



ADMINISTRATION REPORT

OF THE

MUNICIPAL COMMISSIONER

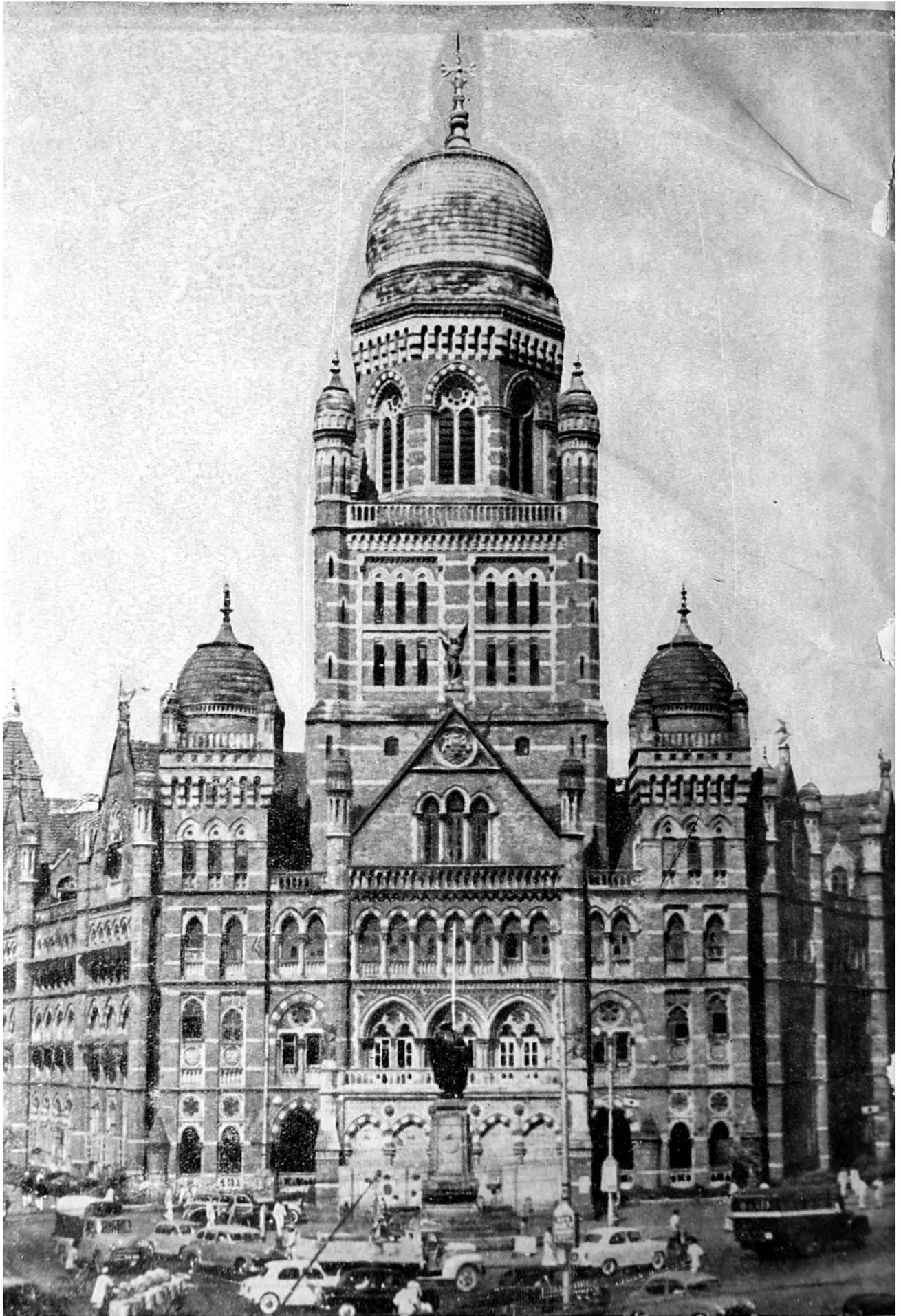
FOR

GREATER BOMBAY

For the Year 1967-68

CITY, SUBURBS AND EXTENDED SUBURBS

BOMBAY
PRINTED AT THE MUNICIPAL PRINTING PRESS
1968



MUNICIPAL HEAD OFFICES



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**REVIEW OF THE STANDING COMMITTEE OF THE ADMINISTRATION
REPORT OF THE MUNICIPAL COMMISSIONER FOR
GREATER BOMBAY FOR THE YEAR 1967-68.**

The Administration Report submitted by the Municipal Commissioner, gives in detail the working of the various Municipal Departments for the year 1967-68.

CORPORATION

2. Dr. J. Leon D'Souza was elected Mayor of Bombay for the year under report and he continued to hold that office throughout the year. Shri R. G. Mirashi was the Chairman of the Standing Committee, Shri M. H. Bedi, was the Chairman of the Improvements Committee and Shri P. G. Mohadikar was the Chairman of the Education Committee for the year under report and they continued to hold their respective offices throughout the year.

Commissioner.

3. Shri J.H. Patwardhan held the post of Municipal Commissioner and continued throughout the year under report.

Complaints Section.

This Section dealt with the complaints concerning Municipal Services received from the public about repairs to buildings, water supply, drainage, sanitation, etc., Complaints were referred to the departments concerned, systematically followed up and the complainants were contacted if required in order to see that their grievances were redressed within a reasonable time. The Standing Committee feels that economy in the cost could be effected if Officers in the section are replaced by clerks.

Birla Kreedra Kendra.

Reservation of the Kendra by the public for various cultural activities commenced from 17th January 1966, the date from which the premises licence was granted by the Commissioner of Police. During the year under report, an amount of Rs. 78,089.80 was collected by way of revenue.

Documentaries and demonstrations of the electric toy trains, etc., were shown free of charge to the Municipal school children in the two halls till 21st August 1967 and from 22nd August 1967 children are allowed to visit the halls between 4 P.M. to 7-00 P.M. except Sunday and Public Holidays.

FINANCIAL

4. The financial transactions have resulted in a deficit of Rs. 26.33 lakhs at the end of the year instead of the anticipated surplus of Rs. 40.64 lakhs. This was due to the fact that the actual expenditure increased by Rs. 2,54.47 lakhs over the Revised Budget Estimates while the income decreased by Rs. 93.81 lakhs over the revised budgeted amount.

Variation in Income

5. In preparing the Budget Estimates for the year under report, an Opening Cash Balance of Rs. 4,83.16 lakhs was estimated. On the final closing of the accounts for the previous year, the actual Opening Balance for the year under report amounted to Rs 5,75.05 lakhs. The total income budgeted for was Rs. 37,68.37 lakhs, while the actual realizations amounted to Rs. 37,86.79 lakhs. On the expenditure side, the amount budgeted for was Rs. 37,27.72 lakhs whereas the actuals of expenditure were Rs. 38,13.12 lakhs.

Loan Funds

6. The Opening Balance on 1st April 1967 on account of Loan Funds excluding the Trust Fund was Rs. 84.56 lakhs for the City, Rs. 51.50 lakhs for the Suburbs inclusive of Trust Fund and Rs. 41.68 lakhs for the Extended Suburbs exclusive of Trust Fund. Loans aggregating to Rs. 13,10.27 lakhs for the City, Rs. 95 lakhs for the Suburbs and Rs. 55 lakhs for the Extended Suburbs were raised during the year.

The total Loan Funds available for expenditure during the year were Rs. 13,96.72 lakhs for the City, Rs. 1,46.50 lakhs for the Suburbs and Rs. 96.68 lakhs for the Extended Suburbs.

The actual expenditure amounted to Rs. 12,13.41 lakhs for the City, Rs. 2,31.66 lakhs for the Suburbs and Rs. 1,63.26 lakhs for the Extended Suburbs on Capital Works as against the budgeted figure of Rs. 26,77.88 lakhs for the City, Rs. 5,04.49 lakhs for the Suburbs and Rs. 2,35.32 lakhs for the Extended Suburbs.

Sinking Funds

7. The Book Value of investments of the Sinking Funds at the close of the year amounted to Rs. 18,12.66 lakhs for the City, Rs. 4,51.28 lakhs for the Suburbs and Rs. 88.50 lakhs for the Extended Suburbs, made up of the book value of securities and the amounts in cash with the State Bank of India. Valuing the Municipal and Improvement Trust Debentures at par, the market value of the Sinking Fund Investments held on 31st March 1968 came to Rs. 18,00.20 lakhs for the City, Rs. 4,45.26 lakhs for the Suburbs and Rs. 87.90 lakhs for the Extended Suburbs. The total amount of Sinking Fund thus inclusive of the interest accrued and cash with the Bank came to Rs. 18,16.63 lakhs for the City, Rs. 4,50.64 lakhs for Suburbs and Rs. 89.37 lakhs for the Extended Suburbs, the excess in the Sinking Fund Account being Rs. 1,08.72 lakhs for the City, Rs. 22.65 lakhs for the Suburbs and Rs. 2.43 lakhs for Extended Suburbs, respectively.

Improvement Schemes Account, General Account, Income and Expenditure

8. The total income for the City for the year amounted to Rs. 2,00.24 lakhs against Rs. 2,05.28 lakhs for the previous year, showing a net decrease of Rs. 5.03 lakhs. The decreases were in respect of (1) Rent and other proceeds of properties Rs. 6.17 lakhs ; (2) Contribution from Municipal Corporation Rs. 11.09 lakhs, counter-balanced by decreases (i) under Grant-in-Aid from Government for meeting the deficit in the General Account Rs. 6.52 lakhs ; and (ii) interest and profit on investment Rs. 3.51 lakhs and (iii) Miscellaneous Receipts—Rs. 8,598.

That total expenditure for the City for the year, viz., Rs. 2,20.91 lakhs as against Rs. 1,98.76 lakhs for the previous year, showed an increase of Rs. 22.15 lakhs on that of the previous year. This is made up of increase of Rs. 15.92 lakhs under maintenance of properties and streets and Rs. 6.22 lakhs under Debt Charges.

The deficit of Rs. 20.66 lakhs in General Account is transferred to Capital Account.

Loan Account

The loan liability for the City, at the beginning of the year was Rs. 61,01.83 lakhs. The repayment of loan during the year under report was Rs. 3,79.93 lakhs of which Rs. 48.83 lakhs were repaid to Government, Rs. 3,09.60 lakhs to the debenture holders and Rs. 21.50 lakhs to different Special Funds. The outstanding liability on loan account at the close of the year stood at Rs. 70,32.17 lakhs.

The loan liability for the Suburbs at the beginning of the year was Rs. 12,70.83 lakhs. The repayment of loan during the year under report was Rs. 49.80 lakhs. The outstanding liability on loan account at the close of the year stood at Rs. 13,16.02 lakhs.

The loan liability for the Extended Suburbs at the beginning of the year was Rs. 352 lakhs. The repayment of loan during the year under report was nil. The outstanding liability on loan account at the close of the year stood at Rs. 407 lakhs.

Capital Account

The year began with an Opening Balance of Rs. 66.44 lakhs. In the course of the year, receipts on account of Sale Proceeds of Lands and Buildings amounted to Rs. 4.06 lakhs and a Loan of Rs. 50 lakhs was raised. The total funds thus available were Rs. 1,20.50 lakhs. The total expenditure incurred amounted to Rs. 68.18 lakhs. The deficit in the General Account for the year which amounted to Rs. 20.66 lakhs, was transferred to the Capital Account. The unspent balance at the close of the year was Rs. 31.64 lakhs.

The actual expenditure during the year on schemes amounted to Rs. 68.18 lakhs as against the Revised Estimates of Rs. 1,55.28 lakhs including Rs. 13.62 lakhs on account of the cost of Management and Establishment.

Sinking Fund in Improvement Schemes Account

The amount of Sinking Fund on 31st March 1968 was Rs. 749.86 lakhs including cash with the State Bank of India. Valuing the Municipal and Trust debentures at par, the market value of Sinking Fund Investments at the end of the year under review amounted

to Rs. 7,52.43 lakhs. This together with interest accrued upto 31st March 1968, viz., Rs. 1.85 lakhs and cash with the State Bank of India brought the total amount of Sinking Fund to Rs. 7,54.29 lakhs against Rs. 5,97.99 lakhs, the amount to which the Sinking Fund should have accumulated at the close of the year. The excess in the fund thus amounted to Rs. 1,56.30 lakhs.

The Gross Capital Liabilities of the Improvements Schemes in the City stood at Rs. 16,29.94 lakhs at the close of the year under review and the assets at Rs. 37,90.06 lakhs including the book value of funds comprised in Schedules 'W' and 'X', resulting in a Surplus of Rs. 21,36.46 lakhs.

General Account, Slum Clearance—City and Suburbs

The total income during the year under Slum Clearance, City Section, amounted to Rs. 16.31 lakhs against Rs. 10.84 lakhs in the previous year showing the net decrease of Rs. 5.46 lacs. This is made up of increase of Rs. 1.06 lacs under Rent and other proceeds of properties and decrease of Rs. 4.39 lacs under Interest and Profits on investments.

The expenditure on this account during the year amounted to Rs. 25.81 lacs consisting of Rs. 8.85 lacs on Maintenance of Properties and Streets and Rs. 16.96 lacs on Debt Charges resulting in an increase of Rs. 6.10 lacs at the close of the year which was made good from the Capital Account.

The total income during the year under Slum Clearance, Suburban Section, amounted to Rs. 2.56 lacs as against Rs. 2.89 lacs in the previous year showing a net decrease of Rs. 00.32 lacs. This is made up of increase of Rs. 00.11 lacs under Rent and other proceeds of Properties and Rs. 00.44 lakhs under interest and profits on investment.

The expenditure during the year on this account amounted to Rs. 11.42 lakhs made up of Rs. 1.41 lakhs under maintenance of Properties and Streets and Rs. 10 lakhs under Debt Charges. The net deficit of Rs. 8.85 lakhs was transferred to Capital Account.

Capital Account, Slum Clearance—City.

The Opening Balance under Capital Account, Slum Clearance City, on 1st April 1967 was Rs. 55.46 lakhs. An amount of Rs. 5.94 lakhs was received from Government as loan. An amount of Rs. 8.80 lacs was received from Government as Subsidy and Sale Proceeds amounted Rs. 00.28 lacs. Thus the total funds available for expenditure amounted to Rs. 70.49 lakhs, against which the expenditure incurred during the year amounted to Rs. 25.01 lakhs. The deficit in the General Account amounting to Rs. 9.50 lacs was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 35.97 lakhs.

Capital Account, Slum Clearance—Suburbs.

The Opening Balance under Capital Account, Slum Clearance, Suburbs, on 1st April 1967 was Rs. 25.12 lakhs. Rs. 00.78 lakhs were received from Government as loan, an amount of Rs. 00.18 lakh was received as Sale proceeds of Lands and Buildings and Rs. 1.61 lacs as subsidy received from Government. A loan of Rs. 50 lakhs was raised from public. The total funds available for expenditure thus amounted to Rs. 77.71 lakhs against which expenditure incurred during the year amounted to Rs. 29.50 lakhs and deficit in the General Account amounting to Rs. 8.85 lakhs was transferred to the Capital Account leaving an unspent balance of Rs. 39.35 lakhs.

Education Fund.

9. The actual income for the year amounted to Rs. 7,76.77 lakhs resulting in an increase of Rs. 13.10 lakhs on the Budget Estimates and a decrease of Rs. 12.60 lakhs on the Revised Estimates. The rate of Education Cess was 2½ per cent. of rateable value on buildings and lands. The rateable value of each of which was not less than Rs. 300 per annum and 2 per cent. of the rateable value on buildings and lands, the rateable value of each of which was less than Rs. 300 per annum but not less than Rs. 75 per annum.

That total expenditure for the year amounted to Rs. 7,66.77 lakhs against the Budget Estimates of Rs. 7,33.72 lakhs.

The Opening Balance on account of Loan Funds excluding Trust Funds on 1st April 1967 was Rs. 1,03.45 lakhs. A new loan of Rs. 150 lakhs was proposed for 1967-68 but actually a loan of Rs. 25 lakhs was raised during the year. The total loan funds thus available amounted to Rs. 1,28.45 lakhs against which expenditure booked on loan funds amounted to Rs. 71.82 lakhs. An advance for purchase of furniture for new school buildings amounted to Rs. 65,237 and the amount recouped was Rs. 4,65,239. The closing balance at the end of the year in loan funds amounted to Rs. 60.62 lakhs.

The percentage of actual expenditure on Loan Works to the Loan Funds available was 56. The Standing Committee again note with concern the Executive's inability to expend the loan amounts sanctioned by the Corporation within the scheduled limit and hope that more strenuous efforts will be put in to augment the Loan Works Programme especially as a large number of Municipal schools is located in private premises which are quite unsuitable for imparting instruction and further as the accommodation is insufficient to provide for the increasing number of pupils seeking admission to our schools and as a result whereof quite a large number of our schools are forced to meet in two shifts.

Taxation, Demands, Collection and Outstanding.

10. During the year under report, the rates of taxation in the City, Suburbs and Extended Suburbs remained the same as in the previous year. The rates of taxation thus stood as follows :—

General Tax (including Fire Tax) at 24½ per cent. Water Tax at 4½ per cent. and Halalkhore Tax at 3½ per cent. Tax on vehicles and animals was levied at the maximum rates mentioned in Schedule 'G' of the Bombay Municipal Corporation Act. Rates charged for the supply of water meter measurement ranged between Rs. 1.70 to Rs. 5.50 per 10,000 litres according to the class of properties.

Education Cess was levied at a graduated scale. No Education Cess was levied on Properties having a rateable value below Rs. 75. The demand in respect of this cess in the City, Suburbs and Extended Suburbs was for Rs. 1,02,77,155.79, 57,12,943.11 and 18,10,351.80 while the collection amounted to Rs. 72,58,416.68, 25,19,363.59 and 7,58,939.96.

