality from Plague, Small-pox, Cholera, Influenza, Tuberculosis and Fevers in 1942 is discussed on pages 7 to 9.

The mortality rates for several diseases among different communities in the City are shown in Table No. 14 appended to the Report.

**Mortality by Months.**—The following table shows the total number of deaths registered in each month of the year. The number of monthly total deaths in 1941 is added to the table for comparison.

TABLE SHOWING THE MONTHLY TOTAL DEATHS IN 1942 AND THE MONTHLY NUMBER IN 1941.

Year.	MONTHS												Total.
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1942	2,694	2,485	2,439	1,852	1,538	1,515	2,097	2,249	2,067	2,082	1,979	2,180	25,177
1941	2,587	2,560	2,805	2,864	2,586	2,515	2,555	2,659	2,520	2,628	2,419	2,398	31,096

**Mortality by Sections.**—Table No. 6 (Appendix) shows total deaths and death-rates by sections in 1942 and the quinquennial averages (1937-41) and Table No. 9 (Appendix) total deaths by sections and by months during 1942.

**Copies of Death and Birth Certificates issued.**—During the year, 2,884 copies of registry of death and 978 copies of the certificates of birth were issued. The total fees received for copies of certificates and for searches of birth and death registers for various periods and for producing registers in Courts of Law amounted to Rs. 9,808-0-0 against Rs. 5,387-0-0 in 1941.

### INFANT MORTALITY

The deaths among infants under one year of age numbered 6,164 being 2,389 less than in the preceding year and 2,139 less than the annual average of the decennium (1932-41).

The infant mortality rate expressed as the number of deaths among infants per 1,000 registered births was 195.4 for the year 1942. It may be stated that a reduction in the infantile mortality is generally accepted as a criterion for the progress which a community makes as regards its health conditions and general welfare.

Of the 6,164 infants who died within one year of their birth, 4,626 or 75.1 per cent. were born in Bombay City and 1,538 or 24.9 per cent. in the mofussil (*vide* Table below) showing the place of birth of these infants. The births of these 1,538 infants were thus not registered in the City register. If, therefore, the figure 1,538 is excluded from the total number of infants who died in the City during the year, the rate of infant deaths per 1,000 births registered would be 146.7 instead of the official figure 195.4 as shown above. How much of this reduction in the rate can be set off against the deaths of infants occurring outside the city though born and registered in Bombay, cannot be estimated. But in any case the number will be small and therefore the infant death-rate after correction for residence would be approximately 150 per 1,000 live births—much lower than the recorded rate 195.

STATEMENT SHOWING THE NUMBER OF CHILDREN BORN IN AND OUT OF BOMBAY WHO DIED BEFORE COMPLETING TWELVE MONTHS OF AGE 1942.

	Bombay born.		Born out of Bombay.	Deaths under 1 year of age.
	Births registered.			
	Before death.	After death.		
Total	3662	964	1,538	6,164
Percentage	59.42	15.63	24.95	100.00

The percentage of deaths amongst children born in the mofussil and not registered in the City to the total infant deaths in 1942 is 24.9 against 28.2 in 1941 and 27.5 in 1940.

The Diagram D facing this page shows the incidence of Infant Mortality rate during the last 62 years.

**Cause of Death.**—It will be seen from the sub-joined Table that 4,860 or nearly 78.8 per cent. of the total deaths among infants were due to diseases of the Respiratory System, Infantile Debility and Premature Birth, against 6,506 deaths, or 77.0 per cent. in 1941. Diarrhoea and Enteritis caused 373 deaths, Malaria, Ague

and Remittent Fever 53 deaths and Convulsions 227 deaths. The deaths from Small-pox and Measles numbered 107 and 47 respectively.

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM (1937-42).

Cause of death.	1937.	1938.	1939.	1940.	1941.	Average 1937 to 1941.	1942.	More or less.
Small-pox	165	442	40	196	283	225	107	-118
Measles	54	73	22	63	81	58	47	-11
Malarial Fever	4	2	10	5	9	6	9	-3
Ague and Remittent Fever and Fever not defined	126	117	87	83	80	98	44	-54
Diarrhoea and Enteritis	558	600	510	471	501	528	373	-155
Dysentery	83	74	85	66	50	72	45	-27
Infantile Debility and Malformation including Premature Birth	3,392	3,637	3,627	3,501	3,588	3,549	2,871	-678
Diseases of the Respiratory System	3,279	3,749	3,747	2,550	2,918	3,249	1,989	-1,260
Convulsions	560	583	430	480	385	487	227	-260
All Causes	8,688	9,801	8,008	7,823	8,445	8,553	6,164	-2,389

**Quinquennial Averages.**—Compared with the averages of the preceding five years, the total number of deaths was less by 2,389 the principal decrease in the mortality being 1,260 under diseases of the Respiratory System, 678 under Infantile Debility and Malformation, 260 under Convulsions, 155 under Diarrhoea and Enteritis, 54 under Ague and Remittent Fever, 27 under Dysentery, 118 under Small-pox, 11 under Measles and 3 under Malarial fever.

**Age at Death.**—The following table classifies the infantile deaths from principal causes in 1942 under different groups, upto one year, namely, under 7 days, 1-4 weeks, 4 weeks to 6 months and 6-12 months.

TABLE OF DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES BY AGE-PERIODS IN 1942.

Age-period.	Small-pox.	Measles.	Malarial fever.	Ague and Remittent fever and fever not defined.	Diarrhoea and Enteritis.	Dysentery.	Infantile Debility and Malformation including premature birth.	Diseases of the Respiratory system.	Convulsions.	All causes.	Percentage of death in age-period to the total deaths under 1 year of age.
Under 7 days	...	...	...	9	18	...	1,368	26	50	1,523	24.7
1 to 4 weeks	2	2	...	8	48	1	787	47	33	988	16.0
Total under 4 weeks	2	2	...	17	66	1	2,155	73	83	2,511	40.7
4 weeks to 6 months	46	16	4	21	172	15	528	761	85	1,781	28.9
6 to 12 months	59	29	5	6	135	29	188	1,155	59	1,872	30.4
Total	107	47	9	44	373	45	2,871	1,989	227	6,164	100.0

Of the total deaths among infants, 1,523 or 24.7 per cent. took place in the first week of life and 988 or 16.0 per cent. in the age period of 1 to 4 weeks. The mortality among infants who had not completed the first month of life was thus 2,511 or 40.7 per cent. of the total infant deaths. The number of deaths in the groups 4 weeks to 6 months and 6 to 12 months was 1,781 and 1,872 being respectively 28.9 and 30.4 per cent.

**Neonatal Death-rate.**

Year.	Births.	Deaths.	Rate.	
1938	...	36,748	3,450	93.9
1939	...	37,822	3,332	88.1
1940	...	38,833	3,049	78.5
1941	...	39,954	3,325	83.2
1942	...	31,536	2,511	79.6

It is satisfactory to note from the table given above that not only the infant death-rate has comedown but the neonatal death-rate which is very difficult to reduce has also fallen gradually since 1938.

TABLE OF PERCENTAGE OF INFANT DEATHS FROM PRINCIPAL CAUSES AT SEVERAL AGE-PERIODS IN 1942.

Age-period.	Small-pox.	Measles.	Malarial fever.	Ague and Remittent fever and fever not defined.	Diarrhoea and Enteritis.	Dysentery.	Infantile Debility and Malformation including premature births.	Diseases of the Respiratory system.	Convulsions.	Other causes.	All causes.
Under 7 days	...	...	...	0.6	1.2	...	89.8	1.7	3.3	3.4	100.0
1 to 4 weeks	0.2	0.2	...	0.8	4.8	0.1	79.7	4.8	3.3	6.1	100.0
4 weeks to 6 months	2.6	0.9	0.2	1.2	9.6	0.9	29.6	42.7	4.8	7.5	100.0
6 to 12 months	3.1	1.5	0.3	0.4	7.2	1.5	10.1	61.7	3.1	11.1	100.0
Total percentage for all ages up to 1 year	1.7	0.8	0.1	0.7	6.0	0.8	46.6	32.3	3.7	7.3	100.0

The salient features of the above table are the magnitude of the role played by debility and prematurity in the causation of deaths in the first 4 weeks of life and the large proportion of deaths from Respiratory diseases during the remaining 11 months of infancy.

**Infant Mortality by Months.**—The sub-joined table shows the number of deaths among infants in each month of the year. For comparison the monthly total number of deaths at ages of 1 year and upwards is also inserted.

Age-period.	NUMBER OF DEATHS												Total.
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Under 1 year ...	673	601	578	405	291	374	584	615	518	563	454	508	6,164
1 year and upwards	2,021	1,884	1,861	1,447	1,247	1,141	1,513	1,634	1,549	1,519	1,525	1,672	19,013

Table No. 13 appended to the Report shows the number of deaths among infants under one year of age by causes in detail and by months.

**Infantile Mortality by Races.**—The following table shows the death-rates among infants of different communities.

INFANT MORTALITY BY CASTE AND INFANTILE DEATH-RATE PER 1,000 OF BIRTHS REGISTERED IN EACH CASTE IN 1942.

Race or Caste.	Deaths under 1 year.	No. of Births registered.	Infant Mortality per 1,000 of births registered.
Hindus, Scheduled classes ...	1,416	5,782	244.9
Hindus, other castes ...	3,092	158,10	195.6
Mussalmans (including Negro Africans) ...	973	5,433	179.1
Parsees ...	79	857	92.2
Jews ...	38	395	96.2
Indian Christians ...	513	2,695	190.3
Anglo-Indians ...	22	170	129.4
Europeans ...	15	274	54.7
Buddhists ...	1	62	16.1
Other and Unknown Castes ...	15	58	258.6
Total ...	6,164	31,536	195.4

#### PREVENTION OF INFANTILE MORTALITY.

The usual maternity and child-welfare work done at the clinics at the five Maternity Homes since 1939 was continued during the year. This work comprises ante-natal, natal, post-natal, infant and pre-school care at home and at clinics. The clinics are held for 2 days in a week for each group. They are conducted by the Medical Officers in charge of the Maternity Homes who are assisted by the Health Visitors attached to them. The Health Visitors are required to visit expectant mothers or mothers and children attending the clinics at their homes to see if they follow the advice given to them, to go in search of expectant mothers and to advise and persuade them to attend the clinics and to avail themselves of the Municipal Maternity Homes or other hospitals in the City for confinement and to conduct maternity cases at homes of those who do not avail themselves of these facilities. Throughout this work the main objectives are kept in mind, namely medical supervision and health education. Attempts are made to lay greater emphasis on the education of the mothers with regard to their own care during pregnancy and that of the children after they are born.

The Health Visitors in their visits to the Districts are also required to trace prospective mothers particularly among the poorer and ignorant classes and to advise and persuade them to attend the ante-natal clinics and subsequently to avail themselves of the facilities existing in the City in the form of free Maternity Homes and Hospitals.

The Health Visitors paid 52,058 visits in various Districts and also attended 288 cases of confinements during the year. In 3,642 cases, personal visits were paid by the Medical Officers in charge of the Maternity Homes.

The following table shows the work done at the Clinics and by the Health Visitors during the year 1942:—

Particulars.	No. of cases.
(1) Number of cases confined by the Health Visitor in the district ...	288
(2) Visits by Health Visitors—	
Ante-natal ... ..	15,126
Natal ... ..	3,185
Post-natal ... ..	14,096
Infant ... ..	19,651
(3) Number of cases visited by the Medical Officers ... ..	3,642
(4) Number of patients registered in the clinics—	
Ante-natal ... ..	10,207
Post-natal ... ..	3,716
Infant ... ..	4,540
Others ... ..	4,784
(5) Total number of cases confined in the Homes ... ..	4,990
(6) Number of cases not registered at the Ante-natal Clinics but confined in the Homes ... ..	1,279

Relief to poor and needy women during confinement in the shape of necessaries and comforts such as milk, bread, blankets, charpoys and linen was continued during the year and dispensed in 95 cases.

**Municipal Maternity Homes.**—There are five Maternity Homes maintained by the Municipality.

The number of women admitted to the Homes and the number of beds in each Home were as follows:—

Maternity Homes.	NUMBER OF CASES ADMITTED.		Number of Beds.
	1942	1941	
Mahomed Haji Saboo Sidik's Maternity Home at Bellasis Road ...	1,774	1,870	37
Kamar Khanum Maternity Home at Victoria Cross Road ...	1,171	1,210	50
Mahomed Haji Saboo Sidik's Maternity Home at Imamwada ...	1,037	1,145	19
Mahomed Haji Saboo Sidik's Maternity Home at Worli ...	1,061	1,196	24
Sorabji Shapurji Engineer's Maternity Home at Khetwady ...	739	1,088	12
Total ...	5,782	6,509	142

The total number of women admitted during the year was 5,782 as against 6,509 in 1941. The number of cases confined in the Homes was 4,990 as against 5,872 in 1941. Of the women confined 1,046 were primiparae.

Out of 33,545 births (including 2,009 still births) registered in the City in 1942 (25,426) or 75.8 per cent., took place in Maternity Homes, as against 81.6 in 1941. Although the tendency of the people to avail themselves of the Maternity Institutions is steadily increasing, the percentage of births that took place in such institutions was lower during the year on account of many of these institutions having been closed down owing to the temporary evacuation of the City by a large section of the population.

#### MEASURES FOR THE REDUCTION OF INFANT MORTALITY.

In the annual reports, since the year 1920, it has been repeatedly stated that the percentage of deaths among infants under one year of age to the total mortality has been higher than in the case of any other age-group. A Scheme suggesting ways and means, to reduce the infant mortality was submitted to the Corporation in 1939.

**Maternal Mortality.**—The following table gives the classification of causes of death in puerperal state in 1942 as required under Corporation Resolution No. 10544 dated the 30th March 1931:—

No.	Specific causes of Death.	No. of Deaths.
<i>Diseases of Puerperal State.</i>		
1	Ante-partum Haemorrhage ... ..	7
2	Post-partum Haemorrhage ... ..	20
3	Toxaemias ( <i>Eclampsia, Hyperemesis Gravidarum Acute Yellow Atrophy Albuminuria</i> ) ... ..	17
4	Puerperal Sepsis ( <i>Sapraemia, Septicaemia, Phlegmasia Alba Dolens Coli Infection, etc.</i> ) ... ..	23
5	Embolism ... ..	2
6	Shock during or immediately after delivery ... ..	15
7	Anaemia of Pregnancy ... ..	9
8	Malaria ... ..	...
9	Influenza, Pneumonia ... ..	...
10	T.B. ... ..	...
11	Heart Disease ... ..	...
12	Operative Interference ... ..	2
13	Ruptured Uterus ... ..	3
14	Breast Diseases ... ..	...
15	Puerperal Insanity ... ..	1
16	Other Causes ... ..	23
Total ...		122

The attached chart "E" in the case will be of interest.

#### METEOROLOGY OF 1942.

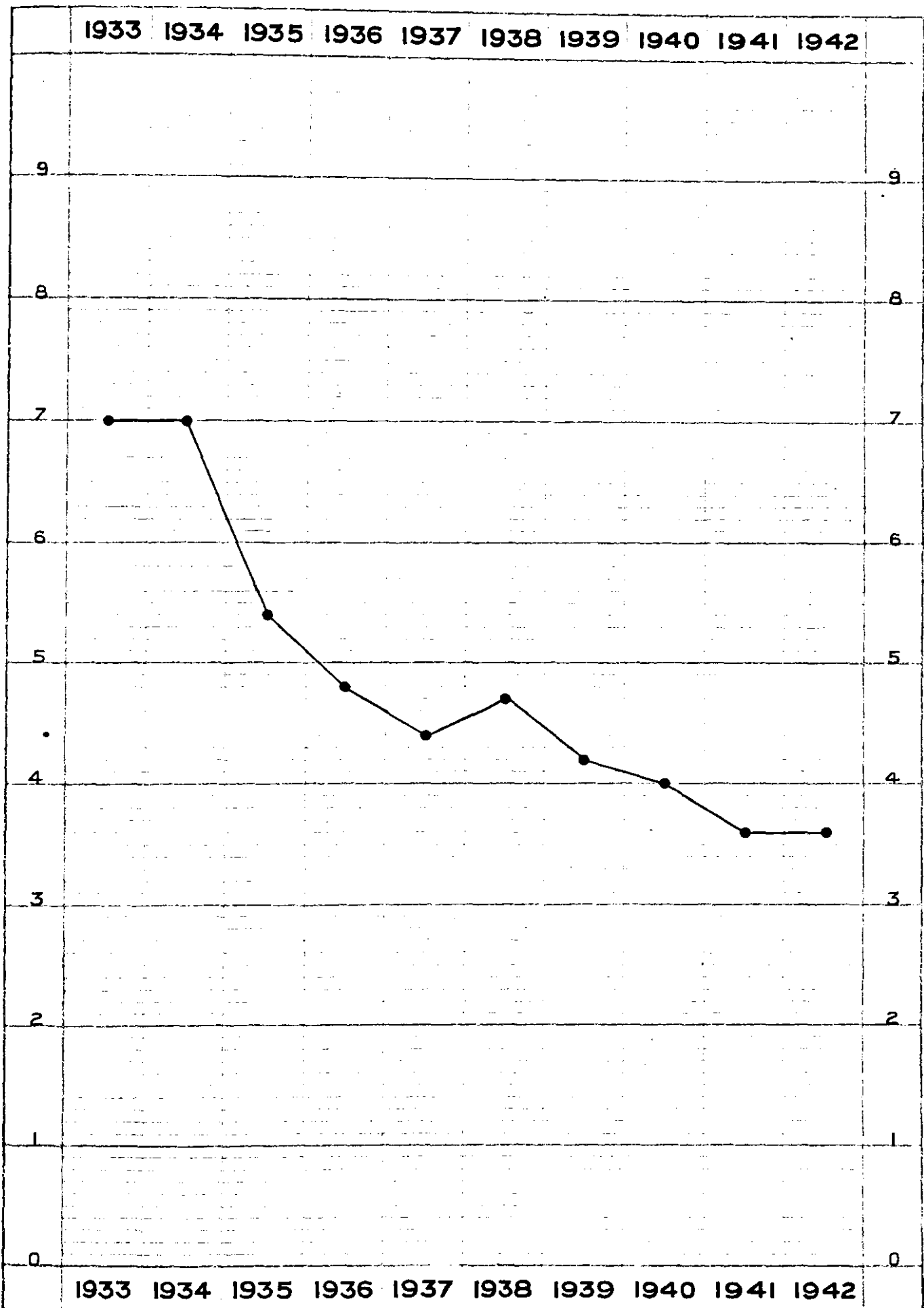
Table No. 17 appended to the Report gives the meteorological data of 1942.

**Rainfall.**—The total rainfall recorded at the Colaba Observatory during the year 1942 was 81.73 against 35.81 in 1941 and 97.58 in 1940 and was more than normal by (11.38). Rain fell on 96 days during the year against 81 days in 1941 and 106 in 1940.

The maximum monthly rainfall was 32.36 inches in July against 14.03 inches in July 1941.

# E DIAGRAM

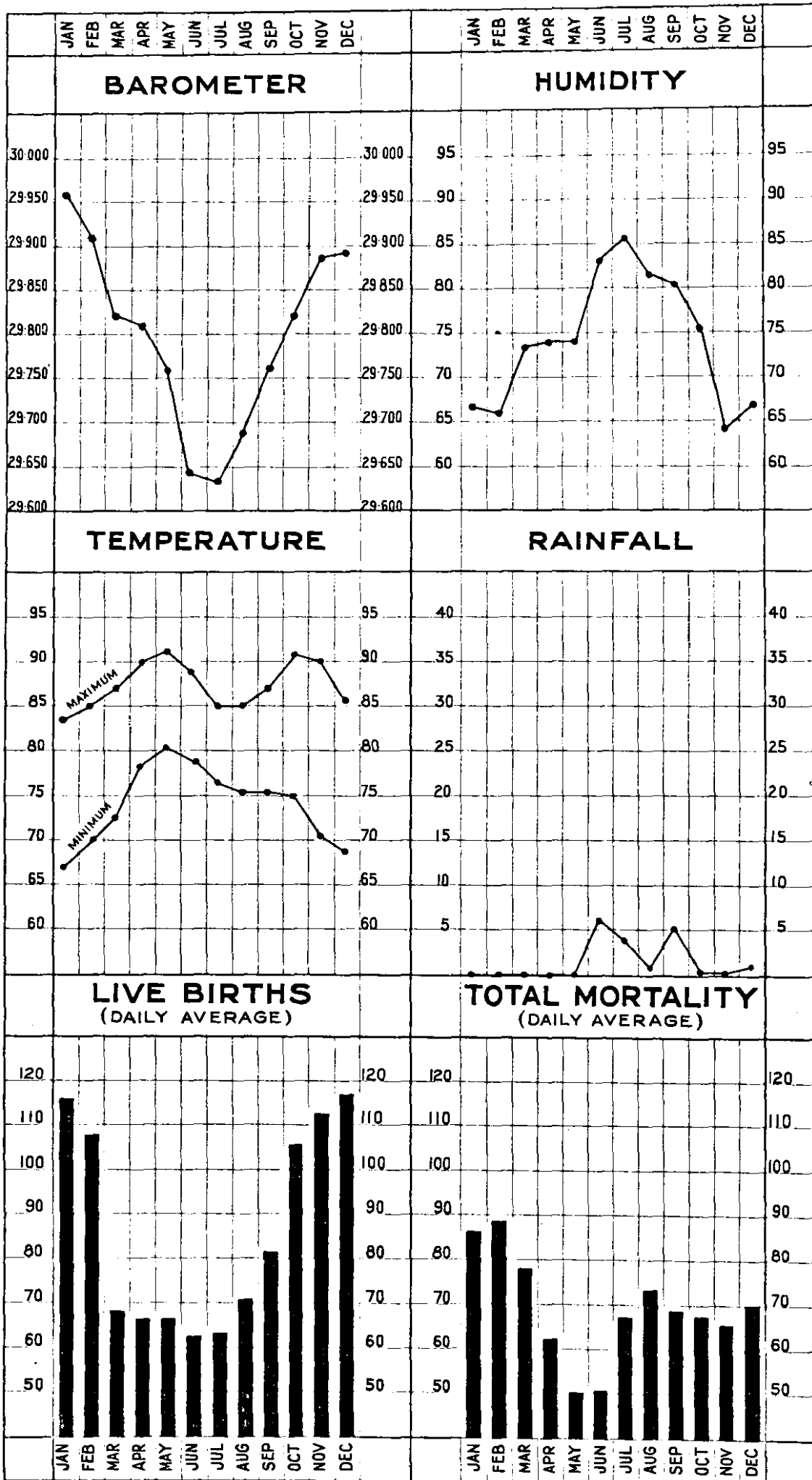
## RATE OF MATERNAL DEATHS PER 1000 OF BIRTHS 1933 - 1942



MATERNAL DEATHS	234	251	197	184	165	186	169	166	152	122
BIRTHS	33264	36089	36757	38334	37795	39313	40548	41485	42608	33545
RATE	7.0	7.0	5.4	4.8	4.4	4.7	4.2	4.0	3.6	3.6

# F DIAGRAM

## DAILY MEAN BIRTHS, DEATHS AND CLIMATIC CONDITIONS IN BOMBAY IN 1942



### EPIDEMIC AND OTHER DISEASES.

**Notification of Infectious Diseases.**—Under the existing provisions of the Municipal Act, Medical Practitioners are required to report to the Health Authorities cases of Infectious diseases noticed or treated by them. The total number of infectious diseases reported during the year was 4,808 as against 5,872, in 1941. Of these 4,596 or 95.6 were reported by the District Registrars and 212 or 4.4 by the Medical Practitioners. No cases were notified by Hakims and Vaidyas.

The diseases, to which the notifications received related, are set out by Section in Table No. 4 (Appendix).

Year.	Number of notifications received from			Total No. of cases registered.	Percentage of total notifications to the total No. of cases registered.
	Medical Practitioners.	Hakims and Vaidyas.	Total.		
1941	398	...	398	5,872	6.8
1942	212	...	212	4,808	4.4

**Plague.**—Plague was absent during the year except for one case in which a labourer of the Haffkine Institute accidentally broke a tube of live culture and got the infection. The case was cured.

**Anti Plague Measures.**—The usual preventive and precautionary measures, namely (i) Inoculation, and (ii) Rat Destruction, were continued during the year.

(i) **INOCULATION.**—During the year 4 inoculations against plague were performed at the Haffkine Institute. These were among people who had to visit plague stricken districts outside the City limits.

(ii) **RAT DESTRUCTION.**—The total number of rats collected and destroyed during the year was 6,26,756 against 6,55,645 in 1941. It will be seen from the following statement that of the 6,26,756 rats collected and sent to the Haffkine Institute, 2,23,000 were examined and no rat was found infected. The last date on which an infected rat was detected in the City was 11th October 1934.

STATEMENT SHOWING THE NUMBER OF RATS SENT TO THE HAFFKINE INSTITUTE, THE NUMBER EXAMINED AND THE NUMBER FOUND INFECTED IN 1942.

Months.	Number of Rats sent to the Haffkine Institute.	Number of Rats Examined. Total.	Number of Rats found Infected.	Ratio Per Cent.
January	67,370	21,202	Nil.	Nil.
February	53,571	18,556		
March	58,602	19,207		
April	50,296	18,006		
May	44,451	17,334		
June	45,123	17,292		
July	42,588	16,007		
August	40,911	15,785		
September	45,851	16,661		
October	60,052	22,069		
November	55,843	19,415		
December	62,098	21,466		
Total	6,26,756	2,23,000	...	...

### SUSCEPTIBILITY OF HOUSE RATS.

During the year 1942 observations on the susceptibility of City rats to plague infection were continued. 195 *Rattus Rattus* were given the standard plague infective dose and 15.5 per cent., died of the infection. In this case as well as in the case of the small field rat (*Gunomyskok*) the susceptibility has remained the same as in 1941.

**Small-pox.**—A study of the incidence of smallpox during the previous ten years showed that the disease generally made its appearance about the month of November and gradually developed into an epidemic form, the peak being reached in the month of February or March. The fatality rate during these years appeared to be high enough and out of the total number of deaths a considerable number had occurred at home. These deaths at home occurred amongst the concealed cases and were responsible for the disease keeping on raging for a long time. With a view to removing the sources of infection it was considered desirable to start a campaign for the removal of hidden cases to the City Isolation Hospital and also for contact and mass vaccination. Room to room inspection of the buildings in the infected localities was therefore made by diverting the whole of the Sanitary staff and the combing out operations were so very successful that the City could be soon declared to be free from the epidemic and there were hardly any cases reported during the subsequent six months unlike previous years, when the disease kept on smouldering for months. The concealed cases, which otherwise would have remained undetected, having thus been removed to hospital, received proper care and resulted in saving many precious lives. The subjoined Table giving the small-pox attacks and deaths by months, death-rate, fatality rate and the epidemic periods from 1932 to 1942 will show that the death-rate from small-pox during the year was lowest as compared with that for the previous epidemic years, the fatality rate was lowest and the duration of the epidemic shortest during the year.

## STATEMENT SHOWING SMALL-POX ATTACKS AND DEATHS BY MONTHS FROM 1932 TO 1942.

Year Month.	1932		1933		1934		1935		1936		1937		1938		1939		1940		1941		1942	
	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.	A.	D.
January ...	9	6	692	394	43	16	127	71	110	64	29	16	678	356	15	9	115	43	345	171	166	70
February ...	12	4	1,484	889	48	22	221	118	238	139	50	30	965	549	20	15	184	78	646	317	257	141
March ...	32	17	1,376	775	51	28	412	263	308	190	80	62	903	509	60	25	235	106	581	323	603	220
April ...	30	17	542	328	42	29	465	278	336	228	152	79	403	248	50	19	390	182	308	189	338	116
May ...	39	18	229	168	29	13	300	203	194	131	133	90	167	116	48	25	276	148	199	140	57	33
June ...	22	15	73	59	10	8	195	140	101	71	115	81	53	38	44	26	172	103	108	64	14	4
July ...	37	26	24	17	6	3	112	70	58	35	90	59	36	30	40	29	95	61	30	25	6	2
August ...	47	27	14	8	5	4	55	40	28	21	46	32	13	12	29	19	29	17	30	21	3	2
September ...	25	20	...	...	13	7	25	15	17	14	54	24	8	2	7	1	22	10	14	8	...	...
October ...	29	21	4	4	9	5	12	6	11	6	34	20	5	1	6	5	32	18	15	7	3	...
November ...	51	20	6	6	5	3	19	11	3	3	89	39	...	...	12	8	65	19	<	10	2	...
December ...	211	122	19	11	22	14	34	24	7	4	325	156	2	1	37	20	115	54	35	18	5	3
TOTAL ...	544	313	4,463	2,659	283	152	1,977	1,148	1,411	906	1,197	688	3,233	1,862	368	201	1,730	834	2,325	1,293	1,454	591
Death Rate ...	0.2		2.3		0.1		1.1		0.8		0.6		1.6		0.2		0.7		0.8		0.4	
Fatality Rate ...	57.5		59.6		53.7		63.1		64.2		57.5		57.6		54.6		48.2		55.6		40.6	
Epidemic period ...	From 17.12-32 To 3-6-33 5 months & 18 days				Sporadic		From 2-2-35 to 6-7-35 5 months & 4 days.		From 22-2-36 to 6-6-36 3 months & 16 days.		From 19-12-37 to 14-5-38 4 months & 26 days.		Sporadic		From 31-3-40 to 15-6-40 2 months & 16 days		From 19-1-41 to 17-5-41 3 months & 29 days.		From 8-3-42 to 18-4-42 1 month & 11 days.			

Appeals were issued to employers of large labour or other workers offering vaccination at the places of work early in the month of October and the work of vaccination for the next small-pox season was started with the permanent staff helped by a temporary staff of 3 Vaccinators, 4 Karkoons and 4 coolies instead of waiting unlike previous years for small-pox to make its appearance and it is gratifying to note that the incidence kept low during the season.

The number of primary vaccinations done during the year was 31,282 against 35,955 in 1941 and that of re-vaccinations 1,42,836 as against 2,39,210 in 1941. 107 deaths from Small-pox occurred among children under one year of age during the year. Of these, 94 were not vaccinated while 10 were presumably vaccinated during incubation period and the vaccinal condition of 3 was not known.

**Cholera.**—Cholera was absent during the year.

**Influenza.**—Influenza was recorded as the cause of 29 deaths during the year, as against 44 in 1941 and 68 the average for the preceding decennium (1932-41).

**Enteric Fever.**—The following table shows the number of cases of Enteric Fever registered in each month during the year. The number of deaths from this cause is shown in Table No. 10 by Sections and in Table No. 12 (Appendix) by months:—

Disease.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Enteric fever ...	48	22	44	57	65	79	105	142	144	128	99	85	1,018

Out of 1,018 total cases, 253 were imported. The total number of deaths was 375, as against 554 in 1941. Comparison with number of deaths from the disease for the last ten years is shown in Table No. 11 (Appendix).

The incidence of Typhoid in the City and the measures to combat the same have been the subject of discussion in the Corporation itself and between Government and the Municipal Executive since the year 1938. It was believed that the incidence was on the increase during recent years, but such a statement has to be accepted with great caution.

A close study of the figures of deaths from all kinds of fevers and their percentage to the total mortality since the year 1932 given below shows that with the increase in deaths from Typhoid there has been a substantial decrease in the number of deaths from Ague and Remittent Fever.

## STATEMENT SHOWING TOTAL MORTALITY FROM ALL KINDS OF FEVER AND THE PERCENTAGE OF THE LATTER TO THE FORMER FROM 1932 TO 1942.

Years. (1)	Total mortality. (2)	Enteric. (3)	Malaria. (4)	Ague and Remittent fever. (5)	Total of 3, 4, and 5. (6)	Percentage. (7)
1932 ...	22,856	185	76	1,217	1,478	6.5
1933 ...	27,174	241	71	1,192	1,504	5.5
1934 ...	27,370	240	101	1,397	1,738	5.0
1935 ...	29,289	232	97	1,389	1,718	5.9
1936 ...	29,934	292	91	1,332	1,715	5.7
1937 ...	30,768	344	73	1,298	1,705	5.5
1938 ...	35,999	507	103	1,065	1,575	4.4
1939 ...	30,520	249	171	761	1,181	3.9
1940 ...	29,100	399	98	732	1,229	4.2
1941 ...	31,096	554	88	668	1,310	4.2
1942 ...	25,177	375	109	400	884	3.5



The large number of cases of Typhoid reported since 1938 may not necessarily be due to increased incidence of the disease but perhaps with better notification there was increased knowledge of cases of Typhoid occurring in the City which were formerly attributed to other fevers for want of proper medical treatment or for want of proper diagnosis. This was due to the medical practitioners having cooperated in notifying the cases for about two years since 1938 and the facilities given to them by Government in taking and examining blood samples through the doctor from the Haffkine Institute. The notification by Medical Practitioners has since slackened and this is probably due to Government having withdrawn the facility of sending a doctor to take blood samples, although a few samples sent by the Medical Practitioners are still examined at the Haffkine Institute.

In preventing the spread of the disease, the action taken by this and the other Departments of the Municipality was by no means less important particularly with regard to conversion of privies into water closets on full flushing system, covering of open drains, provision of sanitary bins in all houses, house to house collection of refuse, reduction of refuse sheds, regular examination and chlorination of water, stricter control over food handling establishments, disinfection of houses and clothing of the patients and prophylactic inoculation of the contacts.

The following table shows the total number of attacks and deaths from Enteric Fever, fatality-rate, death-rate, number of cases admitted to hospitals, number of cases notified by the Medical Practitioners and number of inoculations done since 1938:—

	1938.	1939.	1940.	1941.	1942.
Attacks ... ..	1,168	723	904	1,123	1,018
Deaths ... ..	507	249	399	554	375
Fatality rate ... ..	43.4	34.4	44.1	49.3	36.8
Death-rate ... ..	0.4	0.2	0.3	0.4	0.2
Hospitalization ... ..	...	...	517	765	841
Cases notified by Medical Practitioners	419	174	199	234	126
Inoculations ... ..	17,538	937	1,040	11,032	14,470

It will be seen from the above statement that the measures taken were successful to a great extent and that the position on the whole with regard to the incidence of Typhoid was in no way worse than in any year since 1938.

**Diphtheria.**—The following table shows the number of cases of Diphtheria registered each month during the year. The number of deaths from this cause is shown in Table No. 10 by Sections and in Table No. 12 (Appendix) by months:—

Disease.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Diphtheria ...	33	37	32	19	12	15	22	34	35	20	25	32	316

**Leprosy.**—For the detection of early cases of Leprosy and for treating such cases, diagnostic centres have been started in the Municipal Charitable Dispensaries under the control of the Health Department. The Medical Assistants in charge of these dispensaries who have already been trained in the treatment of Leprosy are doing this work. With a view to securing better facilities for this work and correct diagnosis of the disease, arrangements have been made with the Superintendent, Acworth Leper Home, Matunga, for his personal examination of Leprosy cases by visiting the different dispensaries where treatment is given to such cases. The total number of these cases treated in the different dispensaries during the year was 38.

**Cerebro-Spinal Meningitis.**—Cases of Cerebro-Spinal Meningitis reported during the year numbered 63 including 16 imported, as against 65 in 1941 and the total number of deaths from the same was 29 during the year, as against 35 in 1941.

In order to check the spread of the disease; measures such as isolation of the patients, disinfection of the infected places and prophylactic inoculation of the contacts with anti-meningococcal vaccine supplied by the Haffkine Institute were taken. During the year, 55 cases were treated in the Arthur Road Hospital. Out of them 21 proved fatal, 30 were discharged as cured and 4 continued as inpatients in the next year.

## TUBERCULOSIS.

**Number of Deaths and Death rate.**—The total number of deaths from Tuberculosis during the year was 1,581. The death-rate from Tuberculosis was 1.0, per 1,000 of the population. The annual death-rates in the previous year have been as follows. (For comparison, the decennial and quinquennial average rates have also been stated.)

Period.	ANNUAL DEATH-RATE FROM TUBERCULOSIS.		
	Pulmonary.	Other Forms.	All Forms.
1932-41 ... ..	1.3	0.2	1.5
1937-41 ... ..	1.3	0.3	1.6
1941 ... ..	0.9	0.2	1.1
1942 ... ..	0.9	0.1	1.0

## CLASSIFICATION ACCORDING TO SEX AND TYPE OF DISEASE.

Year.	Pulmonary T. B.	T. B. other parts.	Total number of Deaths.	Males.	Females.
1941 ... ..	1,362	330	1,692	950	742
1942 ... ..	1,306	275	1,581	954	627

**Morbidity.**—The Morbidity in tuberculosis is calculated as ten times more than the mortality. Calculating on this basis, there were probably 15,810 say 16,000 persons suffering from tuberculosis during the year under report. The tragic mortality and morbidity figures emphasize the necessity of an intensive antituberculosis campaign in all its aspects and an extension of the facilities now available.

In response to the various resolutions tabled in the Corporation during the year on Tuberculosis and means to combat the disease, a complete scheme has been submitted in the Executive Health Officer's letter No. H/6693 of 7-10-40; and the Municipal Commissioner's letter No. H/6693 of 22-11-40. The proposed scheme is still under the consideration of the Medical Relief and Public Health Committee.

The Ramesh Premchand Tuberculosis Hospital at Sewri was completed in 1941 but the transfer of the Maratha Hospital there was held over, as the necessary equipment could not be obtained owing to war conditions.

### MUNICIPAL ANTI-TUBERCULOSIS MEASURES.

The Municipal anti-tuberculosis campaign is under the control of the Public Health Department. There are 3 T. B. Clinics for out-door patients, a sanatorium for early cases and a Hospital for advanced cases.

#### T. B. CLINICS.

**Staff.**—The staff at each clinic consists of a qualified Tuberculosis Officer, a fully trained nurse, a compounder, a peon and a full-time sweeper. The X-Ray department at the Princess Street clinic has in addition an Honorary Radiologist, a full time developer and an X-Ray attendant.

**Attendance.**—General Medical Practitioners, Medical Officers in charge of the ordinary Municipal dispensaries, School Medical Officers and Medical Officers in charge of Railways, Mills, Port Trust and Factories refer their T. B. and suspicious T. B. cases to the clinics. A good number of patients approach direct of their own accord, for advice and treatment.

#### PROPAGANDA.

**Leaflets.**—There are printed leaflets in English, Gujarati, Marathi and Urdu emphasizing the dangers of Tuberculous infection and advocating various measures for its prevention. These leaflets are distributed amongst the patients and their relatives.

**Lectures and Exhibition.**—During Health Exhibitions, the Bombay Sanitary Association arranges for a Tuberculosis stall in co-operation with the Municipal Tuberculosis Department. Opportunity is taken of such exhibitions to distribute propaganda leaflets and to impress upon the public the value of preventive measures against tuberculosis. During the year 1942, the Health Visitor appointed by the Bombay Sanitary Association gave 10 lectures on Tuberculosis at different centres in the City with the aid of magic lantern slides. Out of these 3 were given in municipal schools and 7 in chawls.

**Museum.**—At the Tuberculosis clinic at Princess Street, a T. B. Museum is fitted up for the benefit of the public. It contains a number of wall posters illustrating the incidence and dangers of tuberculosis and emphasizing the methods of prevention.

**Domiciliary Visits.**—In addition to her duties at the clinic, each nurse visits the homes of patients attending the clinic and also of the notified cases. During her domiciliary visits, the nurse distributes printed propaganda leaflets and advises patients and their relations about ventilation, diet, clothing and general sanitation. In addition to the first visit, the nurse re-visits the same houses from time to time throughout the year, to keep up the continuity of the campaign. A special diary is prepared by each nurse describing the number of houses visited and re-visited, the progress of the patient and the advice given to the patient and the family.

**Investigation of Patients.**—The Diagnosis at the clinic is made on clinical, bacteriological and radiographic findings. There is a well-equipped X-Ray installation at the clinic at Princess Street. Patients from the T. B. Clinics, the Turner Sanatorium and the Maratha Hospital are referred to this clinic for radiography and screening. After a careful diagnosis at the clinic, patients are directed to suitable institutions for treatment. Early cases are admitted to the Turner Sanatorium according to the accommodation available and advanced cases to the Maratha Hospital. Patients who are not able to take institutional treatment as in-patients are kept under observation and chronic cases discharged from Hospitals and Sanatoria receive symptomatic treatment at the clinics. The sputum examination of specimens referred by Medical Practitioners is undertaken free of charge at the Municipal Laboratory.

**Investigation of Contacts.**—The investigation of contacts is one of the most important functions of the clinic. Usually when the patient visits the clinic, he is accompanied by a few of his relations. Advantage is taken of their presence and careful investigation is made to find out the positive contacts. The remaining members who are in close association with the patient, are advised by the nurse to appear at the clinic for investigation. Suspicious contacts from sputum-positive cases are screened at the X-Ray Department at Princess Street.

Summary of work done at the clinics during the year 1942.

Total number of new admissions suffering from Tuberculosis was 5,117.

(a) Pulmonary T. B. ... 4,800 ... 93.8 per cent.

(b) Non-Pulmonary T. B. ... 317 ... 6.2 per cent.

Analysis according to Caste and Sex :—

Castes.					Males.	Females.
Hindus	...	...	...	...	1,843	873
Mahomedans	...	...	...	...	962	762
Parsees	...	...	...	...	39	20
Christians	...	...	...	...	385	182
Jews	...	...	...	...	819	32
Total					3,248	1,869

Distribution according to age :—

Upto the age of	10	15	20	25	30	35	40	45	50 & upwards.	Total.
T. B. Cases ... ..	247	286	900	1,152	1,009	514	453	226	330	5,117

Total number of sputa examined ... .. 1,767  
 Total number of contacts investigated ... .. 2,781  
 Total number of Domiciliary visits ... .. 5,456  
 Total number of attendances ... .. 32,221

X-RAY DEPARTMENT, PRINCESS STREET.

Total number of Radiograms taken ... .. 597  
 Total number of Screenings done ... .. 8,762

**TURNER SANATORIUM.**

**Accommodation.**—The Turner Sanatorium, situated at Bhoiwada Hill, Parel, has an accommodation of 80 beds (40 for males and 40 for females.)

WORK DONE AT THE TURNER SANATORIUM DURING THE YEAR 1942.

I No. of patients at the end of last year.	II NUMBER OF PATIENTS ADMITTED		III SUFFERING FROM TUBERCULOSIS OF.		IV Total admitted.	V Discharged.	VI Died.	VII Remain- ing on the last day of the year 1942.	VIII CLASSIFICATION OF 342 CASES DISCHARGED				
	Males.	Females.	Lungs.	Other parts.					1st stage (conges- tion).	2nd stage (consoli- dation).	3rd stage (cavita- tion).	T. B. abdomen.	T. B. spine.
66	189	166	327	28	355	341	1	79	133	176	...	32	1

**Result of the Treatment :—**

Improved	...	...	...	...	...	...	...	...	...	260
Not improved	...	...	...	...	...	...	...	...	...	64
Died	...	...	...	...	...	...	...	...	...	1
In <i>status quo</i>	...	...	...	...	...	...	...	...	...	17
Total									...	342

Improvement in 76 per cent. of cases.

Artificial Pneumothorax was induced in 79 cases.

Total number of refills was 551.

Phrenic evulsion was performed on 25 cases.

Detailed analysis of 342 discharged patients.

## CLASSIFICATION ACCORDING TO CASTE AND SEX

Hindus.		Mohamedan.		Christian.		Other Caste.		Grand Total.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
106	71	54	62	23	18	5	3	342

## DISFRIBUTION ACCORDING TO AGE

Upto the age of.	10	15	20	25	30	35	40	45	50 & upwards.	Grand Total.	
No. of patients	...	2	16	67	101	88	30	21	8	9	342

The heaviest incidence of disease was between 15 and 30 years of age.

Effect of Treatment on :—

- (1) Sputum ... 221 were discharged as sputum negative.
- (2) Weight ... 302 gained weight.
- (3) Temperature ... 260 were discharged as free from fever.

## NO. OF SPECIMENS EXAMINED IN THE LABORATORY.

Serial No.	Particulars.	Total No. of Specimens.	Grand Total.
1	Sputum ... ..	708	} 926
2	Urine ... ..	60	
3	Blood ... ..	109	
4	Stool ... ..	49	

### HOSPITAL AND ADVANCED CASES.

Advanced cases of tuberculosis were admitted to the Maratha Hospital. A separate report on the working of this institution is given by the Medical Superintendent in charge of the Hospital on page 33 of this Report.

It may however be added here that in view of the increasing need for having still more beds for Tuberculosis patients, it is highly desirable to consider the question of retaining the Maratha Hospital in addition to the new hospital.

The average total annual expenditure incurred at present in connection with all the existing Municipal Tuberculosis Institutions is Rs. 1,78,898-9-6.

### MALARIA.

Malaria was registered as the cause of 109 deaths. 400 deaths were registered as due to Ague and Remittent Fevers. A considerable proportion of the number under the last two heads probably represents cases of wrong diagnosis or diagnosis based on insufficient or incorrect data.

**Average number of deaths.**—The number of deaths from Malaria and from Ague Remittent Fevers in 1942 was 109 and 400 and the annual averages in the ten years 1932 to 1941 as shown in Table No. 11 were 97 and 1,105 respectively.

Out of the total number of deaths due to Malaria—

30 were certified by Medical Practitioners.

74 were certified by Hospitals.

4 were certified by the Commissioner of Police.

1 was certified by Vaidya.

Inspection of houses for detection of breeding places and destruction of larvae wherever found were carried on, on a systematic plan. The wards of the City have been sub-divided into 85 areas and each overseer is given an area that could be covered within a week. Breeding places detected were immediately dealt with. Minor structural and other defects likely to result in the breeding of mosquitoes were remedied by the staff and action was taken against owners only when the works required were extensive and costly or the defects recurred frequently.

**Quinine and Cinchona.**—For the treatment of patients attending the Municipal dispensaries, Municipal Maternity and Infectious Diseases Hospitals, 53½ lbs. of quinine and 11½ lbs. of cinchona febrifuge were used during the year. 15,346 III and IV grain tablets of Quinine Sulphate and 24,600 IV grain tablets of cinchona febrifuge were also distributed.

Statement showing the quantities and cost of disinfectants etc., used during the year :—

						Rs.	a.	p.
(1) Pesterine (Oil furnace)	...	...	...	...	16,067 Gallons	3,635	2	6
(2) Oil Kerosene 125° (inferior quality)	...	...	...	...	12,451 do.	12,353	12	6
(3) Lysotol	...	...	...	...	240 do.	930	0	0
(4) Paris Green Powder	...	...	...	...	84 lbs.	82	8	0
(5) Tropical Chloride of Lime	...	...	164 Cwts.	2 Qrs.	11 lbs.	2,407	4	0
Total						...	19,408	11 0

Statement showing by wards the total number of wells, cisterns, etc., which were found breeding Anopheles mosquitoes during the year 1942 :—

Breeding noticed in.	WARDS.							Total.	
	A	B	C	D	E	F	G		
Cisterns, Overhead tanks, cooling tanks	2	...	1	5	6	...	...	14	
Wells	7	5	8	12	43	19	117	211	
Masonry tanks	8	...	...	4	10	7	13	42	
Static tanks	7	...	...	8	66	9	19	109	
Mill tanks	...	...	...	...	7	1	...	8	
Fountains, Cattle troughs	2	...	...	7	4	...	3	16	
Machinery parts	...	...	...	...	3	...	...	3	
Open channels	...	...	...	8	4	13	1	26	
Pools, Depressions, Ruts, Pits, Ditches etc.	33	7	2	53	50	42	39	226	
Pools, Puddles	7	...	...	1	1	14	...	23	
Wooden tubs	...	...	...	2	5	...	...	7	
Odd receptacles, buckets, barrels, drums, jars, etc.	9	...	1	3	11	1	1	26	
Roof gutters	1	...	...	...	1	2	...	4	
Quarry holes	...	...	...	...	...	4	...	4	
Storm water entrances	...	...	...	2	1	...	...	3	
Low lands, grass plots	...	...	...	...	...	19	2	21	
Tanks, Talao, Reservoirs	...	...	...	...	...	3	...	3	
See pages	...	...	...	2	...	...	...	2	
Boats	2	...	...	...	...	...	...	2	
Total									
	78	12	12	107	212	134	195	750	

Statement showing by wards the number of wells, cisterns, etc., where Anopheles Stephensi were found breeding during the year 1942 :—

Containers.	WARDS.							Total.
	A	B	C	D	E	F	G	
Cisterns, Overhead tanks, cooling tanks	1	...	...	4	5	...	...	10
Wells	3	...	3	5	26	...	...	37
Masonry tanks	1	...	...	1	8	1	...	11
Static tanks	...	...	...	2	17	1	...	20
Mill tanks	...	...	...	...	1	...	...	1
Fountains, cattle troughs	...	...	...	2	2	...	...	4
Machinery parts	...	...	...	...	2	...	...	2
Open channels	...	...	...	3	...	...	...	3
Pools, depressions, ruts pits ditches etc.	6	...	2	16	13	...	...	37
Ponds and Puddles	...	...	...	...	...	2	...	2
Wooden tubs	...	...	...	2	5	...	...	7
Odd receptacles buckets, barrels, drums, jars etc.	2	...	...	1	6	...	...	9
Roof gutters	1	...	...	...	1	...	...	2
Storm water entrances	...	...	...	2	1	...	...	3
See pages	...	...	...	1	...	...	...	1
Total								
	14	...	5	39	87	4	...	149

*Spleen rate:*

Out of 1,595 children of the poorer classes examined for enlargement of spleen in dwelling houses 11 were found to have enlarged spleen. The spleen rate for the wards mentioned was 0.6. Details by sections are as given below :—

Ward.	Sections.	No. of children examined	No. of children found with enlarged spleen	Percentage.
A	Esplanade	112	...	...
B	Mandvi	105	...	...
..	Umerkhadhi	120	1	0.8
C	Dhobi Talao	100	...	...
D	Mahalaxmi	120	2	1.6
E	Tardeo	205	3	1.4
F	Parel	232	2	0.8
G	Worli	244	...	...
G	Mahim	357	3	0.8
	Total	1,595	11	0.6

The following table shows the number of children with enlarged spleen and their percentage found by the School Medical Inspection staff during the medical examination of children in Municipal Schools :—

Ward.	Section.	No. of pupils examined.	No. of pupils found with enlarged spleen.	Percentage.
A	Colaba	101	1	.9
	Fort North	69	...	...
	Esplanade	30	...	...
B	Mandvi	598	2	.3
	Chuckla	354	2	.5
	Umerkhadhi	294	...	...
C	Dongri	1,382	11	.7
	Market	143	1	.6
	Dhobitalao	916	5	.5
D	Fanaswadi	666	4	.6
	Bhuleshwar	908	5	.5
	Khetwadi	751	7	.9
E	Chowpaty	264	2	.7
	Mahalaxmi	1,171	21	1.7
	Walkeshwar	166	2	1.2
F	Girgaum	1,429	1	.06
	2nd Nagpada	454	1	.2
	Mazagaon	832	2	.2
G	Kamathipura	1,076	4	.3
	Byculla	1,219	11	.9
	Tarwadi	76	...	...
H	Tardeo	176	1	.5
	1st Nagpada	130	1	.7
	Parel	1,922	19	.9
I	Sewri	187	...	...
	Sion	636	1	.1
	Mahim	4,017	18	.4
J	Worli	826	12	1.4
	Total	20,793	134	0.6

**Blood Slides:**—Out of 2036 slides taken by the Medical Officers in charge of Municipal Dispensaries and examined in the Municipal Laboratory during the year 1942, 355 were found positive for Malaria.

**Municipal Dispensaries:**—The number of cases of Malaria treated month by month at the Municipal Dispensaries during 1942 is shown in the following table. In the preceding year the number of patients treated was 1698.

Jan.	Feb.	Mar.	Aprl.	May.	June.	July.	Augst.	Sept.	Oct.	Nov.	Dec.	Total.
128	116	104	85	90	132	248	335	251	279	240	207	2215

Statement showing the total number of wells in the City and their condition on 1st January 1943 :—

Ward.	Section.	Total No. of wells in the City.	No. of wells open or partially open.			No. of wells H. C. C. with or without pump.		
			Total No.	Open	T. D.	Total No.	With pump.	Without pump.
A	Upper Colaba ... ..	4	2	1	1	2	...	2
	Middle and Lower Colaba ... ..	28	2	1	1	26	3	23
	Fort, Southern ... ..	16	...	...	...	16	1	15
	Fort, Northern ... ..	267	22	20	2	245	14	231
	Esplanade ... ..	48	4	4	...	44	7	37
	Total ...	363	30	26	4	333	25	308
B	Mandvi ... ..	53	7	5	2	46	8	38
	Chakla ... ..	25	6	4	2	19	4	15
	Umarkhadi ... ..	17	8	2	6	9	...	9
	Dongri ... ..	4	...	...	...	4	1	3
	Total ...	99	21	11	10	78	13	65
C	Market ... ..	156	33	7	26	123	51	72
	Dhobitalao ... ..	258	59	15	44	199	47	152
	Fanaswadi ... ..	144	25	12	13	119	37	82
	Bhuleshwar ... ..	95	31	14	17	64	24	40
	Kharatalao ... ..	14	2	2	...	12	4	8
	Total ...	667	150	50	100	517	163	354
D	Khetwadi ... ..	113	17	8	9	96	14	82
	Girgaon ... ..	121	19	8	11	102	14	88
	Chowpatty ... ..	45	10	1	9	35	11	24
	Walkeshwar ... ..	89	27	15	12	62	22	40
	Mahalaxmi ... ..	75	24	10	14	51	20	31
	Total ...	443	97	42	55	346	81	265
E	Mazagaon ... ..	52	3	2	1	49	13	36
	Tarwadi ... ..	56	14	4	10	42	20	22
	2nd Nagpada ... ..	3	1	...	1	2	...	2
	Kamathipura ... ..	20	4	3	1	16	5	11
	Tardeo ... ..	23	1	1	...	22	6	16
	1st Nagpada ... ..	2	...	...	...	2	...	2
	Total ...	156	23	10	13	133	44	89
F	Parel ... ..	56	21	13	8	35	16	19
	Sewri ... ..	22	7	7	...	15	6	9
	Sion ... ..	76	42	33	9	34	10	24
	Total ...	154	70	53	17	84	32	52
G	Mahim ... ..	200	104	101	3	96	46	50
	Worli ... ..	115	73	68	5	42	18	24
	Total ...	315	177	169	8	138	64	74
F Mills	Parel ... ..	9	5	2	5	4	...	4
	Sewri ... ..	6	3	2	1	3	...	3
	Sion ... ..	3	3	1	2	...	...	...
	Total ...	18	11	3	8	7	...	7
G Mills	Mahim ... ..	8	3	2	3	5	2	3
	Worli ... ..	37	14	2	12	23	2	21
	Total ...	45	17	2	15	28	4	24
	Grand Total ...	2,260	596	366	230	1,664	426	1,238



**Wells.**—The following table shows by wards the number of wells filled in etc., during the year 1942:—

Ward.	Total in the locality.	DEALT WITH	
		Filled in.	Covered
			completely.
A	357 plus 6	...	...
B	99 plus 2	2	...
C	663 plus 6	2	1
D	462 plus 3	22	...
E	159	3	...
F	173 plus 1	2	...
G	360 plus 1	1	...
	2,273 plus 19*	32**	1

\* These are newly discovered wells.

\*\* Out of these, 29 wells were hermetically concrete covered and 3 open wells.

The total number of wells in the City was 2,260 including the 19 newly discovered during the year, of which 596 are either open or partially open. Out of 596 open or partly open wells 527 are retained wells, 40 are jack wells and the remaining wells are under action.

Almost all wells which have been decided or proposed to be retained have been stocked with larvicidal fish. The stock is replenished every six months.

**Cisterns.**—Defective non-mosquito proof manhole covers were replaced by the new hinged cast iron standard pattern lids in 80 cases during the year. The total number of cisterns in the City is 59,350.

**Tanks.**—Mill tanks.—In the beginning of the year, there were 86 mills with 94 mill tanks in the City. During the course of the year, the Victoria Mill stopped working. Thus there were 85 Mills with 94 Mill tanks in the City. The mill tanks are regularly examined and treated with larvicides when necessary. Only one mill now participates in the scheme of oiling the Mill tanks as desired by the Malaria Advisory Committee.

The following table shows the number of mill tanks found breeding in each month in the year 1942:—

Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
5	4	5	5	3	...	...	...	...	6	3	2	33

**Overhead cisterns on Mills and other premises.**—There were 188 overhead cisterns. One overhead cistern in the Manekji Petit Mill was removed in July last. 2 overhead tanks in the Suryodaya Mills which were closed 2 years back and one in the Victoria Mill have been shown in the list of overhead tanks other than the Mill premises. Thus there are 184 overhead cisterns on Mill premises. They are all mosquito-proof. There were in all 94 overhead tanks on premises other than Mills, at the beginning of the year. There are now 97 such tanks which are mosquito-proof.

There were also long and extensive air raid shelter trenches dug in the City, which too had to be kept treated with oil mixture regularly during the Monsoon. It has often been said that the breeding places such as static tanks etc., should be controlled more economically with fish than by oil. In controlling mosquito breeding the local circumstances alone should dictate the type of work to be undertaken. What holds good for one place may not be of use in another place.

Biological control by fish has not been found 100 per cent. efficient anywhere even in connection with wells the water of which is used for drinking purposes. Particularly when the water is not to be used for drinking purposes, there seems no reason why unnecessary risk should be taken and fish should be preferred to oil and Paris Green only on the ground of immediate economy. In fact if Malaria does break out it would prove to be ultimately very uneconomical and certainly unwise.

With regard to the static tanks it is also necessary to bear in mind the possibilities of the use of the water as bathing pools causing disturbance and death of the fish, the deviation from larvae eating habits into those of eating other articles thrown by people resulting in utter failure of fish as a Larvicidal agent.

Economy should be exercised in the consumption of oil by devising and using contrivances such as "Booms" and "Pillows" rather than by changing the larvicide. This has been found satisfactory in controlling breeding in static tanks in Bombay.

**Gambusia.**—the fish of choice has a number of defects as a simple larvicidal agent. Its effect is cumulative and therefore has a long term effect on the Anopheline population. When quicker effects are desired other agents should receive preference in dealing with temporary, breeding places if a choice is available.

To meet emergency measures, the Malaria Branch of the Health Department was strengthened with a temporary staff consisting of 3 clerks, 15 Junior Overseers and 30 coolies.

#### VENEREAL DISEASES.

The Free Venereal Diseases Clinic at 254, Bellasis Road has been provided with modern equipment for diagnosis and treatment.

**Control.**—The methods employed are:—

**Personal Prophylaxis.**—A free Prophylactic Centre is open day and night at the following Municipal Dispensaries:—

- (1) Dispensary for Combating Venereal Diseases 254, Bellasis Road, Byculla.
- (2) Municipal Dispensary, 55, Rajwadkar Street, Colaba.
- (3) No. III District Municipal Dispensary, 259, Sandhurst Road, Umerkhandi
- (4) No. VI District Municipal Dispensary, 264, Charni Road, Girgaum.



- (5) No. VIII District Municipal Dispensary, 143, Foras Road, near the Tram Junction.  
 (6) Municipal Dispensary, 753-B, Dharavi Road, Dharavi.  
 (7) Municipal Dispensary, B.D.D. Chawl, No. 45, Worli.  
 (8) Municipal Dispensary, 213-213 C, DeLisle Road, Lower Parel.

11,748 persons attended for Prophylaxis at the Clinic and 1,119 attended at other Centres during the year 1942.

2. **Diagnosis.**—For the Clinic as well as for general medical practitioners and hospitals where such facilities do not exist, the following investigations were done at the Clinic:—

Wassermann Reactions 776 done at the Clinic; besides 980 were done by the Halfkine Institute for the Clinic.

Khan Test	...	...	...	1,420
Dark Ground Searches for Treponema Pallidum	...	...	...	2,354
Cultures	...	...	...	54

3. **Treatment.**—Of men, women and children at one Centre, morning and evening, The following table shows figures for the last five years:—

Year.	NUMBER OF PATIENTS DEALT WITH.								Number of V.D. cases carried over from previous year.	Total number of attendances visits.
	Syphilis.	Non-Syphilitic Sores.	Gonorrhoea.	Total V. D.	Other than V. D.	Number of patients who ceased attendance before the diagnosis was completed.	Total new cases.	No. of Prophylaxis.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1938	1,545	1,197	3,451	6,193	708	205	6,304	6,740	802	99,165
1939	1,663	1,315	3,570	6,548	908	276	6,798	5,878	934	1,02,706
1940	1,968	1,590	3,307	6,865	1,647	630	8,286	5,457	856	1,06,425
1941	1,786	1,651	3,292	6,729	1,496	903	8,495	5,858	633	1,05,563
1942	2,743	2,510	3,601	8,854	1,665	788	10,588	11,748	719	1,22,294

\* These figures include cases carried over from the previous year as shown in col. No. 10.

**Daily Attendance.**—The daily average of new patients for diagnosis or treatment and for prophylaxis and the average daily attendance was as follows:—

New Patients	...	Males	...	35.2	} Total	...	39.1	} Total for Diagnosis and Treatment	447.0
		Females	...	3.9					
Old Patients	...	Males	...	337.4	} Total	...	407.9	} Total daily attendance	497.2
		Females	...	70.5					
Prophylaxis	...	Day	...	4.5	} Total	...	32.2	} Total for Prophylaxis	32.2
		Night	...	27.7					

The following is the average daily attendance during the last five years:—

1938	1939	1940	1941	1942
387.8	391.5	390.7	391.4	479.2

**Distribution of Cases.**—Out of 10,588 (9,534 males and 1,054 females) registered during the year 1942 for diagnosis and treatment, 788 (739 males and 49 females) ceased attending before the diagnosis was completed and 1,665 (1,307 males and 358 females) were diagnosed as non-venereal. The remaining 8,135 (7,488 males and 647 females) with the addition of 719 (602 males and 117 females) carried over from previous year make a total of 8,854 (8,090 males and 764 females) venereal cases which are classified as follows:—

	Males.	Females.	Total.
Primary Syphilis	...	...	...
Secondary Syphilis	...	...	...
Late Syphilis	...	...	...
Congenital Syphilis	...	...	...
	863	151	1,014
	1,262	254	1,516
	137	17	154
	42	17	59
<b>Total</b>	<b>2,304</b>	<b>439</b>	<b>2,743</b>
Acute and Sub-acute Gonorrhoea	...	...	...
Chronic Gonorrhoea	...	...	...
	2,531	158	2,689
	741	171	912
<b>Total</b>	<b>3,272</b>	<b>329</b>	<b>3,601</b>
Non-Syphilitic Sores	...	...	...
	2,500	10	2,510
<b>GRAND TOTAL</b>	<b>8,854</b>	<b>778</b>	<b>8,076</b>
			<b>778</b>

**Follow up Work.**—Of patients and lapsed cases for bringing them under medical care. The Nurse paid 1,144 domiciliary visits to families and the Lady Physician 63 during the year under report.