On the Assessment Register at the close of the year, there were 78,651, 74,411 and 32,762 properties in the City, Suburbs and Extended Suburbs, respectively. 75,114 properties in the City, 71,988 in the Suburbs and 31,798 in the Extended Suburbs were assessed to General Tax, while 3,537 properties in the City, 2,423 in the Suburbs and 964 in the Extended Suburbs were exempted from the General Tax, under Section 143(1)(a) and (b) of the Bombay Municipal Corporation Act, while the Municipal properties exempted from the General Tax numbered 1,442.

The number of properties accounted for as newly erected, demolished and enlarged during the year was 7,629, 1,425 and 4,973, respectively, the corresponding figures for the preceding year being 20,13,346 and 1,094. The figures for Suburbs and Extended Suburbs stood at 4,346, 445 and 2,982 and 13,03,182 and 1,117 respectively.

The rateable value of all properties in the City on 31st March 1968 was Rs. 41,32,28,441 in the City, Rs. 16,72,53,973 in the Suburbs and Rs. 5,46,09,646 in the Extended Suburbs as against Rs. 38,85,93,154, Rs. 15,10,10,810 and Rs. 4,84,61,395 in the preceding year. It worked out to Rs. 149.08, Rs. 161.35 and Rs. 158.95 per head of population as per the census of 1961, against Rs. 140.19, Rs. 154.70 and Rs. 140.96 in the preceding year.

Wheel tax in respect of hack-victorias, labour carts and hand carts was levied at Rs. 100; Rs. 35 and Rs. 6, respectively.

The total number of bills in respect of property taxes and wheel tax issued during the year was 1,43,270 and 2,86,527 respectively for the City, 1,55,065 and 61,238 for the Suburbs and 72,138 and 11,022 for the Extended Suburbs. The total number of bills for water charges by meter measurement issued during the year by the Hydraulic Engineer was 43,852 for the City, 82,086 for the Suburbs and 35,157 for the Extended Suburbs. As regards property taxes, out of the net demand of Rs. 20,88,80,929 an amount of Rs. 16,34,18,541 was collected leaving the amount of Rs. 4,54,62,388 as outstanding, percentage of which to net demand comes to 21.72 for the City; the figures for Suburbs for net demand and collection stood at Rs. 11,45,52,309 and 5,81,31,137 leaving the balance at Rs. 4,64,21,172 and percentage at 49.25. The net demand and collection in the Extended Suburbs stood at Rs. 7,73,866 and Rs. 2,32,926, leaving the balance at Rs. 5,40,940 and percentage at 69.97.

In the case of Wheel tax in the City, the net demand was for Rs. 2,07,55,228 and the amount collected was Rs. 77,58,746, thus leaving an amount of Rs. 1,27,96,482 as outstanding, the percentage of which to net demand comes to 61.66. As regards Suburbs and Extended Suburbs, the net demand was Rs. 57,92,297 and Rs. 9,56,814 the collection at Rs. 11,87,655, and Rs. 2,36,305 and the percentage at 79.49 and 75.30, respectively.

4,398 complaints under Section 167 of the Act against the rateable values amounting to Rs. 6,66,96,537 and 3,566 complaints under Section 162 against the value amounting to Rs. 4,41,66,866 were disposed of during the year under report. The total number of complaints in the Suburbs and Extended Suburbs under the aforesaid Sections was 2,887 and 935, respectively.

The Urban Immoveable Property Tax.

This tax was abolished from 1st April 1963. The arrears of the tax on 1st April 1967 were Rs. 13,27,889.15, Rs. 6,85,841.42 and Rs. 5,65,226.66, for the City, Suburbs and Extended Suburbs respectively. Out of this amount, a sum of Rs. 8,35,866.50, Rs. 63,111.66 and Rs. 1,46,576.09, was collected.

The Standing Committee has expressed anxiety about the huge arrears of taxes due from Government, public bodies and property owners and desire that ways and means should be found out to recover in advance at least three fourths of the taxes due in case the claim is disputed.

Theatre Tax.

11. There were in all 41 Class I and 19 Class II Cinema Theatres in the City and 18 and 8 Cinema Theatres in Suburbs and Extended Suburbs respectively, out of which 14 and 4 were Class I Cinema Theatres and the remaining were Class II Cinema Theatres. The tax was generally received regularly. Theatre Tax also recovered in respect of various dramatic performances, dances, variety entertainments, etc., held at various places in Greater Bombay where admission was on payment.

The rates of Theatres Tax for the year under report were Rs. 10 per show for Class I Cinema Theatres, Rs. 7 per show for Class II Cinema Theatres, Rs. 7 per show for Drama, Concert, Variety Entertainment or Tamasha, Rs. 10 per day for Circus, Carnival or Fete and Rs. 7 per show for any other entertainment. The total income derived by way of Theatre Tax during the year under report was Rs. 7,53,312.28 in the City, Rs. 2,11,554.40 in the Suburbs and Rs. 73,509 in the Extended Suburbs.

The Standing Committee note with concern the high persistent percentage of outstanding and hope that vigorous efforts will be made and if necessary, the collection machinery remodelled in order to reduce the outstandings to the minimum possible extent as the revenue collection is the mainstay of Municipal finance and hence also of the Civic Administration of this great City.

OCTROI.

12. The same rates of Octroi as specified in the Octroi Schedule 'H' to the B.M.C. Act as amended, continued for the year under report. The gross collections from Octroi during the year amounted to Rs. 11,10 lakhs as against Rs. 11,91 lakhs in the preceding year. The amount refunded during the year under review was Rs. 1,34 lakhs as against Rs. 1,25 lakhs, in the previous year. Octroi gave a net revenue of about Rs. 9,75 lakhs as against Rs. 10,65 lakhs given by Octroi in the previous year. The total number of claims for refund was 65,849 as against 59,334 in the previous year.

Fees for stamping sugar bags, tea cases, etc., amounted to Rs. 2.44 lakhs as against Rs. 1.44 lakhs in the preceding year.

Elections.

13. As per the provisions of the B. M. C. Act, and under the provisions of the Maharashtra Act No. VIII of 1965 as amended upto date, the Municipal General Elections were held on Tuesday, 26th March 1968 for the first time, on adopting the State Assembly Election Roll and on the basis of 140 Single member Constituencies in Greater Bombay. In all 838 Nominations were received out of whom 119 Candidates withdrew their nominations, and 3 nominations were rejected as per Statutory provisions leaving 716 candidates in the contest. The results were declared on 28th March 1968 and published in Govt. Gaz. on 30-3-1968. 1835 polling stations were opened and 20,389 Municipal and Govt. employees were drafted for polling duty.

VAITARNA-CUM-TANSA SCHEME.

14. The various works under this Scheme have been completed since long and only some land acquisition matters and transfer of Government lands were in progress during the year under report.

MASTER PLAN FOR THE DISTRIBUTION OF WATER SUPPLY.

The work of construction of the Trombay Hill Reservoir and Veravali Hill High and Low Level Reservoirs was completed. The progress of the work in connection with Reservoir at Rawli Hill, Powai Hill, Pali Hill was not as per Schedule.

The Standing Committee desire that all the Reservoirs should be completed and commissioned expeditiously in order to ensure equitable distribution of water supply and avoid hardships to citizens receiving supply, at odd hours at present.

Dahisar River Project.—The project was postponed on the advice of the Government and the land which is in the possession of the Corporation is proposed to be handed over to the Forest Department of the Government for protection.

Upper Vaitarna Scheme.—Contracts for preparing formation for pipeline were awarded and the works are in progress.

The Irrigation and Power Department of the Government of Maharashtra prepared a detailed report on Bhatsai River Project. A three-man appraisal team from World Bank from whom loan has been sought for implementing the Project, inspected various sites of the Project and further investigations were made by the Consultants appointed by the State Government, who have already submitted the Preliminary and the Interim Reports for the same. The Government of Maharashtra have decided to carry out all the works in connection with the Project upto Mulund and sell treated water in bulk to the Corporation.

The Government of Maharashtra permitted the Corporation to draw surplus water from Ulhas River. The Corporation executed the Scheme at a total cost of Rs. 2,88,70,000 which consists of pumping about 90 Mega litres of raw water from Ulhas River.

Experiments were conducted to determine the most suitable and economical method of treating water of Vaitarna, Upper Vaitarna and Tansa Lakes.

Planning Section, Public Works.

15. The Architectural Planning Branch for the City, Suburbs and Extended Suburbs prepared in all 68 contract Plans, 46 Cloth Tracing 2 Block Estimates and 48 Detailed Estimates in connection with different building works (housing in Greater Bombay) costing Rs. 95,48,765 and Rs. 1,32,50,162, respectively.

Municipal Properties.

16. The total number of buildings and other properties both Municipal and *ex-Trust* maintained by the Maintenance Branch during the year was 13,701 as against 13,712 in the previous year. The amount spent on 699 buildings in the Suburbs and 159 in the Extended Suburbs for such works was Rs. 18,44,649 and Rs. 4,63,351, respectively. The work of upkeep and maintenance of buildings including school buildings was carried out partly by contracts and partly by departmental agency at a cost of about Rs. 0.31 lacs in the City and Rs. 29.56 lacs in the Suburbs and Extended Suburbs.

Construction.

During the year under report works estimated to cost Rs. 203.87 lacs were completed. Works estimated to cost Rs. 2,314.67 lacs were in progress.

Private Buildings.

17. During the year, 1,222 applications were received for the construction of new buildings or additions and alterations to the existing ones. The total number of new buildings constructed by private enterprise during the year was 277 of which 96 were residential and 181 non-residential; 41 buildings were constructed by Co-operative Societies. If proper encouragement and guidance is given, the Standing Committee is confident that the Co-operative Housing will be of great help in solving the baffling housing problem. The Standing Committee is of the view that if incentive is given in the form of concession in taxes, it would serve as an impetus for building activities.

In the case of dilapidated houses, the issue of notices and launching of prosecutions continued as before. In all 11,758 notices were issued for repairs and/or removal of unsafe buildings. In deserving cases, where the owners resorted to delaying tactics or refused to comply with Municipal requisitions, authorisations under Section 499 of the Act, were given to tenants to carry out repairs works and to recover reasonable expenses incurred by them from the rents. In 169 cases such authorities were given during the year as against 144 in the previous year and 3,090 tenants took advantage of it as against 2,214 during the last year.

In 153 cases, departmental action had to be taken to pull down unsafe portions of buildings in the interest of public safety, as the owners failed to comply with the Municipal Requisitions meeting the cost in the first instance from the special provision made for the purpose in the Budget and an expenditure of Rs. 62,153 was incurred therefor.

During the year, 98 buildings or portions thereof collapsed. The total number of persons injured were 82 and those killed was 37. The estimated damage to property was Rs. 14,04,850.

Slum Clearance, Housing and Land Acquisition.

18. The various works under the Slum Clearance Schemes during the year were in progress.

Clearance of Municipal Slums.—By the end of the year, 17 slums were cleared and redeveloped. Clearance and re-development of 6 slums in stages was in progress.

Tenements under the Government of India's subsidised Slum Clearance Scheme.—Under the Scheme, 6,023 tenements were sanctioned. Out of these, no tenements were completed during the year, bringing the total number of tenements completed upto 31st March 1968 to 4,315. Construction of 760 tenements was in progress on 31st March 1968.

Financial Assistance from Government under subsidised Slum Clearance Schemes.—The Corporation have received Rs. 6.73 lacs by way of loan and Rs. 9.67 lacs by way of subsidy from the Government during the year under report. The Corporation has thus so far received Rs. 1,11.67 lacs by way of loan and Rs. 1,38.88 lacs by way of subsidy upto 31st March 1968.

Drainage and Sewerage.

19. *Dadar Purification Works.*—The Sewage Purification Works at Dadar functioned satisfactorily throughout the year under report. The total quantity of sewage received at the Plant during the year was 7,526.36 Million Gallons *i.e.* an average of 2,056 M.G. per day. The total quantity of sludge gas generated during the year was 6,18,82,500 C. ft. The total revenue realised during the year by sale of gas amounted to Rs. 1.67 lacs as against Rs. 2.21 lacs, during the previous year.

Love Grove Pumping Station and Purification Works.

The working of the old and new pumping stations was satisfactory during the year under report.

Dharavi Purification Works.

The Sewage Purification Plant worked normally. The revenue realised from the sale of gas supply amounted to Rs. 44,091 approximately.

Pumping and Compressor Stations and Ejectors.

The sewerage system of the City depends upon the satisfactory working of Pumping and Compressor Stations. Sewage from the sewerage system of the City was pumped through all pumping stations.

The work of laying sewers in various parts of the Suburbs and Extended Suburbs was in progress.

Transport.

20. During the year, 362 motor vehicles and 402 trailers were in commission.

The transport fleet for the removal of refuse consisted of 282 vehicles of different types. As this fleet was not sufficient to cope up with the daily output of refuse, extra vehicles from private agency had to be requisitioned for the removal of refuse. The average collection of refuse in the City worked out to 1,800 tons per day. The standing Committee has noticed that the vehicles are not kept in proper condition and transport services often break down at inspections, and during delivery of agenda etc., papers to Councillors.

Repairs and Maintenance of Roads and Footpaths.

21. The total length of roads in the City, Suburbs and Extended Suburbs at the end of the year was 477.98 K.M., and 478.17 K.M. respectively.

The work of maintenance of roads and footpaths was generally satisfactory throughout the year.

The number of street lights increased from 16,987 to 19,207 in the City, 9,821 to 9,846 in the Suburbs and from 3,329, to 4,120 in the Extended Suburbs at an expenditure of Rs. 51,50,000 and Rs. 27,66,253 respectively.

The lighting of 4 roads was improved with HPMV lamps under the 'All-in-Hire Scheme' and 9 roads were improved with Fluorescent lamps under All-in-hire rate. 14 roads were provided with new lighting arrangements.

Removal of Town Refuse.

22. As in the past a major portion of the City refuse was transported to Deonar and also at Dharavi for disposal.

The total number of wagons sent to Deonar during the year under report was 19,128 as against 24,696 during the preceding year.

As the number of Municipal wagons was insufficient to transport the huge quantity of city refuse 61 wagons were taken on hire from Western Railway during the year at the charges of Rs. 4.50 per wagon per day.

The cost of maintenance of Mahalaxmi and Chembur Siding was Rs. 24,747.

Town Planning Schemes.

23. The work of preparation of Town Planning Schemes in the City, Suburbs and Extended Suburbs was brought together and put under the charge of one Executive Engineer during the year under report. Much progress could not be made in case of Town Planning Scheme, Bombay City No. 1 (Mandvi and Elphinstone Estate) due to certain difficulties. No alternative accommodation could be provided to tenants likely to be affected.

The implementation of Town Planning Scheme, Bombay City No. IV (Mahim Area) was in progress.

Some were at arbitration stage.

Conservancy.

24. All roads, footpaths and house gullies were cleaned daily in the morning as well as afternoon. House gullies were flushed and roads were brushed and scrapped whenever necessary. The total refuse collected and removed by engaging stationary as well as mobile traction was 3,85,832 tons in the City, 1,37,785 tons in Suburbs and the Extended Suburbs.

960 Actions were taken in Suburbs and Extended Suburbs under the Municipal Act and the Bombay City Police Act during the year for committing nuisance by throwing refuse in the streets or public places or fouling roads by urinating, etc.

There were in all 1,153 privy seats in the City. The work of removal of night-soil was attended to regularly by 5 cesspool lorries.

There were 271 public sanitary conveniences in the Suburbs and Extended Suburbs.

The number of basket privies existing was 10,469 as against 10,682 during the previous year and 213 baskets privies were either demolished or converted during the year. In addition there were 4,043 cesspools.

Control of stray Dogs.—43,299 stray dogs were caught and destroyed. The total income by way of dog licensing fees, etc., in the City was Rs. 55,172.45 as against Rs. 54,617.78 in the previous year.

The work of immunizing the milch cattle against Rinder Pest was continued. The total number of animals immunized was 46,072 and 98 inoculations were done. One case of Rinder pest was detected during the year and 18 suspected cases were kept under observation.

In addition to the above, the Conservancy Branch also rendered special conservancy and halalkhore services to various circuses, exhibitions, fairs etc., in the City realising there by Rs. 3,60,811.07.

12,407 different kinds of tests were made by the Municipal Material Testing Laboratory during the year.

The Municipal Hot Mix Asphalt Plant at Worli was in operation through out the year except from 14th August 1967 to 16th January 1968 for monsoon and trailer repairs. The number of boxes and tonnage turned out by the main plant and pegson plants were 26,077 boxes and 7,404 boxes, respectively.

The Crushers at Worli and Sewri worked satisfactorily during the year. The total output was 3,233 brass as against 2,569 brass in the previous year.

ESTATE AND LAND MANAGEMENT.

25. The undeveloped land at present with the Corporation is approximately 494 acres which covers the land at Dharavi Scheme 56. There were no changes in the layout of ex-Trust Estates. Four plots in Municipal Scheme have been disposed of in the year 1967-68.

The total area available for disposal in Municipal laid out schemes on 1st April 1968 was about 3,182.30 sq. meters, but the same is required for Municipal purposes, and therefore, area available for disposal is nil. The total number of plots disposed of upto the end of 1967-68 was 4,341 with an area of 52,34,379 sq. meters and valued at Rs. 13,45,89,425.

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 3,33,114 as against Rs. 4.20 lacs in the preceding year.

The collection on account of rents from the permanent chawls during the year amounted to Rs. 21,24,221. The revenue actually collected on account of rents in respect of S. P. Sheds came to Rs. 17,12,933. The figures in respect of slum clearance tenements and acquired premises stood at Rs. 14,50,122 and Rs. 10,57,923, respectively.