**Propaganda.**—There is a room set aside for propaganda where posters, leaflets, pamphlets and attractive literature on causation, treatment and prevention of venereal diseases along with other materials are exhibited for the education of the patients seeking treatment at the clinic.

**Medical Training in Venereal Diseases.**—By Post-graduate and Short Refresher Course. Nine general Medical Practitioners took advantage of the facilities and attended short courses in methods of diagnosis and treatment. Two General Medical Practitioners with a remuneration of Rs. 50 per month each were appointed on the staff during the year as Honorary Clinical Pathologist and Honorary Clinical Assistant.

### DISINFECTION.

The following table shows the number of cases of Infectious diseases, those removed to Hospitals, the number of houses vacated and disinfected and the number of articles disinfected by steam :—

INFECTIOUS DISEASES—CAUSE AND NATURE OF ACTION TAKEN IN 1942.

On account of	Cases.	Cases removed to Hospitals.	Houses vacated.	Rooms disinfected.	Articles sterilized.
Plague	1	...	...	1	2
Small-pox	1,454	440	60	1,470	886
Measles	...	1	...	34	41
Chicken-pox	...	34	...	168	47
Typhoid fever	1,018	2	...	1,126	880
Relapsing fever	...	...	...	...	...
Influenza	1	...	...	2	...
Cholera	...	...	...	...	...
Erysipelas	...	...	...	1	...
Leprosy	78	...	...	...	...
Tuberculosis of Lungs	1,680	12	...	1,274	631
Cerebro-Spinal fever	63	...	...	43	13
Dead Rats	...	...	...	5	...
Other Causes	...	5	...	812	1,715
Total	4,295	494	60	4,936	4,215

**Quantities and Cost of Disinfectants and Insecticides used.**—The following statement shows (a) the quantities used for disinfecting dwelling houses, rooms and other places such as house gullies, drains, privies, etc., (b) the total cost of the disinfectants used for each purpose, and (c) the total quantities in which each kind of disinfectant was used during the year ending 31st December 1942 and their total cost :—

Name of disinfectant.	(a)		(b)		(c)	
	Quantities of disinfectants used.		Total cost of disinfectants used.		Total quantities of disinfectants used.	Total Cost.
	(i)	(ii)	(i)	(ii)		
	For disinfecting dwelling houses and rooms.	For disinfecting other places such as house gullies, drains, privies, etc.	For disinfecting dwelling houses and rooms.	For disinfecting other places such as house gullies, drains, privies, etc.		
			Rs. a. p.	Rs. a. p.		Rs. a. p.
Pesterine (oil furnace) Gallons	15½	18,482	3 6 0	4,104 0 6	18,497½	4,107 6 6
Charcoal, maunds	...	...	...	...	...	...
Sal Hycol, Gallons	...	...	...	...	...	...
Sulphur, lbs.	359½	160	68 2 6	31 12 0	519½	99 14 6
Resotol Powder, Bags	...	157	...	1,269 2 0	157	1,269 2 0
Kerosene 125°, Gallons	6	12,451	7 8 0	12,353 12 6	12,457	12,361 4 6
Paris Green, Lbs.	...	84	...	82 8 0	84	82 8 0
Lysotol, Gallons	544½	680	2,111 6 6	2,636 0 0	1,224½	4,747 6 6
Tropical Chloride of Lime, Cwts.	...	251 11½	...	3,541 14 0	251 11½	3,541 14 0
Malariai, Gallons	...	...	...	...	...	...
Phenol, popular Drums	1	...	19 6 0	...	1	19 6 0
Disinfecting fluid, Gallons.	...	...	...	...	...	...
Vap lamps, Nos.	...	...	...	...	...	...
Total	...	...	2,209 13 0	24,019 1 0	...	26,228 14 0

### MEDICAL RELIEF.

**Municipal Dispensaries.**—The nineteen (including 3 dispensaries newly opened during the year under report) Municipal Dispensaries were open throughout the year to administer, as in the past, free medical relief to the sick poor of the City.

The number of new cases treated at the Dispensaries during the year was 1,68,960 (1,14,087 males and 54,873 females) as against 1,98,352 in 1941. The total attendance numbered 5,75,811 as against 6,52,189 in 1941. These figures include 157 visits by the Dispensary Medical Officers to patients in their homes.

The diseases treated at the dispensaries during each month of the year are shown in Table No. 5 (Appendix).

In addition to the above dispensary work, women and children are treated by two part-time Lady Doctors at six Municipal dispensaries in the City between 12 noon and 2 p.m. twice a week and by the Lady Doctors in charge of the five Maternity Homes at the five Ante-Natal and Post-Natal Clinics attached to the respective Homes between 1 and 3 p.m. These Clinics have been working daily since June 1939. The number of new cases treated at these dispensaries was 19,101 (15,141 women and 3,960 children) as against 22,414 in 1941. The total attendance at these dispensaries was 71,506. These figures include 3,640 visits by the Lady Doctors to patients in their homes.

**Eye Dispensary and Hospital.**—The Dispensary and Hospital at Kamathipura are attended to by two Medical Officers by turn, *viz.*, one attends on Mondays, Wednesdays and Fridays and the other on Tuesdays, Thursdays and Saturdays. The Institution is open every day from 8-30 to 9-30 A.M. except on Sundays. The Hospital has an accommodation of 6 beds for males and 6 beds for females with a small Operation Theatre. The total number of new cases treated in 1942 at this Institution was 6,149 (4,701 for Eye and, 1,448 for Ear) as against 6,464 in 1941. The total attendance was 27,847 during the year as against 21,583 in 1941. The number of indoor patients amongst the new cases treated and total attendance were 93 and 1,286 respectively.

Attendance of New and Old patients as compared with the previous three years was as follows :—

Year.	New Patients.	Old Patients.	Total.
1939	5,805	23,287	29,092
1940	9,118	20,754	29,873
1941	6,464	15,119	21,583
1942	6,242	21,605	27,847

#### PUBLIC HEALTH PROPAGANDA AND EDUCATION.

In accordance with the scheme submitted by me and approved of by the Corporation, *vide* Corporation Resolution No. 208, dated the 18th June 1942, a Propaganda Branch for popular education in Public Health has been started and Mr. A. A. Kanekar, B.A., LL.B., was appointed as a Propaganda Officer on 6th November 1942 on Rs. 150 in the grade of Rs. 150-10-250 *plus* Rs. 20 Conveyance Allowance with a clerk on Rs. 55 in the grade of Rs. 55-4-115-5-140 to assist him. His assistant was appointed on 23rd November 1942.

The appointment of the Propaganda Officer having been made late in the year all that could be done during the year was to undertake the preliminary work of taking stock of our position with regard to health propaganda materials, of future requirements, types of materials and collection of information regarding sources, costs etc.

The following work was done by this branch upto 31st December 1942 :—

(1) An inventory of leaflets, pamphlets, posters etc., already with the Health Department was made.  
 (2) Letters to various bodies doing Health propaganda in India including such Municipalities like Calcutta Corporation, Colombo Municipality, etc., were sent requesting them to send samples of propaganda material and their suggestions.

(3) Various Catalogues of slide and cinema material were studied and proposals to order material from various institutions were prepared.

An interim propaganda programme for three months ending 31st March was prepared. Steps to secure projections machine and films etc., for this programme of two (film or lantern-slides) shows and to arrange lectures every week in various Municipal Institutions such as Maternity Homes, T.B. Sanatorium, Labour Welfare Centres etc., were taken.

**Training of Medical Under-graduates and graduates.**—Students from the Seth G.S. Medical College and the Grand Medical College studying for the M.B.B.S., degree of the University of Bombay, as also students for the Diploma courses of the National Medical College and Ayurvedic Medical Colleges in Bombay are given instruction and training in the treatment of infectious diseases and vaccination. Facilities for post-graduate training in diagnosis and treatment of Venereal Diseases are given at the Venereal Diseases Clinic. Instruction is given to students appearing for the B. Hy., and D.P.H., degrees of the Bombay University. A class for the training of Sanitary Inspectors is conducted by the Department under the auspices of the Royal Sanitary Institute, London, and the Government of Bombay.

#### PUBLIC HEALTH ADMINISTRATION.

The chief administrative functions of the Public Health Department consist of :—

- (i) Conservancy and General Sanitation, including housing.
- (ii) Food Sanitation.
- (iii) Registration and Vital Statistics.
- (iv) Control of Communicable diseases.
- (v) Hygiene including maternity, infant, pre-school and school health.
- (vi) Laboratory work.
- (vii) Medical Relief.
- (viii) Publicity and Health Propaganda.

(1) The Conservancy and general sanitation are the essential services rendered by the Public Health Department which have an important bearing on the health of the City. The two services cannot be formed into two separate units independent of each other but for the sake of arrangements of work they may be described as follows :—

Conservancy includes in its fold the work of cleansing streets, gullies, foot-paths, etc., removal of chokes from drains, removal and disposal of refuse, halalkhore service, destruction of rats and dogs, veterinary service, control of infectious diseases among animals, disinfection and disinfection of the environments of the places where communicable diseases occur, ambulance service, etc.

General sanitation comprises inspection and supervision of all premises with a view to detecting sanitary defects and to take steps to remedy them, provision of public sanitary conveniences, maintenance of premises in a sanitary state, taking of action against defaulters, sanitary control over factories and other licensable trades, housing and action with regard to overcrowding, finding out defects regarding houses unfit for human habitation and taking action against the same.

(2) Food sanitation entails control over adulteration of food, supervision over food exposed for sale and of food handling establishments, destruction of unwholesome food, etc.

(3) Registration and vital statistics include the arrangements for the registration of births and deaths taking place in the City, maintenance of records of the vital events affecting the health of the City and regulations of places for the disposal of the dead and the provision of new places for the said purpose.

(4) Control of communicable diseases entails measures for the prevention of diseases like Small-pox, Plague, Cholera, Typhoid fever, Tuberculosis, etc., and the provision of hospitals for the isolation and treatment of such diseases. It also includes the establishment of clinics for the treatment of diseases like Tuberculosis, Venereal Diseases and the like, follow up work through the health visitors and medical officers and arrangements for vaccination and inoculation of the public. A special section is run for control and prevention of Malaria.

(5) Hygiene includes care at homes and at clinics for ante-natal, natal and post-natal cases of infants and toddlers and provision of maternity care at institutions. School health and hygiene is carried out through medical inspection of school children and the correction of defects through clinics, dispensaries, etc.

(6) Laboratory work consists of routine and special examinations. It includes examination both chemical and bacteriological of water, sewage, etc., and of all kinds of articles bearing on health particularly under the Bombay Prevention of Adulteration Act and also of the examination of clinical specimens such as sputa, urine, blood etc., of the patients treated at Municipal institutions.

(7) Medical Relief consists of treatment provided at hospitals and dispensaries including those conducted for the treatment of diseases peculiar to women and for the treatment of eye ailments.

(8) Education is the basis of modern public health work if permanent results are to be obtained. With that end in view, a Public Health Propaganda section has been opened for mass education of the public in matters pertaining to health.

For administrative purposes the City has been divided into seven wards A to G grouped into four divisions, viz. A and B Wards, C and D Wards, E Ward and F and G Wards, under Assistant Health Officers responsible for the sanitary work of their respective divisions. There are thus four Assistant Health Officers in charge of the four main divisions of the City, who are under the direct control of the Executive Health Officer.

The Island has been further sub-divided into 50 sections in charge of Inspectors styled Medical Assistants and each Inspector in the section to which he is appointed is required to undertake the work incidental to registration and sanitation as well. As a necessary corollary all the newly appointed Inspectors are required to be qualified Medical Practitioners and to pass the Sanitary Inspector's Examination.

The 50 sections have been arranged in groups to form 10 Registration and sanitary Districts, the work in each of the 10 Districts being supervised by a Senior and/or Junior Medical Inspector. There are 7 Senior and 10 Junior Medical Inspectors who are required to be Medical Graduates and to work under the orders of the Assistant Health Officers of the wards in which their respective Districts are situated. An exception to the rule regarding the possession of medical qualification is made in favour of the old grade Sanitary and Assistant Sanitary Inspectors.

In addition to the 50 Medical Assistants in charge of sections the nineteen Municipal Free Dispensaries are in charge of 17 Medical Assistants.

There are five Maternity Homes which are placed in charge of Lady Medical Officers who are directly responsible to the Assistant Health Officers and the Executive Health Officer. In addition to the usual staff of the Maternity Homes, ten Health Visitors have also been placed under the direct control of the Medical Officers.

• For the control of milk trade, 7 Sub-Inspectors are employed under the Supervision of Medical Inspectors. Sampling of milk is carried out by the Sub-Inspectors and Medical Inspectors. The latter are also responsible for taking samples of other articles of food under the prevention of adulteration Act.

The Malaria Branch was re-opened on 8th January 1923 and anti-malarial measures were carried out during the year by a staff consisting of 6 Medical Inspectors, 95 Sub-Inspectors, 7 Muccadums, 207 Coolies, 1 Carpenter and 1 Mason under the control of an Assistant Health Officer who is subject to the control of the Executive Health Officer. In connection with the work of emergency water supply and static tanks, etc. in the City the staff was augmented by 15 Junior Overseers and 30 Coolies.

There are two Municipal Hospitals for infectious diseases under the Health Department; one for Tuberculosis and road-side patients at Connaught Road and the other at Arthur Road for the treatment of patients suffering from all other infectious diseases except Leprosy. They are under a Medical Superintendent with a staff of four Medical Assistants, two Matrons, two Sisters, ten Nurses and three Probationer Nurses.

The analysis of samples of food, samples of the Municipal Water supply and of clinical specimens is carried out in a laboratory attached to the Health Department by the Municipal Analyst, who is assisted by 1 Assistant Analyst, 1 Assistant Chemist, 2 Assistant Bacteriologists, 2 Junior Laboratory Chemists and 1 Laboratory Assistant (temporary in connection with the emergency water supply).

The Veterinary staff includes 1 Senior Veterinary Inspector, and 3 Junior Veterinary Inspectors who are all qualified Veterinary Surgeons and inspect all public stables in the City and are also in charge of the Municipal Bullock Hospital and of the segregation sheds at Tardeo Flats. In addition to this staff, there are 9 Veterinary Assistants who are responsible under the Conservancy Supervisors for the health of bullocks in the eleven Health Department Stables.

The Vaccination Staff includes the Superintendent, 1 Head Vaccinator and 13 Vaccinators including one female vaccinator.

Since July 1938, a separate branch has been started to conduct welfare work among the labour staff. The branch is in charge of a Lady Welfare Organiser with one Assistant and a staff of 10 teachers for sewing classess, 9 women workers, 9 men workers and 10 assistant men workers. Except the Organiser and her Assistant, the other staff consists of part-time workers.

The Branch for the Medical Inspection of Schools was transferred from the Schools Committee's Establishment to the Health Department from 1st April 1938, and the inspectorial staff of the branch consists of 1 Medical Inspector, two Junior Medical Inspectors, 1 Medical Inspectress and one Assistant to the Medical Inspectress, 1 School Clinic Organiser and one Assistant School Clinic Organiser.

Health Publicity section has been opened since November 1942 and is in charge of a Propaganda Officer under the direction of the Executive Health Officer.

### CONSERVANCY.

The work of the Conservancy Branch has been increasing year after year along with the expansion and development of the City. Moreover the numerous temporary camps established by the Military authorities threw additional work on the branch during the year under report. All this was done without any increase in staff and without sufficient equipment necessary for the increased work, additional equipment being not available owing to high prices on the one hand and the difficulty of obtaining them on the other. It would therefore be realized under what difficulties this branch had to work and maintain the efficiency of conservancy work during the year.

The Conservancy Branch attends to the cleansing of roads, foot-paths and house-gullies daily. The area conserved was as shown below :—

*Total Mileage of various types of Roads, Footpaths and House Gullies with their areas as in square yards.*

	Roads.	Foot-paths.	House-gullies.
Miles ...	268.04	236.67	104
Square yards ...	50,03,707	2,258,485	329,700

**Frequency of cleansing in a day.**—The frequency of cleansing varies according to the nature of the locality. All house-gullies and a majority of the roads are cleansed twice daily but some roads are cleansed four or even six times a day.

The arrangement for the cleansing of roads, foot-paths and house-gullies was the same as in former years, except for the slight modification in the working hours necessitated by the advancing of time by one hour by Government. There was however much to be desired in the arrangement of road-washing and gully-flushing. Roads were formerly washed in small lengths, portion after portion, by road washing gangs. By this arrangement and with the limited staff of the road-washing gangs, only small lengths of roads could be attended to every day leaving one end of the road always dry and dusty. This dry end not only continued to cause dust nuisance but practically resulted in undoing the roadwashing work already done during the day and the work having thus continued throughout the month necessarily caused obstruction to traffic every day.

With the changed system followed during the year, the road-washing and gully flushing gangs were amalgamated and the work of washing all the roads in the City was so arranged that instead of carrying on with the work piecemeal throughout the month, it was restricted to only 8 days in a month—4 days at a stretch every fortnight, thus increasing the efficiency of work and reducing the dust nuisance and inconvenience to traffic, while maintaining the same frequency as before *viz.*, twice a month.

The work of this branch can be less heavy, less costly and more efficient if only the public were to give up their habits of throwing catchra indiscriminately around their residences, in the house-gullies and on streets. These places are littered with household refuse consisting of remnants of food immediately after they are cleansed and this results not only in rendering the surroundings insanitary but tends to increase the nuisance from rats who thrive on this food and breed. Ceaseless efforts of this Department for years past have failed to achieve improvement in the habits of the people to any appreciable extent. A Propaganda Officer has now been appointed to educate the public in matters of public health with the help of latest propaganda material such as slides, films, posters, lectures, etc., and it is expected that greater cooperation of the Public will now be available.

The following Table shows the collection and removal of refuse in Tons by the Street Cleansing Branch:—

#### COLLECTION AND REMOVAL OF REFUSE BY THE STREET CLEANSING BRANCH FOR 1942.

Population Census 1941.	Area in acres.	TONNAGE OF REFUSE COLLECTED AND REMOVED			Total estimated.
		House and street.	Trade.	Market.	
14,89,883	16,761.5762	4,39,440	15,904	20,092	4,75,436

**Units for the collection and removal of refuse.**—The vehicles used for the collection of house refuse consist of 326 Units of which 39 were mechanically propelled and 287 drawn by Bullocks.

#### PUBLIC RECEPTACLES FOR THE COLLECTION OF REFUSE.

Street and orderly bins.	Dust-bin cart stands.	Refuse bucket bins on stands.	Number of dust-bin sheds.	Refuse collection yards.	Total Sanitary bins provided by owners upto date.
24	132	30	158	3	1,04,283

The refuse collection yards mentioned above are situated at Palton Road A Ward, Chorupdeo E Ward East and Parbhadevi G Ward. Sweepings of streets and gullies from some parts of A, B and C Wards close to Palton Road Yard are brought by carts to that yard and subsequently removed by motor lorries to Mahalaxmi catchra siding. Similar procedure is followed in respect of Ghorupdeo and Parbhadevi Yards, the refuse being conveyed by carts from some portion of E and F Wards to Ghorupdeo Yard and from G Ward to Parbhadevi Yard and from there to the Mahalaxmi Siding.

The total number of Waste Paper Bins attached to the Tramways and Gas Light poles on the principal thoroughfares in the City was 766.

The total number of sputum bins similarly provided in the City during this year as a trial was 60.

All public Receptacles were regularly attended to, the refuse in majority of cases being removed at least twice or thrice a day or oftener in the case of more important centres between the hours of 6 A.M. and 9 P.M. A few receptacles only are attended to once a day as they needed clearance only once. All these places were swept clean immediately after the removal of refuse and were sprinkled with deodorants. In spite of all possible care taken to maintain them in a clean condition, these receptacles were a source of nuisance and would have to be eliminated by extending the system of house to house collection of refuse. The question of extending this service has been already under consideration, but owing to the difficulty of obtaining additional and convenient means of transport in the present conditions of war, it has not been possible to make any progress in this direction and we will have to wait until the return of normal times.

**Refuse Disposal.**—The following Table shows the quantity of refuse disposed of during the year 1942 in tons :—

QUANTITY OF REFUSE DISPOSED OF BY VARIOUS METHODS							
By Rail to Deonar			By Reclamation			By incinerators (household).	By manure-pits (refuse from stables).
Household.	Trade.	Market.	Household.	Trade.	Market.		
3,29,500	45,676	20,092	1,10,792	19,520	...	7,480	25,904
TOTALS							
Household		Trade		Market		Total yield	
4,47,772		91,100		20,092		5,58,964	

The work done by the Halalkhore Branch in 1942 is given below :—

No of hands employed.		Total number existing.				Amount of excrementitious matter removed.	
Basket Halalkhore including V.G. Cleaners, etc.	Cesspool Cart-Drivers.	Privy seats.	Cess-pools.	Septic Tanks.	Soakage pits.	From Privies.	From Cess-pools.
						Baskets.	Gallons.
718	40	2,034	627	117	47	4,94,272	92,63,400

Public Sanitary Conveniences as existing in the year 1942.—

	Latrines only.	Urinals only.	Bathing places only.	Combined Latrines, and Urinals.	Combined Latrines, Urinals and Bathing places.	Basket Privies.	Total.
No. of structures	47	116	6	60	18	8	255
No of seats	415	...	...	280	110	...	805
No. of stalls	...	379	...	240	74	...	693
No. of cubicles	...	...	22	...	84	...	106
No. of privy seats	...	...	...	...	...	96	96

The work of cleaning the Septic Tanks attached to private premises in the unsewered areas of the City was continued by the Conservancy Branch. This work was done free. There are 117 Septic Tanks in the City, most of which are in "F" and "G" Wards. The annual expenditure incurred by this Branch for this work was Rs. 670-13-0.

Road Scraping, Road Washing and Gully Flushing work done by the respective Gangs during the year 1942 is given below :—

STATEMENT SHOWING THE WORK OF ROAD WASHING, ETC., DURING THE YEAR 1942.

ROAD SCRAPING		ROAD WASHING	
Area of road scraped in square yards.	Tonnage of road scraping and debris collected.	Road and footpath washing	Gully flushing
		Area of roads and footpaths washed in square yards.	Area of paved gullies flushed in square yards.
67,60,269	14,384	2,28,55,196	67,92,000

**Carcasses.**—Excluding dogs and cats the carcasses of large and small animals collected by the Conservancy Branch numbered 2,905 and 16,249 respectively during the year. They were handed over to the Skinning Contractor who had taken the contract for Rs. 19,351.

**Rat Destruction:**—Rat catching and killing operations were carried out throughout the year as before. With a view to keeping the rat population at its lowest limit these operations were carried on as intensively as possible according to the means available. The Table given below shows the number of rats dealt with during the year.

No efforts were spared by the branch to intensify this activity of the Department which vitally concerns the health of the City. But in spite of this there was an appreciable fall in the number of rats caught. It is difficult to say to what extent the fall may be ascribed to actual reduction of the rat population, if at all, but the same can at least be attributed partly to various difficulties the department was facing for want of sufficient materials to carry out rat campaigns such as Cyano-gas, barium carbonate and rat traps, lack of sufficient co-operation on the part of the public to the baiting operations in the houses, difficulty of arranging rat campaigns at night owing to the black-out, apathy of the labour staff to take up this kind of work and absence of open spaces. The branch has however endeavoured to maintain its efficiency in this respect in spite of all these difficulties.

The total number of rats collected and destroyed during the year was 6,26,765 against 6,55,312 in the year 1941. Out of 6,26,765 rats collected and sent to the Haffkine Institute, 2,22,193 were examined and none was found infected.

#### RAT DESTRUCTION STATISTICS FOR 1942.

METHOD				No. of rats killed or found dead.	No. of rats taken alive.	Total.	No. of rats examined.	No. of rats infected with Plague.	No. of infected rats per 100.
Baiting Ba. Co 3.	Traps Laid.	Cyano Gas Baby Dusters.	Other.						
1,16,15,574	3,03,680	31	Flooding	3,23,961	3,02,795	6,26,756	2,22,193	...	...

**Dog Destruction:**—The work of destroying stray and ownerless dogs was continued throughout the year. Captures as usual were effected mainly by the use of American Buck Skin Gloves. Tongs were used only in cases of rabid dogs when the dogs to be captured were found to be unmanageable. The total number of dogs caught was 6,727. Out of this number, 6,147 were destroyed by electrocution and 580 were returned to owners.

The total number of dog bite cases treated at the Haffkine Institute during 1942 was 1,827 against 3,404 in 1941.

**Stray Cattle:**—Nuisance from stray cattle continued as before. Efforts to abate the nuisance were made as usual and 230 periodical raids were arranged in different localities as a result of which 245 heads of cattle were sent to the Pound.

The nuisance from stray cattle in the city continues unabated from year to year in spite of the action taken by the Health Department. Although under Section 52 of the City of Bombay Police Act the primary duty of impounding cattle rests with the Police, the Municipal Conservancy staff renders active co-operation in the work.

**Basket Privies:**—During the year 1942, 53 basket privy seats were converted. The number of seats to be converted in the sewered areas of the City is as under:—

Ward.	Number of blocks in sewered areas.	Number of privy seats in sewered areas.
A. ... ..	2	19
B. ... ..	...	...
C. ... ..	2	4
D. ... ..	1	2
E. E. ... ..	3	8
E. W. ... ..	4	10
F. ... ..	29	143
G. S. ... ..	119	270
G. N. ... ..	128	246
Total ... ..	288	702

The following statement shows the number of Basket Privies in the unsewered areas:—

Ward.	Number of privy blocks in unsewered areas.	Number of privy seats in unsewered areas.
F. ... ..	279	721
G. S. ... ..	30	27
G. N. ... ..	136	584
Total ... ..	445	1,332

**Sanitary Bins:**—26,155 buildings have been provided with sanitary bins.

**Infectious Diseases Ambulances and Hearses:**—Ambulance service under the control of the Health Department is rendered free of charge within the limits of the City of Bombay. There are four Ambulances for removing patients suffering from infectious diseases to the Infectious Diseases Hospital free of charge.

These Ambulances are kept at the garage at the Arthur Road stables throughout day and night. Patients suffering from other diseases lying either on the road side or in charitable Institutions are also removed free in ambulance. Patients discharged either from the City Fever Hospital or the Maratha Hospital are allowed free use of the ambulance for going back to their residences.

The service is also made available for removing patients suffering from infectious diseases from places outside the limits of the City on a charge of annas twelve per mile. In these cases, deposits are required to be paid in advance.

There are two hearses for the removal of Christian and Non-Christian dead bodies from the Hospital to their homes or to cemeteries. There is also one dead body van attached to the K. E. M. Hospital for the same purpose. For the service of the dead body van of the K. E. M. Hospital, a charge of Rs. 5 is made for the first hour and Rs. 3 for every subsequent hour, exemption being allowed only in deserving cases.

A free service of both the Hearses is made available for the removal of Christian Paupers to Cemeteries within the City limits on production to the Officer in charge of Ambulance Service at Arthur Road of a certificate from the Parish Priest.

The Hearses and the Van are also available for the removal of dead bodies outside the limits of the City on a charge of annas 12 per mile. Deposits are required to be paid, in advance, in such cases.

In addition to the above, Maternity Ambulance Service and Street Accident Ambulance Service are available to the Public and are under the control of the Chief Officer, Fire Brigade, Bombay. The former is made available for conveying patients from their homes to Maternity Homes or Hospitals free of charge, while the latter service with 5 ambulances is rendered free of charge for accidents occurring on streets and in factories in the City and also on a charge of Rs. 5 for the first hour and Rs. 3 for each succeeding hour or fraction thereof for removing patients suffering from diseases other than infectious diseases.

The work done by the Health Department Hearses and the Infectious Ambulances during the year 1942 is given below :—

(1) Number of pauper Christian dead bodies removed by the Health Department Hearses during 1942	397
(2) Number of non-Christian dead bodies removed by the Health Department Hearses during 1942	5
(3) Number of patients removed by Infectious Diseases Ambulances during 1942	7,427

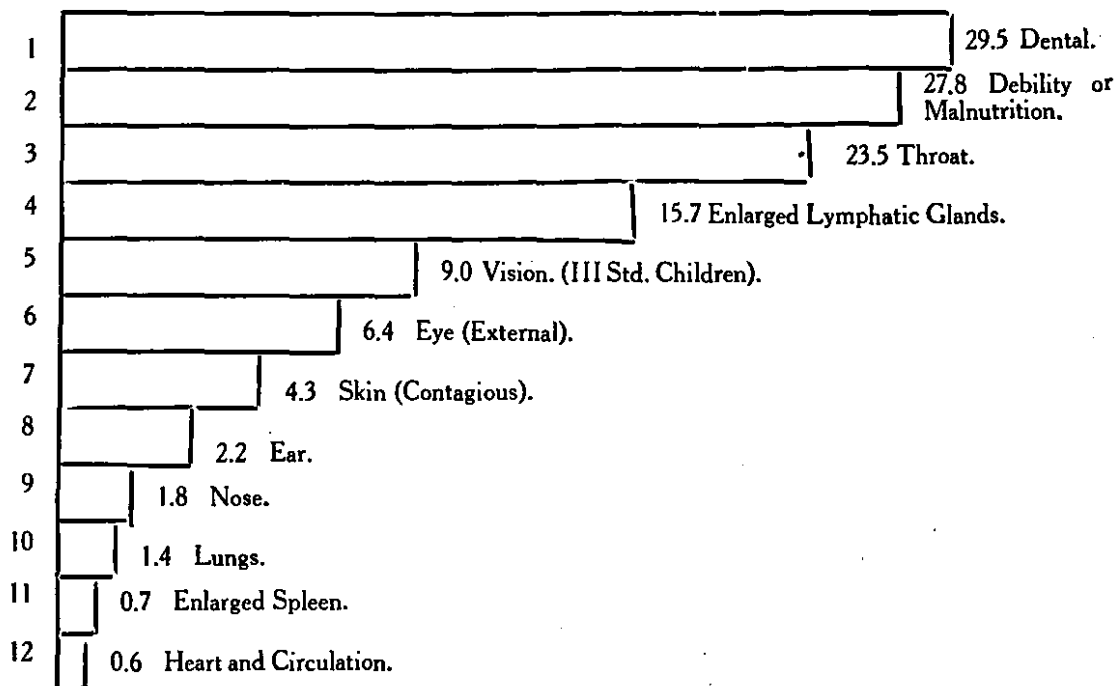
#### SCHOOL HEALTH WORK.

**School Medical Inspection.**—The total number of schools visited and re-visited by the Inspectorial staff was 587 out of which 386 were boys' and 201 were girls' schools. The total number of children examined was 22,945 including 1,414 children examined specially for Malnutrition.

**Intimations and Interviews.**—Intimations in 20,132 cases were sent to parents and guardians of the school children about defects detected at medical inspection and out of 10,816 replies received, 6,975 expressed their consent to treatment being given under our care at the Clinic. 306 parents were interviewed in schools and office with a view to persuading and advising them to get their children treated either at Municipal Dispensaries or at the School Clinic or through their family physicians.