240 tenements were constructed at Raoli Camp during the year under Slum Clearance Scheme.

The recoveries of rent in the Squatters' Colonies at Mankhurd and Jogeshwari were Rs. 34,194 and Rs. 50,534 against the demand including the arrears of Rs. 11,55,789 and Rs. 4,80,042, respectively and at Palton Road Dormitory amounted to Rs. 38,022 during the year.

During the year under reviews, the demand and recovery of taxes aggregated to Rs. 78,392 and Rs. 38,940, respectively. The arrears due for collection at the close of the year stood at Rs. 7,04,794.

The construction of Industrial Estates has been taken by the Corporation for rehabilitation of Industrial Units required to be shifted from the lands required for Municipal purposes. No new gallas for Industrial Estates were completed during the year.

Corporation have granted general sanction to Schools to cover 50 per cent. of their terraces by Asbestos Sheets so that the terraces would be used for drill, etc., purposes in the sun or the rain. The Corporation have on demands from some of the factories, etc., granted a general sanction to construct tube wells free of extra premium in the compulsory open space of Municipal plots to meet the shortage of water supply. The Corporation have also permitted construction of sugar-cane juice stalls on Municipal plots with a residential user provided the plot falls on a shop line.

WATER SUPPLY.

26. The Tansa, Vaitarna, Vehar, Tulsi Lakes and Ulhas were the principal sources of the City's water supply.

The average daily supply to Greater Bombay during the year under report was about 947.59 mega litres as against 917.86 mega litres in the previous year. During the year, the quantity of water supplied to Greater Bombay was 3,43,129.11 mega litres as against 3,35,033.55 mega litres in the preceding year. Supply to the Thana Municipality, etc., was 4,662.08 mega litres as against 5,232 mega litres in the previous year. Total quantity of water supplied to bodies outside the limits of Greater Bombay was 11,150.33 mega litres as against 11,789.00 mega litres in the preceding year. Of the total supply to Greater Bombay, a quantity of 1,86,374.45 mega litres or 54.00 per cent. was for domestic purposes as against 2,06,113.65 mega litres or 61.52 per cent. in the previous year. The average daily supply for all purposes per head in Greater Bombay was 175.05 litres, while that for domestic purposes only worked out to 95.10 litres. Percentage of total supply for domestic and other purposes worked out at 54.00 and 31.00 respectively.

The water from Powai Lake was used for non-potable purposes, viz., Irrigation and Aarey Colony stables.

The total number of water connections was 88,240 in the City, 28,498 in the Suburbs and 8,596 in the Extended Suburbs and new connections given were, respectively, 4,298, 1,833. The total number of meters maintained was 22,107. 931 metered stand pipes were given during the year. The total number of stand-pipes in the Suburbs and Extended Suburbs was 1,842.

In view of the overall shortage of water being experienced in Greater Bombay area during recent years, quotas have been fixed to limit the consumption of Industries consuming

more than 1,50,000 litres of water per month. Quotas have been fixed for 1,516 such industries and their monthly consumption kept under watch.

The number of complaints about short supply, etc., were 38,266, 10,100 and 4,264 in the City, Suburbs and Extended Suburbs, respectively.

220 new properties were metered in the City during the year. The total revenue derived from water supply by meter measurement was Rs. 3,62,49,336 for the City as against Rs. 4,06,29,714 during the previous year. The total revenue collected from Suburbs from supply of water by meter measurement about Rs. 10,37,000. The figures for Extended Suburbs for this items is Rs. 1,37,000.

36 Areas of City and Suburbs experiencing extreme shortage of water supply were studied and boosting stations were provided during the year.

The Standing Committee, however, feel that further steps are required to be taken to ensure equitable distribution of water till resources are adequately augmented.

Fire Brigade Department.

27. During the year, the total number of Fire Stations was 14, viz., 11 in the City proper and 3 in the Suburbs as in the previous year.

The Fire Brigade received during the year 3,639 calls (including City, Suburbs and Extended Suburbs) as against 3,182 calls during the preceding year. Out of these 1,986 calls were for actual fires as against 1,755 calls during the preceding year. 693 calls were false alarms of which as many as 387 were due to malicious interference with street alarms as against 254 in the preceding year. 778 calls as against 654 in the preceding year were for special services, such as, house collapses, rescue works, etc.

The City was served by 213 fire alarm posts (including 28 private ones).

There were 16 serious fires during the year. The estimated total loss to property damaged by the fire was about Rs. 1,59,72,216 as against Rs. 95,76,772 during the previous year. The value of the insurance of properties affected by fire was about Rs. 10,35,560 as against Rs. 78,28,420 during the previous year and the total value of the property involved was worth Rs. 1,01.74 crores as against Rs. 53.35 crores in the preceding year.

During the year 66 persons lost their lives due to burns of which 24 were men and 42 women. 79 persons received minor injuries and 57 persons lost their lives in 256 incidents of house collapses during the year.

The approximate quantity of water used in extinguishing fires was 11 million litres out of which 5 million litres were drawn from Municipal mains, and the rest from the sea, wells, ponds, etc.

The total number of calls Ambulance Service within the limits of Greater Bombay received during the year was 7,322 of which 1,257 were for accidents, 1,473 for maternity cases and 4,568 for hire cases.

First-Aid was rendered by the Ambulance staff on 267 occasions as against 246 occasions in the previous year.

The annual maintenance cost of the Fire Brigade Department including the ambulance service but excluding the supervision charges and Provident Fund, Pension and proportion of general supervision and revenue and debt charges, etc., was Rs. 27,54,995 as against Rs. 30,83,238.19 in the preceding year.

In accordance with Government orders, Fire Brigade Department continued to be under the control of the Director of Civil Defence and Fire Adviser to the Government of Maharashtra. During the year under report.

PUBLIC GARDENS.

28. During the year under report, the Department maintained 167 sites for public recreation, including 56 Gardens, 3 Fountains, 8 Band Stands, 8 Traffic Islands, 6 Open Spaces, 78 Recreation grounds, 3 Statues and 5 Box Hedges in the City, 39 Gardens, 2 Playgrounds, 1 Band Stand and 1 Traffic Island in Suburbs and 10 Garden 1 Statue in the Extended Suburbs during the year, three new sites were developed into Gardens and Playgrounds and one Garden is converted into a playground.

During the year, 144 wild animals, birds and reptiles were treated in the Zoo Hospital and 106 specimens of pathobacteriological interest were examined at Senior Veterinray Inspector's Office, Bombay and Bombay Veterinary College. The total lievestock in the Zoo was 877.

The total expenditure in all gardens and recreation sites in Greater Bombay was Rs. 13,37,731 as against an income of Rs. 2,58,179 including nominal entrance fee of 5 paise per adult introduced from 18th April 1966.

The Standing Committee feels that development of sites reserved in the Development Plan should be undertaken as early as possible.

VICTORIA AND ALBERT MUSEUM.

29. The Museum was kept open to the public for 296 days as against 304 days in the preceding year. The total number of visitors during the year was 5.51 lacs as against 6.55 lacs in the preceding year.

The amount realised by the levy of admission fee was Rs. 15,725 as against Rs. 16,205 in the preceding year. The total expenditure on the maintenance of the Museum during the year was over Rs. 41 lakhs as against nearly 40 lakhs during the preceding year.

MUNICIPAL FREE READING ROOMS AND LIBRARIES.

30. As per Corporation Resolution No. 114, dated the 24th May 1965, 14 Municipal Free Reading Rooms and Libraries out of 22 in Greater Bombay are being managed by the Mumbai Marathi Grantha Sangrahalaya. The total number of new books purchased in Libraries in the City and Suburbs was 308 and 103 and the number of visitors to the Reading Rooms and Libraries in the respective areas was 2.54 lacs, and 0.28 as against 2.40 lacs in the City and 0.35 lacs in the Suburbs during the preceding year. The income from the Libraries and Reading Rooms in the City and Suburbs stood at Rs. 254, Rs. 88, respectively.

Central Stores.

31. Tenders were invited for the purchase of stores during the year in 252 cases as against 216 in the previous year and the number of contracts entered into for the various scheduled articles was 300 as against 262 in the preceding year. The number of casual or market enquiries or quotations invited for articles not covered under the schedule was 307 as against 483 in the preceding year. The value of stores and other materials purchased including articles received from other Departments on Return Stores Mema, during the year amounted to Rs. 169.86 lacs as against Rs. 184.75 lacs in the previous year.

During the year about 48,426 Metric tons of cement worth about Rs. 93.54 lacs were purchased. Likewise 1,38,229 Meters. of Galvd. Iron pipes worth about Rs. 8.65 lacs and 3,40,410 Meters of cloth worth about Rs. 4.58 lacs were purchased. Similarly the Department also purchased 3,801 quintal of wheat and rice for various Municipal Hospitals and Maternity Homes worth about Rs. 2.71 lacs. There were about 33 tenders for dietary articles amounting to Rs. 34.20 lacs approximately.

3,654 orders for the purchase of stores against 4,724 in the preceding year were placed with contractors and other dealers. Against these purchases and stock on hand, the consuming departments submitted 26,652 indents and Sales Mema. as against 26,815 in the preceding year. The total turnover of the department, viz., Receipts and Issues of stores during the year was Rs. 572.82 lacs as against Rs. 327.43 lacs in the preceding year. At the close of the year, the department had on hand stores of the value of Rs. 105.41 lacs against Rs. 138.52 lacs in the preceding year.

The total amount realised by the sale of unserviceable articles through private offers including mixed scrap amounted to Rs 2.74 lacs as against Rs. 2.08 lacs in the preceding year.

LICENCE DEPARTMENT.

32. During the year, the amount collected by way of licence fees, permit fees and transfer fees was Rs. 41.56 lacs.

From the permits issued for exhibiting sky signs, advertisements, etc., the total revenue realised was Rs. 8.00 lacs in the City, Rs. 2.30 lacs in Suburbs and Rs. 0.49 lac in Extended Suburbs, the corresponding figures for the last year being Rs. 7.51 lacs in the City, Rs. 1.83 lacs in the Suburbs and Rs. 0.44 lac in the Extended Suburbs.

The Department instituted 2,656 cases in the City, 1,721 cases in the Suburbs and 595 cases in the Extended Suburbs for offences under Sections 328, 328A, 394 and 412A of the Bombay Municipal Corporation Act. The total amount of fines inflicted was Rs. 1,10,635 in the City, Rs. 83,910 in the Suburbs, and Rs. 54,140 in the Extended Suburbs.

The amounts collected by way of fines both in the case of City and Suburbs for offences committed under the provisions of the aforesaid sections appear to be much lesser than what was collected during the last corresponding year. The Standing Committee therefore, desires that rigorous efforts must be made to enforce licencing regulations uniformly. Similar efforts are also required in the matter of issue of Advertisement Permits.

The number of squatters' and hawkers' licences issued were 70,971 in the City, 11,437 in the Suburbs and 342 in the Extended Suburbs. The amount realised therefrom was Rs. 13,35,001 for the City, Rs. 3,56,208 for the Suburbs and Rs. 62,779 for the Extended Suburbs, respectively.

The Corporation had appointed a Committee regarding the question of suitably modifying the present policy of issue of hawkers' licences so as to provide more licences to the hawkers in the City (*Vide* C. R. No. 1816, dated 19th March 1964). Accordingly, new Reserve Areas are created and licences are being issued by the Ward Officers in consultation with the Ward Councillors.

During the year, under report, 1887 auction sales of the articles seized by the encroachment removal staff but not redeemed by the parties and an amount of Rs. 32,513.47 was realised as against Rs. 32,515.00 last year.

The number of unauthorised hawkers and squatters have been found to be increasing at the every nook and corner of the City, particularly on the footpaths, making it a hindrance to the pedestrians every day. Unless more vigilance is exercised and drastic measures are taken against such unauthorised squatters and hawkers with the help of the Police, the Committee feels that the nuisance will go on increasing defying solution.

33. The total number of establishments under the various categories including Theatres, etc., on 31st March 1968 was 87,228 in the City, 20,647 in the Suburbs and 8,810 in the Extended Suburbs as against 89,021 in the City, 19,311 in the Suburbs and 8,205 in the Extended Suburbs in the last year.

During the year under report, 1,608, 274 and 103 complaints, respectively, pertaining to City, Suburbs and Extended Suburbs, were received in addition to complaints pending from the preceding year out of which 1,576, 284 and 94 were investigated leaving 71, 4 and 15 complaints pending at the close of the year.

At the beginning of the year 2,023, 454 and 65 prosecutions were pending while 5,768, 1,181 and 359 new prosecutions were instituted during the year. Of these prosecutions 5,396, 1,163 and 312 resulted in convictions, 20 and 2 in acquittals and 6 and 1 cases were withdrawn. The number of cases pending at the end of the year was 2,374, 469 and 112. The total amount of fines realised was Rs. 1,83,535, 39,610 and 9,605 as against Rs. 4,01,442, Rs. 50,870 and Rs. 12,185 in the previous year.

The total expenditure incurred in the administration of this Act, the Payment of Wages Act 1936, during the year under report was Rs. 4,39,111, Rs. 1,71,431 and Rs. 45,297 for the City, Suburbs and Extended Suburbs (exclusive of Provident Fund, Leave Contributions and Supervision Charges) against which a grant-in-aid of Rs. 3,43,230 was received from Government for the year 1967-68 for meeting part of the expenditure incurred during the year 1966-67.

The total income by way of Registration fees, etc., for the year amounted to Rs. 2,09,880, Rs. 41,154 and Rs. 80,881 for the City, Suburbs and Extended Suburbs.

131 complaints pertaining to the Payment of Wages Act, in the City, 35 for the Suburbs and 9 for Extended Suburbs were received. Only 1 complaint in the case of City was pending disposal at the close of the year under report.

MAREKTS AND SLAUGHTER HOUSES.

34. The total income of the Department for the City, Suburbs and Extended Suburbs during the year was Rs. 76.98 lacs as against Rs. 74.50 lacs in the previous year, showing an increase of Rs. 2.48 lacs.

During the year there were 58 Municipal and 22 private markets and 7 slaughter houses. The number of outside meat shops was 199 in the City 174 in Suburbs and 40 in Extended Suburbs. The licence fees realised from private markets and outside meat shops were

Rs. 84,220 and Rs. 19,150 respectively in the City. The work of collecting Scale fees at the Mahatma Jyotiba Phule Market continued to be carried out departmentally and the revenue collected therefrom amounted to Rs. 9,95,022 as against Rs. 9,76,751 during the previous year.

Surprise raids to detect and prevent the smuggling of animals and contraband meat and unauthorised slaughter as also insanitation and congestion in markets were carried out during the year.

The total number of animals slaughtered during the year in the City was 14,74,621 as against 14,78,506 during the previous year.

Standing Committee feels that construction of additional markets be undertaken expeditiously to cater to the needs of ever-increasing population so that apart from augmenting the revenue of the Corporation, the nuisance of squatters can be also minimised by allotting stalls to them in the markets. The Standing Committee is also of the opinion that the Report should indicate progress of new Projects in order to assess the performance. The Committee also feels that the markets should be maintained clean and decent so as to attract more visitors and be laid out on the lines of Departmental Stores.

Municipal Printing Press.

35. During the year under report 402 metric tons of paper was purchased. The total number of printing jobs carried out was 12,258 and the number of pages printed was 37,547 as against 15,494 and 42,803 in the preceeding years. The total quantity of paper consumed during the year under report was 423 metric tons as against 349 metric tons in the previous year.

The transactions of the Press for the year closed with a working surplus of Rs. 32,400 on the total turnover of Rs. 29.19 lacs against the surplus of Rs. 24,301 and the turnover of Rs. 20.05 lacs for the preceding year. The labour staff as on 29th February 1968 consisted of 291 workers as against 279 on the 28th February 1967.

The Standing Committee is of the opinion that proper amenities of ventilation, temperature control, better working conditions, a well furnished canteen, etc., should be provided to workmen. Planned programme of jobs should be formulated and enforced to achieve maximum utilization of men and machine power. The Standing Committee also feels that the additional floor or extension should be carried out to the existing building as the space is found inadequate.

K. E. M. Hospital.

36. The scheduled bed strengths during the year was 1,179. Throughout the year there was constant overcrowding in the Hospital particularly in the Children Wards and the Medical and Surgical Wards for females. The total number of in patients admitted during the year was 52,629 as against 53,335 in the previous year. The average number of days each patient was resident was 10.9 days as against 9.82 days in the last year. The average cost per in-Patient per day was Rs. 15.67 as against Rs. 14.39 in the previous year.

The total number of new out -patients treated as 3,14,401 as against 3,19,476 in the preceding year. The out-patients attendance including casualty patients during the year came to 6,79,973.

22,289 operations were performed on in-patients and 40,387 operations were performed on out-patients.

A rare feat of heart transplant operation was carried out successfully on a patient named Bodhan Chittan on 6th February 1968, using the heart lung machine.

The Dr. Jivraj N. Mehta Pharmaceutical Laboratory attached to the Hospital manufactured many injectables viz., 89,610 transfusion bottles 500 ml. 10,865 A.C.D. bottles, Bulk injections and sterile solutions (Nine types) 135 Litres, 103 litres stains and solutions for clinical use. The Blood Bank works satisfactorily and during the year 10,064 Blood samples were supplied for transfusion and 10,087 samples of blood were collected including the voluntary doners at a cost of Rs. 63,324. The amount was paid from the Poor Box Charity Fund.

A Family Planning Centre, which is aided by the Government of India, performed 175 vasectomy operations and 557 Sterilization Operations.

2,481 Food Handlers working in hotels and restaurants in the City were referred to the hospital for examination of which 1,493 persons attended. 318 persons did not give their stools, etc., for pathological examination and hence their reports were pending.

The works of construction of an additional second floor over the Department of Radiology Block for tetanus patients and addition to the Gynaec Block were under progress.