**Defects Found.**—The following are the percentage of common defects found amongst the school children :—

#### DISEASES.



#### SCHOOL CLINIC AT THE K. E. M. HOSPITAL.

**Correction of Defects.**—Children found by the Medical Inspectors to be suffering from major defects were taken by the newly appointed School Clinic Organiser and the Assistant School Clinic Organiser to the fully equipped School clinic at the K.E.M. Hospital in motor buses from their respective schools after the teachers had obtained the consent of their parents. The number of new children so treated during the year was 1,612, in addition to 5,519 old cases totalling 7,131 children in all. A large number of such children, however, remained without treatment as one such clinic was not adequate to cope with the demand. The



provision of additional facilities on the lines of the clinic at the K.E.M. Hospital, is, therefore, an urgent necessity in the interest of the health of school children.

In addition to the work at the K.E.M. Central Clinic, further work in connection with correction of defects was as follows:—

- (1) 55 spectacles were supplied to poor and deserving children ;
- (2) 425 schools were supplied with emergency outfits ;
- (3) 29 children were taken to the Central Vaccination Depot for vaccination ;
- (4) 8 children suffering from Leprosy were reported to the Acworth Leper Home, out of whom 2 were in an infectious stage and therefore disallowed to attend schools and 6 have been kept under observation ;
- (5) 604 children were directed to the Municipal Dispensaries near their respective homes, out of whom 176 attended different Municipal Dispensaries and (6) 388 children suffering from minor ailments such as Ringworm, Scabies and Impetigo etc., were treated in their respective schools with the consent of their parents under the supervision of class teachers.

### SCHOOL SANITATION.

**School Buildings.**—Most of the primary schools are accommodated in hired chawls and buildings, many of which are far from satisfactory from a sanitary point of view and in several schools children are overcrowded in the class rooms. These conditions tell upon the health of the children and it is therefore necessary that these schools should be accommodated in buildings specially built for the purpose keeping in view the hygienic and other requirements. Notification of insanitary conditions or defects in school buildings numbering 35 were reported to the authorities concerned.

### HEALTH EDUCATION.

(1) **Talks.**—58 talks on different subjects of Health were given to children in schools.

(2) **Health Day.**—The School Children's Health Day was held under the auspices of the Public Health Department on 8th February 1942. The Parents, Guardians, Teachers and Medical Inspectors meet on such occasions and give expression to their views and discuss freely matters concerning the health of school children efforts being made at the same time to overcome difficulties, if any.

### SOCIAL WELFARE WORK.

Social Welfare work among the labour classes at ten centres (including one for the K. E. M. Hospital staff and one for the staff of the Mechanical Engineer's Department) was conducted by the Special Branch organized for the purpose under the Public Health Department.

The programme of welfare work carried on by the Welfare Branch at the ten centres consisted of:—

(1) Recreational Activities, (2) Educational Activities, (3) Health Work and (4) Labour Officer's Work.

(1) **Recreational Activities.**—The games played included Carrom, Draughts, Ludo, "Chaupat", Snakes and Ladders; Hu-tu-tu, Atyapatya, Langadi, Volley ball, Foot-ball, Deck tennis and several other English and Indian group games. Akhada activities included Wrestling, Malkhamb, Lathi, Lezim, Pole-drill, etc., Gymnastic exercises like Free hand drill, Wand drill, Dumb-bells, Pyramids, Boxing, etc., were also regularly conducted.

Inter centre matches and tournaments were arranged. These matches provided a great incentive to regular attendance.

Men, women and children from each centre were at intervals taken out of Bombay for picnics and they were also taken to see educational and social films.

The Bhajan mandalis provided attractive social gatherings for adults who took a very keen interest in them and these occasions were utilised for giving various social discourses. Music and dramatic clubs were organised where people were afforded facilities for cultivation and free expression to their artistic capacities and talents. Music was taught on harmonium and tablas; gramophone records were played in the chawls and short dialogues and dramas were also taught and performed.

These recreational activities provided ample opportunities to our employees and their children to make the best use of their leisure time. The indoor games rooms and out-door play-grounds at the ten centres were taken advantage of daily by about two thousand adults and children.

(2) **Educational Activities.**—At every centre, literacy classes for both men and women were conducted. Lessons were accompanied by and alternated with cultural instruction in the form of lectures with the help of lantern slides, maps, charts and pictures, story-telling, reading of interesting passages from books and magazines.

Classes were run for those who wished to learn English. Coaching was given to those school-going children who were in need of it; facilities for study in the centre rooms were given to high school pupils as they had so little privacy in their own homes.

Talks and lantern-slide lectures were arranged on current topics and social subjects of immediate interest to the employees, i.e., on elementary history, geography, cleanliness and sanitary living, domestic economy, maternity and child-welfare, balanced diets, first aid, safety first, etc. Debates were organised once a week at all the centres.

For women, classes in sewing, embroidery, literacy and elementary home-nursing were conducted; training was also given in the art of home-making and in the various duties of wives and mothers with satisfactory results.

There are five hundred boy scouts and two hundred girl guides affiliated to the Hindustan Scout Association. Boys were occasionally sent out for camping.

(3) **Health Work.**—Home visiting was an important item of the programme of activities. Chawls were visited regularly by the part-time workers who discussed with the occupants family problems in a friendly manner and through these means people were persuaded to change their unhygienic habits and to realise the importance of cleanliness and sanitary living.

Lectures were delivered on personal hygiene, the care of eyes, nose, lungs and other organs. These lectures were illustrated by slides, posters, bulletins and films on housing conditions, flies, tuberculosis, venereal diseases, etc.

Children were made to wash their hands, face, feet and comb their hair in the centres. Competitions were held for the cleanest and best kept rooms and prizes were given to encourage cleanliness.

Every month a cleanliness campaign was held when the boys swept the chawls and kept their surroundings and home clean. In times of illness, people were directed to dispensaries and hospitals.

Every centre was equipped with medical appliances such as hot water bags, ice bags, thermometers, bed pans, quinine pills, iodine, etc., which were supplied to the people whenever needed.

Women were taught to prepare balanced diets very cheaply. They were persuaded to take advantage of the maternity hospitals.

**(4) Labour Officer's Work.**—Legitimate grievances of the employees regarding their housing, recruitment, leave, conditions of work, and co-operative societies were looked into and brought to the notice of their officers and were, wherever possible, redressed by them.

A Musical Concert of all the Municipal Welfare Centres was held at Sunderabai Hall, Carnegie Road, New Marine Lines, on Sunday the 25th January 1942, when Mr. M. D. Bhat, M.A., I.C.S., J.P., the Municipal Commissioner for the City of Bombay presided and Mrs. Bhat distributed the prizes.

The Fourth Annual Sports were held at Cowalia Tank Maidan on 1st March 1942, when His Worship the Mayor of Bombay, Dr. J.A. Collaco, L.M. & S., M.L.A., J.P. presided and Mrs. Collaco distributed the prizes. There were many interesting items on the Programme.

An Inter-Centre Dramatic Competition of the welfare centres was held on 22nd November 1942 at Sunderabai Hall when Mr. M. D. Bhat, M.A., I.C.S., J.P., the Municipal Commissioner for the City of Bombay presided and Mrs. Bhat distributed the prizes. It was a fine display of ten interesting dramatic pieces.

Eleven First-Aid classes were organised at Palton Road, Cochin Street, Umarkhadi, Agripada, Love-Grove, Parbhadevi, Dadar, K.E.M. Hospital, Arthur Road and Mahalaxmi Welfare Centres. Men and women attended the classes.

Lectures on A. R. P. were delivered and the practice in using the stirrup pumps was given at all the centres.

A trip to Lonavala and Matheran was organised for four days for men employees from 5th October to 8th October 1942 and from 13th December to 16th December 1942 for women employees.

Scout camps were organised at Malad during the month of December 1942.

#### FOOD SANITATION.

**Milk.**—As ascertained in 1938, daily consumption of milk in the City is approximately 3,50,000 lbs. of which 2,25,000 lbs. are produced in the City stables and 1,25,000 are imported from outside. On an average, it may be stated that an individual may be able to get about 3 ozs. of milk per day and this can hardly be considered as a satisfactory state of affairs as regards the milk supply. Owing to the paucity of sufficient supply adulteration is rampant and the price of milk has also become prohibitive for the poor. This may be partly due to increased prices of grain, hay etc. and partly due to want of sufficient number of cattle to replace dry cattle. It is desirable that for improving the present state of affairs, the Corporation should encourage and make arrangements for importation of good and pure milk from long distances by rail, under refrigeration.

It is also necessary to make arrangements for a sufficient number of wagons for importation of the required number of cattle.

Since the year 1920, various schemes for the improvement of the City's milk supply have been under the consideration of the Corporation. For various reasons, however, these schemes have not materialised.

During the year 4,317 hawkers importing milk by train were inspected. 392 were found to have no licence and 248 were carrying milk in open cans without covers. The number found with grass rings in the milk vessels was 54.

Skimmed milk was imported into the City from Anand and other places in Gujarat. On account of the length of the journey, this milk must necessarily be preserved with boracic acid or formaline. As usual, all the measures to stop importation of this milk were taken including raids organised at Railway Stations as well as at places in the City at which the trade in this milk was generally suspected to be carried on and also at different tea shops and Eating Houses, and 2 persons were detected dealing in skimmed milk containing Boracic Acid and 19 maunds of skimmed milk were destroyed.

Prosecutions were instituted in 156 cases of hawkers found selling milk in the streets without a licence. Details with regard to the adulteration of milk will be found in the report of the Municipal Analyst.

The total number of prosecutions for the sale of milk by unlicensed persons and for breaches of the licence regulations was 218 as against 555 in 1941.

**Unwholesome Food.**—The following list shows the articles of unsound food seized and destroyed under Sections 415 and 416 of the Municipal Act :—

Fruits (Fresh) ...	1,178 Nos.	Flesh Beef	... 1,224 Tins.
		Jam	... 334 Lbs.
Tins of preserved fruits	1,985 Nos.	Bacon	... 802 Tins.
Potatoes ...	500 Lbs.	Flesh (Tinned)	... 373 Tins.
Onions ...	200 Lbs.	Pickles	... 1½ Lbs.
Vegetables ...	50 Lbs.	Ham	... 36 Lbs.
Indian Sweetmeats	38 Lbs.	Spurious Tea	... 9,512 Lbs.
Cheese ...	47,67½ Lbs.	Curry Powder	... 3 Lbs.
Biscuits ...	21 Lbs.	Meat	... 47 Bags.
Sterilized milk	1,853 Tins.	Separated Milk	... 19 Mds.
Tea or Coffee ...	6,970 Lbs.	Patent Food	... 7 Cwts. 19 Lbs.
Fish (Fresh) ...	11 Baskets.		
Fish (Tinned) ...	561 Tins.		

**Statutory Notices.**—The following list gives the number of Notices served by the Inspectors and the number of Prosecutions undertaken for various offences under the Municipal Act during the year :—

NOTICES UNDER THE MUNICIPAL ACT IN 1942.

	Number of Notices issued under various sections of the Municipal Act.
Total number of Notices issued	14,131
Number complied with	9,793
Number not complied with	1,522
Number pending (disputed or not served)	2,523
Number cancelled	293
Number of Notices in 1941	11,337

STATEMENT SHOWING THE NUMBER OF COURT CASES FILED UNDER DIFFERENT SECTIONS AND THE CASES OUTSTANDING ON 1ST JANUARY 1943.

1	2	3	4	5	6
Sections under which prosecutions were instituted.	Number of cases outstanding on 1st January 1942.	Number of cases filed in the year 1942.	Total of columns Nos. 2 and 3.	Number of cases disposed of.	Number of cases outstanding on 1st January 1943.
248	22	13	35	21	14
249	3	17	20	19	1
250	...	...	...	...	...
251A	...	2	2	2	...
257	12	235	253	217	36
257, 375, 372	42	439	481	430	51
258	...	6	6	6	...
274	1	12	13	11	2
316	1	10	11	9	2
367, 368	4	49	53	48	5
372	127	611	738	588	150
375	26	203	229	194	35
375A	11	92	103	95	8
377	25	44	69	43	26
378	4	18	22	14	8
379	...	27	27	27	...
380	91	292	383	205	178
381	8	97	105	98	7
381A	...	10	10	9	1
382	...	...	...	...	...
384	17	105	122	113	9
384A	20	4	24	4	20
385	...	...	...	...	...
390	21	112	133	114	19
391	...	...	...	...	...
394	242	1,202	1,444	1,251	193
397	...	...	...	...	...
412A	151	492	643	428	215
417B	...	11	11	9	2
424	...	...	...	...	...
462	...	...	...	...	...
472	6	8	14	8	6
Total	840	4,111	4,951	3,963	988
Bombay Prevention of Adulteration Act	537	4,005	4,542	3,478	1,064

The total amount of fines inflicted during the year on account of these cases was Rs. 1,03,233-7-0.

**SANITARY CONDITION OF THE CITY.**

The principal causes contributing towards the insanitary condition of the city in some parts are the insufficiency of sewers, continuance of the basket privy system in unsewered areas, density of houses and persons per acre and inefficient methods of conservancy both as regards removal and disposal of refuse. With a view to accelerating the conversion of all the remaining basket privies into water-closets in the unsewered area, a subsidy is being given to the house owners since December 1939. During the year 53 basket privies were converted into water-closets. It is understood that owing to War conditions further action has been suspended for the present as the cost of materials has risen considerably.

**Water Supply.**—With the completion of the Tansa pipe line, the City as a whole is now provided with an adequate supply of water from the Tansa Lake. The whole supply is chlorinated throughout the year. No provision of any kind is made for filtration. The supply of filtered water to the City would no doubt be very costly initially and in maintenance but the first City in India should expect a supply of more wholesome, safer and refined water as would be obtained by filtration. The Corporation will have to take up this question seriously. The need of filtration is felt more acutely when the supply becomes muddy due to heavy rains and remains so for a few days.

**Drainage.**—The work of providing sewerage in the North of the Island is now nearing completion.

## HOUSING.

**Insanitary Dwellings.**—The routine inspection of dwellings and premises presenting or likely to present sanitary defects has been systematised under a scheme whereby each one of the 50 Medical Assistants and 17 Medical Inspectors is required to devote not less than one afternoon a week to the inspection of houses in streets or areas definitely allotted for the purpose by the Assistant Health Officer. The scheme aims at the inspection of not less than 5 houses per week by each member of the inspectorial staff or 17,500 houses in all in the year. Were inspection the single object in view, this number could be doubled or trebled. Since, however, the primary inspections are only a first step in securing the elimination of the sanitary defects discovered, their number is strictly limited to the number of secondary visits which the enforcement of the requirements of the Department entails.

During the year, one hundred and forty-five insanitary dwellings were evacuated and 147 huts were demolished and 434 rooms were improved.

**Sanitary Inspection.**—In Table 16(Appendix) will be found a summary of the inspections (1,83,536) made by the Medical Inspectors and Medical Assistants during the year and of the sanitary works (17,808) carried out in response to the actions initiated by them.

**Scheme for Clearance of Slum Areas in the City.**—There are still many slum areas in the City which require prompt and immediate attention for their improvement.

**Milch Cattle Stables.**—The insanitary conditions caused by the existence of milch cattle stables in the heart of the City have been explained in the Report of 1939 and it is desirable that a suitable scheme for removing these stables from the City should be undertaken as early as possible.

## POOR BOX CHARITY COLLECTION.

## Statement of Receipts and Disbursements upto 31st March 1943.

Ward	Balance on 1-4-1942.	Credits during 1942-43.	Total Receipts.	Debit.	Outstanding Balance on 31-3-1943.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A & B ...	1,828 8 9	465 8 6	2,294 1 3	29 9 0	2,264 8 3
C & D ...	1,115 0 3	460 5 3	1,575 5 6	47 6 0	1,527 15 6
E ...	2,653 15 10	1,272 14 3	3,926 14 1	181 0 0	3,745 14 1
F & G ...	2,783 15 0	936 12 9	3,720 11 9	22 10 0	3,698 1 9
Total ...	8,381 7 10	3,135 8 9	11,517 0 7	280 9 0	11,236 7 7

\* Note.—The above figures are exclusive of adjusting entries yet to be booked in the accounts for 1942-43 through journal Entry.

PUBLIC HEALTH DEPARTMENT,  
MUNICIPAL OFFICES,  
BOMBAY, 10th June 1943. }

B. C. DASGUPTA,  
B.SC. (Hons.), M.B., M.R.C.P., D.T.M.&H., D.P.H.,  
Executive Health Officer.

**ANNUAL REPORT FOR THE YEAR 1942.**  
**REPORT OF THE CITY FEVER HOSPITALS, ARTHUR ROAD FOR**  
**THE YEAR 1942.**

I have the honour to submit the Annual Report of the City Fever Hospitals Arthur Road, Bombay, for the year 1942.

The permanent Medical and Nursing staff of the hospital consists of the Medical Superintendent, two Medical Assistants, one Matron, two Sisters, four Nurses, three Probationers and a Compounder. In addition to these, necessary temporary staff on epidemic establishment as and when required having regard to the increase in the number of patients, was maintained throughout the year.

The maximum staff was maintained in the month of March 1942 and it comprised 10 Medical Assistants, 3 Sisters, 28 Nurses, 1 Clerk, 1 Telephone Clerk, 3 Compounders, 43 Ward Attendants, 50 Sweepers, 9 Hamals, 7 Dhobies, 7 Cooks, 3 Ambulance Bearers and 1 Butler.

It will be seen from Table No. 1 and especially from Table No. 1A that almost throughout the year the daily number of patients in the wards was over 150, the average number being 237 per day during the year and the highest average figure being 560 in March. Therefore a permanent staff adequate for the regular treatment of 150 patients is, considered necessary since the last five years, the reorganisation scheme for which is under consideration of the Municipal Commissioner and the Corporation.

#### PROBATIONER NURSES.

The arrangement of sending 3 nurses from the K. E. M. Hospital to this hospital every two months was continued during the year under report. During the heavy epidemic admissions of small-pox cases, I had to request the Dean, K.E.M. Hospital, for an additional number of three probationers to cope with the increased nursing management of cases for want of availability of qualified nurses and my thanks are due to him for his ready and ungrudging response.

#### ADMISSIONS.

The total number of admissions during the year was 5,589 as compared with 5,672 in the previous year. The number of patients admitted in this hospital has been steadily increasing from year to year, particularly as it is being utilised not only for epidemic diseases but also for endemic infectious diseases in increasing proportion. This hospital which in the first half of its existence showed increased admissions at intervals due to less number of patients with endemic diseases during the inter-epidemic periods, has now assumed the character of the well established City Fever Hospitals.

It is very necessary that the proposed re-organisation scheme providing adequate staff for medical and nursing care of acute cases should receive the sanction of the Corporation early as with constantly increasing number of patients, a temporary and inadequate staff for any length of time cannot be expected to render satisfactory and efficient medical relief.

#### ACCOMMODATION.

The hospital accommodation at present consists of:—

Small-pox Unit:—	Beds.
Wards Nos. 1, 2, 3 with 19 beds each	... 57
Wards Nos. 4, 5, 6 with 25 beds each	... 75
Wards Nos. 7, 8 with 14 beds each	... 28
Wards Nos. 14, 16 with 36 beds each	... 72
	232

Out of the 10 abovementioned wards, three with 25 beds each and three with 19 beds each of this unit, having a total accommodation of 132 beds, are in a dilapidated condition and cannot be utilized in normal times even after a fair amount of repairs at great cost. The number of beds actually available in this unit is, therefore, 100 only. Proposals for gradual reconstruction of the dilapidated wards mentioned in my last report have been included by the Municipal Commissioner in his 7 years' programme of Loan Works but the work is required to be temporarily withheld due to present war conditions.

Out of wards Nos. 7 and 8 with 14 beds each, ward No. 7 has been improvised for use as a Lecture Hall for students undergoing instructions in infectious diseases and ward No. 8 is being reconstructed to serve as a Yellow Fever ward.

The General Unit for Infectious Diseases other than Small-pox consists of —

Wards Nos. 9, 10, 11, 12 with 14 beds each	... 56
Wards Nos. 13 and 15 with 36 beds each	... 72

128

Beds in the Small-pox Unit.

232

Grand Total ... 360

Accommodation as will be seen from the above is inadequate and sometimes during epidemics patients have to be accommodated not only in the wards that are dilapidated but also in the verandahs causing much difficulty and inconvenience to both the staff and the patients. The Wards Nos. 1 to 6 were named after Dr. Sir Nusservanji H. Choksi, during the year under report (*vide* Corporation Resolution No. 931, dated the 2nd February 1942).

#### The quarters for the staff of the hospital.

Funds for the extension of the Nurses' quarters were provided for in the budget for the year 1942-43 but the construction work could not be undertaken for want of materials owing to war conditions. Shortage of living accommodation is however acutely felt by the nursing staff who have to be accommodated at present in the rooms and verandahs of the old nurses' quarters causing overcrowding in some cases. They are also required to be accommodated in the disinfection room and in the Matron's office for a few months every year when additional temporary staff is taken on owing to a high increase in the number of patients admitted.

TABLE NO. I.

Table showing admissions during the year under report :—

	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diphtheria.	C. S. Fever.	Erysipelas.	Influenza.	Encephalitis.	Whooping cough.	Enteric Fever.	B. Dysentery.	A. Dysentery.	Cholera.	Other diseases.	Total.	Deaths.	Discharged.	Daily average number of patients.
January	135	85	21	20	34	8	1	16	2	1	16	16	2	...	140	495	44	451	199
February	251	173	27	43	33	3	...	22	2	10	10	10	...	...	222	783	75	708	381
March	556	271	47	17	29	6	...	16	2	8	11	9	...	...	210	1,187	104	1,083	560
April	186	40	24	12	15	2	...	22	...	25	6	6	...	...	66	325	81	314	433
May	33	17	21	16	11	5	...	13	...	11	2	17	...	...	84	274	38	236	238
June	11	11	4	11	13	4	...	20	...	2	43	28	...	...	19	270	38	232	166
July	2	2	1	9	26	9	...	17	...	1	82	55	...	...	155	365	21	344	156
August	3	3	2	10	26	3	...	41	...	2	108	93	...	...	138	439	38	401	169
September	5	5	3	7	26	3	...	36	...	...	70	55	...	...	142	350	33	312	167
October	3	5	6	7	19	3	...	41	...	...	75	28	...	...	156	385	31	354	159
November	2	11	2	4	18	5	...	23	...	...	69	30	...	...	138	310	26	284	137
December	2	48	4	2	28	4	...	22	...	1	44	18	...	...	133	306	31	275	132
Total	1182	671	162	158	278	55	5	275	15	28	595	367	25	...	1,743	5,559	565	4,994	237

IA. Statement showing the average number of admissions during 1925-29 and 1938-42 :—

Years.	1925.	1926.	1927.	1928.	1929.	1938.	1939.	1940.	1941.	1942.
Daily average...	27	23	34	32	57	214	137	217	233	237
Total	50			123				1,038		
Average	25			41				207		

During the year under report, the daily average number of patients was 237. The maximum monthly average was 560 in the month of March. Annual admissions were 5,559. The highest number of patients on one day was 736 (Table II) on 22nd March 1942, as a result of combing out of Small-pox cases in the sections by the staff of the Health Department and removal of these concealed cases to the Hospital.

TABLE NO. II.

	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diphtheria.	Cholera.	C. S. Fever.	Erysipelas.	Influenza.	B. Dysentery.	A. Dysentery.	Whooping Cough.	Enteric Fever.	Other diseases.	Total.
Patients remaining on 31-12-1941	21	9	6	6	30	...	...	...	...	2	...	...	33	61	168
Admitted from 1-1-42 to 31-12-1942	1,182	671	162	158	278	...	55	5	275	367	25	28	595	1,758	5,559
Total treated	1,203	680	168	164	308	...	55	5	275	369	25	28	628	1,819	5,727
Discharged	972	648	161	163	243	...	30	3	275	347	23	28	471	1,655	5,019
Died	229	...	3	...	45	...	21	2	...	9	2	...	108	155	574
Case Mortality rate Percent.	19.0	...	1.7	...	14.6	...	38.1	40.0	...	2.8	8.0	...	17.2	8.4	10.0
Patients remaining on 31-12-1942	2	32	4	1	20	...	4	...	...	13	...	...	49	9	134
Minimum number of beds occupied on one day													On 22nd March 1942	Nos. of Beds.	736

N.B.—As compared to the previous year, the case mortality rates of the different diseases were much lower in 1942.

TABLE NO. III.

Cost.—The average weekly cost per patient compared with three previous years is as follows :—

PARTICULARS.	1939	1940	1941	1942
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Medicines	2 13 6	2 3 0	2 2 5	2 15 3
Diets	3 10 11	3 15 7	3 13 10	4 7 9
Clothing	0 8 2	0 11 8	0 13 5	0 11 1
Disinfectants	0 1 9	0 1 2	0 1 9	0 2 4
Stores	0 9 0	0 9 11	0 14 0	0 7 0
Total per week	7 11 4	7 9 4	7 13 5	8 11 5
Total number of Patients treated	4,381	5,002	5,672	5,559

TABLE NO. IV.

The details of the total cost per patient per day for the year 1942 will be seen from the following table :—

Year.	Diet.	Drugs, Dressings, etc.	Stores and linen.	Lighting.	Miscella- neous.	Establi- shments.	Repairs, etc.	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.
1942	0 10 3	0 6 9	0 2 7	0 0 7	0 0 8	1 5 8	0 2 5	2 12 9

### Small-pox.

**Epidemiology.**—Small-pox which has been endemic in Bombay made its appearance in November 1941 and was prevalent in an epidemic form from 8-3-42 to 18-4-42. Patients were admitted in the first half of the year in large numbers into this hospital. The highest number of admissions was in the month of March.

**Age.**—Persons in the age groups of 16-30 years showed remarkably high incidence of the disease and the highest number of patients was admitted in the age group of 21-25, as will be observed from the following table :—

TABLE NO. V.

(Including Vaccinal Condition of Patients). Age Incidence in Small-pox.

	VACCINATED ADMISSIONS.				UNVACCINATED ADMISSIONS.			
	Total.	Cured.	Deaths.	Mortality.	Total.	Cured.	Deaths.	Mortality.
Under 1 year	9	6	3	33.3%	44	20	24	54.5%
1 Year	10	8	2	20.0%	21	8	13	61.9%
2 years	12	10	2	16.6%	11	7	4	36.3%
3 "	8	5	3	37.5%	11	6	5	45.4%
4 "	12	11	1	8.3%	6	4	2	33.3%
5 "	5	5	...	...	7	7	...	...
6 "	6	6	...	...	8	5	3	37.5%
7 "	8	6	2	25.0%	3	3	...	...
8 "	9	9	...	...	4	4	...	...
9 "	6	5	1	16.6%	5	5	...	...
10 "	11	8	3	27.2%	4	4	...	...
11 "	6	6	...	...	2	2	...	...
12 "	14	14	...	...	3	3	...	...
13 "	4	4	...	...	5	4	1	20.0%
14 "	10	10	...	...	3	2	1	33.3%
15 "	13	9	4	30.7%	9	6	3	33.3%
16-20 Years	198	187	11	5.5%	118	97	21	17.7%
21-25 "	212	191	21	9.9%	120	90	30	25.0%
26-30 "	97	83	14	14.4%	58	35	23	39.7%
31-35 "	36	27	9	25.0%	15	10	5	33.3%
36-40 "	10	7	3	30.0%	9	5	4	44.4%
41-50 "	13	11	2	15.3%	2	...	2	100.0%
51-60 "	2	1	1	50.0%	1	...	1	100.0%
61-70 "	...	...	...	...	2	1	1	50.0%
All ages	711	629	82	11.5%	471	328	143	30.31%

Out of the deaths in the vaccinated cases, 19 cases gave history of revaccination and in 3 cases the revaccination was performed in the incubation period of the disease. This table also indicates that the mortality amongst the vaccinated cases is considerably lower than amongst the unvaccinated ones showing the beneficial effect of vaccination.

**Mortality.**—There were 1,182 cases of small-pox admitted into the hospital and the total number of deaths was 225. Thus, the mortality rate was 19.0 per cent., Out of 225 deaths, 24 occurred in those cases that were admitted in the very late stage or serious condition and these deaths occurred within 48 hours of admission. Thus excluding these figures, the mortality rate of the disease comes to 17.0 per cent.

Investigation into the therapeutic effects of Sulphanilamide drugs in Small-pox :—

- (1) Total mortality was reduced more in the vaccinated and most in the confluent variety.
- (2) Toxaemia was reduced in a majority of cases.
- (3) Incidence of Septic complications was less.
- (4) Rash was aborted when the drug was given in early stages.
- (5) Incidence of secondary fever was reduced.
- (6) Scars were superficial and papery.
- (7) Convalescence period was shortened.

### Diphtheria.

**Epidemiology.**—The disease has been endemic in Bombay and the highest number of cases was admitted this year in the month of January.

There were 278 admissions as compared with 252 in the year 1941. 234 patients recovered after treatment and 44 died. Out of 44 deaths, 24 occurred among patients who were brought in a moribund condition in a very late stage of the disease associated with severe toxæmia and they died within 48 hours of their admission in the hospital. Excluding these deaths, the percentage of mortality (254 patients) comes to 7.8 (See Table.No.VI.)

**Diagnosis.**—All patients were examined bacteriologically and all gave positive cultures on Löffler's medium (except 9 cases of Laryngeal diphtheria and 3 cases of Nasal Diphtheria).

The following table compares the number of cases and their mortality percentage during the last six years.

TABLE NO. VI.

Years.	Admissions.	Deaths.	Recovered.	Mortality percentage.	Mortality percentage excluding moribund cases which died within 48 hours.
1937	127	48	79	38.0	Figures not available.
1938	205	53	155	25.0	Do.
1939	191	54	137	17.9	Do.
1940	221	69	152	31.0	16.
1941	251	63	188	25.1	8.7
1942	278	44	234	15.7	7.8

**Operations.**—The total number of tracheotomy cases was 8. One case was already operated upon for tracheotomy at the Wadia Children Hospital and sent to this hospital for further treatment. This patient died on the 2nd day after admission due to Broncho-pneumonia. Out of 8 cases that were operated at this hospital, 1 survived and the remaining 7 died giving a mortality rate of 87.5 per cent.

Operations (Tracheotomy) carried out at this hospital during the last 6 years were as under:—

TABLE NO. VII.

Years.	Total.	Cured.	Died.	Mortality percentage.
1937	3	1	2	66
1938	8	3	5	62
1939	3	0	3	100
1940	14	7	7	50
1941	13	7	6	46
1942	8	1	7	87.5

### ENTERIC FEVER.

**Epidemiology.**—Enteric Fever has been endemic in Bombay for about ten years and the number of admissions of patients with this disease was the highest in the year under report.

There were 595 cases of Enteric Fever admitted into this hospital during the year, the highest admissions being during the month of August.

**Age:**—The lowest age of the patient with Enteric Fever was 2 years, while the highest was 60 years. The maximum number of cases occurred in the age group of the second and third decades.

History of previous T. A. B. inoculation was available in 41 cases. The onset of the disease was seen within 15 days of the inoculation in 9 cases, and out of these 7 cases expired. Those enteric cases which had the history of being inoculated within the incubation period of 15 days showed evidently a high mortality rate of 78.6. The rest of these cases did not show any severity in the course of the disease.

There were 19 cases with meningeal symptoms.

27 cases had relapses during the course of the disease.

**Diagnosis.**—Apart from clinical features, diagnosis was confirmed by laboratory tests, viz. blood counts, Widal reaction etc. Widal test was found positive for B. Typhosus in dilution of 1 in 120 or above with H & O suspension in 424 cases.

**Mortality.**—There were 595 cases in all admitted into the hospital with 104 deaths among them, out of which 12 died within 48 hours of their admission. Excluding these moribund cases the mortality among treated cases was 15.8 per cent.