The total expenditure incurred during the year for the maintenance of the Hospital was Rs. 1,11.74 lacs as against Rs. 75.79 lacs in the previous year.

Seth G. S. Medical College.

37. During the year under report 160 admissions were made. Three students who came from outside India were nominated by the Government of India to the reserved seats and two were taken from Schedule caste and backward Class Community. There were 68 overseas students on the roll.

The number of male students residing in the Male Students' Hostel during the year was 242 while the number of lady students accommodated in the Lady Students' Hostel was 165. In order to meet the increasing demand for under graduate students as also internees, research students, etc., the Dormitory at Naigaum has been converted in to Hostel to accommodate 167 students. During the year 514 students took advantage of these hostels.

The different departments of the College and the Hospital, in addition to their normal teaching and departmental works, conducted various researches under the auspices of the Indian Council of Medical Research, Council of Scientific and Industrial Research, K. E. M. Hospital and Seth G. S. Medical College Staff Research Society and through help of some Pharmaceutical firms., etc.

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

E. N. T. Hospital

38. The Hospital has a provision for 100 beds and all the 100 beds were commissioned for the use of in-patients during the year under report. The total number of patients admitted in the hospital during the year was 5,519. Out of which 4,644 were cured, 524 were relieved, 155 were otherwise discharged, 113 left against medical advice and 14 died leaving 69 patients under treatment in the hospital at the close of the year. The daily average attendance of Out-patients was 208.05.

In all 6,219 operations were performed of which 1,689 were on out-patients and the remaining 4,530 on the in-patients during the year.

An amount of Rs. 5,615.09 was collected in the Poor Box Charity Fund.

Bai Yamunabai L. Nair Charitable Hospital.

39. The Hospital has an accommodation of 336 beds, fully occupied throughout the year. During the year, on an average 490.88 in-patients were admitted in the Hospital as against the scheduled bed strength. The total number of in-patients admitted during the year was 25,374 as against 24,160 during the previous year. The total number of in-patients treated was 25,831. The average cost per day per in-patient was 17.62 as against 15.93 during the previous year.

The total number of out-patients treated was 3,62,574 as against 3,69,189 during the previous year and the average number of outpatients' attendance per day was 1,188.77 as against 1,194.79 of the previous year.

Dr. Bhajekar Municipal Hospital at Khetwadi continued to be under the supervision of the Dean, B. Y. L Nair Charitable Hospital.

The total expenditure incurred on the maintenance of the Hospital including liabilities amounted to Rs. 49.36 lacs against Rs. 36.33 lacs during the last year.

The new extension building of the hospital is expected to be ready for occupation by the end of 1968 when the bed capacity will be increased to about 650 which would ease the present overcrowding to some extent. 10 Air Conditioned fully equipped Operation Theatres and two Operation Theatres will be exclusively available for specialized surgical services like Heart Surgery, Neuro-Surgery, etc. In the second phase of the expansion programme adequate facilities are proposed mainly for specialized services. A Scheme for

conversion of Dr. Bhajekar (Surgical) Hospital into a Burns and Plastic Surgery Hospital with a bed strength of 40 is under consideration.

Topiwala National Medical College.

40. The College had 643 under-graduate students on the roll at the close of the year, out of whom 320 were lady students. Besides, there were 192 post-graduate students including 58 lady students.

The total expenditure incurred on the maintenance of the College amounted to Rs.13.74 lacs as against Rs. 12.94 lacs during the previous year. The total income by way of tuition fees, miscellaneous, etc., receipts amounted to Rs. 2.94 lacs as against Rs. 2.74 lacs during the last year.

1,063 books were added to the Library during the year of which 333 were received by way of presents. The Library had at the end of the year 14,297 books as against 13,233 in the previous year.

Nair Hospital Dental College.

41. During the year under report, 49 students including 8 ladies passed the Final B.D.S. and M.D.S. Examinations of the Bombay University from the College. The College has 127 Dental Chairs, 100 Dental Units and 3 Dental X-Ray Machines and other equipments to give dental treatment on most modern lines and also to facilitate teaching of dentistry. During the year, 88,711 patients were treated as against 85,375 during the previous year. 6,045 municipal school children were treated in the clinics. The total expenditure incurred was Rs. 7.57 lacs as against Rs. 6.05 lacs in the preceding year and the total revenue was Rs. 1.79 lacs, against Rs. 1.84 lacs during the preceding year.

Lokmanya Tilak Municipal General Hospital, Sion, and Bai Annapurnabai Deshmukh Hospital for Women and The Lokmanya Tilak Municipal Medical College Sion.

42. The bed accommodation of the Hospital was 475 (415 non-paying, 50 part-paying and 10 reserved for B. E. S. & T. Employees). 37,381 patients were admitted during the year as against 36,866 during the preceding year. The daily average number of in-patients was 822.9 as against 752.7 in the preceding year. The average number of days each patient was resident was 8.00 as against 7.4 during the preceding year.

The average cost per in-patient on diet per day was Rs. 1.44 as against Rs. 1.48 in the preceding year. The total average cost per day per in-patient was Rs. 20.14 as against Rs. 18.82 in the preceding year.

The total number of new out-patients was 1,87,782 with a daily average of 617.07 as against 1,87,786 and 607.72 respectively in the preceding year. The total number of out-patients attendance was 5.84 lakhs. The highest number of out-patients attendance on a single day was 2,714 as against 3,330 in the preceding year.

The Paying Bed Scheme which started from 1st September 1951 worked satisfactorily. The number of patients admitted in the General and Special rooms during the year was 1,335 as against 1,376 during the preceding year.

The approximate total expenditure during the year under report was Rs. 68.50 lakhs as against Rs. 48.66 lakhs in the preceding year.

The Lokmanya Tilak Municipal Medical College attached to this Hospital which was started in November 1964 entered into its fourth academic year. The College has a strength of 264 Students.

Group of T. B. Hospital, Sewri.

43. The total number of beds for T. B. patients at the Corporation's disposal was 1,288 viz., Group of T. B. Hospitals, Sewri 800 ; Isolation Centre attached to the Ramkunwar Daftary T. B. Clinic, Dadar, 88, and Sarvodaya Hospital, Ghatkopar, 400 (reserved for the Corporation). The total number of patients treated was 6,927 as against 6,709 during the previous year. Of these 5,717 were discharged as improved, 145 were non-Tuberculosis cases, 453 left prematurely against advice, 612 died and 742 remained under treatment at the close of the year. Mortality figures revealed high incidence in the age group of 26-30 years. The rate of death per cent. to the total number of patients treated was 8.9. Major lung operations were performed in 340 cases.

As many as 2,268 patients attended the follow-up examination for check up after discharge from the hospitals during the year.

The total expenditure incurred during the year on the Group of T. B. Hospitals, Sewre was Rs. 36.04 lacs against Rs. 33.36 lacs in the previous year. The average expenditure per patient per day was Rs. 13.22 as against Rs. 12.33 in the previous year.

The expenditure incurred during the year by the Corporation for treatment, etc., at the Sarvodaya Hospital, Ghatkopar, was Rs. 10,43,880 lacs as against Rs. 9,26,227 lacs for the previous year. The expenditure incurred by the Corporation on the 4 T. B. Clinics attached to G. T. B. Hospitals was Rs. 7,30,027. The total expenditure thus incurred by Corporation on Tuberculosis Services amounted to Rs. 53,78,399.

Legal Department.

44. During the year under report, the Department continued to attend to contested matters and other legal proceedings in the High Court, City Civil Court, Small Causes Court and Police Courts as also to other legal matters. During the year, the Department received 27,904 files, and the advices on 292 cases were given.

The income by way of costs recovered amounted to about Rs. 19,860.50 and expenditure to about Rs. 9,14,896.13.

The Standing Committee considers it essential to speedily deal with pending inquiry cases and also to adopt measures to expedite disposal of Court Cases including vacating of numerous injunctions which are increasing day-by-day against the Corporation. The Standing Committee feels that the working of the Department needs improvement.

Education.

45. At close of the year, there were 4,81,211 pupils in 901 Schools and 111 classes in Greater Bombay, the number in the City being 2,69,211 pupils in 499 Schools and 47 classes; in the Suburbs, 1,56,296 pupils in 286 schools and 51 classes and in Extended Suburbs 55,704 pupils in 13 Schools and 116 classes. During the year, there was a net increase of 24,354 pupils in Municipal Schools. The total number of teachers in Greater Bombay at the end of the year was 13,893 including special teachers.

With a view to avoiding over-crowding in classes and to facilitate proper attention to pupils it was laid down that ordinarily a class should not have more than 50 pupils. In schools housed in hired residential buildings, over-crowding on account of inadequate space was an impediment in the way of efficient instruction. Out of 1,012 schools and classes, about 709 schools and classes were required to be run in two sessions and more than two sessions for want of sufficient accommodation.

The number of Municipal owned buildings at the beginning of the year in the Greater Bombay was 186. 7 schools were built during the year under report. The total number of municipal owned school buildings in the Greater Bombay at the end of the year was 193.

539 schools (including classes) were housed in Municipal owned school buildings, 461 schools including classes were housed in rented buildings and 12 schools were housed in rent free buildings. Due to yearly increase in the number of pupils it has become practically impossible to accommodate them in the existing accommodation. A steady and planned progress towards acquisition of private plots and structures, etc., wherever possible and construction of school buildings is therefore being made. The Standing Committee is, however, of the opinion that under the Development Plan, sites have been reserved for schools and as such speedy efforts should be made to construct buildings on vacant plots which are in possession.

During the year under report the name of the Rahimtoola Currimbhoy Urdu Training Institute for Women was changed as R. C. Municipal Urdu Teachers' Junior College of Education Imamwada as directed by the State Government. There were 3 divisions with 150 candidates. Out of 145 trainees sent up for the Jr. P. T. C. Exam. held in April 1968, 143 passed the result being 99.2%.

The name of The Municipal Urdu Teachers' Training Class was changed as Municipal Urdu Teachers' Junior College of Education, Mahim. Out of the 49 trainees in the Class (one year's course) only 46 appeared for the P. T. C. Examination and 42 were declared successful the result being 91 per cent.

The Corporation continued to impart vocational education through 33 Vocational Classes in 22 Vocational Schools.

The Educational Guidance Centre opened to help students to receive educational vocational and developmental guidance continued to function. The Centre undertook the extra-curricular activities such as Guidance Conference Career information Centre at each ward.

The total number of Aided Schools in Greater Bombay during the year was 170 out of which 103 were in the City, 41 in the Suburbs and 26 in the Extended Suburbs as against 223 in the previous year. The total number of teachers in Aided Schools was 1,421 (1,270 ordinary and 151 special) imparting education to 55,787 pupils. The number of pupils in Aided Schools in the City, Suburbs and Extended Suburbs decreased during the year under review from 55,787 to 43,518. The total number of Recognised Schools not receiving Grant-in-Aid was 387 (227 in the City, 12 in the Suburbs and 48 in Extended Suburbs) with 4,070 teachers imparting education to 1,20,536 pupils.

The revised Grant-in-Aid came into force from 1st April 1964. The amounts of grants payable to private Primary Schools for the year under report were Rs. 7,11,530.

The average cost per pupil in the Municipal Schools calculated on the basis of the average number of pupils on rolls as on 31st March 1968 for City, Suburbs and Extended Suburbs was Rs. 159.34.

The total expenditure for the year amounted to Rs. 7,66,76,426 which was met from Municipal contribution (Rs. 5,89,87,770. Government Grant, (Rs. 80,82,460), Education Cess (Rs. 94,45,061) and miscellaneous receipts (Rs. 11,61,394).

Secondary Schools.

The Corporation started four more secondary schools in addition to 22 Secondary Schools in different wards in the City, and split up one school in two schools. During the year there were 326 divisions, and the teaching staff was 489. The total number of pupils attending these schools was 14,733.

The Standing Committee has requested the Municipal Commissioner to consider the desirability of converting Municipal Secondary Schools into Technical ones. Efforts should continue to raise the standard of education in Municipal Schools.

In all 98,799 pupils were medically examined out of whom 82,007 were found to be suffering from one defect or the other. Amongst the common defects noticed, general debility, dental lymphatic glands, throat were most predominant.

The Standing Committee reiterate that the question of constructing new School Buildings should be given top priority so as to ensure qualitative upgrading of primary education in Municipal Schools. The Standing Committee also feels that the tone of Education should be upgraded by giving frequent visits by the Supervisory Staff.

Research Unit.

46. The Research Unit carried out special experiments in selected schools on several educational problems such as, how to make classes interesting, to increase attendance, to minimise the failure, etc. Reading habits of children were studied and a language Development Project in Standards I to IV in model schools was undertaken. "Supervision Project" in multilingual schools in all most all wards was continued and in service Training Classes for teachers teaching science in Primary Classes had been conducted.

LABOUR DEPARTMENT.

47. During the year, 21 Recognised Trade Unions represented Municipal employees, with a view to promote cordial relations between the staff and the Administration, the total number of Joint Councils representing labour staff which continued to function was 22, their scope being wide enough to permit discussions on various matters relating to grievances and conditions of service of the staff. Peshi Committees for enquiring into the mis-conduct of employees were also formed. A four-stage grievance procedure has also been introduced in all Departments for redressal of the employees' grievances. The recognition of the Bombay Municipal Kamgar Sangh to represent labour staff of Kasturba Hospital and Nair Hospital was withdrawn for want of Union's representative character in those Hospitals.

The Department dealt with 11,615 complaints (including Suburbs as against 13,468 in the previous year, regarding service conditions, recruitments, promotions, transfers, etc. of these complaints 11,291 were redressed, 257 were found not genuine cases and 67 cases were pending at the close of the year.

During the year under report two Welfare Centres were opened one at Malad and another at Gilder Lane Staff Quarters.

The recreation, educational hygienic, cultural and social activities, indoor as well as outdoor, organised by the Welfare Branch of the Department, for the benefit of Municipal workers and their dependents, were continued. The average daily attendance of adults and children at the different Welfare Centres was 2,039 and 2,364, respectively, as against 1,750 and 1,680 during the preceding year.

Under the scheme for granting scholarships to the children of Municipal employees, 534 applications were received out of which 209 eligible applicants for secondary education and 191 for higher education were awarded scholarships at a total cost of about Rs. 20,000, was given in 348 deserving cases. The total strength in Scout and Guide Sections was 4,169 as against 3,754 during the preceding year.

46 disputes were referred to the Government Labour Officers, Assistant Commissioner of Labour, Conciliation Officer, Labour Court, etc.

With the help of Catholic Relief Committee the department was able to organise milk Scheme at (1) Mahalaxmi, (2) Love Grove, (3) Haines Road, (4) Bapty Road, and (5) Umerkhadi. Milk was distributed to the children below 12 years ages of Nursery Classes.

PUBLICITY DEPARTMENT.

48. This Department effected general publicity about the various activities and services rendered by different Departments. The Department also worked as a "clearing house" in respect of criticisms and suggestions appearing in local newspapers. It also carried out health education work and dissemination of information to the public through various media.

The Department participated in various important celebrations, such as, World Health Day, National Cleanliness Day, World Leprosy Day, etc., and published a Civic Guide-cum-Dairy 1967, in English, Marathi and Gujarati, as usual.

A Special Exhibition of the various exhibits from the Mayor of Yokohama on account of the Sister-City Relationship established between Bombay and Yokohama was arranged at the Birla Kreedra Kendra during the year.

M. G. M. O. Swimming Pool.

49. During the year under report the working and progress of the Mahatma Gandhi Memorial Olympic Swimming Pool at Shivaji Park was satisfactory. The Pool was kept closed for 11 days in December for minor repairs.

The total reservation hours of the Pool by private parties were 173 which brought a revenue of Rs. 7,050. Facilities to 18 polio-crippled children were given free of charge. As many as 44,039 casual swimmers including labourers and factory workers availed themselves of the facilities of swimming. Reservation of the Pool at a concessional rate of Rs. 100 per month for two hours a week was also allowed as usual to 6 Educational Institutions. Twenty members of the Pool were included in the Maharashtra State Aquatic Association's team for participating in the 24th National Swimming Championship held at Trivendrum in November 1967. Twenty-one members of the Pool participated in August 1967 in the Swimming Competitions held at Delhi by the National Swimming Club of India, Delhi. Eighteen members of the Pool participated in August 1967 in the Swimming Competition held at Poona.

7,679 new members joined the Pool during the year under report. 4,061 beginners were trained during the year. An amount of Rs. 2,59,980 was collected by way of fees as against Rs. 2,48,476 during the previous year. The expenditure during the year was Rs. 1,17,967.

Administrative Officer (Enquiries) Department.

50. The Department functions in three Sections viz., (1) Enquiries, (2) Stock Verification and (3) Security Force.

During the year, 966 cases of misconduct and breach of rules were dealt with. In 210 cases punishments varying from dismissal, removal from service to censures and warnings were meted out. In 360 cases enquiries were in progress at the end of the year.

The distribution of relief from the Mayor's Fund to the families affected by fires, house collapses and other natural calamities was carried out by the Stock Verification Section in addition to their normal work.

Industrial Home Guards Unit continued to function well during the year under report.

THE BOMBAY CIVIC JOURNAL.

51. As usual twelve monthly issues were published. Two Special Numbers were taken out in addition to an Independence Number in August 1967.

The Standing Committee feels that efforts should continue to make the Journal more popular and informative which will result in enhancing its usefulness besides increasing its circulation and revenue.

The Special Numbers were devoted to Public Health and Medical Relief and augmentation of City's Water Supply.

ORGANISATION AND METHODS DIVISION.

52. The Organization and Methods Division works as an Advisory Unit of the Municipal Commissioner's Office. The work done by this Department includes *inter-alia* codification of Municipal Commissioner's orders and circulars of standing nature, standardisation of forms, etc. During the year under review, an Appreciation Training Programme on Management and Productivity for Middle Executives was started in order to expose Corporation's Middle Executives to modern management and Productivity Techniques for the solution of day to day problems of the Corporation. With a view to establishing a Productivity Cell in the Corporation to assist the heads of various departments in streamlining Methods and procedure, effecting a general improvement in the quality of Municipal Services. Full Time Training Course in Industrial Engineering was started on 11th September 1967 and completed on 23rd March 1968.

The Standing Committee desires that the Division should be called upon to undertake re-organization of the functioning and staff pattern in various Departments and in Ward Offices.

Public Health.

53. *Population Census.*—The mid-year estimated population of Greater Bombay was 49,03,000.

Births and birth rate.—The total number of live births recorded in Greater Bombay during the year was 1,53,230 which were 5,244 more than in 1966 and 19,931 above the average of the quinquennium 1962-66. The birth rate was 31.3.

Deaths and death rate.—The total number of deaths registered from all causes during the year was 56,701 as against 50,492 in 1966 being 10,686 more than the mean mortality of the preceding 5 years and the death rate was 11.6 against 10.6 in the year 1966. Of 56,701 deaths 32,592 deaths were among males and 24,109 among females. The excess of deaths among males may be ascribed to the slight preponderance of males. The death rate among females was, however, actually higher than among males, the male death rate being 11.0 and the female death rate 12.2 against 11.7 and 12.9 respectively in 1966. Diseases of the respiratory system claimed the highest number of deaths in the past with death rate of 2.35 per 1,000. The causes coming next on the list for the year were congenital malformation and diseases of early infancy 1.14 tuberculosis 1.05 diarrhoea, enteritis fever and dysentery 0.80.

Deaths among infants under one year of age numbered 14,118 which were 1,458 more than in the preceding year and 2,393 more than the annual average of the previous quinquennium (1962-66). The infant mortality rate for the year was 92.1 per 1,000 live births as against 85.5 in 1966.

Maternity and Child Welfare.—During the year under report, services were rendered through 15 Municipal Maternity Homes and 27 Maternity and Child Welfare Centres. The number of deliveries conducted in these Homes was 41,482 during the year. The average stay of mothers at the Maternity Homes was 5 days.

Advice and instruction in spacing births was given by trained doctors to married men and women at the Family Welfare Planning Centres. Health Visitors paid domiciliary visits for follow-up work and propaganda. I. V. C. D. (Loops) were inserted to 9,220 married women.

Communicable Diseases.—The total number of cases of infectious diseases reported during the year was 9,974 as against 12,527 in the preceding year. Infectious Hepatitis caused 1,359 attacks and 147 deaths. Small-pox caused 2,580 attacks and 1,007 deaths. In Influenza

caused 3 deaths. Enteric Fever caused 584 attacks. Diphtheria caused 1,849 attacks and 113 deaths. Cerebro-spinal meningitis caused four attacks. Tuberculosis took a toll of 5,150 lives and the death rate of Tuberculosis was 0.9 per 1,000 of mid-year estimated population. Whooping Cough caused 80 attacks and two deaths.

172 cases of Acute Anterior Poliomyelitis and 41 deaths thereby were reported during the year.

Municipal Group of Tuberculosis Hospital at Sewri has an accommodation for 800 in-patients ; besides 400 beds are reserved at the Sarvodaya Hospital, Ghatkopar. The advance cases of T. B. were isolated at the Daftary Municipal Isolation Wards at Dadar.

During the year 6,38,868 persons were inoculated against Cholera and 4,09,544 persons were inoculated with T. A. B. Vaccine.

The Standing Committee view with concern the existence of different kinds of diseases especially of Filariasis and stress that the precautionary measures, such as inoculations, vaccinations, isolation, etc., if continued with full vigour in the Greater Bombay, will, in the near future, minimise the toll of life of citizens, if not eradicate it. So far as Tuberculosis is concerned there is not much improvement although B. C. G. vaccination campaign is pursued vigorously. The Standing Committee, therefore, feel that medical authorities should investigate this problem with a view to find other remedial measures to meet the growing menace of this dreaded disease to the citizens of this City.

Dispensaries.

54. The number of new cases treated at the 59 dispensaries and 11 mobile dispensaries was 15,57,709 as against 17,07,507 in the year 1966. In addition to the above dispensary work, women and children's clinics were conducted by three part-time lady doctors at six Municipal dispensaries for two hours, thrice a week. The number of new cases treated at these dispensaries was 2,917 (2,659 women and 258 children) as against 2,264 in 1966. The total attendance was 18,568. These figures include the visits of lady doctors to patients at their homes. At 27 Maternity and Child Welfare Clinics, 1,25,446 new cases (81,170 women and 44,276 children) were treated. The total attendance was 3,50,075.

The Standing Committee emphasizes the urgent need to upgrade all Municipal dispensaries so as to provide, X-Ray, Pathology and other facilities to render these services to patients attending them and to reduce congestion at the General Hospitals.

The Municipal Eye Dispensary and Hospital at Kamathipura was attended by eight honoraries on alternate days. The Hospital has an accommodation for 20 beds each for males and females with an operation theatre. The total attendance of patients was 1,27,161 as against 92,826 in 1966. The total number of new cases treated was 27,563 as against 26,254 in 1966. The number of indoor patients among the new cases treated and the total attendance of indoor patients were 739 and 7,449, respectively.

Leprosy.—The control of Leprosy in the City was exercised as before through the Acworth Leprosy Hospital, Wadala, with an accommodation of 500 beds. In addition to this the Institution conducts a well equipped out-patients' clinic, the entire cost of which is borne by the Corporation. The Corporation also bears the cost on account of 48 bed for the voluntary patients and 150-170 beds for the Bombay resident patients. Besides, the payment of cost of Domiciliary Services and Rs. 10,000 for rendering Sulphone treatment, the Corporation pays one third of the recurring expenditure of Greater Bombay Leprosy Control Scheme activities as also the entire cost of Capital Works.

The average daily attendance of patients was 199.5 and the total number of new cases, treated at the Acworth Leprosy Clinic was 3,755 and the average daily attendance of patients was 282.5 and the total number of new cases treated at the Greater Bombay Leprosy Control Scheme was 1,637.

Venereal Diseases.

55. For combating Venereal Diseases free medical facilities both preventive and curative were continued as in the preceding year. During the year 21,667 (19,768 males and 1,899 females) cases were treated for Venereal and 2,498 (1,288 males and 1,210 females) in non-Venereal cases were also treated.

School Health Work.

56. During the year, out of about 5,23,150 municipal school children in the City, 83,709 children were found to be defective. 1,523 cases with minor ailments among the children were treated in the municipal dispensaries. 34,720 children with major ailments were treated at the School Clinics at the K. E. M. Hospital, Nair Hospital and the L. T. M. G. Sion.

21,540 children from Municipal Schools were B. C. G. vaccinated and 1,53,868 children were given T. A. B. inoculation. The Mobile Health Unit examined 4,769 children in Municipal Schools.

Kastubrah Hospital for Infectious Diseases, Arthur Road.

57. Except Tuberculosis and Leprosy, patients suffering from other infectious diseases are admitted to the Hospital. The total number of patients admitted during the year was 27,911 as against 29,461 in the preceding year. They included 2,380 cases of Small-pox, 523 of Enteric fever.

There were as many as 1,849 cases of Diphtheria out of which 112 proved fatal showing the fatality rate of 6.0 per cent. The cases were admitted predominantly from Parel, Lalbaug, Byculla, Matunga and Girgaum localities.

2,380 cases of Small-pox were admitted in the hospital out of which 990 died, giving a fatality rate of 41.2 per cent.

The total expenditure of the Hospital during the year was Rs. 37,80,465 as against Rs. 33,25,538 in the preceding year.

The Standing Committee repeatedly regrets to note that the question of setting up of an Infectious Diseases Hospital in Suburbs is kept pending since over 7 years.

Health Propaganda.

58. The Health Propaganda and Education was carried out through the Public Relations Department.

The Water Sampling Programme was continued as usual and samples were collected from all the wards.

Audit.

59. This year also the Municipal Chief Auditor's Report has not been included in the Municipal Commissioner's Administration Report, as required by Section 137(4) of the Bombay Municipal Corporation Act.

The Standing Committee are of the considered opinion that every effort must be made by the respective Heads of the Departments to comply with the statutory provisions. The Municipal Chief Auditor's Report would have been of much help to the Standing Committee in their scrutiny of the various facts and figures incorporated in the Report of the Municipal Commissioner. The Report, however, will be forwarded to the Corporation separately when received.

Acknowledgement.

60. In conclusion, the Standing Committee desire to record their appreciation of the very valuable services rendered by Shri J. H. Patwardhan who held the office of the Municipal Commissioner throughout the year and whose administrative abilities and financial acumen were of great help to the Committee.

MUNICIPAL CORPORATION OFFICE,
BOMBAY, 19th March 1969.

H N. TRIVEDI,
Chairman,
Standing Committee.

**ADMINISTRATION REPORT
OF THE MUNICIPAL COMMISSIONER
FOR GREATER BOMBAY
FOR THE YEAR 1967-68**

Herewith a detailed report of the Municipal
Administration of Greater Bombay as required under
Section 124 of the Bombay Municipal Corporation Act.

J. H. PATWARDHAN,
*Municipal Commissioner
for Greater Bombay.*

GENERAL

CORPORATION, STANDING COMMITTEE, IMPROVEMENTS COMMITTEE AND THE EDUCATION COMMITTEE

CORPORATION

Dr. J. Leon D'Souza who was elected Mayor at the first Meeting of the Corporation held on 3rd April 1967, held that Office throughout the year.

2. One hundred and thirteen Meetings of the Corporation including Nineteen Special and Ad-journed Special Meetings, One hundred and thirteen Meetings of the Special Committees and Nine Meetings of their Sub-Committees and three Meetings of the Consultative Committees and one Meeting of their Sub-Committee were held during the year. They accorded Civic Address to Dr. Zakir Husain, President of India and Civic Receptions to (i) Shri Dayanand B. Bandodkar, Hon'ble Chief Minister for Goa, Diu and Daman, (ii) Pandit S. D. Satavalekar, (iii) Officers and Personnel of the Territorial Army Units in Greater Bombay, (iv) His Royal Highness Shah Karim Aga Khan, (v) Delegates attending the 30th Annual Session of All India Women's Conference, (vi) Delegates attending the Twenty-Third National Conference on Tuberculosis and Chest Diseases, (vii) Delegates attending the First Congress of the South-East Asia & Pacific Area League against Rheumatism, (viii) Lady Baden Powell, World's Chief Guide, (ix) Smt. Kamaladevi Chattopadhyay, (x) Shri Chunilal V. Nayak, and (xi) Smt. Lata Mangeshkar.

3. There was no change in the personnel of the Corporation during the year. The vacancies caused by the death of Shri H. J. Shaikh and Shri S. S. Wagh were not filled in. Dr. V. A. Castellino, ceased to be a member of the Corporation, (from 5th July 1966 *Vide* Corporation Resolution No. 405, dated 16th August 1966).

STANDING COMMITTEE

4. Shri R. G. Mirashi was elected Chairman of the Standing Committee at their Meeting held on 7th April 1967, and held that office throughout the year.

5. The change that took place in the personnel of the Standing Committee was the appointment of (i) Shri Dudhanath J. Singh as Member of the Standing Committee from 5th May 1967, vice Shri T. E. Kachwalla resigned on 20th April 1967 and (ii) Dr. J. M. Lakhani as a Member of the Standing Committee from 5th May 1967 vice Dr. J. Leon D'Souza resigned on 8th April 1967.

6. Shri P. G. Mohadikar was an ex-Officio Member of the Standing Committee on his appointment as the Chairman of the Education Committee with effect from 7th April 1967.

7. Ninety regular Meetings including Adjoined Meetings and Twenty five Special Meeting including Adjoined Special Meetings were held during the year.

IMPROVEMENTS COMMITTEE

8. Shri M. H. Bedi was elected Chairman of the Improvements Committee at their Meeting held on 4th April 1967 and held that Office throughout the year.

9. There was no change in the personnel of the Improvements Committee throughout the year.

10. Twenty-six regular Meetings including Adjoined Meetings were held during the year.

EDUCATION COMMITTEE

11. Shri P. G. Mohadikar was elected Chairman of the Education Committee at their Meeting held on 7th April 1967 and held that Office throughout the year.

12. No change took place in the personnel of the Education Committee during the year.

13. Fourteen regular Meetings including Adjoined Meetings and six Special Meetings including Adjoined Special Meetings were held during the year.

14. (a) Shri P. C. Pandya, M.A., LL.B., M.P.A. (U.S.A.) continued to hold the Office of the Municipal Secretary during the year.

(b) No circumstances arise in this department in which it was necessary to involve the provision of the Municipal Servants Act, 1890.

(c) There was no award of adjudication during the year 1967-68 so far as the Department is concerned.

**LIST OF MEMBERS OF THE CORPORATION WHO HELD OFFICE
ON 31ST MARCH 1968**

DR. J. LEON D'SOUZA, M.B., B.S., *Mayor.*

SHRI R. G. MIRASHI, *Chairman, Standing Committee.*

SHRI M. H. BEDI, *Chairman, Improvements Committee.*

SHRI P. G. MOHADIKAR, B.A. (Hons.), B.Ed., *Chairman Education Committee.*

SHRI R. K. GANATRA, *Chairman, B, E. S. & T. Committee.*

ADAK, SHRI K. N.
ADVANI, SHRI H. P., B.A. (Hons.), B.COM., LL.B.
ASHAYYA, SHRI B. B.
BABU MIRAN, SHRI.
BAGWE, SHRI G. S., B.A., LL.B.
BAKHLE, SHRI D. P.
BANDOOKVALA, SHRI ESHAKBHAI A.
BAPAT, SHRI V. P., B.Sc. (Engg.), M.I.E.
BELOSAY, SHRI R. L., B.A., LL.B.
BHATIA, SHRI P. D.
BILPODIWALA, DR. M. C., M.B., B.S.
BOMAN-BEHRAM, SHRI B. K., M.A., LL.B.
BORKAR, SHRI S. K.
CHIMBULKAR, SHRI R. K.
CHOGLE, SHRI H. W.
CHUNAVALA, SHRI MAHOMED HASAN FAZLUDDIN.
CORREA, SHRI H. J., B.A., LL.B.
DALAL, SMT. DEVIBEN., B.Sc.,
DAROGA, SHRI J. D. M.Sc. (Lond.), M.I.C.E., M.I.E.,
M.I. Mech. E.
DAVE, SHRI K. P.
DESAI, SHRI K. G.
DESAI, SHRI K. L.
DESAI, SHRI V. N., B.A.
DHABUVALA, DR. B. M.
DHUME, SHRI B. S., L.E.E.
DIGHE, SHRI B. S.
DIVGI, DR. B. P., M.B., B.S.,
FERNANDES, SHRI GEORGE J.
GANACHARYA, SHRI G. B.
GAVKAR, SMT. VIJAYA H., B.A., B.Ed., P.P.T.C.
GOAD, SHRI Y. S.
GOMES, SHRI R. J.
GORE, SMT. MRINAL K.
HINGORANI, DR. R. B.
HULE, SHRI G. M.
INDUKLAR, SHRI P. M.
JAGTAP, SHRI S. R.
JARIVALA, SHRI A. S., B.A. (Hons.), LL.B.
JOHNSON JACOB, SHRI
JOSHI, SHRI J. K.
KACHVALA, SHRI T. E., LL.B.
KADAM, SHRI R. T.
KALGUTKAR, DR. B. D., L.C.P.S., M.B., B.S.
KANDALKAR, SHRI T. G.
KANGUTKAR, SHRI T. D., B.A.
KAVTE, SHRI M. N.
KHANDVANI, SHRI M. A.
KHANOKLAR, SHRI M. S.
KHARAT, SHRI R. G.
KHARE, SHRI C. H.
KURANE, SHRI P. K., B.A.
LAKHANI, DR. J. M., M.B., B.S.
LOKE, SHRI G. S.
MADHAVAN, SHRI M.
MAHADESHWAR, SHRI S. B.
MANDEKAR, SHRI A. M.
MANSHARMANI, DR. B. R., L.C.P.S.
MANTRI, SHRI M. D., B.A., LL.B., DIP. L.W.
MATKAR, DR. W. S., L.C.P.S. (Bom.).
MEHTA, SHRI N. D.
MEMON, DR. A. U.