TABLE NO. VIII.

Table of admissions and mortality rate during the last 6 years.

Years.	Admissions.	Mortality rate P. C.
1937	106	29.0
1938	235	20.0
1939	202	15.0
1940	184	24.0
1941	360	26.2
1942	595	17.4

### MENINGOCOCCAL MENINGITIS.

**Epidemiology.**—The disease is sporadic in Bombay. 55 cases of Meningococcal Meningitis were admitted into this hospital during the year under report. The highest incidence of the disease was in the month of July.



The incidence of the disease was more amongst males and in the early period of life. The youngest patient admitted was a female child of 3 months and the oldest one was of a male of 55 years of age.

Out of the 55 cases 13 were admitted in the very late stage of the disease in a moribund condition. The diagnosis of the cases was established by examination of their C. S. Fluid for the cell count and for organisms from smears and by cultural growths. The C. S. Fluid was found hazy in 18 cases (32.7 per cent.), turbid in 21 cases (38.1 per cent.) and purulent in 16 cases (29.09 per cent.).

The meningococci were found in the smears of 52 cases (94.5 per cent.), and amongst 18 cases (32.7 per cent.) out of these they were predominantly extra cellular. The mortality in the latter cases was 66.6 per cent. and that in the other cases was 24.3 per cent.

With chemotherapy it was observed that the turbid C.S. Fluid becomes hazy after 4-5 days and subsequently clears up within 5 to 8 days of the commencement of the treatment. The organism disappeared within 18-22 hours from C.S. Fluid under chemotherapy.

The cases that recovered by chemotherapy showed a drop in the temperature to the normal level within the first 24-26 hours of treatment. The comatose patients became semi-conscious within the first 36 hours and subsequently conscious after the following 12-24 hours of treatment.

The rigidity of neck was not seen after about 8 to 10 days and the Kernig's sign was seen to disappear after about 12-15 days of treatment.

With the exclusion of 13 moribund cases which expired within 48 hours of their admission into the hospital, the rate of mortality amongst cases of meningococcal meningitis was 19.05 per cent. The organisms were extra cellular in 76.9 per cent. cases amongst the 13 moribund cases.

#### MEASLES.

There were 162 cases with 3 deaths, giving a mortality rate of 1.8 per cent.

#### MUMPS.

158 Cases of Mumps were admitted. The admissions of cases with this disease were high in the months of January, February and March. Out of the total cases, 101 were adults; out of which 21 patients developed orchitis and one developed encephalitis. The blood examination on an average showed a relative increase of mononuclear leucocytes but the total leucocyte count was slightly below normal. There was no death. All the cases were discharged as cured.

#### CHICKEN-POX.

671 cases of Chicken-pox were admitted into this hospital in the year under report and all were discharged as cured. The admission of patients suffering from this infection had to be restricted for a short period, in order to accommodate a heavy rush of small-pox cases.

#### SCARLET FEVER.

One case of Scarlet Fever was admitted into this hospital in the month of November. The case was discharged as cured.

#### FEVER WITH JAUNDICE.

11 cases of fever with Jaundice were admitted during the year. Bacteriological and Serological tests were carried out by the Haffkine Institute in their Leptospiral Inquiry Department as we have no proper expert Laboratory staff for the same. Two cases were definitely found to be those of Spirochaetosis. These cases recovered. My thanks are due to the Director, Haffkine Institute, for the help given by him.

#### TYPHUS FEVER.

2 cases of Typhus Fever were admitted in the year under report, one in the month of November and the other in the month of December. The diagnosis was confirmed by the agglutination and animal inoculation tests carried at the Haffkine Institute for the reason mentioned above. Both the cases recovered.

#### PLAGUE.

One case of Plague was admitted during the month of August, which showed the organism in blood by cultural examination. The case recovered. This was a case of accidental inoculation in the laboratory at the Haffkine Institute.

#### Bacteriological and Pathological Examinations.

The following table shows the number of bacteriological examinations made at the City Fever Hospital. (These were done by Medical Assistants with the help of a Laboratory assistant). The proper laboratory staff, to give expert assistance in the diagnosis of the various infectious diseases and for gauging the response to treatment, is under consideration (Reorganisation scheme) of the Municipal Commissioner and the Corporation.

TABLE No. IX.

1. Blood films for parasites, differential counts and blood pictures	...	1,504
2. Blood Cultures	... ..	13
3. Blood for Widal Tests	... ..	732
4. Blood for Kahn's tests	... ..	31
5. Material from buboes, ulcers and abscesses sternal punctures etc. for microscopic and cultural examinations	... ..	18
6. Sputum for organisms	... ..	523
7. Stools for detection of Amoebae, Cysts, Ova Bacilli, Vibrios and for cultural investigations	... ..	656
8. Urine examinations by routine, chemical microscopic and cultural methods	... ..	1,484
9. Cerebrospinal fluid for microscopic and cultural examinations	... ..	227
10. Throat swabs for smears and cultures of B. diphtheria	... ..	1,402
11. Van den Berg Test	... ..	15
12. Blood grouping and matching	... ..	3
Total	... ..	6,608

39 samples of blood, 11 of stools, 18 of C.S. Fluid and 3 of Throat Swabs were sent to the Haffkine Institute for examination. My thanks are due to the Director and the staff of the Haffkine Institute for their help in assisting us with expert opinions.

The necessity of appointing a Bacteriologist and Pathologist, along with a trained laboratory staff, to direct and supervise laboratory methods of investigations and animal experiments is greatly felt at this hospital wherein there are large admissions of cases with different kinds of infectious fever and diseases. Proposals for the same have been already submitted in the Re-organization Scheme, which is under consideration.

#### CITY FEVER HOSPITAL'S EMPLOYEES' CO-OPERATIVE CREDIT SOCIETY.

The City Fever Hospital's Co-operative Credit Society has been working satisfactorily. The share capital of the society which was Rs. 923-8-0 last year has increased to Rs. 2,188 by the end of one year on 30th June 1942, out of which Rs. 1,264-8-0 were collected by way of monthly subscriptions, while Rs. 191-8-0 were refunded to the members who resigned or whose services were terminated on the temporary unit staff. The total membership was reduced from 108 to 92 by the end of June 1942. 2 members joined the society and 18 left during the same period. The decrease in the membership was due to the termination of services of these members from the staff of the Hospitals.

The income of the Society amounted to Rs. 103-4-0, out of which Rs. 88-4-0 were spent for the initial expenses of the society, e.g., printing, stationery, etc.

#### NURSES' WELFARE FUND.

Inauguration of Nurses' Welfare Fund for promoting the welfare of the Nursing staff of these hospitals was under consideration during the year under report and the following donations have been received for the same. I offer my sincere thanks to the donors on behalf of the nursing staff. Until the Municipal Commissioner's sanction for the Nurses' Welfare Fund is obtained, the above donations have been credited to the Poor Box Fund :—

					Rs.	
(1) Shaw Wallace & Co.	...	...	...	...	50	(1941)
(2) Mr. A. V. Vengsarkar	...	...	...	...	10	(1942)

#### POOR BOX—CHARITY FUND.

The following statement shows the collections made from time to time and the expenditure incurred upto 31st December, 1942.

#### Statement of accounts.

Receipts.				Expenditure.			
		Rs.	a. p.			Rs.	a. p.
	Balance ...	2,662	3 0	News paper for patients	...	142	12 6
<i>Donations—</i>				<i>Purchases for Patients—</i>			
Mr. F. J. Kothari	...	15	0 0	<i>Comforts, etc.—</i>			
Mr. Govindji S. Kotak	...	10	12 0	1. Flexo-angle Sollux Lamp	...	115	0 0
Mr. Natwarlal M. Shah	...	15	0 0	2. Trolleys and wheeled Chairs	...	801	8 0
Mr. M. R. Khandwalla	...	11	0 0	3. Cupboard for books	...	59	8 0
Mr. D. X. Berger	...	10	0 0	4. Newspapers Stands	...	288	0 0
Mr. D. J. Gracious	...	10	0 0	<i>Sweets, Decorations, etc.—</i>			
Miss Sheila Quien	...	10	0 0	X'Mas function (1941)	...	100	0 0
Mr. J. C. Nimbkar	...	20	0 0	Diwali Function (1942)	...	142	12 0
Mr. H. A. Kingdon	...	10	0 0	Advanced to the City Fever Hospitals			
Mr. A. V. Vengsarkar	...	*15	0 0	Co-operative Credit Society	...	966	0 0
Mr. Dhanji Ardeshir Khodaiji	...	10	0 0	Balance on 31-12-1942	...	1,059	7 6
Prof. S. B. Vahidy	...	12	0 0				
Mr. Hussain Chagla	...	25	0 0				
Mr. D. E. Pareira	...	10	0 0				
Collection from the boxes	...	829	1 0				
<b>Total</b>	...	<b>3,675</b>	<b>0 0</b>	<b>Total</b>	...	<b>3,675</b>	<b>0 0</b>

\* Rs. 10 for Nurses Welfare Fund and Rs. 5. For Servants' Welfare Fund.

S. G. VENGSARKAR, M.D., F.C.P.S.,  
Medical Superintendent, City Fever Hospital.

#### MARATHA TUBERCULOSIS HOSPITAL.

#### ANNUAL REPORT 1942.

I was in charge of this Hospital throughout the year.

**Accommodation.**—There are five wards, each accommodating sixteen patients. Owing to a very heavy demand from the local hospitals and the public for admission, the admissions had to be increased many a time by putting extra beds in some of the wards and some cases had to be refused admission for want of accommodation.

The total number of admissions during the year was 890 as against 930 in 1941. The daily average number of patients was 81.5, which was more than that in the last year by 2.

**Cost.**—The average weekly cost per patient (indoor) was Rs. 6-4-3½ in the year 1942 as compared with Rs. 5-11-9 and Rs. 5-0-7½ in the years 1941 and 1940 respectively.

Out of 890 patients admitted, 884 were suffering from tuberculosis and 6 from other diseases. The particulars are given below :—

Particulars.	Number.
Patients remained on 1st January 1942	81
Patients admitted during the year for Tuberculosis	884
" " " " " " other diseases	6
Patients relieved	60
Patients discharged at request or otherwise	358
Patients died	470
Patients remaining on 1st January 1943	83
Mortality per cent	48.4
" " " in T. B. Cases	48.7

**X-Ray Examination.**—Skiagrams were taken in 263 cases at the Turner Dispensary at Princess Street and screening was performed in 131 cases.

**Collapse (Relaxation) Therapy of Lungs.**—Artificial Pneumothorax was induced in 28 cases and the total number of refills was 324.

Operative Treatment by Phrenic Evulsion was carried out in 13 cases. No cases were referred to the J. J. Hospital for Theracoplasty during the year under report.

**Out Patients Dispensary.**—2,042 cases were treated at the Out-door Dispensary in the year under review for various diseases as compared with 2,212 in 1941.

**Laboratory Examinations.**—1,402 specimens of sputum and 38 of urine were examined at the Laboratory during the year.

**Poor Box Charity Fund.**—During the year under review, a sum of Rs. 39-6-9 was collected from the Charity Boxes kept in the wards at this Hospital. The annual donation of Rs. 50 was received from the Indian Oxygen and Acetylene Co., Ltd., to whom my thanks are due. Adding to these amounts the previous year's balance of Rs. 188-10-0, the total receipts were Rs. 277-0-9. Out of this amount a sum of Rs. 60 was spent during the Diwali Holidays, Rs. 50 during the X'mas Holidays for distribution of sweets to the patients, decoration, etc., and Rs. 16-11-0 for the purchase of patent or costly medicines for the use of poor patients at this Hospital, leaving a balance of Rs. 151-5-9.

Maratha Hospital  
Cannaught Road,  
Bombay No. 27

S. G. VENGSARKAR,  
M.D., F.C.P.S.,  
Medical Superintendent,  
Maratha Hospital.

#### REPORT OF WORK DONE IN THE MUNICIPAL LABORATORY DURING THE YEAR ENDING 31st DECEMBER 1942.

The total number of samples examined during the period under report was 28,587 (including Malaria Slides) as compared with 20,398 samples in the year 1941, thus exceeding the average number by 7,854 during the last quinquennium and by 11,218 during the decennium. Of the above, 23,161 samples were examined chemically and 5,426 bacteriologically, as against 16,180 and 4,218 respectively in 1941.

#### CHEMICAL.

Out of 23,161 samples examined chemically, 15,129 were of foodstuffs, 7,325 of water, 618 of urine and 89 of miscellaneous nature.

#### FOOD-STUFFS

Nature of the samples.	Municipal and Statutory.	Private.	Total.
Milk	9,971	199	10,170
Ghee	1,649	81	1,730
Butter	1,515	26	1,541
Vegetable Product	779	...	779
Margarine	65	...	65
Tea and Tea Dust	438	5	443
Coffee	5	...	5
Flours	179	...	179
Turmeric	79	...	79
Curds	16	...	16
Aerated Waters	10	...	10
Lozenges	6	...	6
Skimmed Milk Powder	5	...	5
Curry Powders and Spices	5	...	5
Prepared Tea	3	...	3
Ice-Creams	2	...	2
Peppermints	2	...	2
Palm-O-Line	2	...	2
Cloves	2	...	2
Oils	9	...	9
Other Food Stuff	58	...	58
Spurious Tea	...	...	...
Fruit Juice	...	4	4
Sugar	4	...	4
Cooking Sauce	2	...	2
Miscellaneous	6	2	8
<b>Total</b>	<b>14,812</b>	<b>317</b>	<b>15,129</b>

The results of all these samples of food-stuffs except those of other food-stuffs have been shown in Statement No. 2:—

### OTHER FOOD-STUFFS.

76 samples of other food-stuffs were received as under :—

Nature of the samples.		Total.	Remarks.	
Spurious Tea	...	58	Unfit for human consumption.	
Fruit Juice	...	4	Two were found to be unfit for human consumption.	
Sugar	...	4	In two samples, the presence of Crude Oil was detected.	
Cooking Sauce	...	2	Fit for human consumption.	
Miscellaneous	{ Cream	...	1	Genuine.
	{ Fat	...	1	Genuine.
	{ Saffron	...	1	Genuine.
	{ Ghee Substitute	...	1	Does not resemble ghee.
	{ Starch	...	1	Genuine.
	{ Honey	...	1	Not Genuine.
	{ Rice	...	2	Only one was unfit for human consumption.
Total		...	76	

### WATERS.

7,325 samples of water were examined as under :—  
 192 from Public Supply,  
 7,028 from Wells and  
 105 from other sources.

Total ... 7,325

### SAMPLES OF URINE.

618 samples of Urine were examined chemically, out of which 212 were sent by private individuals and 406 by the Municipal Authorities.

### MISCELLANEOUS.

89 samples of miscellaneous nature were received as under :—

Nature of the sample.	Total.	Remarks.	
Inks	...	47	
Chemicals	...	25	Four samples of lime were found to be below the standard.
Other Oils	...	10	
White Powder	...	2	
White Japan	...	1	
Black Japan	...	1	
Starch Amylum	...	1	
Spirit Wine Gallic	...	1	
White Paint	...	1	
Total	...	89	

### BACTERIOLOGICAL

5,426 samples were examined bacteriologically, including 2,036 slides for the detection of Malaria Parasites.

### WATERS.

414 samples of water were examined as under :—  
 234 from Public Supply,  
 13 .. wells and  
 167 .. Other Sources.

Total 414

### MILK FOR BACTERIOLOGICAL EXAMINATION.

425 samples of milk were examined for the bacteriological standard. All the samples were, on examination, found to be below the standard except 4 from the Inspectors under the Assistant Health Officers and 1 from private individual.

## DISINFECTANTS.

10 samples of disinfectants were examined to determine the Rideal Walker Co-efficient.

## SAMPLES FOR DIAGNOSTIC PURPOSES.

Nature of the samples.	Total.	SPECIFIC ORGANISM.		
		Positive.	Negative.	
Blood for Malaria ...	2,036	355	1,681	7
Blood for Differential Counts ...	7	...	...	
Sputum for T. B. ...	1,323	273	1,050	
Swabs for Diphtheria ...	941	...	941	
Urine for Gonococci ...	6	...	6	
Stool for Ova ...	3	...	3	
Smear for Gonococci ...	2	...	2	
Milk for B. Typhoid ...	2	...	2	
Urine for B. Typhoid ...	1	...	1	
Smear for Kala Azar ...	1	...	1	
Stool for Amoebae ...	1	...	1	
Total ...	4,323	628	3,688	7

## MISCELLANEOUS.

Vaccine ...	237
Pork Meat ...	10
Sugar Cane Juice ...	3
Pasteurized Milk ...	1
Biscuits ...	1
Insects ...	1
Ice ...	1
Total ...	254

J. H. DOCTOR,  
M.B., B.S., B.Hy.,  
*Municipal Analyst.*





**STATEMENT No. 3.**

*Statement of samples examined bacteriologically during the year ending 31st December 1942.*

Received from	WATERS.			Blood for malaria.	Sputum for T. B.	Swabs for Diphtheria.	Blood for Differential counts.	Urine for Gonococci.	Stool for ova.	Smear for Gonococci.	Milk for B. Typhoid.	Urine for B. Typhoid.	Smear for Kala Azar.	Smear for Amoebae.	Milk for bacteriological Examination.	Disinfectants.	Vaccine	Pork meat.	Sugar cane juice.	Miscellaneous.	Total.
	Bombay	Well.	Other.																		
The Executive Health Officer	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
The Hydraulic Engineer	162	3	93	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	258
The Inspectors from A and B Wards	...	...	6	...	...	...	...	...	...	...	...	...	...	...	78	...	...	...	...	...	84
Do. C and D Wards	...	6	13	...	...	...	...	...	...	...	1	...	...	...	152	...	...	...	...	3	175
Do. E Ward	...	1	5	...	...	...	...	...	...	...	...	...	...	...	74	...	...	...	...	...	80
Do. F and G Wards	...	1	...	...	...	...	...	...	...	...	...	...	...	...	110	...	...	...	3	...	114
The Superintendent of Vaccination	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	237	...	...	...	237
The Veterinary Inspector on Milk duty	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	9
The Controller of Stores	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	...	...	...	8
Private Parties	...	2	35	3	220	1	1	4	2	1	...	...	...	1	1	2	...	10	...	...	283
The other Municipal Authorities	72	...	14	2,033	1,103	940	6	2	1	1	...	1	1	...	1	...	...	...	...	1	4,176
<b>Total</b>	<b>234</b>	<b>13</b>	<b>167</b>	<b>2,036</b>	<b>1,323</b>	<b>941</b>	<b>7</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>425</b>	<b>10</b>	<b>237</b>	<b>10</b>	<b>3</b>	<b>4</b>	<b>5,426</b>

J. H. DOCTOR,  
Municipal Analyst.



STATEMENT No. 4.

Statement of Results of Bombay waters examined chemically for the year ending 31st December 1942.

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 Lake Water :-</i>																									
Total Solids ... ..	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
Chlorine ... ..	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Free Ammonia ... ..	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	0.001	0.001	Nil.	
Albuminoid Ammonia ... ..	0.006	0.007	0.006	0.006	0.006	0.006	0.007	0.009	0.008	0.008	0.009	0.009	0.006	0.005	0.007	0.007	0.007	0.006	0.006	0.004	0.006	0.006	0.004	0.005	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.049	0.054	0.053	0.042	0.046	0.048	0.050	0.056	0.052	0.048	0.042	0.048	0.038	0.036	0.038	0.036	0.038	0.036	0.038	0.030	0.034	0.048	0.032	0.030	
<i>Tansa Water from 57<sup>th</sup> Main at Ston Causeway :-</i>																									
Total Solids ... ..	10.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	1.10	11.0	11.0	
Chlorine ... ..	0.8	0.8	0.9	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9
Free Ammonia ... ..	Nil.	0.002	Nil.	0.002	0.001	Nil.	Nil.	Nil.	0.004	0.005	0.003	0.003	Nil.	0.003	0.004	0.004	0.003	0.005	0.001	0.001	0.001	0.003	0.001	Nil.	
Albuminoid Ammonia ... ..	0.005	0.007	0.006	0.006	0.004	0.006	0.006	0.004	0.007	0.010	0.007	0.009	0.004	0.04	0.005	0.009	0.007	0.008	0.007	0.005	0.006	0.006	0.004	0.004	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.038	0.038	0.030	0.050	0.024	0.030	0.032	0.028	0.076	0.078	0.071	0.074	0.032	0.036	0.038	0.048	0.052	0.062	0.042	0.032	0.034	0.048	0.032	0.028	
<i>Tansa Water from the Malabar Hill Reservoir :-</i>																									
Total Solids ... ..	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
Chlorine ... ..	0.8	0.8	0.8	0.7	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	8.0	0.8	0.8	0.8	0.8	
Free Ammonia ... ..	Nil.	0.002	0.002	0.003	0.001	Nil.	0.001	Nil.	0.001	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.001	0.001	Nil.	0.004	Nil.	
Albuminoid Ammonia ... ..	0.005	0.006	0.006	0.005	0.006	0.006	0.008	0.005	0.006	0.005	0.008	0.007	0.005	0.007	0.004	0.008	0.008	0.004	0.004	0.004	0.006	0.006	0.006	0.006	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.040	0.035	0.039	0.037	0.038	0.040	0.053	0.040	0.042	0.040	0.042	0.046	0.040	0.048	0.042	0.052	0.056	0.052	0.038	0.036	0.036	0.042	0.030	0.032	
<i>Tansa Water from the Bhandarwada Reservoir :-</i>																									
Total Solids ... ..	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
Chlorine ... ..	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	
Free Ammonia ... ..	Nil.	0.001	0.001	0.001	Nil.	0.002	Nil.	Nil.	0.001	0.003	Nil.	0.004	0.001	0.003	0.004	0.003	0.004	0.005	0.001	0.001	Nil.	0.009	0.002	Nil.	
Albuminoid Ammonia ... ..	0.005	0.005	0.006	0.008	0.004	0.004	0.004	0.004	0.006	0.006	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.006	0.006	0.004	0.005	0.008	0.006	0.002	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.032	0.029	0.036	0.064	0.036	0.046	0.043	0.042	0.052	0.048	0.040	0.052	0.048	0.052	0.064	0.048	0.046	0.056	0.036	0.030	0.032	0.062	0.036	0.26	

STATEMENT No. 4—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 tap at Gowalia Tank, Fire Brigade Station:—</i>																									
Total Solids ... ..	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
Chlorine ... ..	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8
Free Ammonia ... ..	0.001	Nil.	Nil.	Nil.	Nil.	Nil.	0.003	Nil.	0.001	0.003	Nil.	0.003	0.001	0.001	0.004	0.001	0.001	0.003	Nil.	Nil.	Nil.	0.004	0.001	Nil.	
Albuminoid Ammonia ... ..	0.006	0.006	0.006	0.005	0.008	0.004	0.007	0.006	0.005	0.006	0.006	0.009	0.006	0.004	0.005	0.007	0.006	0.006	0.004	0.003	0.004	0.006	0.005	0.003	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.036	0.027	0.041	0.040	0.050	0.044	0.053	0.050	0.048	0.042	0.041	0.054	0.046	0.042	0.048	0.050	0.040	0.052	0.030	0.028	0.028	0.052	0.030	0.030	
<i>Tansa Water from 45" Main at Bandra Cabin:—</i>																									
Total Solids ... ..	11.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
Chlorine ... ..	0.8	0.8	0.9	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	
Free Ammonia ... ..	Nil.	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.005	0.001	0.004	Nil.	0.003	0.004	0.004	0.003	0.003	0.001	Nil.	0.001	0.004	0.001	Nil.	
Albuminoid Ammonia ... ..	0.004	0.007	0.005	0.005	0.005	0.006	0.004	0.006	0.006	0.009	0.012	0.008	0.012	0.006	0.006	0.007	0.012	0.008	0.006	0.006	0.005	0.006	0.006	0.002	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.037	0.034	0.036	0.042	0.031	0.048	0.044	0.048	0.054	0.050	0.052	0.050	0.078	0.072	0.074	0.076	0.686	0.076	0.056	0.048	0.035	0.052	0.036	0.028	
<i>Tulsi Water from Tulsi Lake:—</i>																									
Total Solids ... ..	13.0	12.0	13.0	13.0	13.0	14.0	14.0	14.0	15.0	14.0	15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	
Chlorine ... ..	1.3	1.3	1.5	1.5	1.5	1.5	1.6	1.6	1.8	1.7	1.8	1.7	1.4	1.5	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	
Free Ammonia ... ..	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	0.001	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	0.001	0.001	0.003	Nil.	0.016	0.016	0.016	Nil.	
Albuminoid Ammonia ... ..	0.011	0.009	0.010	0.013	0.010	0.012	0.020	0.012	0.023	0.013	0.024	0.021	0.010	0.024	0.014	0.017	0.007	0.012	0.026	0.018	0.018	0.016	0.019	0.015	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.065	0.097	0.086	0.096	0.065	0.068	0.100	0.070	0.092	0.094	0.107	0.102	0.062	0.104	0.074	0.084	0.064	0.094	0.126	0.106	0.110	0.099	0.104	0.102	
<i>Vihar Lake Water:—</i>																									
Total Solids ... ..	13.0	12.0	13.0	13.0	14.0	15.0	15.0	15.0	16.0	15.0	15.0	15.0	15.0	15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	
Chlorine ... ..	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.5	1.7	1.7	1.7	1.6	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.5	
Free Ammonia ... ..	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	0.001	0.001	Nil.	Nil.	Nil.	0.007	0.003	0.013	Nil.
Albuminoid Ammonia ... ..	0.008	0.014	0.012	0.012	0.016	0.016	0.021	0.017	0.028	0.003	0.034	0.019	0.014	0.012	0.008	0.018	0.007	0.014	0.024	0.017	0.013	0.006	0.022	0.024	
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.063	0.110	0.095	0.090	0.112	0.118	0.121	0.116	0.096	0.118	0.120	0.108	0.098	0.092	0.062	0.092	0.062	0.098	0.096	0.088	0.090	0.043	0.106	0.108	

J. H. DOCTOR,  
Municipal Analyst.

STATEMENT No. 5.

Statement of Bacteriological Analysis of Bombay waters during the year ending 31st December 1942.

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
Tansa water from 32" Vihar Main	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	50	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100	50	100	100
Tansa water from 24" Vihar Main	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Tansa water from Malabar Hill Reservoir.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100	100	100	100
Tansa water from 48" New Tansa Main	c.c.	c.c.	c.c.	c.c.	c.c.		c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in		-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100		100	100	100	100	50	100	100	100	100	100	50	100	100	100	100	100	100	100
Tansa water from 48" Old Tansa Main	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100
Tansa water from Bhandarwada Reservoir.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100	100	100	100

STATEMENT No. 5—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
Tansa water from 57" East Tansa Main ...	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.		c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in		-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100	100	100	100		100	100	100	100	100	100	100	50	100	100	100	100	100	100	100
Tansa water from 57" West Tansa Main ...	c.c.	c.c.		c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in		-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100		100	100	100	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100
Tansa water from the top at Gowalia Tank Fire Brigage Station	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.
	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in
	100	100	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	50	100	100	400	50	100	100
Tulsi water from 24" Tulsi Main at Santa-Cruz ...	c.c.	c.c.		c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.	c.c.				c.c.
	-in	-in		-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	-in	+in		-in
	100	100		100	100	100	100	100	100	100	100	50	100	50	100	100	100	50	100	100	100	5		100

J. H. DOCTOR,  
Municipal Analyst.

**THE ANNUAL REPORT OF THE SUPERINTENDENT OF  
VACCINATION FOR THE YEAR 1942.**

The Vaccination Branch of the City was taken over from Government by the Municipality in 1909 and the practice of calf-to-arm Vaccination was continued. Glycerinated Vaccine was also continued to be prepared and used for performing Vaccination. Since 1st January 1923, the preparation of calf-lymph preserved in glycerine was discontinued and Vaccine prepared at Belgaum was used instead, with the approval of the Corporation (*vide* their Resolution No. 7843, dated the 4th December 1922.) Since the Vaccination Act was brought into force, calf-lymph only has been used for Vaccination.

During the year the Branch was in-charge of Dr. G.G. Limaye from 1-1-42 to 8-2-42 and from 9-3-42 to 23-7-42, Dr. B. D. E. Kothawalla from 17-8-42 to 30-9-42 and myself for the remaining period of the year.

There are in all 24 Public Vaccination Stations in the City; out of these, 22 are open once a week from 8 A.M. to 10-30 A.M. (S.T.); and the remaining two daily (1) at Princess Street for the South of the City, from 8-0 A.M. to 10-30 A.M. (S.T.) and 2-30 P.M. to 5-30 P.M. (S.T.) except on Sundays and Bank Holidays, when it is open from 8 A.M. to 10-30 A.M. (S.T.) only, and (2) at Central Vaccination Depot, Parel, for the North of the City from 7-30 A.M. to 5-30 P.M. (S.T.) except on Sundays and Bank Holidays, when it is open from 7-30 A.M. to 10-30 A.M. (S.T.) only. Besides the above, there are three more stations at the 3 Infant Welfare Centres at Wadi Bunder, Delisle Road and Naigaum, which are kept open for one hour, once a week.

**Vaccine Operation with Results.**—The following statement shows the number of persons primarily vaccinated during the year 1942 and the preceding nine years and the percentage of successful primary operations in each year :—

Year.	PRIMARY VACCINATION.			Number of re-vaccinations.	Total Number of persons vaccinated.
	Number of children vaccinated.	Number successful.	Percentage of successful vaccination to the total Number of vaccination results of which were known.		
1933	33,430	27,428	...	2,43,102	2,76,541
1934	26,203	24,774	...	17,824	44,027
1935	32,729	29,189	...	1,01,531	1,34,260
1936	29,462	27,240	...	61,388	90,850
1937	35,151	32,519	...	71,957	1,07,108
1938	34,714	30,072	...	3,03,365	3,38,079
1939	32,294	29,903	...	38,890	71,184
1940	39,307	35,726	99.56	1,61,588	2,00,895
1941	35,955	31,781	99.66	2,39,201	2,75,156
1942	31,282	26,788	99.54	1,42,836	1,74,118

The fall in the number of primary Vaccinations was due to the exodus of a large number of persons owing to the scare of threatened enemy action.

*Note.*—The percentage of success in previous years is omitted as it shows a ratio to the total number of vaccinations which includes children removed out of the City without their results being ascertained and the ratio which was given in previous years offers no correct idea of the actual rate of all the results in the total number of primary vaccinations.

Out of the children vaccinated primarily, 24,290 were born in the City and 6,992 outside the City as against 25,683 and 10,272 respectively in the previous year.

Small-pox was prevalent in the City in epidemic form during the period from 8th March 1942 to 18th April 1942 and mass vaccination was carried out at different places throughout the City as a precautionary measure against the spread of small-pox.

**(2) The Result of Vaccination (Primary) by Ages.**—The following table represents the results of primary vaccinations by ages :—

Results.	Under 1 year.	1-6 years.	6 years and upwards.	Total.
Successful	21,014	5,719	55	26,788
Unsuccessful	94	28	1	123
Unknown	3,273	1,092	6	4,371
<b>Total</b>	<b>24,381</b>	<b>6,839</b>	<b>62</b>	<b>31,282</b>

**(3) Inspections of Results.**—The reports of the Vaccinators were checked by the Superintendent in 4,160 cases and by the Head-Vaccinator in 4,669 cases.

The success rate was approximately 99.95 %.