MHATRE, SHRI B. K.
MINOCHEHER-HOMJI, SHRI BOMANSHA HORMASJI.
MODI, SHRI S. A.
M. NABI, SHRI
MORAES, DR. C., M.B., B.S.
MORE, SHRI N. M.
MORE, DR. R. B.
MOTORWALLA, SHRI Z. A.
MUNSHI, SHRI M. N.
PANDYA, SMT. LILYBEN A., B.Sc., (Lond.).
PAREKH, SHRI K. M., B.Sc., (Bom.), M.Sc., (M.I.T., U.S.A.).
PARIKH, SHRI D. M., M.A., LL.B.
PARIKH, SHRI M. P.
PATEL, DR. S. G., M.B., B.S.
PATEL, SHRI S. M., M.Sc.
PATIL, DR. B. S.
PATIL, SHRI G. L.
PATIL, SHRI J. M.
PATIL, SHRI R. P.
PATKAR, SHRI S. R.
PAVASKAR, SHRI K. Y.
PENDSE, SHRI G. M.
PHANIBAND, SHRI K. M.
PRATAP Singh LAKSHMIDAS, SHRI
PUJARI, SHRI L. P.
PUSALKAR, DR. G. D., M.B., B.S.
RANGNEKAR, SMT. AHILYA P., B.Sc.,
RAUT, SHRI L. R.
RAVAL, DR. V. G.
REDDY, SHRI G. L.
REDDY, SMT. TARA G.
RUKHE, SHRI R. G.
SAVANT, SHRI R. D.
SAVE, SHRI R. H.
SAYAD, SHRI M. A.
SETHI, SHRI M. L.
SHAH, SHRI C. N.
SHAH, SHRI JAGOOBHAI V.
SHAH, SHRI JIVRAJ B.
SHAH, DR. NAGINDAS N.
SHETYE, SHRI M. S.
SHIGVAN, SHRI P. D.
SINGH, SHRI D. N.
SINGH, SHRI R. K.
SINGH, SHRI S. R.
SINGHI, SHRI T. H., B.A.
THAKKAR, SHRI K. V., M.Sc.,
TORASKAR, PROF. (SMT.) ASHA. V., M.A.
TRIPATHI, SHRI R. V., B.A.
TRIVEDI, SHRI H. N.
TRIVEDI, SHRI K. H.
UGRANKAR, DR. S. S., M.B., B.S. (Bom.), M.B.C.P. (Lond.).
UPADHYA, SHRI, P. U.
UPPUR, SHRI T. K.
VAIRAGI, SHRI M. T.
VANIA, SHRI D. D., B.A., LL.B.
VARDE, SHRI S. S., M.A.
VIRVADIA, SHRI M. V.
VORA, SHRI P. H.
WORLIKAR, SHRI V. B.
YADAV, SHRI R. R.
ZUTE, SHRI B. D.

**LIST OF MEMBERS OF THE STANDING COMMITTEE WHO HELD
OFFICE ON 31ST MARCH 1968**

SHRI R. G. MIRASHI, (*Chairman*).
SHRI V. P. BAPAT.
SHRI R. L. BELOSAY.
DR. B. D. KALGUTKAR.
SHRI R. G. KHARAT.
DR. J. M. LAKHANI.
DR. A. U. MEMON.
SHRI P. G. MOHADIKAR (*Ex. Officio*),
SMT. LILYBEN A. PANDYA.

SHRI D. M. PARIKH.
DR. BHAL S. PATIL.
SHRI M. S. SHETYE.
SHRI DUDHANATH J. SINGH.
SHRI T. H. SINGHI.
SHRI K. V. THAKKAR.
SHRI H. N. TRIVEDI.
DR. S. S. UGRANKAR.

**LIST OF MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD
OFFICE ON 31ST MARCH 1968**

SHRI M. H. BEDI (*Chairman*).
SHRI H. P. ADVANI.
SHRI R. K. CHIMBULKAR.
SHRI H. W. CHOGLE.
SHRI J. D. DAROGA.
SHRI K. L. DESAI.
SHRI Y. S. GOAD.
SHRI S. B. MAHADESHWAR.

SHRI M. N. MUNSHI.
SHRI M. NABI.
SHRI KANTILAL M. PAREKH.
SHRI G. M. PENDSE.
SHRI K. M. PHANIBAND.
SHRI L. P. PUJARI.
SHRI M. L. SETHI.
SHRI J. V. SHAH.

**LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD
OFFICE ON 31ST MARCH 1968**

SHRI P. G. MOHADIKAR (Chairman). DR. M. C. BILPODIWALA. SMT. D.F.VIBI N S. DALAL. SHRI M. R. DANDAVATE*. SHRI K. P. DAVE. SHRI K. R. GANGURDE. PROF. (SMT.) CHARUSHEELA B. GUPTE*. SHRI M. A. KHANDVANI.	SHRI C. H. KHARE. SHRI N. D. MEHTA. SMT. USHABEN H. MEHTA. * SHRI C. N. SHAH. SMT. AHILYA P. RANGNEKAR. SMT. TARA G. REDDY. SHRI R. V. TRIPATHI. SHRI K. H. TRIVEDI.
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* Non Councillor Member.

MUNICIPAL COMMISSIONER'S OFFICE

The designations and names of the important Municipal Officers together with the period for which the posts were held by each of them are given below:—

Designation.	Name of the Officer.	Period.
Municipal Commissioner	... Shri J. H. Patwardhan, M.A., LL.B.	From 1-4-67 to 11-7-67 and from 12-8-1967 to 31-3-1968.
	Shri S. M. Y. Sastry, M.A., B.L.	From 12-7-1967 to 11-8-1967.
Deputy Municipal Commissioner (Sub. Development).	... Shri S. M. Y. Sastry, M.A., B.L.	From 1-4-1967 to 11-7-1967 and From 12-8-1967 to 31-3-1968
Deputy Municipal Commissioner (Improvements).	... Shri C. Soares, B.E. (Civil) ...	From 1-4-1967 to 10-9-1967 and From 5-11-1967 to 31-3-1968
	Shri R. G. Gulgule, B.COM. ...	From 11-9-1967 to 4-11-1967
Deputy Municipal Commissioner (Labour).	... Shri R. J. Tamboli, M.sc. ...	Throughout the year.
Deputy Municipal Commissioner (Suburbs).	... Shri M. R. Natarajan ...	Do.
Deputy Municipal Commissioner (General).	... Shri V. C. Vaidya, M.A., LL.B.	Do.

MUNICIPAL CHIEF AUDITOR

The post of Municipal Chief Auditor was held by Shri R. G. Godbole, B. COM., F.C.A., F.C.C.S. (London), Associate member of the National Association of Accountants, New York, throughout the year under report.

HEADS OF DEPARTMENTS

(CITY)

Designation.	Name of the Officer.	Period.
(1) City Engineer	... Shri V. D. Desai, B.E. (Civil), M.E. (P.H.), Calcutta with 1st class, A.M.I.E. (India).	Throughout the year.
(2) Chief Accountant	... Shri R. G. Gulgule, B.COM. ...	From 1-4-1967 to 30-7-1967 and From 11-9-1967 to 31-3-1968
	Shri V. C. Parikh, B.COM., C.A., I.I.B.	From 31-7-1967 to 10-9-1967

HEADS OF DEPARTMENTS
CITY—(Contd.)

Designation.	Name of the Officer.	Period.
(3) Hydraulic Engineer	... Shri D. R. Bhise, B.E. (Civil), M.I.E. (India).	Throughout the year.
(4) Executive Health Officer	... Dr. R. B. Fondekar, M.B., B.S., B.Hy.	Do
(5) Dean, K. E. M. Hospital and G. S. Medical College.	Dr. S. V. Joglekar, M.S., F.C.P.S.	Do.
(6) Dean, Bai Yamunabai L. Nair Charitable Hospital and Topiwala National Medical College.	Dr. T. H. Rindani, M.D., D.Sc., F.A.Sc., F.A.M.S.	Do.
(7) Dean, Nair Hospital Dental College.	Dr. M. S. N. Ginwalla, L. D.Sc., D.D.S., M.Sc., F.I.A. O.S.	Do.
(8) Chief Fire Officer	... Shri S. Fredilis ...	Do.
(9) Dean, Lokmanya Tilak Municipal General Hospital and Lokmanya Tilak Municipal Medical College, Sion.	The post was kept vacant ...	Dr. V. N. Panse, M.D., M.P.H. (Columbia), Professor of Preventive and Social Medicine, Lokmanya Tilak Municipal Medical College Sion, looked after the duties of Dean throughout the year in addition to his own.
(10) Medical Superintendent, G. T. B. Hospital.	Dr. S. A. Shah, M.D., D.M.R.E., D.P.H., T.D.D., F.C.C.P.	Throughout the year.
(11) Assessor and Collector	... Shri B. H. Prabhavalkar, M.A.	Throughout the year.
(12) Education Officer	... Dr. (Smt.) Madhuri R. Shah, B.A. (Hons.), M.Ed., Ph.D. (Bombay) Ph.D. (Lond.).	From 1-4-1967 to 9-6-1967 and From 25-6-1967 to 31-3-1968
	Smt. Pushpa Desai, B.A., B.T., M.Ed. (U.S.A.).	From 10-6-1967 to 24-6-1967
(13) Solicitor to Corporation	... Shri A. M. Desai, M.A., LL.B. ...	Throughout the year.
(14) Project Engineer	... Shri L. G. Dhaygude, B.E. (Civil), A.M.I.E. (India).	Do.
(15) Controller of Stores	... Shri F. D'Souza, B.E. (Civil), A.M.I.E.	On leave from 1-4-1967 to 30-4-1967. Retired from Municipal Service from 1-5-1967.
	Shri K. S. Pesina, B.E. (Civil) ...	Appointed as officer on Special Duty (Stores) from 1-4-1967 to 30-4-1967 and as Controller of Stores from 1-5-1967. From 1-5-1967 to 31-3-1968;
(16) Superintendent of Markets	... Dr. V. Periyar, C.B.V.C. ...	Throughout the year.
(17) Officer on Special Duty	... Shri G. W. Shiveshwarkar ...	Throughout the year.
(18) Ward Officer (Estates)	... Shri M. S. Dikshit, B.A. (Hons.)	From 1-4-1967 to 10-4-1967.
	Shri K. U. Mehta, B.A. (Hons.)	From 11-4-1967 to 31-3-1968.
(19) Labour Officer	... Smt. F. A. Irani, B.A. (Hons.) LL.B., D.S.S.A.	From 1-4-1967 to 5-11-1967 and From 26-11-1967 to 31-3-1968.
	Shri G. S. Saudagar, B.A. (Hons.), LL.B., D.I.W.	From 6-11-1967 to 25-11-1967.
(20) Public Relations Officer	... Shri N. A. Mistry, M.A., D.J., Dip.S.W.	Throughout the year. Shri Mistry was also looking after the work of Bombay Civic Journal during the year under report in addition to his own.

HEADS OF DEPARTMENTS
CITY—(Contd.)

Designation.	Name of the Officer.	Period.
(21) Dy. Assessor and Collector (Octroi and Election Branch.	Shri B. S. Nadkarni, B.A. (Hons), LL.B.	Throughout the year. Shri N. S. Chaubal working as Election Officer from 1-9-1967 till end of the year and Shri B. H. Prabhavalkar, A. & C. was overall incharge of Election Branch during the above period.
(22) Superintendent of Licences	... Shri C. K. Patel, M.A., LL.B. ...	Throughout the year.
(23) Chief Inspector of Shops and Establishment.	The post was kept vacant	... Shri C. K. Patel, Superintendent of Licences was in charge of the department throughout the year.
(24) Superintendent of Gardens	... Shri G. S. Hegde, B.Ag. ... Shri F. D. Iranl, B.Ag. ...	From 1-4-1967 to 31-8-1967. From 1-9-1967 to 31-3-1968.
(25) Research Officer	... The post was vacant till 19-7-1967. Dr. V. Y. Pendharkar, B.sc. (Hons.), M.Ed., Ph.D.	From 20-7-1967 to 31-3-1968.
(26) Manager, Municipal Printing Press.	The post was kept vacant throughout the year.	Shri N. Rao looked after the duties of M.M.P. in addition to his own and Shri Iqbal Husein and Shri B. S. Joshi looked after the duties of M.M.P. in addition to their own when Shri N. Rao was on leave.
(27) Assistant Medical Officer (Ear, Nose, and Throat Hospital).	Dr. M. J. Nerurkar, M.S.	... Throughout the year.
(28) Organisation and Methods Officer...	Shri K. U. Mehta	... From 1-4-1967 to 10-4-1967 and looking after the work of O. & M. Officer from 11-4-67 to 18-6-67 in addition to the duties of W.O. (Estates).
	Dr. S. D. Parchure, M.A., Ph.D.	From 19-6-1967 to 31-3-1968.
(29) Curator, Victoria and Albert Museum.	The post was kept vacant	... Shri S. W. Apte, Chief Librarian looked after the duties of C. M. in addition to his own upto 10-1-1968. Shri V. N. Barve, Ag. H.C. looked after the duties of C.M. from 11-1-1968 to 31-3-1968 in addition to his own.
(30) Chief Complaints Officer	... Dr. S. D. Parchure, M.A., Ph.D.	From 1-4-1967 to 18-6-1967. The post has been kept vacant since 19-6-1967.
(31) Manager, Mahatma Gandhi Memorial Olympic Swimming Pool.	Shri S. N. Pinge	... Throughout the year.
(32) Chief Librarian	... Shri S. W. Apte, M.A., Dip.Lib.	From 1-4-1967 to 10-1-1968. Shri V. N. Barve, Ag. H.C. looked after the duties of C.L. from 11-1-1968 to 31-3-1968 in addition to his own.
(33) Manager, Raja Dr. Baldevdas Birla Kreedakendra.	Shri S. G. Gavankar	... Throughout the year.

HEADS OF DEPARTMENTS.
(Suburbs and Extended Suburbs).

Designation.	Name of the Officer.	Period.
(1) Dy. Executive Health Officer (Suburbs).	Dr. D. V. Parulekar, M.B.B.S., D.Ph., M.P.H. (U.S.A.).	Throughout the year.
(2) Dy. Accountant (Suburbs)	... Shri V. C. Parikh, B.Com., C.A., I.I.B. Shri M. V. Kanekar, B. com., A.C.A.	From 1-4-1967 to 31-7-1967 and From 11-9-1967 to 31-3-1968. From 1-8-1967 to 10-9-1967.
(3) Dy. Assessor and Collector (Suburbs)	Shri A. G. Rele, B.A. (Hons.) ...	Throughout the year.
(4) Assistant Superintendent of Markets (Suburbs).	Shri M. G. Talim ...	Do.

COMPLAINTS SECTION AND CENTRAL CONTROL ROOM

The Complaints Section dealt with all the complaints concerning Municipal Services received in the Central Control Room at Eabula Tank Road, Bombay 9. Complaints were referred to the departments concerned in all the Wards were followed up systematically and the complainants were contacted, if required, to see that their grievances were redressed within a reasonable time. The total number of complaints registered and followed up by the Central Control Room during the year under report is 13,685.

The Central Control Room remains open on all the days including Sundays and Holidays. It receives complaints from the members of the public on Telephone No. 332266. It is working in close co-operation with the Fire Brigade, Water Supply Control Room and sees that in case of the House Collapses and such other emergencies, the Municipal Officers and staff appear on the scene without any delay. Co-ordination between the Heads of the Departments is also brought about on such occasions.

The required information on the Civic matters is also furnished to the members of the public, inquiring on Telephone No. 332266.

M. W. CHANDIRAMANI,
Senior Complaints Officer, Central Control Room.

BIRLA KREEDA KENDRA

This multi purpose cultural recreational centre was reserved by the public for various cultural activities. This Kendra has collected a revenue of Rs. 78,089.80 during the period from 1-4-1967 to 31-3-1968 as against Rs. 64,412.00 during the previous year.

Documentary films and demonstration of the electric toytrains were shown free of charge to the Municipal School Children in the two halls on the first floor, till 21-8-1967 and from 22-8-1967 all children are allowed free of charge to visit the halls on all days between 4 P.M. and 7 P.M. except Sundays and Public Holidays.

The Chowpatty Foreshore was kept under the supervision of the Manager for maintenance of sanitation. The Hall is proposed to be air-conditioned with suitable alterations shortly.

S. G. GAVANKAR,
Manager,
Birla Kreeda Kendra.

FINANCIAL

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement Schemes and the Education Fund for the year 1967-68.

GENERAL MUNICIPAL ADMINISTRATION

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

	1967-68			Actuals for 1966-67
	Budget Estimates.	Revised Estimates.	Actuals	
	Rs.	Rs.	Rs.	Rs.
Opening Balance	... 4,83,16,000	5,75,05,810	5,75,05,810	3,50,24,226
Income	... 37,68,37,000	38,62,18,340	37,86,79,604	37,20,64,090
Expenditure	... 37,27,72,650	39,82,19,849	38,13,12,717	32,76,76,585
	40,64,350 (Surplus)	1,20,01,509 (Deficit)	26,33,113 (Deficit)	4,43,87,505 (Surplus)
Balance	... 5,23,80,350	4,55,04,301	5,48,72,697	7,94,11,731
Deduct Reservation for Advances	... ..	+ 66,31,620	1,19,50,762	-2,19,05,921
Closing Balance	... 5,23,80,350	5,21,35,921	4,29,21,935	5,75,05,810

2. The details of reservation of advances etc.

	Rs.	Rs.
<i>Increases</i>		
In Capital Stores Foras Road Depot	... 8,252	
In Contribution towards Improvement Schemes	... 6,99,520	
In Advances to Public including Co-operatives for Housing purpose	... 17,48,474	
In Renewed grant for expenditure in 1968-69	... 81,20,700	
In Advance Miscellaneous Advances	... 17,53,546	
		1,23,30,492
<i>Decreases</i>		
In Reserve Stores	... 3,79,730	
		3,79,730
Net increase		1,19,50,762

3. The net unencumbered Surplus Cash Balance on 31st March 1968 was as under :—

	Rs.	Surplus Fund as per Appendix No. 2	Rs.
Capital Stores (Foras Road depot)	... 17,917		11,03,62,867
Capital Stores	... 47,62,367		
Reserve Store and Line Suspense Account	... 59,48,646		
Advance for Plant and Machinery	... 23,76,332		
Miscellaneous Advances	... 3,77,46,273		
Advance to Co-operative Societies for Housing	... 65,89,397		
Advance to the Bombay Electric Supply and Transport Undertaking	... 1,00,00,000		
Minimum required by law	... 1,00,000		
Surplus Cash Balance	... 4,28,21,935		
Total	... 11,03,62,867		11,03,62,867

4. The Opening and Closing Reserve Stores (including Capital Stores) Balance for the year 1967-68 compared below :—

	Opening Balance	Closing Balance	Increase Decrease
	Rs.	Rs.	Rs.
<i>Serviceable Stores—</i>			
Reserve Stores	... 59,49,178	55,53,652	- 3,95,526
Reserve Stores (Foras Road Depot)	... 2,91,679	3,07,522	+ 15,843
Line Suspense Account	... 87,519	87,472	- 47
Capital Stores	... 2,08,97,283	2,07,08,720	- 1,88,563
Capital Stores (Foras Road Depot)	... 51,235	59,487	+ 8,252

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

City Section

Outstanding debts on 1st April 1967.	Loans raised during the year.	Repayment during the year.	Outstanding debts on 31st March 1968.
Rs.	Rs.	Rs.	Rs.
61,01,83,728	13,10,27,712	3,79,93,610	70,32,17,830

The details of the loans raised are as stated below :—

- | | | |
|-----|--------------------|--|
| (1) | Rs.
2,90,95,000 | Being the loan amount towards Rs. 400 lakhs issued at Rs. 98 with a currency of 12 years at 6 per cent interest per annum raised by public subscription out of Rs. 1,675 lakhs loan sanctioned under Corporation Resolution No. 558 dated the 31st August 1967 and G. R. No. LON/3267/C-2365/XVI, dated the 10th November 1967. The provision of Sinking Fund is sanctioned on 12 year basis improving at 5½ per cent. |
| (2) | 8,00,00,000 | Being the loan issued at par at 6 per cent interest per annum with a currency of 25 years raised internally as sanctioned under C. R. No. 558, dated the 31st August 1967 and G. R. No. LON/3267/C-2365/XVI, dated the 10th November 1967. |
| (3) | 2,00,00,000 | Being the loan issued at Rs. 99.50 at 7 per cent interest per annum with a currency of 12 years raised from Life Insurance Corporation of India as sanctioned under C. R. No. 2036 dated the 11th March, 1968 and G. R. No. LLB/3267/8-2259N dated the 25th March 1968. |
| (4) | 19,32,712 | Being advances from Special Funds for purchase of Plant and Machinery repayable by annual equated instalments in five years at 6 per cent interest per annum. |
| | 13,10,27,712 | |

The repayments during the year were as under :—

- | | | |
|-----|-------------|---|
| (1) | 48,83,034 | Repaid to Government on the basis of payment from Revenue in respect of Advances taken from them. |
| (2) | 3,09,60,000 | Repaid to Debenture holders out of Sinking Fund Investment. |
| (3) | 21,50,576 | Repaid to different Special Funds out of Revenue on the basis of equated payments. |
| | 3,79,93,610 | |

The position of the Sinking Fund is shown below :—

Amount of fund on 1st April 1967.	Interest etc. received	Sinking Fund Instalments.	Total	Withdrawn for payment of loans.	Amount of fund on 31st March 1968.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
18,11,76,177	77,40,192	2,33,10,507	21,22,26,876	3,09,60,000	18,12,66,876

The value of the Securities held in the Sinking Fund on the basis of market rates prevailing on 31st March 1968, including accrued interest and cash exceeds the actuarial amount of the Sinking Fund by Rs. 1,08,72,138.

SUBURBS

The loan liabilities at the beginning and at the end of the year were as under :—

Outstanding debt as on 1st April 1967.	Loans raised during the year.	Repayment during the year.	Outstanding debt on 31st March 1968.
Rs.	Rs.	Rs.	Rs.
12,70,83,000	95,00,000	49,80,300	13,16,02,700

A loan of Rs. 45 lakhs was raised by public subscription during the year at 6 per cent per annum at Rs. 98 with a currency of 12 years sanctioned under C. R. No. 558, dated the 31st August 1967 and G. R. No. LON-3267/C-2365/XVI, dated the 10th November 1967 and a loan of Rs. 50 lakhs was raised internally as sanctioned under Corporation Resolution No. 558, dated the 31st August 1967 and G. R. No. LON/3267/C-2365/XVI, dated the 10th November, 1967.

The position of Sinking Fund is shown below :—

Amount of Fund on 1st April 1967.	Interest, etc. realisation.	Sinking Fund instalments.	Withdrawal for payment of loans.	Amount of Fund on 31st March 1968.
Rs.	Rs.	Rs.	Rs.	Rs.
4,05,29,290	21,91,653	73,88,168	49,80,300	4,51,28,811

The value of the securities held in the Sinking Fund Account on the basis of Market rates prevailing on 31st March 1968 including accrued interest and cash exceeded the actuarial amount of Sinking Fund by Rs. 22,65,885 which was held in the Sinking Fund Account.

EXTENDED SUBURBS

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

Outstanding debt as on 1st April 1967.	Loans raised during the year.	Repayment during the year.	Outstanding debt on 31st March 1968.
Rs.	Rs.	Rs.	Rs.
3,52,00,000	55,00,000	...	4,07,00,000

A loan of Rs. 35 lakhs was raised by Public Subscriptions during the year at 6 per cent at Rs. 98 with a currency of 12 years sanctioned under C. R. No. 558, dated the 31st August 1967 and G. R. No. LON/3267/C-2365/XVI, dated the 10th November 1967 and a loan of Rs. 20 lakhs was raised internally during the year at 6 per cent with a currency of 25 years sanctioned under C. R. No. 558, dated the 31st August 1967 and G. R. No. LON/3267/C-2365/XVI, dated the 10th November 1967.

The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1967.	Interest, etc. realisation.	Sinking Fund instalments.	Withdrawal for Repayment of loans.	Amount of Fund on 31st March 1968.
Rs.	Rs.	Rs.	Rs.	Rs.
68,91,582	3,40,099	16,18,415	...	88,50,096

The value of securities held in the Sinking Fund Account on the basis of Market rates prevailing on 31st March 1968 including accrued interest and cash exceeded the actuarial amount of sinking Fund by Rs. 2,43,004 which was held in the Sinking Fund Account.

6. The estimated income for the year was Rs 37,68,37,000 and Revised Estimates was Rs 38,62,18,340 (on the basis of 8 months actuals). The actuals amounted to Rs. 37,86,79,604 resulting in an increase of Rs. 18,42,604 on the Budget Estimates and decrease of Rs. 75,38,736 on the Revised Estimates.

OCTROI

7. The gross collections for the year were estimated at Rs. 11,25,40,000 the refunds and commission charges at Rs. 1,00,00,000 and the net revenue at Rs. 10,25,40,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 11,10,56,649 and after deducting the amount of Rs. 1,39,18,126 (on account of Refunds Rs. 1,34,81,991 and on account of fees for collection Rs. 4,36,135 credited to the separate Revenue Heads) the net receipts amounted to Rs. 9,71,38,523 showing decrease of Rs. 86,22,497 as compared with the actuals of the previous year. (i.e., Rs. 10,57,61,020).

REVENUE EXPENDITURE

for Divisions I, II and III

8. The final sanctioned grants amounted in the aggregate to Rs. 46,91,38,859 as follows :—

	Rs.
Budget grants	...
Unexpended Grants for previous years renewed for Expenditure	37,27,72,650
Additional grants	3,82,57,110
Less—transfer to the Advance & Suspense Account	5,81,10,499
	1,400
Final sanctioned grants	46,91,38,859

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 17,22,213.

Against the final grants for the year aggregating to Rs. 46,91,38,859 as stated above the actuals amounted to Rs. 38,13,12,717 leaving an unexpended balance of Rs. 8,78,26,142 at the close of the year. Of this, sum of Rs. 5,30,81,840 is being renewed for expenditure during 1968-69 against Rs. 4,49,61,140 in 1967-68 and the Balance of Rs. 3,47,44,302 is being allowed to lapse.

9. The percentage of establishment to the total expenditure for 1967-68 and the previous year is as given below :—

Divisions.	Percentage to total expenditure during	
	1967-68	1966-67
I	... 31.72	34.91
II	... 29.98	29.36
III	... 31.53	34.70

LOAN WORK EXPENDITURE (CITY)

10. The opening balance on 1st April 1967 on account of Loan Funds excluding the Trust Fund was Rs. 84,56,688. Loans aggregating to Rs. 13,10,27,712 were raised during the year. A credit of Rs. 1,88,563 was received on account of Transfer of Stores under Capital Stock. Thus the total loan funds available for expenditure during the year were Rs. 13,96,72,963. The total expenditure incurred during the year amounted to Rs. 12,13,41,475 leaving a balance of Rs. 1,83,31,488 in the Loan Funds at the close of the year.

The following statement compares the expenditure on Capital Works with the Budget and Revised Estimates during the last three years :—

Year	Loans Fund			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1965-66	... 15,15,06,410	17,21,04,234	8,76,77,945	57	50
1966-67	... 20,36,32,700	21,18,65,364	10,12,52,981	50	48
1967-68	... 26,77,88,193	21,40,84,711	12,13,41,475	45	57

The percentage of actual expenditure to the Funds available works out to 87.

SUBURBS

The amount of New Loan proposed in the Budget as well as Revised Estimates for 1967-68 was Rs. 1½ crores and actually raised to finance capital Works Expenditure including purchase of plant and Machinery was Rs. 95,00,000.

The Opening Balance on the 1st April 1967 on account of Loan Funds including Trust Fund was Rs. 51,50,653. Adding to this Rs. 95 lakhs raised during the year the total funds available for expenditure were Rs. 1,46,50,653. The total expenditure incurred during the year amounted to Rs. 2,31,66,363. The excess Expenditure of Rs. 85,15,710 is met from the Surplus monies as per C.R. 1981 dated the 11th March 1968.

The following statement compares the expenditure on Capital Works with the Budget and Revised Estimates during the last three years :—

Year	Loan Fund			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1965-66	... 4,41,72,100	5,65,51,130	1,32,02,748	30	24
1966-67	... 3,32,84,500	6,05,71,900	1,58,49,540	46	26
1967-68	... 5,04,49,858	6,47,80,377	2,32,83,997	46	34

The above figures in Column marked * do not include the amount of subvention.

The revised estimated for 1967-68 adopted by the Corporation were Rs. 6,88,80,377 including Rs. 1,00,000 on account of Subvention.

EXTENDED SUBURBS

The Opening balance on the 1st April 1967 on account of Loan Funds but excluding Trust Fund was Rs. 41,68,407. Adding to this a loan of Rs. 55 akhs raised during the year the total funds available for expenditure were Rs. 96,68,407. The total expenditure incurred during the year amounted to Rs. 1,63,26,251. The excess Expenditure of Rs. 66,57,844 is met from Surplus monies as sanctioned under C.R. 1981 dated the 11th March 1968.

The following statement compares the expenditure in Capital Works with the Budget and Revised Estimates during the last 3 years :—

Year	Loan and Trust Fund				
	Budget Estimates	Revised Estimates	Actuals	Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Rs.	Rs.	Rs.		
1965-66	2,62,37,000	1,58,00,900	42,97,929	16	27
1966-67	1,75,54,850	2,19,86,900	73,37,084	42	33
1967-68	2,35,32,200	3,77,76,500	1,63,26,251	69	43

SINKING FUND (CITY)

11. The book value of investment of the Sinking Fund as on 31st March 1968 amounted to Rs. 18,12,66,876 made up of Rs. 18,12,66,714 being the book value of securities and Rs. 162 in cash with the State Bank of India. Valuing the Municipal and Improvement Trust Debentures at par the market value of the Sinking Fund investments held on 31st March 1968 comes to Rs. 18,00,20,774. This together with the amount of interest accrued upto 31st March 1968, viz., Rs. 16,42,212 and cash with the State Bank of India Rs. 162 brings the total amount of Sinking Fund to Rs. 18,16,63,148 and more than covers the amount, viz., Rs. 17,07,91,010 to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in the Sinking Fund Account was thus Rs. 1,08,72,138.

SUBURBS

The book value of investments of Sinking Fund as on 31st March 1968 amounted to Rs. 4,51,28,810 made up of Rs. 4,51,28,746 being the book value of securities and Rs. 64 in cash with the State Bank of India. Valuing the Municipal Debentures at par the market value of Sinking Fund investments held on 31st March 1968, comes to Rs. 4,45,26,534. This together with amount of interest accrued upto 31st March 1968, viz., Rs. 5,37,758 and cash with the State Bank of India Rs. 64 brings the total amount of Sinking Fund to Rs. 4,50,64,356 and more than covers the amount viz., Rs. 4,27,98,471 to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in the Sinking Fund Account was thus Rs. 22,65,885.

EXTENDED SUBURBS

The book value of investment of the Sinking Fund as on 31st March 1968 amounted to Rs. 88,50,096 made up of Rs. 88,50,000 being the book value of the securities and Rs. 96 in cash with State Bank of India. Valuing the Municipal Debenture at par, the market value of Sinking Fund investment held on 31st March 1968 comes to Rs. 87,90,000. This together with the amount of interest accrued upto 31st March 1968, viz., Rs. 1,46,949, and cash with the State Bank of India, of Rs. 96 brings the total amount of Sinking Fund to Rs. 89,37,045 and more than covers the amount viz., Rs. 86,94,041 to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in the Sinking Fund Investment Account was thus Rs. 2,43,004.

INVESTMENT (CITY).

12. The details of aggregate Investments made during the year are as follow :—

	Amount	Average No. of days.
	Rs.	
(1) Fixed Deposits	14,63,00,000	125.55
(2) Call Deposits	4,11,00,000	18.50
(3) Current Account Deposits	2,27,00,000	8.41
	21,01,00,000	

The interest earned during the year amounted to Rs. 27,62,522 and the details are as follows :—

	Rs.
On fixed Deposits	26,66,941
On call Deposits	90,564
On Current Account Deposits	5,017
	27,62,522

The average rates of Interest on Fixed Deposits, Call Deposits and Current Account Deposits were 5.30 per cent, 4.35 per cent and .96 per cent as against 5.63 per cent, 4.18 per cent and .77 per cent for the preceeding year respectively. The rates realised on Fixed Deposits ranged from 1.50 per cent to 7 per cent, on Call Deposits from 3 per cent to 4.50 per cent and on Current Account Deposits from .50 per cent to 1 per cent.

The maximum rates realised in Fixed Deposits, Call Deposits, and Current Account Deposits during the preceding year were 6.75 per cent, 4.75 per cent and 1 per cent respectively.

SUBURBS

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

	Amount	Average No. of days
	Rs.	
(1) Fixed Deposits	1,07,00,000	118.50
(2) Call Deposits	20,00,000	17.30

The interest earned during the year amounted to Rs. 3,79,571 and the details are as follows:—

	Rs.
(1) On Fixed Deposits	1,76,351
(2) On Call Deposits	4,060
(3) On Investment in Public Securities	1,99,160
Total	3,79,571

The average rates of interest on Call Deposits and Fixed Deposits were 4.28 per cent. and 5.08 per cent as against 4.43 per cent. and 5.51 per cent. of the preceding year respectively. The rates realised on Call Deposits ranged from 4 per cent. to 4½ per cent. while those realised on Fixed Deposits ranged from 4½ per cent. to 6.1/8 per cent. The maximum rates realised on Call Deposits and Fixed Deposits during preceding year were 4.1/2 per cent. and 6.1/8 per cent. respectively.

EXTENDED SUBURBS

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

	Amount	Average number of days
	Rs.	
(1) Fixed Deposits	19,00,000	185

The interest earned during the year amounted to Rs. 4,46,359 and the details are as follows:—

	Rs.
(1) Fixed Deposits	52,966
(2) On Investment in Public securities	3,93,393
Total	4,46,359

The average rate of interest realised on Fixed Deposits was 5.50 per cent. as against 5.12 per cent. of the preceding year. The rate realised on fixed deposits was 5½%. The maximum rate realised on fixed deposit during the preceding year was 5¾ per cent.

The average rates of interest on all deposits were 5.50 per cent. as against 5.05 per cent. in the preceding year.

RESERVE STOCK

13. The opening Balance and the receipt of General Stores during the year as per books maintained in this office were Rs. 59,49,178 and Rs. 45,39,323 respectively and the issues amounted to Rs. 49,34,849. The Closing Balance of General Stores was therefore Rs. 55,53,652, i.e., less by Rs. 3,95,526 than the Opening Balance.

As against this the outstanding balance on 31st March 1968 according to Controller of Stores is Rs. 12,26,867. The difference of Rs. 43,26,785 is due to adjustment in respect of Stores, etc., issued by the Controller of Stores to the Departments not having been returned by them to this office in time for being adjusted in the accounts of 1967-68. The Opening Balance & the receipt of General Stores of Foras Road Depot during the year as per this office book were Rs. 2,91,679 and Rs. 2,00,314 respectively and issues amounted to Rs. 1,84,471. The Closing Balance of general stores, Foras Road Depot was Rs. 3,07,522, i.e., more by Rs. 15,843.

CAPITAL STORES

14. The Opening Balance of Rs. 2,08,97,283 together with the receipts of Capital Stores during the year viz., Rs. 1,21,05,340 aggregated to Rs. 3,30,02,623. As against this the issues during the year aggregated to Rs. 22,93,903 thus resulting in decrease of Rs. 1,88,563 in the Closing Balance of Capital Stores, viz. Rs. 2,07,08,720 compared with Opening Balance. The Opening Balance and the receipts of Capital Store Foras Road Depot were Rs. 51,235 and Rs. 88,438 respectively and the issues amounted to Rs. 80,186 thus resulting in a increase of Rs. 8,252 in the Closing Balance of capitals Stores Foras Road Depot viz., Rs. 59,487 compared with Opening Balance.

Street Improvements (City)

15. The provision made in the Revised Loan Works Budget for meeting claims on account of acquisitions of set backs was Rs. 20,00,000 the expenditure being Rs. 18,93,338. This leaves a balance of Rs. 1,06,662. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1968 in regard to set backs already acquired and sanctioned to be acquired amount to Rs. 11,00,000 against which we have provision of Rs. 10,00,000 in Budget for 1968-69.

Suburbs

The provision made in the Revised Loan Works Budget for meeting the claims on account of acquisition of set backs was Rs. 15,00,000 the expenditure being Rs. 11,71,297. This leaves a balance of Rs. 3,28,703. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1968 in regard to set back already acquired and sanctioned to be acquired amount to Rs. 10,00,000 against which we have a provision of Rs. 10,00,000 in the Budget for 1968-69.