Care was taken to check the Municipal Vaccinators' work in a large number of cases that re-visited the stations for inspection after 7 days and the same was found to be satisfactory. By this inspection it was also ensured that the vaccine used was of good potency.

(4) **Income.**—The following statement shows the details of the income derived from the sale of lymph, fees charged for vaccinations done at private places, firms etc., for giving instruction in Vaccination and for supplying extracts from vaccination registers etc., during the year under report :—

Amount realised from sale of lymph.	Municipal moiety of the fees realised from private vaccinations.	Municipal fees (moiety only) recovered from medical and private students for receiving Vaccination instruction.	Fees realised from vaccination extracts and other miscellaneous items.	Total.
Rs. a. p. 3,076 12 0	Rs. a. p. 505 8 0	Rs. a. p. 1,175 0 0	Rs. a. p. 480 13 0	Rs. a. p. 5,238 1 0

(5) **Cost of Single Operation.**—The cost of each successful vaccine operation taking into account all the charges incurred by the Vaccination Branch was Rs. 2-13-1 as against Rs. 2-8-6 in the preceding year. If the income of Rs. 5,238-1-0 shown above is excluded from the total expenditure, the cost works out at Rs. 2-9-11 as against Rs. 2-6-2 in the previous year. If calculated against the total number of vaccine operations, i.e., both primary and re-vaccinations, the cost of each operation after deducting the income as above comes to Rs. 0-6-5 compared to Re. 0-4-9 in the preceding year. The increase in the cost of a single operation was due to the fall in the number of vaccinations done during the year because of the exodus of a large number of persons owing to the war scare.

(6) **Postponement Certificates.**—During the year under report 289 Certificates for postponement of the vaccination of children were granted.

(7) **Prosecution.**—There were no cases of prosecution for failure to bring infants for vaccination, or for failure to present them for inspection seven days after the operation.

(8) **Ill-effects from Vaccination.**—No serious ill-effects due to vaccination were observed or reported during the year.

(9) **Instruction to students.**—During the year under report 339 Civil Medical Pupils and 58 private students from the City and the mofussil attended different Public Vaccination Stations for instruction in vaccination. Besides these, 9 Lady Health Visitors of the Bombay Presidency Infant Welfare Society were given instruction in Vaccination at the request made by the Secretary of the Society.

(10) **Propaganda.**—In inaugurating a Vaccination Campaign in the Worli B.D.D. and Naigaon B.D.D. areas which are thickly populated, two lantern lectures on Small-pox and the benefits of Vaccination were organized and were largely attended; the response was good and a large number were vaccinated.

Circular letters were sent to Mills, Factories and large offices, offering free vaccination to the employees at their place of work and a large number of vaccinations was done as a result thereof.

(11) **Vaccination of Pilgrims.**—During the year under report, no Pilgrims left Bombay for Haj as a result of the decision of the Government of India.

(12) Departing from the usual practice of appointing additional staff when Small-pox had spread to some extent, a Staff of 3 Vaccinators, 3 Vaccination Karkoons and 4 Coolies was employed from 14th October 1942 and a house to house visitation was made with the help of both the permanent and the temporary staff, especially in E, F and G Wards which are usually much affected by Small-pox.

It is gratifying to note that the experiment met with great success and a large number of vaccinations was done during the last quarter.

A Lady Vaccinator has been appointed on the Staff from 1st October 1942 to facilitate the vaccination of purda ladies.

F. LOBO, M.B.B.S., D.P.H., (Cantab).

*Superintendent of Vaccination.*

**Table No. 1.**  
**POPULATION BY SECTIONS**

Ward.	Section.	POPULATION.					
		By the Census 1931.			By the Census 1941.		
		Males.	Females.	Total.	Males.	Females.	Total.
1 {	Upper Colaba ...	288	148	436	7,210	1,091	8,301
	Middle and Lower Colaba ...	13,628	6,326	19,954	21,513	12,007	33,520
	Fort, South ...	2,854	641	3,495	9,656	3,738	13,394
2 {	Fort, North ...	16,823	9,009	25,832	18,367	10,189	28,556
	Esplanade ...	9,814	4,489	14,303	11,938	6,530	18,468
3 {	Mandvi ...	27,050	14,656	41,706	25,411	13,503	38,914
	Chukla ...	12,031	6,006	18,037	13,986	8,068	22,054
4 {	Umerkhadi ...	25,588	16,006	41,594	32,567	19,715	52,282
	Dongri ...	8,101	4,927	13,028	12,680	9,082	21,762
5 {	Khara Talao ...	14,998	8,245	23,243	22,998	14,071	37,069
	Kumbharwada ...	19,815	12,212	32,027	18,957	10,898	29,855
6 {	Bhuleshwar ...	23,097	12,009	35,106	19,033	8,634	27,667
	Market ...	26,952	11,699	38,651	22,923	11,461	34,384
7 {	Dhobi Talao ...	27,568	16,804	44,372	29,147	17,843	46,990
	Fanaswadi ...	19,722	12,355	32,077	21,575	14,362	35,937
8 {	Khetwadi ...	24,350	14,957	39,307	31,229	21,455	52,684
	Tardeo ...	19,200	12,548	31,748	21,216	13,996	35,212
9 {	Girgaum ...	24,369	14,417	38,786	32,485	21,470	53,955
	Chowpati ...	10,091	6,106	16,197	13,670	9,082	22,752
10 {	Walkeshwar ...	14,523	8,211	22,734	15,354	9,797	25,151
	Mahalakshmi ...	22,948	13,621	36,569	32,254	22,368	54,622
11 {	Mazagon ...	28,414	14,739	43,153	28,575	15,762	44,337
	Tarwadi ...	24,678	15,660	40,338	24,210	14,659	38,869
12 {	1st Nagpada ...	4,672	2,551	7,223	6,350	4,740	11,090
	2nd Nagpada ...	13,368	7,694	21,032	19,635	11,055	30,690
	Kamathipura ...	23,488	14,083	37,571	26,346	16,063	42,409
13	Byculla ...	59,098	32,887	91,985	62,908	33,570	96,478
14	Parel ...	40,407	23,153	63,560	43,836	27,590	71,426
15 {	Sewri ...	17,376	9,380	26,756	20,625	11,239	31,864
	Naigaum ...	...	...	...	32,448	19,717	52,165
16 {	Matunga ...	...	...	...	25,562	18,195	43,757
	Sion ...	43,167	26,031	69,198	13,169	8,871	22,040
17 {	Dadar ...	...	...	...	30,727	19,885	50,612
	Mahim ...	30,048	19,196	49,244	25,566	19,139	44,705
18 {	Parbhadevi ...	...	...	...	37,023	21,775	58,798
	Worli ...	73,644	40,887	1,14,531	35,777	20,887	56,664
19 {	Chinchpokli ...	...	...	...	38,528	21,229	59,757
	Love Grove ...	...	...	...	3,386	1,313	4,699
	Harbour, Docks, Railways and Unknown ...	25,241	2,349	27,590	33,613	2,381	35,994
	Total ...	7,47,381	4,14,002	11,61,383	9,42,453	5,47,430	14,89,883

Table No. 2.

TABLE SHOWING THE AREA, DENSITY OF POPULATION, THE NUMBER OF BIRTHS, THE BIRTH-RATE AND DEATHS UNDER ONE YEAR PER 1,000 BIRTHS BY SECTIONS IN 1942.

1 Ward.	2 Sections.	3 Area in Acres.	4 Average Population per Acre calculated on the Census Population of 1941.	5 Number of Births registered.			6 No. of Births per 1,000 of Population.	7 Mean ratio of Births per 1,000 of Population during the preceeding 5 years.	8 Deaths under 1 year per 1,000 Births.
				Males.	Females.	Total.			
1	Upper Colaba	605.77	13.7	98	72	170	20.5	6.5	112
	Middle and Lower Colaba	790.88	42.4	285	257	542	16.2	25.7	155
2	Fort, Southern	454.26	29.5	64	80	144	10.7	15.1	118
	Fort, Northern	89.70	318.4	285	282	567	19.9	33.3	171
3	Esplanade	648.41	28.5	223	216	439	23.8	36.5	180
	Mandvi	171.60	226.7	313	290	603	15.5	22.0	232
4	Chukla	45.16	488.3	228	219	447	20.3	33.1	134
	Umarkhadi	94.95	550.6	628	648	1,276	24.4	33.7	168
5	Dongri	296.50	73.4	317	312	629	28.9	50.0	156
	Khara Talao	57.36	646.3	304	277	581	15.7	26.9	153
6	Kumbharwada	42.05	710.0	265	236	501	16.8	24.3	214
	Bhuleshwar	43.22	640.1	372	322	694	25.1	30.9	161
7	Market	81.75	420.6	250	227	477	13.9	24.6	205
	Dhobi Talao	114.63	409.9	517	450	967	20.6	30.8	179
8	Fanaswadi	102.39	351.0	303	358	661	18.4	32.6	132
	Khetwadi	153.71	342.7	544	484	1,028	19.5	33.0	153
9	Tardeo	146.92	239.7	434	404	838	23.8	33.3	237
	Girgaum	114.42	471.5	458	396	854	15.8	32.4	153
10	Chowpati	106.52	213.6	270	228	498	21.9	37.4	72
	Walkeshwar	584.20	43.1	244	230	474	18.8	25.1	108
11	Mahalakshmi	680.02	80.3	515	504	1,019	18.7	28.9	154
	Mazagon	544.41	81.4	493	518	1,011	22.8	25.6	198
12	Tarwadi	359.90	108.0	483	416	899	23.1	34.7	206
	1st Nagpada	96.20	115.3	190	176	366	33.0	32.3	167
13	2nd Nagpada	86.53	354.7	487	483	970	31.6	25.7	175
	Kamathipura	60.32	603.1	440	447	887	20.9	28.2	321
14	Byculla	536.27	179.1	1,105	1,084	2,189	22.7	24.1	307
	Parel	560.59	127.4	947	876	1,823	25.5	34.2	189
15	Sewri	1,129.56	28.2	362	306	668	21.0	26.9	284
	Naigaum	425.08	122.7	678	662	1,340	25.7	...	193
16	Matunga	388.46	112.6	410	395	805	18.4	...	184
	Sion	2,737.89	8.1	277	242	519	23.2	41.2	220
17	Dadar	1,450.38	34.9	710	711	1,421	28.1	...	194
	Mahim	370.74	120.6	637	583	1,220	27.3	51.6	151
18	Parbhadevi	489.46	120.1	701	704	1,405	23.9	...	206
	Worli	915.11	61.9	731	647	1,378	24.3	37.0	235
19	Chinchpokli	477.31	125.2	568	594	1,162	19.5	...	208
	Love Grove	708.76	6.6	34	30	64	13.6	...	266
	Harbour, Docks, Railways and Unknown	...	...	...	...	...	...	...	...
	Total	16,761.57	88.9	16,170	15,366	31,536	21.2	30.8	195



Table No. 3.

## TABLE OF POPULATION AND BIRTHS BY COMMUNITIES OR CASTES IN 1942.

Race or Caste.	POPULATION		BIRTHS				
	By the Census of 1931	By the Census of 1941	Registered in 1942			Number per 1,000.	
			Males.	Females.	Total.	1941	1942
Jains	12,424	33,281	312	348	660	24.5	16.8
Brahmins	75,966	1,24,438	1,034	996	2,030		
Lingaits	347	1,736	135	110	245		
Bhatias	5,895	6,568	86	81	167		
Banias	50,822	34,921	408	460	868		
Hindus of other Castes	5,53,580	7,38,751	6,137	5,703	11,840		
Scheduled class	1,03,251	1,21,352	2,960	2,822	5,782	47.7	47.6
Mussalmans	2,09,246	2,51,318	2,815	2,618	5,433	25.8	21.6
Parsees	57,765	59,813	431	426	857	16.6	14.3
Jews	8,621	10,390	198	197	395	37.2	38.0
Indian Christians	64,269	78,149	1,360	1,335	2,695	36.2	34.5
Anglo-Indians	7,039	8,797	86	84	170	16.6	19.3
Europeans	9,420	13,001	144	130	274	16.2	12.1
Negro-Africans	...	...	...	...	...	...	...
Buddhists	1,630	912	29	33	62	55.9	68.0
Other and unknown Castes	1,108	6,456	35	23	58	3.4	9.0
<b>Total</b>	<b>11,61,383</b>	<b>14,89,883</b>	<b>16,170</b>	<b>15,366</b>	<b>31,536</b>	<b>26.8</b>	<b>21.2</b>

Table No. 3-A.

## TABLE SHOWING THE NUMBER OF BIRTHS BY MONTHS DURING THE YEARS 1940, 1941, 1942 AND THE AVERAGE FOR THE YEARS (1937-41)

Period.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1937-41...	3,420	2,818	2,938	2,863	2,891	2,698	2,882	2,972	3,168	3,532	3,627	3,953	37,762
1940 ...	3,433	3,093	3,063	3,038	3,075	2,736	3,011	3,047	3,141	3,544	3,673	3,979	38,833
1941 ...	3,629	2,846	3,108	2,953	3,013	2,860	2,997	3,201	3,499	3,799	3,863	4,186	39,954
1942 ...	3,593	3,005	2,139	1,995	2,047	1,882	1,999	2,194	2,446	3,240	3,373	3,623	31,536

**Table No. 4.**  
TABLE SHOWING CASES OF INFECTIOUS DISEASES NOTIFIED FROM ALL SOURCES DURING THE YEAR 1942.

1	2	3															
		Total Number of Cases notified in each Section.															
Ward.	Sections.	Cholera.	Small-pox.	Plague.	Enteric Fever.	Diphtheria.	Typhus.	Relapsing Fever.	Kala Azar	Puerperal Fever.	Tuberculosis.	Leprosy.	Influenzal Pneumonia	Cerebro Spinal Meningitis.	Scarlet Fever.	Total.	
1	Upper Colaba ...	...	4	...	4	10	4	...	...	1	18	...	...	4	...	45	
	Middle and Lower Colaba ...	...	14	...	13	10	...	...	...	1	21	...	...	...	...	59	
	Fort, Southern ...	...	20	...	20	1	...	...	...	...	6	...	...	...	...	47	
2	Fort, Northern ...	...	13	...	21	6	...	...	...	...	51	...	...	3	...	94	
	Esplanade ...	...	8	...	17	2	...	...	...	1	56	...	...	2	...	86	
	Mandvi ...	...	15	...	26	2	...	...	...	...	42	1	...	...	...	86	
3	Chukla ...	...	4	...	5	5	...	...	...	...	32	...	...	...	...	46	
	Umarghadi ...	...	30	...	32	13	...	...	...	2	98	...	...	2	...	177	
4	Dongri ...	...	14	...	26	5	...	...	...	2	43	...	...	1	...	91	
	Khara Talao ...	...	8	...	12	9	...	...	...	...	55	...	...	...	...	84	
5	Kumbharwada ...	...	12	...	5	3	...	...	...	...	39	...	...	2	...	61	
	Bhuleshwar ...	...	15	...	7	5	...	...	...	...	63	...	...	1	...	91	
6	Market ...	...	10	...	21	2	...	...	...	...	32	...	...	2	...	67	
	Dhobi Talao ...	...	30	...	45	6	...	...	...	...	79	...	...	...	...	160	
7	Fanaswadi ...	...	16	...	32	2	...	...	...	...	44	...	...	1	...	95	
	Khetwadi ...	...	21	...	42	8	...	...	...	...	72	...	...	2	...	145	
8	Tardeo ...	...	28	...	25	8	...	...	...	1	55	...	...	1	...	118	
	Girgaum ...	...	5	...	47	7	...	...	...	...	51	...	...	...	...	110	
9	Chowpati ...	...	14	...	19	8	...	...	...	...	19	...	1	...	...	61	
	Walkeshwar ...	...	5	...	17	8	...	...	...	...	16	...	...	...	...	46	
10	Mahalakshmi ...	...	31	...	40	10	...	...	...	...	47	...	...	1	...	129	
	Mazagon ...	...	57	...	28	13	...	...	...	...	45	...	...	2	...	145	
11	Tarwadi ...	...	76	...	23	10	1	...	...	...	116	...	...	4	1	231	
	1st Nagpada ...	...	7	...	11	4	...	...	...	1	11	...	...	...	...	34	
12	2nd Nagpada ...	...	61	...	21	25	1	...	...	...	172	6	...	3	...	289	
	Kamathipura ...	...	54	...	10	3	...	...	...	1	72	...	...	3	...	143	
13	Byculla ...	...	196	...	130	45	...	...	...	1	128	...	...	13	...	513	
14	Parel ...	...	127	1	69	19	...	...	...	4	80	1	...	2	...	303	
	Sewri ...	...	57	...	23	3	...	...	...	...	16	...	...	1	...	100	
15	Naigaum ...	...	127	...	28	9	...	...	...	1	54	1	...	2	...	222	
	Matunga ...	...	6	...	30	19	...	...	...	...	15	...	...	...	...	70	
16	Sion ...	...	13	...	27	...	...	...	...	...	16	69	...	1	...	126	
	Dadar ...	...	23	...	28	8	...	...	...	1	40	...	...	1	...	101	
17	Mahim ...	...	50	...	23	14	...	...	...	3	38	...	...	2	...	130	
	Prabhadevi ...	...	111	...	31	6	...	...	...	...	35	...	...	1	...	184	
18	Worli ...	...	23	...	24	4	...	...	...	...	26	...	...	4	...	81	
	Chinchpokli ...	...	147	...	35	4	...	...	...	2	41	...	...	2	...	231	
19	Love Grove ...	...	2	...	1	...	...	...	...	...	4	...	...	...	...	7	
	Harbour, Docks, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total ...	...	1,454	1	1,018	316	6	...	...	22	1,848	78	1	63	1	4,808	
	Average of the last 5 years.	...	7	1,771	...	895	237	6	...	1	38	2,369	58	25	169	2	5,578

**Table No. 5.**  
**Table of Cases treated at all the Municipal Dispensaries during 1942.**

Description of diseases	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Measles ...	3	7	7	6	2	...	...	...	...	...	...	1	26
Whooping Cough ...	13	24	21	36	21	3	5	5	4	3	1	7	143
Dengue ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza ...	1,160	996	1,308	1,412	1,416	1,682	3,025	2,946	2,626	2,817	2,380	1,760	23,528
Dysentery ...	154	120	157	143	94	118	273	395	208	127	126	130	2,045
Diarrhoea ...	561	404	440	407	318	378	993	882	553	376	434	477	6,223
Malarial Fever ...	121	115	102	80	86	119	214	318	230	253	243	210	2,091
Fever not defined ...	1,748	1,742	872	780	865	755	786	768	695	745	810	793	11,359
Bronchitis ...	103	81	85	113	94	86	127	127	132	155	122	163	1,388
Pneumonia ...	15	22	41	40	23	41	59	33	46	27	22	24	393
Diseases of the teeth ...	412	370	379	350	384	309	432	422	359	391	379	376	4,563
Ophthalmia ...	251	272	249	288	272	303	336	362	276	309	307	288	3,513
Corneal Ulcer ...	...	1	7	11	7	2	...	2	1	2	11	6	50
Ringworm ...	252	348	252	345	345	371	536	546	527	534	321	268	4,645
Scabies ...	993	843	820	617	482	471	728	926	1,137	992	829	897	9,735
Worms ...	357	367	320	292	269	274	360	409	369	340	320	338	4,015
All other diseases and injuries	8,289	7,512	7,890	7,235	7,077	7,676	8,946	8,911	7,725	8,973	7,614	7,393	95,239
Leprosy ...	1	1	...	2	...	...	...	...	...	...	...	...	4
<b>Total new cases ...</b>	<b>14,433</b>	<b>13,225</b>	<b>12,950</b>	<b>12,157</b>	<b>11,755</b>	<b>12,588</b>	<b>16,820</b>	<b>17,052</b>	<b>14,888</b>	<b>16,044</b>	<b>13,919</b>	<b>13,131</b>	<b>*1,68,960</b>

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\*Including 2,042 cases treated at the Maratha Hospital, out-door Departments, 420 at Ambewad i Parel Tank Road Dispensary (opened on 21-11-1942), 320 at Sewri New Road, Sewri Dispensary (opened on 27-11-1942) and 412 at New Delise Road Dispensary (opened on 19-11-1942).  
*Note.*—This Table does not include the number of patients treated at the three Dispensaries for Tuberculosis (see page 10) and at those for Women and Children. (see page 18)

Table No. 6.

## DEATHS FROM ALL CAUSES BY SECTIONS AND AGE-PERIOD IN 1942.

1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	16															
													Wards.	Sections.	Under 1 year.		1 to 5 years.	5 to 10 years.	10 to 15 years.	15 to 20 years.	20 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 years and upwards.	Age un-specified.	TOTAL DEATHS			No. of deaths among males to 100 deaths among females.	Ratio of deaths per 1,000 of population.	
																											Males.	Females.	Persons.		1941	Mean during the previous 5 years.
1	Upper Colaba	...	19	6	4	...	6	63	27	17	8	12	...	114	48	162	190	19.5	29.86													
	Middle and Lower Colaba	...	84	38	10	4	11	36	30	33	34	81	...	203	158	361	141	10.76	18.43													
2	Fort, Southern	...	17	9	3	2	4	17	20	11	13	25	...	84	37	121	227	9.03	8.8													
	Fort, Northern	...	97	69	7	6	15	50	49	44	34	59	...	266	164	430	167	15.05	23.9													
3	Esplanade	...	79	37	4	3	15	49	61	43	49	59	...	259	140	399	185	21.6	24.74													
	Mandvi	...	140	95	19	11	11	40	53	55	52	62	...	304	234	538	147	13.82	18.23													
4	Chukla	...	60	31	1	9	13	24	27	25	29	44	...	161	102	263	158	11.92	20.05													
	Umarkhadi	...	215	117	18	27	22	91	110	101	86	145	...	522	410	932	127	17.82	26.95													
5	Dongri	...	98	58	14	5	7	35	43	26	28	44	...	220	138	358	144	16.35	31.56													
	Khara Talao	...	89	47	11	10	16	39	46	38	27	73	...	242	154	396	144	10.68	20.50													
6	Kumbharwada	...	107	68	16	10	11	39	45	40	49	58	...	249	194	443	128	14.83	23.53													
	Bhuleswar	...	112	67	13	6	22	63	59	52	58	110	...	326	236	562	150	20.31	26.82													
7	Market	...	78	53	16	6	19	40	24	39	41	52	...	233	135	368	172	10.7	16.45													
	Dhobi Talao	...	173	126	27	20	22	75	80	76	76	100	...	439	336	775	130	16.49	22.31													
8	Fanaswadi	...	87	76	15	7	15	53	45	36	46	87	...	272	195	467	139	12.99	18.01													
	Khetwadi	...	157	100	29	13	19	97	99	79	75	152	...	436	384	820	109	15.56	22.99													
9	Tardeo	...	199	113	31	5	24	83	82	70	57	131	...	439	356	795	123	22.57	26.51													
	Girgaum	...	131	74	14	13	23	56	61	54	55	103	...	326	258	584	118	10.82	19.87													
10	Chowpati	...	36	31	5	4	8	23	24	25	17	44	...	124	93	217	133	9.53	17.55													
	Walkeswar	...	51	18	7	1	4	16	35	24	21	65	...	139	103	242	134	9.52	14.84													
11	Mahalakshmi	...	157	92	25	14	21	78	46	62	84	177	...	428	328	756	130	13.84	23.32													
	Mazgaon	...	200	119	10	13	26	79	8	62	64	115	...	436	338	774	128	17.42	22.03													
12	Tarwadi	...	185	114	24	14	18	97	71	58	41	105	...	413	314	727	131	18.7	31.61													
	1st Nagpada	...	61	40	8	5	10	16	13	11	26	...	102	93	195	109	17.58	19.63														
13	2nd Nagpada	...	170	73	28	16	21	100	139	134	124	157	...	612	350	962	174	31.34	26.38													
	Kamathipura	...	285	177	38	13	26	95	98	83	57	154	...	549	477	1,026	115	24.19	31.81													
14	Byculla	...	672	372	59	33	46	247	227	135	122	275	...	1,178	1,010	2,183	116	22.67	27.45													
	Parel	...	345	180	47	27	38	176	167	124	110	187	...	822	579	1,401	141	19.61	26.04													
15	Sewri	...	190	121	20	10	15	72	82	42	28	80	...	368	292	660	121	20.71	23.08													
	Naigaum	...	258	234	33	14	38	108	93	78	68	121	...	574	471	1,045	121	20.03	...													
16	Matunga	...	148	61	13	14	14	32	31	37	34	87	...	260	211	471	123	10.76	...													
	Sion	...	114	57	9	15	4	44	51	49	37	75	...	261	194	455	134	20.64	...													
17	Dadar	...	276	191	18	16	29	82	65	68	57	124	...	517	409	926	126	18.29	...													
	Mahim	...	184	95	25	15	19	80	60	43	47	139	...	365	342	707	106	15.81	...													
18	Parbhadevi	...	289	214	40	14	19	94	109	79	63	142	...	576	487	1,063	118	18.07	...													
	Worli	...	324	251	29	21	30	106	85	69	57	142	...	603	511	1,114	118	19.65	...													
19	Chinchpokli	...	242	185	33	14	29	134	102	97	73	169	...	584	494	1,078	125	18.03	...													
	Love Grove	...	17	11	1	...	3	6	10	3	8	...	...	36	26	62	146	13.19	...													
	Harbour, Docks, etc.	...	18	5	3	6	8	33	87	63	51	60	...	267	67	334	398	11.05	22.75													
	Total	...	6,164	3,825	727	436	696	2,662	2,645	2,187	1,986	3,849	...	14,309	10,868	25,177	131	16.9														
	Average of five years 1937-41	...	8,553	5,448	1,039	550	877	3,383	2,914	2,363	2,072	4,296	1			31,497																

**Table No. 7.**  
**DEATHS BY CASTES AND AGES IN THE YEAR 1942.**

Date.	Under 7 days		1 to 4 weeks		4 weeks to 6 months		6 to 12 months		1 to 2 years		2 to 5 years		5 to 10 years		10 to 15 years		15 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 and over		Age unspecified		All ages.			Average of five years 1937-41.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Persons.		
Jains ...	3	1	7	3	15	6	13	9	13	12	7	10	6	6	4	...	3	2	13	15	18	8	30	9	21	8	23	12	...	...	176	101	277	644	
Brahmins ...	35	35	27	18	31	41	44	41	51	34	41	32	16	18	10	11	27	16	87	67	87	56	98	37	95	37	113	88	...	...	762	531	1,293	1,914	
Lingayats ...	11	17	10	6	13	12	16	18	24	15	23	15	7	9	5	...	6	5	8	14	13	12	11	5	7	4	21	18	...	...	175	150	325	492	
Bhatias ...	6	4	1	...	3	1	2	4	5	3	1	5	2	3	2	1	2	2	2	5	4	3	6	2	11	3	12	17	...	...	59	53	112	173	
Banias ...	15	12	4	6	13	11	16	20	34	30	11	19	8	9	8	3	7	9	27	29	20	21	41	12	31	15	58	26	...	...	293	222	515	837	
Hindus, Other Castes ...	382	292	234	199	338	337	370	390	401	406	326	370	161	178	104	106	156	129	769	486	818	450	743	250	625	223	762	708	...	...	6,189	4,524	10,713	14,286	
Hindus, Low Castes ...	198	125	110	93	197	188	246	259	318	345	295	280	67	64	22	29	45	61	157	172	161	142	133	76	116	65	220	240	...	...	2,285	2,139	4,424	4,661	
Mahomedans ...	126	97	86	70	155	147	146	146	134	133	114	120	49	60	33	58	58	101	285	286	392	224	346	125	316	105	540	273	...	...	2,780	1,985	4,725	5,626	
Parsees ...	19	7	8	5	12	9	13	6	12	5	5	5	7	6	4	3	11	7	21	11	19	16	35	28	49	63	209	205	...	...	424	376	800	867	
Jews ...	3	7	5	1	7	7	5	3	5	4	4	3	2	4	2	3	3	...	3	5	4	6	11	5	5	13	26	26	...	...	85	87	172	170	
Indian Christians ...	64	39	46	46	110	110	54	44	42	33	30	32	15	21	14	10	22	15	67	63	76	58	91	41	102	29	105	94	...	...	838	635	1,473	1,560	
Anglo-Indians ...	2	1	1	2	3	7	3	3	4	2	4	3	...	3	...	1	1	1	3	...	6	4	10	4	5	4	11	13	...	...	53	48	101	106	
Europeans ...	6	2	...	...	4	2	1	...	...	...	1	1	2	1	...	2	6	...	59	1	19	3	28	3	16	9	11	16	...	...	154	40	194	106	
Negro Africans ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buddhists ...	...	...	...	...	...	1	...	...	...	...	2	1	1	2	1	...	...	...	6	...	5	...	6	1	8	...	2	...	...	...	31	5	36	30	
Other and unknown castes.	5	9	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1	...	...	6	12	18	25	
Total { Male ...	875	...	539	...	901	...	929	...	1,043	...	864	...	343	...	209	...	348	...	1,507	...	1,642	...	1,589	...	1,408	...	2,112	...	...	...	14,309	...	...	...	
Female	...	648	...	449	...	880	...	943	...	1,022	...	896	...	384	...	227	...	348	...	1,155	...	1,003	...	598	...	578	...	1,737	...	...	...	10,868	...	...	
Persons. ...	1,523		988		1,781		1,872		2,065		1,760		727		436		696		2,662		2,645		2,187		1,986		3,849		...			25,177	...	31,497	
Average per five years 1937-41.	1,890		1,360		2,415		2,888		2,974		2,474		1,039		550		878		3,383		2,914		2,363		2,072		4,296		1			31,497	...	...	

Table No. 8.

## THE DEATHS BY AGE AND MONTH IN 1942.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Average of five years 1937-41.
Under 7 days... ..	181	115	91	70	68	96	128	172	160	166	135	141	1,523	1,890
1 to 4 weeks ... ..	126	117	58	57	35	37	72	92	105	98	83	108	988	1,360
4 weeks to 6 months ... ..	204	187	213	131	85	110	178	144	117	133	129	150	1,781	2,415
6 months to 12 months... ..	162	182	216	147	103	131	206	207	136	166	107	109	1,872	2,888
1 to 2 years ... ..	210	233	234	141	108	113	159	236	190	127	169	145	2,065	2,974
2 to 5 years ... ..	186	210	206	146	100	109	146	161	152	112	104	128	1,760	2,474
5 to 10 years ... ..	84	84	103	57	36	37	46	62	58	54	52	54	727	1,039
10 to 15 years ... ..	39	47	39	38	29	30	41	45	33	33	25	37	436	550
15 to 20 years ... ..	69	75	69	52	42	50	63	61	61	51	54	49	696	878
20 to 30 years ... ..	268	243	271	232	188	183	178	197	220	225	211	246	2,662	3,383
30 to 40 years ... ..	264	233	232	219	190	164	226	204	236	242	224	211	2,645	2,914
40 to 50 years ... ..	204	194	195	174	167	133	188	197	161	185	187	202	2,187	2,363
50 to 60 years ... ..	210	188	182	130	118	116	178	172	166	146	171	209	1,986	2,072
60 and over ... ..	487	377	330	258	269	206	288	299	272	344	328	391	3,849	4,296
Ages Unspecified ... ..	...	...	...	...	...	...	...	...	...	...	...	...		1
Total ... ..	2,694	2,485	2,439	1,852	1,538	1,515	2,097	2,249	2,067	2,082	1,979	2,180	25,177	31,497
Average of five years 1937-41.	2,742	2,608	2,783	2,660	2,580	2,375	2,776	2,753	2,493	2,652	2,480	2,595	31,497	

Table No. 9.

## TABLE OF DEATHS BY SECTIONS AND MONTHS IN 1942.

Ward. No.	Localities		MONTHS.											TOTAL.
	Name of Sections.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
1.	Upper Colaba ...	11	10	10	6	14	11	12	19	11	21	17	20	162
	Middle and Lower Colaba.	36	32	31	27	30	27	25	36	26	26	31	34	361
2.	Fort, Southern ...	11	4	14	16	6	8	29	13	8	5	2	5	121
	Fort, Northern ...	50	49	50	36	20	22	35	35	37	40	25	40	430
3.	Esplanade ...	34	32	28	30	23	33	40	31	42	38	38	30	399
	Mandvi ...	71	56	58	45	27	31	38	46	33	32	44	57	538
4.	Chukla ...	43	25	23	20	19	13	12	20	25	24	18	21	263
	Umarkhadi ...	97	89	82	54	63	72	93	64	73	75	76	94	932
5.	Dongri ...	34	31	40	21	22	30	33	35	28	27	35	22	358
	Khara Talao ...	40	37	25	35	21	31	42	33	30	31	34	37	396
6.	Kumbharwada ...	54	44	40	36	25	29	37	28	40	34	35	41	443
	Bhuleshwar ...	60	54	52	42	34	26	42	48	45	45	56	58	562
7.	Market ...	51	33	37	25	22	13	24	31	25	32	38	37	368
	Dhobi Talao ...	81	70	98	50	41	49	77	57	57	70	62	63	775
8.	Fanaswadi ...	57	47	50	28	28	32	36	37	34	41	42	35	467
	Khetwadi ...	108	77	75	46	42	40	62	71	68	78	68	85	820
9.	Tardeo ...	87	59	61	74	58	54	50	66	88	83	45	70	795
	Girgaum ...	87	62	48	39	24	32	42	59	54	40	43	54	584
10.	Chowpati ...	16	20	20	25	10	17	15	24	16	20	13	21	217
	Walkeshwar ...	32	24	10	12	16	8	21	18	26	34	23	18	242
11.	Mahalakshmi ...	65	83	73	50	60	43	60	72	66	64	66	54	756
	Mazagaon ...	72	80	66	71	44	44	64	94	72	62	53	52	774
12.	Tarwadi ...	69	71	73	61	56	45	58	52	54	53	76	59	727
	1st Nagpada ...	23	11	20	17	20	10	15	15	19	15	11	19	195
13.	2nd Nagpada ...	58	75	107	59	63	65	76	102	88	83	101	85	962
	Kamatshipura...	81	95	97	80	73	72	88	79	87	108	81	85	1,026
14.	Byculla ...	227	227	253	170	153	127	173	177	176	160	157	188	2,188
15.	Parel ...	149	159	151	93	68	81	111	151	113	115	108	102	1,401
16.	Sewri ...	75	61	77	45	37	34	60	71	51	52	43	54	660
	Naigaum ...	114	114	107	57	59	59	101	96	76	88	88	86	1,045
17.	Matunga ...	43	39	41	39	25	26	43	33	43	47	39	53	471
	Sion ...	55	32	43	33	23	37	37	37	40	45	32	41	455
18.	Dadar ...	97	77	68	64	60	50	75	100	96	80	80	79	926
	Mahim ...	71	70	62	47	44	43	63	80	52	49	55	71	707
19.	Parbhadevi ...	118	136	107	88	63	57	71	105	74	72	69	103	1,063
	Worli ...	126	123	103	80	47	67	106	96	100	97	68	101	1,114
19.	Chinchpokli ...	125	141	112	86	56	54	79	101	86	79	77	82	1,078
	Love Grove ...	7	6	2	8	8	2	4	6	2	6	4	7	62
	Harbour, Docks, etc. ...	59	39	25	37	34	21	48	11	6	11	26	17	334
	TOTAL ...	2,694	2,485	2,439	1,852	1,538	1,515	2,097	2,249	2,067	2,082	1,979	2,180	25,177

TABLE OF DEATHS BY CAUSES

Classification Numbers		1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15	16	17	18	19	20	21	22	23
Wards.	SECTIONS.	Typhoid and Para-Typhoid Fever (1-2)	Cerebro-Spinal Fever (6)	Scarlet Fever (8)	Whooping Cough (9)	Diphtheria (10)	Tuberculosis of Respiratory System (13)	Other forms of Tuberculosis (14-22)	Syphilitic disease (30)	Influenza (33)	Measles (35)	Acute Poliomyelitis & Polio Encephalitis (36)	Acute infectious Encephalitis (37)	Cancer of buccal cavity and Oesophagus (45, 46A) males.	Cancer of uterus (48)	Cancer of Stomach and duodenum (46B)	Cancer of breast (50)	Cancer of all other sites (45-46A females, 46c-h, 47, 49, 51-55)	Diabetes (61)	Intra-Cranial Vascular Lesions (83)	Heart Disease (90-95)	Other diseases of circulatory System (96-103)	Bronchitis (106)	Pneumonia (107-109)	Other Respiratory Diseases (104, 105, 110-114)
		1	Upper Colaba ...	4	2	...	...	1	10	7	...	1	...	...	...	1	...	...	...	1	...	1	1	...	17
Middle & Lower Colaba.	4		...	...	...	3	15	2	...	...	...	...	...	...	...	...	...	7	6	16	14	2	1	82	21
Fort, Southern ...	4		...	...	...	1	5	1	2	...	...	...	...	1	1	...	1	5	...	2	7	2	...	11	3
2	Fort, Northern ...	13	2	...	2	1	34	11	2	1	1	1	...	2	...	...	...	8	5	8	14	2	6	101	17
	Esplanade ...	4	2	...	...	...	39	4	3	...	...	1	...	2	...	2	...	5	2	11	15	6	2	71	10
3	Mandvi ...	15	...	...	...	1	29	6	1	1	2	1	...	2	...	2	...	7	2	3	21	1	9	167	15
	Chukla ...	3	...	...	...	1	14	5	1	...	...	...	...	...	1	...	...	2	1	10	13	...	4	66	14
4	Umarkhadi ...	8	1	...	...	3	68	12	...	1	3	...	...	4	...	...	2	11	3	10	15	5	11	192	56
	Dongri ...	2	...	...	...	...	29	3	1	...	2	...	...	...	...	...	...	4	...	4	7	1	4	87	15
5	Khara Talao ...	5	...	...	...	2	40	10	...	...	1	1	...	1	...	...	...	7	3	1	1	...	33	114	7
	Kumbharwada ...	5	...	...	...	1	30	7	...	...	3	...	...	1	...	2	...	6	...	2	8	2	13	134	22
6	Bhuleshwar ...	6	...	...	...	2	46	4	1	...	1	...	...	3	...	...	...	9	3	4	6	...	32	122	23
	Market ...	13	1	...	...	1	24	4	...	...	...	...	...	4	...	...	...	3	4	7	16	4	...	109	9
7	Dhobi Talao ...	24	...	...	...	1	58	17	4	1	4	1	...	4	...	2	...	12	4	13	21	4	9	166	17
	Fanaswadi ...	20	1	...	...	...	26	9	3	...	4	...	...	3	5	3	1	16	1	10	5	3	7	113	8
8	Khetwadi ...	24	1	...	2	3	53	10	3	2	1	1	...	2	2	2	2	13	7	10	27	5	10	168	30
	Tardeo ...	13	...	...	...	2	42	5	4	2	6	1	...	3	1	1	1	4	3	10	15	...	12	235	68
9	Girgaum ...	27	...	...	2	2	35	10	1	...	1	...	...	3	2	...	...	10	3	10	19	4	10	108	17
	Chowpati ...	10	...	...	...	2	13	5	1	1	...	...	1	...	1	...	...	5	1	8	3	...	3	30	9
10	Walkeshwar ...	7	...	...	...	3	10	5	1	...	...	...	...	2	1	1	1	4	2	13	13	2	6	39	9
	Mahalakshmi ...	18	2	...	...	...	34	10	2	1	2	1	...	1	1	2	...	13	7	5	32	1	15	144	39
11	Mazagaon ...	6	...	...	1	1	33	6	...	4	5	...	...	...	1	2	...	4	3	13	9	2	26	260	14
	Tarwadi ...	10	4	...	1	...	59	...	2	1	5	...	...	2	...	2	...	5	5	5	6	2	9	270	19
12	1st Nagpada ...	1	...	...	...	...	6	5	...	2	...	1	...	...	...	...	...	...	...	1	3	...	11	57	4
	2nd Nagpada ...	8	1	...	...	1	100	8	4	1	3	...	...	...	...	...	...	8	2	13	17	2	11	154	50
	Kamathipura ...	6	1	...	...	1	54	5	3	1	12	...	...	...	...	...	...	3	...	9	7	1	16	288	70
13	Byculla ...	18	3	...	...	5	75	20	5	...	36	...	...	1	1	5	...	9	8	15	18	5	24	515	134
14	Parel ...	27	2	...	...	2	62	21	3	2	10	...	2	4	1	6	4	20	7	28	19	8	9	325	82
15	Sewri ...	4	...	...	...	2	10	7	...	...	9	...	...	...	...	...	...	...	...	1	6	...	6	238	47
	Naigaum ...	8	1	...	...	1	38	6	3	...	26	...	...	3	...	2	1	6	2	12	13	7	43	280	34
16	Matunga ...	9	...	...	...	3	19	12	...	1	2	1	...	6	1	4	4	7	7	13	10	3	3	64	13
	Sion ...	3	...	...	...	...	16	2	1	1	1	...	...	...	...	...	...	...	...	5	3	1	3	109	18
17	Dadar ...	13	...	...	1	1	29	7	4	2	...	...	...	2	...	1	...	8	1	13	5	3	2	287	36
	Mahim ...	6	...	...	1	3	32	6	1	2	6	...	...	2	...	...	1	10	5	11	10	1	7	124	39
18	Prabhadevi ...	6	...	...	1	3	22	7	2	...	17	...	...	1	...	1	...	6	4	8	9	2	6	256	87
	Worli ...	7	1	...	...	1	19	4	...	...	13	...	...	1	1	1	...	1	2	3	7	1	2	366	64
19	Chinch pokali ...	8	2	...	...	1	22	6	1	1	9	1	...	...	...	...	1	4	2	15	7	1	6	273	63
	Love Grove Harbour, Docks etc.	1	...	...	...	...	3	1	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	18	...
	Total ...	375	29	...	11	55	1306	275	61	29	186	11	3	64	20	42	19	244	106	329	429	88	372	6,176	1,192

The Classification Numbers are the same and have the same application as those used in the Short List of causes of death adopted by the Registrar—



No. 10.

AND SECTIONS IN 1942.

24	25	26	27	28	29	30	31	32	33	34	35	36													TOTAL.	Quinquennial Average (1937-41).	
Ulceration of stomach or duodenum (117)	Diarthoza (119, 120)	Appendicitis (121)	Other Digestive Diseases (115, 116, 118, 122-129)	Nephritis (130-132)	Purpural and Post abortive Sepsis (140, 147)	Other Maternal Causes (141, 146, 148-150)	Premature birth (159)	Congenital malformations, birth injury (157, 158, 160, 161)	Suicide (163-164)	Road traffic accident (170-171)	Other Violent Causes (165-169, 172-198)	OTHER DEFINED DISEASES													Still-born.	TOTAL.	Quinquennial Average (1937-41).
												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)	Leprosy (23)	Senility and old age (162)	All other causes				
...	2	4	1	4	1	1	6	8	2	2	20	...	...	...	25	2	...	...	...	5	...	4	22	3	162	55	
1	7	...	7	4	...	3	16	32	1	4	11	4	...	...	2	...	...	2	...	4	...	33	57	20	361	415	
1	6	...	2	2	...	1	3	6	1	...	31	2	...	...	1	1	...	1	...	2	1	3	11	7	121	46	
...	15	1	11	11	...	3	17	24	...	2	11	3	...	...	1	1	...	6	...	4	...	24	65	27	430	630	
2	9	1	14	4	4	2	12	30	3	3	18	3	...	...	6	...	...	...	9	...	19	81	30	399	372		
...	10	...	9	4	...	2	21	41	1	6	17	9	...	...	2	2	...	3	...	7	1	35	83	38	538	748	
...	8	2	3	3	...	2	12	9	...	...	1	2	...	...	1	7	...	2	...	3	...	18	55	17	263	375	
1	35	...	15	9	3	5	24	63	2	2	26	8	...	...	2	42	...	...	...	12	...	93	185	73	932	1,176	
...	12	1	9	2	1	3	16	26	1	2	14	6	...	...	...	9	...	...	...	7	...	27	63	30	358	476	
1	5	...	6	2	...	1	11	20	1	1	9	3	...	...	3	...	...	...	...	1	...	42	64	31	396	531	
...	4	1	6	1	...	2	13	36	3	...	6	7	...	...	...	1	...	1	...	4	...	26	96	32	443	741	
1	7	2	16	3	1	...	9	22	...	2	20	8	...	...	4	6	...	1	...	13	...	69	116	40	562	899	
...	8	1	11	4	...	2	11	23	2	...	11	6	...	...	1	3	...	3	...	3	...	23	57	29	368	619	
2	32	...	25	8	...	2	33	53	3	4	27	13	...	...	...	8	...	4	...	7	...	64	128	49	775	1,001	
1	15	...	18	6	2	3	19	20	1	2	3	7	...	...	1	4	...	1	...	5	...	7	84	38	467	733	
2	21	2	30	10	...	6	27	45	1	3	25	13	...	...	4	6	...	7	...	10	...	69	161	54	820	969	
2	20	2	9	12	...	1	32	64	...	2	9	8	...	...	1	29	...	4	...	3	...	72	97	56	795	858	
...	22	1	23	8	...	5	34	34	1	4	23	3	...	...	...	9	...	7	...	7	...	41	98	54	584	829	
1	9	...	7	6	...	1	7	14	1	1	4	5	...	...	1	3	...	4	...	3	...	16	41	37	217	405	
...	8	1	9	9	1	1	8	16	...	1	3	3	...	...	2	1	...	2	...	3	...	25	30	30	242	342	
...	30	6	15	13	...	...	25	63	1	5	12	11	...	...	...	18	...	10	...	13	...	73	131	55	756	937	
2	26	...	14	3	1	4	24	66	4	7	21	14	...	...	5	23	...	2	...	7	...	64	97	54	774	954	
...	12	1	5	6	1	...	27	1	3	4	10	25	...	...	4	4	...	1	...	6	...	62	98	46	727	1,264	
...	9	2	1	...	...	1	7	16	...	1	3	4	...	...	1	5	...	1	...	4	...	26	23	26	195	155	
2	32	...	12	4	...	6	25	52	6	13	79	14	...	...	1	19	...	2	...	8	1	87	208	107	962	609	
...	42	2	7	2	1	3	22	104	...	3	12	25	...	...	...	25	...	...	...	13	...	113	175	85	1,026	1,224	
3	95	3	39	14	3	4	63	302	3	7	38	65	...	...	7	38	...	21	...	34	...	162	390	135	2,188	2,546	
2	46	...	37	6	4	5	81	101	2	8	45	55	...	...	9	23	...	12	...	13	2	65	241	136	1,401	1,694	
1	8	...	7	1	...	5	15	66	1	2	16	19	...	...	...	24	...	4	...	1	...	37	123	59	660	846	
1	42	...	13	3	1	1	25	93	7	6	29	37	...	...	...	53	...	7	...	16	...	80	145	116	1,045	2,378	
3	38	...	20	7	...	2	18	39	4	1	11	2	...	...	1	2	...	12	...	9	2	14	104	39	471		
...	18	...	11	1	...	2	8	43	...	1	12	7	...	...	1	1	...	8	...	6	64	42	67	27	455	1,888	
3	23	...	19	1	...	1	28	129	2	1	14	11	...	...	1	2	...	10	...	12	...	84	170	75	926		
3	32	...	18	6	2	1	20	59	2	1	21	31	...	...	2	5	...	4	...	13	...	62	158	85	707	4,117	
...	57	...	7	1	...	3	35	124	...	3	19	57	...	...	5	5	...	10	...	24	...	87	188	98	1,063		
2	28	1	10	4	...	7	32	109	2	4	16	22	...	...	3	5	...	...	...	8	...	97	270	94	1,114		
2	24	...	10	3	3	2	25	91	5	2	29	76	...	...	4	14	...	5	...	13	...	104	243	48	1,078		
...	...	...	1	...	...	...	1	8	1	...	2	1	...	...	...	...	...	...	...	...	...	5	17	7	62	665	
...	2	...	6	2	...	...	4	3	11	16	82	2	...	...	1	...	...	...	...	3	3	24	67	22	334		
39	819	34	483	189	29	93	816	2,105	78	128	760	591	...	1	109	400	...	157	...	315	74	2028	4,509	2,009	25,177	31,497	

General and the Local Government Board. The Number following the causes of Death are the corresponding Numbers in the Detailed List.

Table No. 11.

## COMPARATIVE TABLE OF BIRTHS AND DEATHS FROM SOME OF THE PRINCIPAL CAUSES DURING 1942 AND THE PRECEDING 10 YEARS.

Year.	Births (excluding still-births).		Total Deaths.		Plague.		Small-pox.		Measles.		Cholera.		Influenza.		Enteric Fever.		Malaria.		Ague and Remittent Fever.		Tuberculosis.		Diarrhoea, Enteritis and Dysentery.		Respiratory Diseases.		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.	Percentage to total deaths.	
1932	28,894	24.8	22,856	19.7	37	0.0	313	0.2	100	0.1	7	0.0	76	0.1	185	0.2	76	0.0	1,217	1.0	1,389	1.2	968	0.8	8,282	7.1	6,298	218.0	3,855	16.8	2,024
1933	30,926	26.6	27,174	23.4	48	0.0	2,659	2.3	86	0.1	17	0.1	76	0.1	241	0.2	71	0.0	1,192	1.0	1,594	1.4	1,035	0.9	9,102	7.8	8,320	269.0	4,675	17.2	2,338
1934	33,724	29.0	27,370	23.6	31	0.0	152	0.1	161	0.1	13	0.0	98	0.1	240	0.2	101	0.1	1,397	1.2	1,856	1.6	1,280	1.1	10,056	8.7	8,253	245.0	4,540	16.6	2,365
1935	34,428	29.6	29,289	25.2	1	0.0	1,248	1.1	264	0.2	13	0.0	72	0.1	232	0.2	97	0.1	1,389	1.2	1,929	1.7	1,235	1.1	10,641	9.2	8,455	245.6	5,537	18.9	2,329
1936	35,905	3.09	29,934	25.8	2	0.0	906	0.8	146	0.1	5	0.0	71	0.1	292	0.2	91	0.1	1,332	1.2	1,993	1.7	1,475	1.3	10,601	9.2	8,946	249.1	4,340	17.8	2,429
1937	35,455	30.5	30,768	26.5	...	0.0	688	0.6	211	0.2	4	0.0	68	0.1	344	0.3	73	0.1	1,298	1.1	2,037	1.7	1,662	1.4	11,241	9.7	8,688	245.0	5,740	18.7	2,340
1938	36,748	31.6	35,999	31.0	...	0.0	1,862	1.6	269	0.2	1	0.0	80	0.1	507	0.4	103	0.1	1,065	0.9	2,078	1.8	1,862	1.6	13,584	11.7	9,801	267.0	7,111	19.7	2,565
1939	37,822	32.6	30,520	26.3	...	0.0	201	0.2	102	0.2	...	0.0	58	0.0	249	0.2	171	0.1	761	0.6	2,034	1.7	1,551	1.3	10,772	9.3	8,008	211.7	4,575	15.0	2,726
1940	38,833	33.4	29,100	25.0	...	...	834	0.7	243	0.2	6	0.0	42	0.0	399	0.3	98	0.1	732	0.6	1,934	1.7	1,270	1.1	9,441	8.1	7,823	201.4	4,763	16.4	2,652
1941	39,954	26.8	31,096	20.9	...	0.0	1,293	0.8	199	0.1	7	0.0	44	0.0	554	0.4	88	0.5	668	0.4	1,692	1.7	1,374	0.9	10,186	6.8	8,445	211.4	5,052	16.2	2,654
Average of 1932-41	36,269	30.4	29,410	24.6	12	0.0	1,015	0.8	178	0.1	7	0.0	68	0.05	324	0.3	97	0.1	1,105	0.9	1,854	1.5	1,371	1.1	10,390	8.7	8,303	207.8	5,017	17.1	2,442
Average of 1937-41	37,762	30.8	31,496	25.7	...	0.0	976	0.8	205	0.2	3	0.0	58	0.0	410	0.3	107	0.1	905	0.7	1,955	1.6	1,544	1.2	11,045	9.0	8,553	226.5	5,448	17.3	2,587
1942	31,536	21.2	25,177	16.9	...	0.0	591	0.4	186	0.1	...	0.0	28	0.0	375	0.2	109	0.1	400	0.3	1,581	1.0	1,132	0.8	7,698	5.2	6,164	195.4	3,825	15.2	2,009

Table No. 12.

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1942.

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	25	15	24	29	31	30	27	45	49	39	25	33	372
1	2	Para-typhoid Fever	...	...	...	...	...	...	...	...	3	...	...	...	3
2	6	Cerebro-spinal Meningitis	4	3	3	5	1	3	...	2	...	...	6	2	29
4	9	Whooping Cough	3	1	4	1	...	1	1	...	...	...	...	...	11
5	10	Diphtheria	4	10	5	3	...	4	...	7	7	5	4	6	55
36	11	Erysipelas	2	...	...	1	1	...	...	...	...	...	...	...	4
36	12	Tetanus	15	12	10	10	12	10	12	12	4	10	16	11	134
(13-22) Tuberculosis (all forms)—															
6	13	Tuberculosis of the Respiratory System	115	110	93	118	11	88	123	95	105	133	115	100	1306
	14	Tuberculosis of the Meninges and Central Nervous System	8	13	16	15	8	10	9	6	9	9	17	16	136
	15	Tuberculosis of the Intestines and Peritonium	8	3	7	12	4	5	9	7	10	3	12	12	92
	16	Tuberculosis of the Vertebral Column	2	...	3	2	1	1	2	...	2	2	1	3	19
7	17	Tuberculosis of other bones and joints	2	...	1	...	...	...	...	2	...	...	3	...	8
	18	Tuberculosis of the Skin and Subcutaneous Cellular Tissue	...	...	...	1	...	...	...	...	...	...	...	...	1
	19	Tuberculosis of the Lymphatic System	1	1	...	1	2	...	...	...	1	...	1	...	7
	20	Tuberculosis of the Genito Urinary System	...	...	...	...	...	...	...	...	...	1	...	...	1
	21	Tuberculosis of other organs	...	...	...	1	1	...	1	...	1	2	1	...	3
	22	Disseminated Tuberculosis	...	...	...	1	1	...	1	...	1	...	...	...	8
K	23	Leprosy	6	4	6	5	3	3	5	7	10	12	7	6	74
36	24	Purulent Infection and Septicacemia	12	6	6	5	11	10	14	11	6	5	15	10	111
36	25	Gonococcal Infection	...	...	...	...	...	...	...	1	...	...	...	...	2
J	27	Dysentery	28	30	31	18	14	14	31	43	39	25	19	23	315
D	28 (a)	Malaria	6	3	5	3	5	9	2	14	8	23	18	13	109
E	28 (b)	Remittent Fever	49	45	42	30	24	37	33	32	27	33	21	27	400
C	29 (a)	Kala Azar	...	...	...	...	...	...	...	...	1	...	...	...	1
8	30	Syphilis—	1	...	...	...	...	...	1	...	...	...	...	...	2
		(a) Locomotor Ataxia (Tabes dorsalis)	2	2	...	...	...	1	...	...	1	...	...	1	8
		(b) General Paralysis of the Insane	...	...	...	...	...	...	...	...	1	...	...	...	1
		(c) Aneurysm of Aorta	5	3	1	2	1	2	1	5	3	4	4	4	35
		(d) Other forms of Syphilis	2	...	2	1	...	1	...	1	...	1	2	1	11
		(a) Congenital Syphilis	...	1	...	1	...	...	...	...	...	...	...	...	4
9	33	Influenza—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) With respiratory complications	...	...	...	1	1	1	...	...	...	...	...	...	3
		(b) Without respiratory complications	2	1	1	1	...	1	3	3	6	3	1	4	26
A	34	Small-pox	70	141	228	116	33	4	2	2	...	...	...	3	591
10	35	Measles	27	61	48	32	8	6	2	1	...	...	...	...	186
11	36:1	Acute Poliomyelitis	1	1	...	...	...	1	...	2	1	...	1	...	8
11	36:2	Acute Poliioencephalitis	...	...	...	...	1	...	...	...	...	2	...	...	3
12	37	Acute Infectious Encephalitis (Lethargic or Epidemic)	...	1	...	...	...	...	1	...	...	...	1	...	3
37	38	Other Diseases due to Viruses—	...	...	...	...	...	...	...	...	1	...	...	...	1
		(d) German Measles	...	...	...	...	...	...	...	...	1	...	...	...	1
		(e) Varicella (Chickenpox)	2	3	5	3	...	...	...	...	1	...	...	1	15
36	39	Typhus	...	...	...	...	1	...	...	...	...	...	...	...	1
36	40	Ankylostomiasis	...	...	...	...	...	1	...	...	...	...	...	...	1
36	42	Other diseases due to Helminths	...	...	...	...	...	...	...	...	...	...	1	...	1
36	43	Mycoses	...	...	1	...	...	...	1	...	...	...	...	...	3
36	44	Other Infective or Parasitic Diseases—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(b) Pernicious lympho granulomatosis (Hodgkins diseases)	...	...	1	...	...	...	...	...	...	1	...	...	2
<b>II.—Cancer and other Tumours.</b>															
45*		Cancer of the Buccal Cavity and Pharynx	...	...	...	...	1	...	...	...	...	...	...	...	1
		(b) Tongue	1	2	1	1	3	3	1	2	2	2	...	1	19
		Females	...	...	...	...	...	...	2	...	...	...	...	...	2
13		(c) Other and Unspecified sites	...	...	1	2	1	2	1	1	2	1	...	1	11
		Females	...	...	1	...	1	4	1	1	1	...	...	...	9
46		Cancer of the digestive organs and peritonium	...	...	...	...	...	...	...	...	...	...	...	...	...
		* (a) Oesophagus	3	1	1	3	...	1	6	4	3	2	4	5	33
		Males	1	2	1	...	...	1	1	...	1	...	...	1	7
		Females	5	2	5	4	5	2	4	2	3	1	4	5	42
14		(b) Stomach and duodenum	...	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Intestines other than duodenum or rectum	1	3	2	1	1	1	5	...	3	3	2	2	24
		(d) Rectum	2	...	2	...	2	1	2	...	1	...	2	1	13
16		(e) Liver and biliary passages	1	1	5	...	...	1	2	...	1	1	3	2	18
		(f) Pancreas	...	1	...	...	1	...	...	2	...	...	...	...	4
		(g) Peritonium	...	...	...	2	1	...	...	1	...	...	...	...	5
		(h) Other or Unspecified digestive organs	...	...	...	1	...	...	...	...	...	...	...	...	1
16	47	Cancer of the respiratory system—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Larynx and trachea	2	4	4	7	2	4	...	2	6	4	3	5	43
		(b) Bronchi, lung and pleural	3	2	1	2	4	2	1	1	2	2	1	3	24
13	48	Cancer of the Uterus—	1	...	...	...	...	...	...	...	...	...	...	...	2
		(a) Cervix Uteri	...	3	3	1	...	2	...	...	1	3	...	...	13
		(b) Other Unspecified sites	...	...	...	1	2	...	...	1	1	...	...	...	5

\* Males are tabulated in short list No. 13 and females in No. 16 of detailed list Nos. 45, 46a.



Table No. 12—Contd.

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1942—Contd.

Classification No.	SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL.
	<i>VI.—Diseases of the nervous system and sense organs.—(Contd.)</i>													
85	Epilepsy	2	...	1	1	1	...	4	...	1	1	3	...	14
86	Convulsions in children under 5 years of age	39	46	38	20	11	24	29	25	30	33	28	22	345
87	Other Diseases of the Nervous System—	...	...	...	...	...	...	...	...	...	...	...	...	...
	(b) Neuritis (non-Rheumatic)	...	1	1	...	...	...	...	...	...	...	...	...	2
	(c) Other diseases included under 87	...	...	...	...	...	...	...	...	...	...	1	...	1
	(1) Convulsions of undetermined origin (age 5 and over)	...	...	...	...	...	1	...	...	...	...	...	...	1
	(2) Other diseases included under 87(c)	2	...	...	...	...	1	...	1	...	...	...	...	4
89	Diseases of the Ear and of the Mastoid Antrum—	...	...	...	...	...	...	...	...	...	...	...	...	...
	(a) Otitis and other diseases of the Ear	1	...	1	...	...	...	...	1	...	...	...	...	3
	(b) Diseases of the Mastoid Antrum	...	1	...	...	...	...	...	...	...	...	...	2	3
	<i>VII.—Diseases of the Circulatory System.</i>													
90	Pericarditis	2	...	1	1	...	2	3	2	...	...	1	...	12
91	Acute Endocarditis	...	1	1	1	...	2	1	2	2	3	1	...	14
92abc	Chronic Affections of the valves and endocardium	14	7	5	6	3	9	8	2	7	6	3	6	76
93a	Acute Myocarditis	...	...	...	...	...	...	...	...	1	1	...	...	2
93b	Chronic Myocarditis specified as Rheumatic	...	...	...	...	1	...	...	...	...	...	...	...	1
93c	(1) Cardio vascular degeneration	1	...	1	...	...	...	...	1	...	...	...	...	3
	(2) Myocardial degeneration described as Fatty	...	...	...	2	...	1	...	...	...	...	1	2	6
	(3) Other Myocardial degeneration	3	2	4	2	...	...	1	4	1	2	...	1	20
93d	Myocarditis (not distinguished as acute or chronic)	3	2	...	1	...	1	1	1	4	2	2	...	17
94	Diseases of the Coronary Arteries, Angina Pectoris	22	18	20	17	9	17	22	25	17	24	17	23	231
95	Other Diseases of the Heart—	...	...	...	...	...	...	...	...	...	...	...	...	...
	(a) Functional heart disease (without mention of organic lesion)	...	...	1	...	...	...	1	3	...	...	...	...	5
	(b) Heart Disease specified as Rheumatic but otherwise ill defined	...	1	...	...	...	...	1	...	...	3	...	...	2
	(c) Other diseases included under 95	4	1	6	3	2	3	1	3	...	3	3	11	40
97	Arterio Sclerosis (excluding Coronary or Renal Sclerosis or Cerebral Haemorrhage)	1	1	1	2	...	...	2	...	3	...	4	...	7
98	Gangrene	3	2	1	1	2	4	...	3	3	2	4	...	27
99	Other Diseases of the arteries	1	3	2	...	2	2	...	...	...	1	...	...	11
100	Diseases of the Veins—	...	...	...	...	...	...	...	...	...	...	...	...	...
	(a) Varices	1	...	1	2	...	...	...	...	...	...	...	1	6
101	Diseases of the Lymphatic system	...	1	...	...	...	...	...	...	1	...	...	1	3
102	High Blood Pressure (Idiopathic)	...	4	2	1	1	2	1	2	2	1	4	2	22
103	Other Diseases of the Circulatory system	...	...	2	2	...	3	...	1	...	1	1	2	12
	<i>VIII.—Diseases of the Respiratory System</i>													
105	Diseases of the Larynx	...	2	...	...	...	1	1	...	...	3	1	1	9
106A	Acute Bronchitis	1	1	2	...	1	...	...	2	...	...	...	2	9
106B	Chronic Bronchitis	45	12	21	19	19	20	32	26	20	21	16	28	279
106C	Bronchitis (not distinguished as acute or chronic)	15	14	9	7	2	1	2	5	8	7	8	6	84
107	Broncho Pneumonia	418	426	419	297	229	229	340	395	311	283	273	276	3,896
108	Lobar Pneumonia	15	14	14	4	12	14	16	8	5	11	19	21	153
109	Pneumonia (Unspecified)	232	235	213	149	132	130	168	166	194	156	159	193	2,127
110A	Empyema	2	1	4	4	5	1	4	5	...	...	...	3	30
110B	Other or Unspecified forms of Pleurisy	1	4	2	1	2	...	3	...	3	...	2	1	19
111	Congestion Oedema Haemorrhagic infection and Thrombosis of Lungs	13	7	10	13	7	3	6	9	8	12	13	7	108
112	Asthma	99	94	107	72	75	55	66	76	74	98	65	104	985
113	Pulmonary Emphysema	...	2	1	1	1	...	...	...	...	...	...	1	6
114C	Gangrene of Lung	2	...	...	...	...	...	1	...	...	...	...	...	3
114D	Abscess of Lung	3	3	2	2	1	2	2	3	2	3	2	...	25
114E	Other Diseases included under 114 not specified as occupational	...	...	...	...	...	...	1	...	...	...	...	...	1
	(2) Other Diseases included under 114(E)	2	1	1	...	...	...	1	...	...	...	1	...	6
	<i>IX.—Diseases of the Digestive System.</i>													
115a	Diseases of the teeth and gums	...	...	1	...	...	...	...	...	...	...	...	1	2
115b	Septic sore throat—	...	...	...	...	...	...	...	...	...	...	...	...	...
	(1) With mention of tonsillectomy	...	...	1	...	...	...	...	1	...	...	...	...	2
115c	Other Diseases of the Pharynx and tonsils	...	...	...	...	...	1	1	...	...	...	1	...	3
	(1) With mention of tonsillectomy	...	...	...	...	...	...	...	1	...	...	1	...	3
	(2) Others with mention of tonsils	...	...	1	...	...	...	...	...	...	...	...	...	2
	(3) Other Diseases included under 115(c)	...	...	...	...	...	...	...	...	...	...	...	...	...
117	Ulcer of the stomach or duodenum —	...	...	...	...	...	...	...	...	...	...	...	...	...
	(a) Ulcer of the stomach	2	4	1	3	2	...	2	1	4	4	1	2	26
	(b) Ulcer of the duodenum	...	1	1	1	...	1	1	2	1	3	2	...	13
118	Other diseases of the stomach	3	2	3	1	...	...	3	1	2	2	4	1	22
119-120	Enteritis and Diarrhoea	60	44	56	43	34	52	117	142	83	70	62	56	819
121	Appendicitis	6	1	4	1	...	5	1	4	3	2	1	6	34

Table No. 12—Contd.

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1942—Contd.

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL	
Short List.	Detailed List.															
<i>IX.—Diseases of the Digestive System— (Contd.)</i>																
27	122a	Hernia	2	...	1	...	2	3	3	1	4	4	4	2	26	
	122b	Intestinal Obstruction	2	6	5	2	1	3	6	4	1	1	6	2	39	
		(1) Intussusception	...	...	...	...	1	...	...	...	4	5	...	...	10	
		(2) Paralytic ileus without stated cause	...	...	...	2	1	3	1	...	...	1	1	3	12	
		(3) Other or Unspecified forms of Intestinal obstruction	1	...	1	...	1	...	...	...	...	1	...	...	4	
		123 Other Diseases of the intestines	3	2	4	...	1	1	1	1	1	1	4	...	19	
		124 Cirrhosis of Liver	9	19	6	10	5	11	7	15	13	15	10	26	146	
		125A Acute yellow atrophy (not associated with pregnancy)	...	...	2	...	1	1	...	1	...	1	...	1	7	
		125B Other Diseases of the Liver	13	5	7	10	5	...	12	10	8	13	15	6	104	
	27	126	Biliary Calculi	1	...	...	...	...	...	1	1	...	...	...	4	
	127	Other Diseases of the Gall Bladder and Bile Ducts	3	2	1	...	1	...	...	1	2	...	1	11		
	128	Diseases of the Pancreas (other than diabetes)	1	...	...	...	1	...	1	...	...	1	...	4		
	129	Peritonitis without stated cause	5	4	11	3	6	4	3	3	7	4	6	63		
<i>X.—Diseases of the Urinary and Genital System. (Not Venereal or connected with Pregnancy or the Puerperium)</i>																
28	130	Acute Nephritis	3	...	6	3	2	2	4	2	4	3	2	1	32	
	131	Chronic Nephritis	6	1	...	2	3	2	2	3	1	1	2	5	28	
	132	Nephritis not stated to be Acute or Chronic	17	13	9	8	15	9	7	7	9	14	12	9	129	
	133	Other Diseases of the Kidney and Ureters	5	6	3	1	1	2	4	...	3	3	2	3	33	
	134	Calculi of the Urinary Passages	...	...	...	1	...	...	1	1	...	...	...	1	3	
	135A	Cystitis	...	...	...	...	...	1	1	1	1	...	...	1	5	
	135B	Other Diseases of the Bladder	1	...	...	...	...	...	...	...	3	...	1	...	5	
	136B	Other Diseases of the Urethra, etc.	...	...	1	2	...	1	...	1	...	1	...	2	8	
	36	137	Diseases of the Prostate	...	...	2	...	...	1	...	...	...	...	...	3	
		138	Diseases of other male genital organs	...	2	1	...	...	...	...	...	...	...	1	4	
	139	Diseases of female genital organs— (a) Diseases of the ovary, fallopian tube and Parametria (b) Diseases of Uterus	1	...	1	...	1	...	...	...	...	1	...	4		
			1	...	...	...	...	1	...	...	...	1	2	4		
<i>XI.—Diseases of Pregnancy, Child-Birth and the Puerperal State.</i>																
29	140	Post-abortive Sepsis	...	1	...	2	...	...	...	1	...	1	...	...	5	
	141	Abortion without mention of septic conditions	...	1	...	...	...	...	...	...	...	...	2	2	5	
	142	Ectopic Gestation	...	1	1	...	1	...	...	...	...	...	...	...	3	
	143	Haemorrhage of Pregnancy	...	...	...	...	...	...	...	...	2	...	...	2	4	
	144	Toxaemia of Pregnancy	2	1	...	...	1	...	2	2	2	1	1	1	13	
	145	Other Diseases and Accidents of Pregnancy	...	...	1	...	...	1	...	...	1	1	1	...	5	
	30	146	Haemorrhage of child-birth and Puerperium— (a) Placenta Praevia (with child-birth) (b) Premature Separation of Placenta (with child-birth) (c) Other Haemorrhages of child-birth (d) Other Haemorrhages after child birth	1	1	...	...	1	...	...	...	1	...	1	2	6
				1	...	...	...	...	...	...	1	...	...	...	1	
				...	2	2	1	...	...	4	2	4	2	2	19	
	29	147	Infection during child birth and the Puerperium	...	3	2	3	2	2	5	...	1	5	...	1	24
	148	Puerperal Toxaemia— (a) Puerperal eclampsia (c) Acute yellow atrophy of liver (Post-Partum)	...	1	...	...	...	...	...	...	1	...	...	...	1	
30			...	...	...	...	...	...	...	...	1	...	...	1		
	149	Other accidents of child birth	...	7	...	3	...	1	2	4	2	4	3	28		
	150	Other or Unspecified conditions of child birth and Puerperal state	...	...	...	...	...	2	1	...	...	1	...	4		
<i>XII.—Diseases of the Skin and Cellular Tissue</i>																
36	151	Carbuncle, Boils	1	1	1	...	1	...	2	1	...	1	2	...	10	
	152	Cellulitis, Acute Abscess	4	...	2	2	3	3	3	3	...	1	4	3	28	
	153	Other Diseases of the Skin and Cellular Tissues	1	2	3	3	...	1	1	...	1	...	1	3	16	
				...	...	...	...	...	...	...	...	...	...	...	1	
<i>XIII.—Diseases of the Bones and Organs of Movements</i>																
36	154	Osteomyelitis and Periostitis	3	...	...	...	...	3	1	2	1	...	...	...	10	
	155	Other diseases of the bones	...	2	...	...	...	1	...	...	...	...	...	...	3	
	156	Diseases of the joints and other organs of movements.	...	...	...	...	...	1	...	...	...	...	...	1	2	
<i>XIV.—Congenital Malformation</i>																
32	157	Congenital Malformations	6	7	4	3	1	3	4	7	7	1	2	3	48	

Table No. 12—Contd.

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1942—Contd.

Classification No.		SPECIFIC CAUSES OF DEATH.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL
Short List.	Detailed List.														
<i>XV.—Diseases peculiar to the First Year of Life</i>															
32	158	Congenital Debility	230	191	157	112	75	92	168	198	177	189	153	180	1,922
31	159	Premature Birth	98	58	44	36	37	51	71	73	84	92	70	102	816
	160	Injury at Birth	3	2	1	...	2	2	2	7	2	2	3	3	29
	161	Other diseases peculiar to the first year of life—	...	...	...	...	...	...	...	1	...	...	...	...	1
32		(a) Asphyxia during or after birth, Atelectasis.	15	4	7	1	6	1	4	8	8	4	5	3	66
		(b) Intoxication due to maternal toxæmia, Antenatal toxæmia.	...	...	...	...	...	...	...	1	...	...	...	...	1
		(c) Infections of the New born	...	...	...	...	...	1	...	...	1	1	1	2	6
		(2) Pemphigus neonatorum	...	1	...	...	1	...	...	...	1	...	3	...	6
		(d) Other specified diseases included under 161.	8	4	3	1	2	...	1	3	...	3	...	1	26
<i>XVI.—Senility, Old age</i>															
L	162A	Old age	20	2	17	5	5	3	2	2	8	96	12	11	183
	162C	Senility without mention of senile dementia...	262	200	163	115	122	100	139	158	129	72	175	210	1,845
<i>XVII.—Deaths from Violence Suicide (163-164)</i>															
	163	Suicide by Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Suicide by solid or liquid toxic or corrosive substances.	...	...	...	...	...	1	...	...	2	...	...	1	4
		(1) By Corrosive substances	...	...	1	1	...	...	...	...	...	1	...	...	3
		(2) By analgesic and narcotic drugs	...	...	1	1	2	1	...	4	1	3	2	2	17
		(3) By Soporific drugs	...	1	...	...	...	1	...	1	...	...	...	...	2
		(4) By other solid or liquid poisons	...	2	2	...	1	1	1	1	...	...	...	...	8
33	164	Other forms of suicide—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Suicide by hanging or strangulation	3	1	1	2	2	1	1	4	2	2	...	1	20
		(b) Suicide by drowning	...	...	...	...	...	...	1	...	1	...	...	...	2
		(c) Suicide by fire arms and explosives	1	...	...	2	...	...	...	...	1	2	...	...	6
		(d) Suicide by cutting or piercing instruments.	...	1	...	...	1	...	...	...	...	...	...	1	3
		(e) Suicide by Jumping from high places.	...	...	1	...	...	...	...	...	...	1	...	...	2
		(1) Suicide on railways	1	...	...	1	2	...	...	1	...	1	...	...	7
		(g) Suicide by other or Unspecified means.	...	1	...	...	1	...	...	...	...	...	2	...	4
<i>Homicide (165-168)</i>															
35	165	Infanticide (Infants under 1 year)	...	...	...	...	...	...	1	...	2	...	...	...	2
	166	Homicide by Firearms	...	...	...	...	...	...	...	...	...	...	...	...	1
	167	Homicide by cutting or piercing instruments.	2	4	7	6	6	3	3	1	5	7	5	5	54
	168	Homicide by other or Unspecified means	3	1	...	1	2	...	1	...	...	...	1	2	11
	169	Railway accidents (any cause of death except war.)	6	4	13	4	8	4	11	6	9	6	10	7	88
34	170	Motor Vehicle Accidents (any cause of death except war.)	5	8	10	6	10	10	14	10	6	...	...	...	79
		(a) Collisions with trains	...	...	...	...	...	...	...	...	...	4	...	1	5
		(b) Collisions with tram	1	...	...	...	...	...	...	2	1	...	...	...	4
		(c) Other accidents included under 170	...	...	...	...	...	...	...	...	...	...	9	8	17
34	171	Other Road Transport Accidents (any cause of death except war).	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Tramway accidents on roads	...	...	...	...	3	...	1	...	1	5	1	...	11
		(b) Other accidents included under 171	1	2	...	1	2	1	1	...	...	...	...	2	10
	172	Water Transport accidents (any cause of death except war.)	...	...	...	7	...	...	...	...	...	...	...	...	7
	173	Air Transport Accidents (any cause of death except war.)	...	...	...	...	...	...	...	1	...	...	...	...	1
	176	Accidents caused by Machinery (any cause of death).	...	...	...	2	2	...	...	1	...	...	...	...	5
	177	Food poisoning	...	1	...	...	...	...	...	...	...	...	...	...	1
	178	Accidental Absorption of Poisonous gas—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Carbon Monoxide	...	...	...	...	1	...	...	...	...	...	...	...	1
		(d) Accidental absorption of any other irrespirable or poisonous gas included in 178.	...	1	...	...	...	...	...	...	...	...	...	1	4
35	179	Other acute Accidental poisoning (not by gas)	...	...	1	1	...	1	...	...	...	...	...	...	1
		(b) Other acute accidental poisoning not by gas included in 179.	...	1	...	2	1	...	...	...	3	...	2	2	11
	180	Conflagration	...	...	7	...	...	2	10	8	...	...	...	...	1
	181	Accidental Burns (conflagration excepted)	16	9	1	6	1	2	4	54	...	3	14	22	102
	182	Accidental Mechanical Suffocation	1	...	...	...	...	4	4	...	6	...	...	...	60
	183	Accidental drowning	8	10	8	2	10	4	4	6	9	4	6	4	75
	184	Accidental Injury by Firearms	...	...	...	...	1	2	...	...	...	...	...	...	39
	185	Accidental Injury by cutting or piercing instruments	1	...	...	...	...	...	...	1	1	...	...	...	3
	186	Accidental Injury by fall, crushing, land slides, etc.	12	11	14	9	4	9	4	12	14	11	7	8	115
	189	Hunger or Thirst	...	...	...	...	...	...	2	...	...	...	...	...	2

Table No. 12—Concl'd.

## TABLE OF DEATHS BY CAUSES AND MONTHS IN 1942—Concl'd.

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 (165-168)—(Contd.)</i>													
	191	Excessive Heat ...	...	...	...	...	1	6	...	...	...	...	...	...	7
	193	Other Accidents due to Electric Currents ...	...	...	...	...	1	1	1	...	...	...	...	...	3
	194	Attack by Venomous Animals—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Hydrophobia ...	1	1	1	1	1	1	...	...	...	1	...	...	7
		(b) Snake Bites ...	1	...	...	...	1	2	...	...	1	...	...	...	5
35	195	Other Accidents—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(d) Other and Unspecified accidents under 195.	11	12	11	5	16	17	12	3	7	22	15	20	151
	197	Deaths of civilians due to operation of war—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(b) From wounds ...	...	...	...	3	...	...	...	...	...	...	...	...	3
		<i>XVIII.—Ill-Defined causes of Deaths.</i>													
36	199	Sudden Death ...	1	...	...	1	...	...	...	...	...	...	...	...	2
36	200	Causes of Death unstated or Ill-defined ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Ill-defined Causes—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(1) Heart failure ...	54	57	38	35	32	23	41	40	48	46	53	54	521
		(2) Fever not defined ...	14	15	9	19	14	21	10	13	8	13	11	10	157
		(3) Other ill-defined causes ...	28	28	22	15	15	18	21	22	9	14	16	20	228
		(b) Found, dead, Cause unknown ...	2	...	...	...	1	...	...	...	...	1	...	...	4
		(c) Other deaths from Unknown or Unspecified cause ...	2	1	...	2	3	2	3	3	4	7	3	2	32



Table No. 13.

## DEATHS AMONG INFANTS BY CAUSES, MONTHS AND AGES IN 1942.

Cause 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.
38a Malaria ...	9	1	...	...	...	...	1	...	1	...	3	1	2	...	...	4	5
38b Ague and Remittent Fever ...	9	1	1	2	1	...	1	...	1	...	1	...	1	1	...	2	6
6 Small-pox ...	107	8	24	44	25	3	2	...	...	...	...	...	1	...	2	46	59
7 Measles ...	47	2	22	13	4	2	2	1	1	...	...	...	...	...	2	16	29
8 Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Whooping Cough ...	5	1	...	3	1	...	...	...	...	...	...	...	...	...	...	2	3
10 Diphtheria ...	10	1	4	1	...	...	...	...	1	1	2	...	...	...	...	3	7
11 Influenza ...	4	1	...	...	2	...	...	...	...	1	...	...	...	...	...	...	4
12 Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13 Dysentery ...	45	7	1	4	3	1	2	6	10	6	2	2	1	...	1	15	29
14 Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Cerebro-Spinal Fever ...	3	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	3
23 Tuberculosis of Respiratory system ...	7	1	...	1	1	...	...	2	...	...	1	1	...	...	...	...	7
24-32 Other Tuberculosis Diseases ...	14	...	...	1	2	2	2	1	1	1	1	1	2	1	...	4	9
34 Syphilis ...	12	4	1	...	1	1	...	...	...	...	1	3	1	1	2	4	5
63 Rickets ...	56	6	7	9	...	2	...	4	8	2	6	7	5	2	1	10	43
86a Convulsions ...	227	32	37	31	11	2	6	16	16	22	24	17	13	50	33	85	59
106 Bronchitis ...	30	3	3	1	2	...	5	7	...	1	1	4	3	...	1	16	13
107-109 Pneumonia (all forms) ...	1,943	181	186	201	145	106	147	214	187	148	172	121	135	23	43	742	1,135
104, 105, 110-114 Other Respiratory Diseases ...	16	5	1	1	...	...	1	2	3	...	...	2	1	3	3	3	7
118-1 Gastritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
119-120 Diarrhoea and Enteritis ...	373	28	29	29	23	18	21	45	68	32	28	30	22	18	48	172	135
157 Congenital Malformation, Injury at Birth ...	2,055	259	195	168	115	81	97	177	221	192	196	166	188	671	682	514	188
159 Premature-Birth ...	816	96	58	44	36	37	51	71	73	84	92	70	104	697	105	14	...
161a Atelectasis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200-2b Suffocation Over-Lying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200-2a G Fever not defined ...	43	3	6	2	5	7	3	1	4	2	5	3	2	8	8	21	6
Other Causes ...	333	33	26	21	27	29	33	37	20	26	28	26	27	48	57	108	220
<b>Total ...</b>	<b>6,164</b>	<b>673</b>	<b>601</b>	<b>578</b>	<b>405</b>	<b>291</b>	<b>374</b>	<b>584</b>	<b>615</b>	<b>518</b>	<b>563</b>	<b>454</b>	<b>508</b>	<b>1,523</b>	<b>988</b>	<b>1,781</b>	<b>1,872</b>

Table No. 14.

TABLE SHOWING BY RACE THE RATE OF MORTALITY PER 1,000 OF POPULATION FROM DIFFERENT CAUSES OF DEATHS IN 1942.

Race and Caste.	Small-pox.	Measles.	Plague	Scarlet fever.	Kala-Azar.	Enteric fever.	Malaria.	Ague and Remittent fever.	Relapsing fever.	Influenza.	Cholera.	Diar-rhoea and Enteritis.	Dysen-tery.	Tuber-culosis.	Respi-ratory diseases.	Acci-dents.	All other causes.	Total
Hindus (scheduled class)	.57	.46	...	...	...	.11	.05	.77	...	.06	...	1.06	.32	.71	15.70	.73	15.97	36.46
Hindus of all other Castes	.47	.11	...	...	...	.20	.06	.24	...	.01	..	.43	.17	.96	4.57	.67	6.60	14.5
Hindus all Castes	.43	.11	...	...	...	.26	.07	.21	...	.01	...	.42	.16	.92	4.26	.62	6.62	14.08
Mussalmans	.26	.12	...	...	...	.17	.08	.39	...	.03	...	.53	.27	1.73	5.38	.63	9.20	18.8
Parsees	.08	...	...	...	...	.04	.02	.01	...	.02	...	.79	.17	.25	1.62	.48	9.51	13.8
Jews	.09	...	...	...	...	.03	...	.29	...	...	...	1.35	.58	.77	2.98	.38	9.81	16.55
Christians	.48	.03	...	...	...	.04	.09	.04	...	0.6	...	1.07	.42	1.92	3.83	.63	9.9	18.85
Anglo-Indians	.11	...	...	...	...	.01	.23	...	...	...	...	1.25	.11	1.36	2.16	.57	6.7	11.48
Europeans	.46	...	...	...	...	.08	.69	...	...	...	...	.46	.46	.15	1.77	2.92	3.23	14.92
Budhists	...	...	...	...	...	2.2	1.09	...	...	...	...	...	...	12.6	6.58	4.39	13.15	39.47
Other and unknown Castes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	.14	1.08	2.78
Total	.39	.12	...	...	...	.25	.07	.26	...	.02	...	.55	.21	1.06	5.19	.71	8.1	16.9



**Table No. 15—Concl.**  
**TABLE OF DEATHS BY AGES, SEXES AND CAUSES IN 1942—concl.**

No. in Short List.	Corresponding No. in detailed List.	Causes of deaths.	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.		
1	1-2	Typhoid and Para Typhoid Fever	92	33	50	22	23	5	6	4	3	1	...	...	261	114	375	1
2	6	Cerebro-Spinal Fever	7	2	2	2	3	1	2	1	1	...	...	21	8	29	2	
3	8	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	9	Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	7	4	11	4
5	10	Diphtheria	...	...	1	...	1	...	...	...	...	...	...	...	34	21	55	5
6	13	Tuberculosis of Respiratory System	188	192	246	129	173	46	101	21	52	22	...	...	819	487	1306	6
7	14-22	Other forms of Tuberculosis	22	37	23	26	9	14	8	5	2	1	...	...	135	140	275	7
8	30	Syphilitic disease	6	1	9	2	12	...	11	3	...	...	...	...	50	11	61	8
9	33	Influenza	1	2	3	1	3	1	2	...	3	1	...	...	19	10	29	9
10	35	Measles	1	2	2	2	...	...	...	...	...	...	...	...	90	96	186	10
11	36	Acute Poliomyelitis and Polioencephalitis	...	...	...	...	2	1	...	...	...	...	...	...	7	4	11	11
12	37	Acute infectious encephalitis	...	1	1	...	...	...	...	...	...	...	...	...	2	1	3	12
13M	45-46A	Cancer of buccal cavity and Oesophagus (Males)	1	...	10	...	18	...	20	...	15	...	...	...	64	...	64	13
13F	48	Cancer of Uterus	...	2	...	3	...	4	...	5	...	6	...	...	...	20	20	13
14	46B	Cancer of Stomach and duodenum	...	1	1	...	7	1	12	4	13	1	...	...	35	7	42	14
15	50	Cancer of breast	...	1	...	2	...	3	...	5	...	8	...	...	...	19	19	15
16	45-46A females	Cancer of all other Sites	9	5	11	6	45	15	48	14	49	29	...	...	171	73	244	16
17	46-c-h, 47,49,51,55	Diabetes	5	...	6	2	20	7	15	7	22	21	...	...	69	37	106	17
18	61	Intra cranial Vascular Lesions	8	5	26	5	48	17	53	15	73	54	...	...	224	105	329	18
19	83	Heart disease	29	7	55	9	79	11	76	25	80	35	...	...	339	90	429	19
20	90-95	Other diseases of Circulatory system	8	4	7	2	13	2	18	5	14	10	...	...	63	25	88	20
21	96-103	Bronchitis	10	8	20	17	37	21	44	27	49	34	...	...	210	162	372	21
22	106	Pneumonia	292	143	283	121	275	81	190	64	164	80	...	...	3400	2776	6176	22
23	107-109	Other Respiratory Diseases	51	26	98	37	155	53	227	93	242	151	...	...	802	390	1192	23
24	110,114	Ulceration of the Stomach or duodenum	7	...	8	...	13	1	8	...	1	...	...	...	37	2	39	24
25	117	Diarrhoea	23	14	18	12	29	14	28	15	26	30	...	...	459	360	819	25
26	119-120	Appendicitis	6	...	6	1	5	2	4	...	3	...	...	...	29	5	34	26
27	121	Other digestive diseases	51	19	49	24	62	13	49	13	33	9	...	...	330	153	483	27
28	115,116,118,122-129	Nephritis	11	4	9	5	18	7	18	13	43	33	...	...	114	75	189	28
29	130-132	Puerperal and Post Abortive Sepsis	...	14	...	8	...	4	...	1	...	...	...	...	...	29	29	29
30	140-147	Other Maternal Causes	...	35	...	44	...	4	...	...	...	...	...	...	...	93	93	30
31	141-146,148-150	Premature birth	...	...	...	...	...	...	...	...	...	...	...	...	455	361	816	31
32	157,158,160,161	Congenital Malformation, injury at birth	...	...	...	...	...	...	...	...	...	...	...	...	1144	961	2105	32
33	163-164	Suicide	22	3	24	3	12	2	5	...	1	...	...	...	68	10	78	33
34	163-164	Road Traffic Accident	19	3	25	1	14	2	11	4	10	8	...	...	101	25	126	34
35	165-169,172-198	Other Violent causes	182	30	147	44	79	8	44	11	36	18	...	...	592	168	760	35
	34	(A) Small-pox	107	42	46	13	7	2	5	2	3	4	...	...	343	248	591	36
	3	(B) Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	29	(C) Kala-Azar	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	
	28a	(D) Malaria	30	7	19	1	8	4	4	1	4	1	...	...	84	25	109	
	28b	(E) Ague and Remittent Fever	54	27	48	28	35	11	24	9	11	5	...	...	238	162	400	
	31	(F) Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	200: 2a	(G) Fever not defined	18	3	12	12	8	...	4	5	9	7	...	...	87	70	157	
	4	(H) Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	27	(J) Dysentery	22	9	30	12	27	3	18	5	16	15	...	...	207	108	315	
	23	(K) Leprosy	5	2	16	1	24	5	12	2	3	1	...	...	63	11	74	
	162	(L) Other defined diseases	...	...	...	...	3	...	75	56	919	975	...	...	997	1031	2028	
		(M) All other causes	220	471	331	406	321	233	266	143	206	176	...	...	2138	2371	4509	
		All ages	1,507	1,155	1,642	1,003	1,589	998	1,408	578	2,112	1,737	...	...	14,309	10,868	25,177	
			2,662	2,645	2,187	1,986	3,849	25,177	25,177	25,177	25,177	25,177	25,177	25,177	25,177	25,177	25,177	
			10.6	10.5	8.7	7.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	

Table No. 16.

SUMMARY OF SANITARY INSPECTIONS MADE AND SANITARY IMPROVEMENTS  
SECURED BY THE S. M. I's, J. M. I's AND MEDICAL ASSISTANTS IN 1942.

	No. of Inspections, etc., by	
	S. M. I's and J. M. I's.	Medical Assistants.
<i>A—Nature of Inspection or premises visited—</i>		
1. Dwelling Houses ...	8,122	31,069
2. Milch Cattle Stables ...	2,033	5,055
3. Other Stables ...	1,036	3,062
4. Dairies and Milkshops ...	4,490	5,018
5. Eating Houses ...	8,260	16,700
6. Other premises where food is sold ...	5,715	6,429
7. Aerated Water Works ...	184	241
8. Other Workshops and Factories ...	5,821	14,316
9. Accumulations of Refuse ...	1,342	3,495
10. Building Works ...	...	...
11. Drains and Fittings ...	3,824	11,806
12. Other Inspections and Inquiries ...	10,858	34,104
13. Markets ...	556	...
<b>Total No. of Inspections ...</b>	<b>52,241</b>	<b>1,31,295</b>
<i>B—Works, etc., completed—</i>		
1. Dwellings—	1,075	2,637
(a) Limewashed ...	4	11
(b) Water supply provided ...	...	22
(c) Overcrowding abated ...	...	237
(d) Insanitary dwellings evacuated ...	125	...
2. Stables—	1	162
(a) Paved and drained ...	147	178
(b) Cleaned and refuse removed ...	...	...
(c) Licence cancelled ...	...	...
3. Eating Houses, Dairies, etc.—	668	1,224
(a) Regulations enforced ...	...	...
(b) Licences cancelled ...	...	...
4. Factories and Workshops—	16	101
Limewashing, etc., carried out ...	...	...
5. Drains, etc., repaired ...	1,678	3,864
6. Privies abolished ...	30	26
7. New W. Cs. provided ...	88	130
8. Accumulation of Refuse removed ...	451	1,033
9. Other Works completed ...	1,039	2,318
<b>Total Sanitary Work completed ...</b>	<b>5,862</b>	<b>11,946</b>

Table No. 17.

METEOROLOGICAL DATA (GOVERNMENT OBSERVATORY, COLABA), LATITUDE 18°-53'-36" NORTH LONGITUDE 72°-48'-56" EAST.

Months.	WIND.		TEMPERATURE.						HUMIDITY AT 8 HOURS.		RAINFALL.						
	Direction.	Mean Velocity in Miles per hour.	Mean Maximum Temperature.	Departure from Normal.	Highest in month.	Mean Minimum Temperature.	Departure from Normal.	Lowest in month.	Mean.	Departure from Normal.	Total rainfall in the month.	Departure from Normal.	Heaviest fall in one day.		Minimum fall in one day.		Number of rainy days.
													Inches.	Date.	Inches.	Date.	
1942			°	°	°	°	°	°	%	%	"	"					
January	...	...	83.2	+0.6	92.6	67.2	+0.8	61.9	...	...	...	...	...	...	...	...	...
February	...	...	85.6	+2.8	93.8	70.7	+3.7	64.0	...	...	...	...	...	...	...	...	...
March	...	...	87.2	+1.5	92.0	73.5	+1.9	68.4	...	...	...	...	...	...	...	...	...
April	...	...	90.8	+2.4	94.1	78.9	+3.1	74.6	...	...	...	-0.04	...	...	...	...	...
May	...	...	92.2	+1.5	94.0	81.4	+2.2	79.2	...	...	...	-0.68	...	...	...	...	...
June	...	...	89.0	+0.8	94.6	79.5	+1.2	73.3	...	...	2.739	+7.71	7.03	28th	0.00	...	1
July	...	...	85.3	+0.1	87.8	77.0	+0.7	73.7	...	...	32.36	+8.41	4.38	19th	0.01	13th	31
August	...	...	85.3	+0.5	87.4	76.4	+0.7	73.9	...	...	8.24	-4.97	1.45	27th	0.01	9th	27
September	...	...	87.4	+2.4	89.8	76.6	+1.3	74.2	...	...	13.45	+3.16	5.25	3rd	0.02	7th	19
October	...	...	91.1	+2.5	96.2	75.9	+0.7	72.2	...	...	0.00	-2.06	0.00	...	0.00	...	...
November	...	...	90.9	+1.9	97.3	71.3	-0.7	67.8	...	...	Nil.	-0.39	Nil.	...	Nil.	...	...
December	...	...	86.0	-0.4	91.8	68.7	+0.2	65.0	...	...	0.29	+0.24	0.29	21st	0.29	21st	1

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