Levelling Metalling, etc., Private Streets

16. The expenditure on the Improvement of Private Streets is financed in the first instance from 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 three years :—

	Expenditure				Recoveries inclusive of Interest and Supervision charges
	Actual Expenditure of work	Supervision charges	Interest etc. Advances	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.
1965-66	32,415	32,415	...
1966-67	34,067	34,067	175
1967-68	35,762	35,762	250

Balance of supervision charges outstanding as on 31st March 1968 is Rs. 31,048.

IMPROVEMENT SCHEME

General Account

17. The total income for the year amounted to Rs. 2,00,24,795 against Rs. 2,05,28,759 for the previous year showing a net decrease of Rs. 5,03,964, viz., decrease of (1) Rs. 6,17,646 under Rent and Other Proceeds of Properties (2) Rs. 6,52,378 under Grant-in-aid from Government for meeting the deficit in General Account (3) Rs. 3,51,699 under Interest and profit on Investments counter balanced by increases of (1) Rs. 11,09,161 under Contribution from Mul. Contribution & (2) Rs. 8,598 under Miscellaneous Receipt.

Expenditure

18. The total expenditure for the year aggregated to Rs. 2,20,91,668 against Rs. 1,98,76,381 for the previous year showing an increase of Rs. 22,15,287. This is made up of increase of (1) Rs. 15,92,465 under Maintenance of Properties and Streets and (2) Rs. 6,22,822 under Debt Charges. The expenditure of Rs. 2,20,91,668 comprises of expenditure of Rs. 1,19,78,219 under Maintenance of Properties and Streets inclusive of cost of Management and Establishment and Rs. 1,01,13,449 under Debt Charges. The deficit of Rs. 20,66,873 in the General Account is transferred to Capital Account.

19. The loan liabilities at the beginning of the year stood at Rs. 15,82,36,293. A loan of Rs. 50,00,000 was raised during the year. The repayment of loan during the year amounted to Rs. 26,34,561 out of which Rs. 11,33,561 were repaid to Government on the basis of equated payment and Rs. 15,01,000 to the Debenture Holders. The outstanding loan liabilities at the close of the year thus stood at Rs. 16,06,01,732.

Out of this, the amount outstanding on account of Government Loans aggregating to Rs. 6,63,73,231 requires some explanation. All the Debentures in respect of loans aggregating to Rs. 4,76,00,000 originally raised from Government have now been repurchased according to the approved programme for Sinking Fund Investment. The liability to Government on this account is therefore only Rs. 1,87,73,231.

Capital Account

20. The Opening Balance on 1st April 1967 was Rs. 66,44,045. During the year under report receipts on account of sale proceeds of lands and buildings amounted to Rs. 4,06,352 and a loan of Rs. 50,00,000 was raised. The total funds available were thus Rs. 1,20,50,397. The total expenditure incurred amounted to Rs. 68,18,760. The deficit in the General Account for the year which amounted to Rs. 20,66,873 was transferred to the Capital Account. The unspent balance at the close of the year stood at Rs. 31,64,764.

Expenditure on Scheme

21. The actual expenditure incurred during the year on Schemes amounted to Rs. 68,18,760 as against the Revised Estimates of Rs. 1,55,28,540 including Rs. 13,62,650 on account of cost of Management and Establishment.

Sinking Fund

22. The position of the Sinking Fund is as shown below:—

Amount of Fund on 1st April 1967	Interest, etc. realisation	Sinking Fund Instalment	Withdrawn for Payment	Amount of Fund on 31st March 1968
Rs.	Rs.	Rs.	Rs.	Rs.
7,14,20,661	33,98,594	16,67,824	15,01,000	7,49,86,079

The Sinking Fund as on 31st March 1968 amounts to Rs. 7,49,86,079 of which Rs. 7,49,85,938 represent the book value of the securities and Rs. 141 in cash with the State Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par the market value of the Sinking Fund Investment held on 31st March 1968 comes to Rs. 7,52,43,741. This together with the amount of interest accrued upto 31st March 1968, viz., Rs. 1,85,755 and cash with the State Bank of India, viz., Rs. 141 brings the total amount of Sinking Fund to Rs. 7,54,29,637 against Rs. 5,97,99,246 the amount to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in the Sinking Fund Investment account is thus Rs. 1,56,30,391.

23. The gross capital liabilities of the Improvement Schemes stood at Rs. 16,29,94,783 at the close of the year and the assets at Rs. 37,90,06,550 including the book value of the Funds comprised in Schedule 'W' and 'X' resulting in a surplus of Rs. 21,36,46,329.

SLUM CLEARANCE ACCOUNT

General Account (City and Suburbs)

CITY SECTION

Income

24. The total income for the year amounted to Rs. 16,31,246 against Rs. 10,84,939 for the previous year showing a net decrease of Rs. 5,46,307. This is made of increase of Rs. 1,06,529 under Rent and other Proceeds of the properties and decrease of Rs. 4,39,778 under Interest and Profits on Investments.

Expenditure

The expenditure for the year amounted to Rs. 25,81,843 as against Rs. 19,71,257 for the previous year showing an increase of Rs. 6,10,586. This is made up of Rs. 1,59,752 under Maintenance of Properties and Streets and Rs. 4,50,834 under Debt Charges. The expenditure of Rs. 15,81,843 comprises of (1) Rs. 8,85,766 under Maintenance of Properties etc. and (2) Rs. 16,96,077 under Debt Charges. The deficit of Rs. 9,50,597 was transferred to Capital Account.

Suburban Section

INCOME

The total Income for the year amounted to Rs. 2,56,675 against Rs. 2,89,091 for the previous year showing a net decrease of Rs. 32,416, i.e., increase of Rs. 11,823 under Rent and other proceeds of proceeds counter balanced by decrease of Rs. 44,239 under Interest and Profits on Investments.

Expenditure

The expenditure for the year amounted to Rs. 11,42,060 as against Rs. 7,16,730 for the previous year showing increase of Rs. 4,25,330. This is made of Rs. 50,702 under Maintenance of Properties and Street and Rs. 3,74,628 under Debt Charges. The expenditure of Rs. 11,42,060 comprises of Rs. 1,41,455 under Maintenance of Properties etc. and Rs. 10,00,605 under Debt Charges. The net deficit of Rs. 8,85,385 was transferred to Capital Account.

SLUM CLEARANCE CITY

Capital Account

25. (1) The Opening Balance on 1st April 1967 was Rs. 55,46,533. The amount of Rs. 5,94,192 was received from Government as Loan. An amount of Rs. 8,80,939 was received from Government as Subsidy and Sale Proceeds amounted to Rs. 28,089. Thus the total funds available for expenditure were Rs. 70,49,753. The total expenditure amounted to Rs. 25,01,552. The deficit in the General Account amounting to Rs. 9,50,596 was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 35,97,605.

Sinking Fund

The position of the Sinking Fund is shown below:—

Amount of Fund 1st April 1967	Interest realisation	Sinking Fund Instalment	Withdrawn for Payment	Amount of Fund on 31st March 1968
Rs.	Rs.	Rs.	Rs.	Rs.
23,62,805	1,00,361	4,74,782	...	29,37,948

The Sinking Fund on 31st March 1968 amounts Rs. 29,37,948 of which Rs. 29,37,602 represent the book value of the Securities and Rs. 346 in cash with the State Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par, the market value of the Sinking Fund Investment held on 31st March 1968 comes to Rs. 29,38,400. This together with the amount of interest accrued upto 31st March 1968, viz., Rs. 8,298 and cash with the State Bank of India, viz., Rs. 346 brings the total amount of Sinking Fund to Rs. 29,47,044 against Rs. 28,15,289 the amount to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in Sinking Fund Investment account is thus Rs. 1,31,755.

SLUM CLEARANCE (SUBURBS)

Capital Account

(3) The Opening Balance on 1st April 1967 was Rs. 25,12,200.

In addition to this an amount of Rs. 78,864 was received as Loan from Government and sales proceeds of lands and buildings amounted to Rs. 18,506. An amount of Rs. 1,61,708 was received as subsidy from

Government. A loan of Rs. 50,00,000 was raised from Public. The total funds available for expenditure were Rs. 77,71,278. The total expenditure amounted to Rs. 29,50,840 and deficit in the General Account amounting to Rs. 8,85,385 is transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 39,35,053.

(4) The position of Sinking Fund is as follows :—

Amount of Fund on 1st April 1967	Interest realisation	Sinking Fund Instalment	Withdrawn for Payment	Amount of Fund on 31st March 1968
Rs.	Rs.	Rs.	Rs.	Rs.
5,49,223	25,184	2,40,565	...	8,14,972

The Sinking Fund as on 31st March 1968 amounts to Rs. 8,14,972 of which Rs. 8,14,570 represent the Book Value of the Securities and Rs. 402 in cash with the State Bank of India. Valuing the Bombay Municipal Debenture at par, the market value of the Sinking Fund Investment held on 31st March 1968 comes to Rs. 8,14,600. This together with the amount of interest upto 31st March 1968, viz. Rs. 526 and cash with the State Bank of India, viz., Rs. 402 brings the total amount of the Sinking Fund to Rs. 8,15,528 against Rs. 8,00,997 the amount to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in the Sinking Fund Investment account is thus Rs. 14,531.

EDUCATION FUND

26 (i) The following summarises the transactions for the year pertaining to Revenue and the Actuals for the preceding year :—

	1967-68			Actuals for 1966-67	
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.	Rs.	
Opening Balance	...	4,64,000	43,73,000	43,73,500	31,57,380
Income	...	7,62,84,950	7,89,36,770	7,76,76,705	6,36,31,595
Expenditure	...	7,33,72,126	8,13,82,837	7,66,76,426	6,02,76,412
		+29,12,824	-24,46,067	+10,00,279	+33,55,183
Balance	...	33,76,824	19,26,933	53,73,779	65,12,563
Reservation for Advances, etc., shown below	+34,01,000	+30,78,933	-21,39,063
		33,76,824	53,27,933	84,52,712	43,73,500

(ii) Details of reservation of Advances, etc., are —

	Rs.
Increase in— Miscellaneous Advances	...
	1,10,185
Deduct— Decrease in— Advances for plant and Machinery	...
Renewed Grants	...
	11,403
	31,77,715
	31,89,118
Net decrease	...
	30,78,933

(iii) The net unhyponthecated Surplus cash Balance on 31st March, 1968 was as under :—

Liability	Rs.	Assets	Rs.
Advance for Plant and Machinery	...	Surplus Revenue Funds as per	
Miscellaneous Advances	...	Appendix No. 31	...
Minimum required by law	...		95,17,125
Surplus Cash Balances	...		
	...		
	95,17,125		95,17,125

(iv) The Loan Liabilities at the beginning and at the end of the year were as under :—

Outstanding debt on 1st April 1967	Loans raised during the year	Repayment during the year	Outstanding debt on 31st March 1968
Rs. 7,28,53,500	Rs. 25,00,000	Rs. 24,43,000	Rs. 7,29,10,500

(v) The position of Sinking Fund is shown below :—

Amount of Fund on 1st April 1967	Interest, etc. realised	Sinking Fund Instalments	Total	Withdrawn for payment of Loans	Amount of Fund on 31st March 1968
Rs. 2,18,23,706	Rs. 11,23,376	Rs. 45,56,782	Rs. 2,75,03,864	Rs. 24,43,000	Rs. 2,50,60,864

The value of Securities held in Sinking Fund Account on the basis of market rates prevailing on 31st March, 1968 including accrued interest and cash exceeded the actuarial amount of the Sinking Fund by Rs. 10,81,456 which is held in the Sinking Fund Account.

INCOME

(vi) The estimated income for the year was Rs. 7,62,84,950 and the Revised Estimate was Rs. 7,89,36,770. The actuals amounted to Rs. 7,76,76,705 resulting in increase of Rs. 13,91,755 on the Budget Estimates and a decrease of Rs. 12,60,055 on the Revised Estimates. The rate of Education Cess was continued at 2½ per cent. of rateable value on buildings and lands, the rateable value of each of which is not less than Rs. 300 per annum, and 2 per cent. of the rateable value on buildings and lands, the rateable value of each of which is less than Rs. 300 per annum but not less than Rs. 75 per annum.

EXPENDITURE

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 8,61,51,890 as follows :—

	Rs.
Budget Grants	... 7,33,72,126
Unexpended Grants for previous years renewed for expenditure	... 62,17,486
Additional Grants	... 65,62,278
	<u> </u>
Final sanctioned Grants	... 8,61,51,890

The transfers from one Budget grant to another without affecting the total Budget Provision of the year amounted to Rs. 1,59,155.

(viii) Against the final grant of the year aggregating to Rs. 8,61,51,890 as stated above, the actuals amounted to Rs. 7,66,76,426 leaving an unexpended balance of Rs. 94,75,464 at the close of the year. Of this, a sum of Rs. 30,63,619 is being renewed for expenditure during 1968-69 against Rs. 62,17,486 in 1967-68 the balance viz., Rs. 64,11,845 being allowed to lapse as savings.

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund and Pension, etc., charges to the total expenditure for 1967-68 as compared with the previous year's percentage is given below :—

	Percentage to the total expenditure during	
	1967-68	1966-67
	Rs.	%
(1) Establishment	... 72.56	68.87
(2) Labour	... 7.40	7.51

LOAN FUNDS

(x) The Opening Balance on 1st April 1967 on account of Loan Funds excluding the Trust Funds was Rs. 1,03,44,950. The amount of new loan proposed in the Budget for 1967-68 was Rs. 150 lakhs. A loan of Rs. 25 lakhs was raised during the year. The total Loan Funds available for expenditure during the year thus amounted to Rs. 1,28,44,950.

The expenditure incurred on Loan Works during the year amounted to Rs. 71,82,487. The expenditure on account of Advance for purchase of furniture for new school buildings during the year was Rs. 65,237 and the amount recouped was Rs. 4,65,239. The closing balance at the end of the year was Rs. 60,62,465.

(xi) The following statement contrasts the expenditure on capital works with the Budget and the revised estimates during the last three years :—

	LOAN AND TRUST FUND			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals.		
	Rs.	Rs.	Rs.	Rs.	Rs.
1965-66 ...	2,08,30,000	1,11,64,622	59,43,164	29	53
1966-67 ...	59,99,000	1,72,38,700	34,60,982	58	20
1967-68 ...	1,87,20,000	1,73,21,500	71,82,987	38	41

The above figures do not include the amount on purchase of furniture for new school buildings.

The percentage of actual expenditure to the funds available works out to 56.

(xii) The Book Value of investments of Sinking Fund as on 31st March 1968 amounted to Rs. 2,50,60,864 made up of Rs. 2,50,60,840 in Securities and Rs. 24 in cash with the State Bank of India. Valuing the Municipal Debentures at par, the market value of the Sinking Fund investment held on 31st March, 1968 comes to Rs. 2,47,52,296. This together with the amount of interest accrued upto 31st March 1968 viz., Rs. 3,54,127 and cash with the State Bank of India of Rs. 24 brings the total amount of Sinking Fund to Rs. 2,51,06,447 and more than covers the amount of Rs. 2,40,24,991 to which the Sinking Fund should have accumulated upto 31st March 1968. The excess in Sinking Fund Account was thus Rs. 10,81,456.

(xiii) The total amount invested during the year in Call and Fixed Deposit was Rs. 2,99,00,000 and the average rate of interest on all Deposits was 5.12 per cent. as against 5.24 per cent in the preceding year.

Bombay,
23rd August 1968

V. C. PARIKH,
Chief Accountant.

APPENDICES

MUNICIPAL ACCOUNT

- No. 1.—General Financial Statistics.
- No. 2.—Statement of Surplus Revenue Fund for 1967-68.
- *No. 3.—Statements showing the Income realised during 1967-68 as compared with estimates for the year as also with the actuals for the preceding year.
- *No. 4.—Statement showing the expenditure during 1967-68 as compared with the Final sanctioned grants.
- No. 5.—Balance Sheet (Revenue) as at 31st March 1968. City, Suburbs & Extended Suburbs.
- *No. 6.—Statement of Special Funds for 1967-68.
- No. 7.—Balance Sheet (Capital Funds) as at 31st March 1968. City, Suburbs & Extended Suburbs.
- No. 8.—Block Account, Summary, (excluding details)
- *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 1968.
- *No. 10.—Statement showing the actual investment on account of the Sinking Fund of different Municipal Loans upto 31st March 1968 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 1968.
- No. 11.—Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1967 on the different loans, the amount payable for the year 1967-68, the amount paid by the State Bank of India and in office during that year and the balances outstanding on 31st March 1968. City, Suburbs & Extended Suburbs.
- *No. 12.—Water Works, Income and Expenditure Account.
- *No. 12A.—Water Works Assets and Liabilities.
- *No. 13.—Markets and Slaughter Houses, Income and Expenditure Account for 1967-68.
- *No. 14.—Municipal Printing Press, Income and Expenditure for the year 1967-68.
- *No. 14A.—Statement of Advance of Accounts for 1967-68.
- *No. 14B.—Statement of Advance Accounts out of Special Funds for 1967-68.
- *No. 14C.—Statement of Deposit Accounts for 1967-68.
- *No. 14D.—Statement of Reserve Stores Stock Accounts for 1967-68.
- *No. 14E.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1968.
- *No. 14E(1)—Statement showing details of Debt Equalisation Fund.
- No. 15.—Statement of amounts of receipts and expenditure respectively, credited and debited to the Municipal Fund during the year 1967-68 and the balance at the credit of the fund at the close of the year 1967-68 (*i. e.*, 31st March 1968). City, Suburbs & Extended Suburbs.
- *No. 16.—Comparison of Face, Purchase and Market values at 31st March 1968 of the different securities held in the Special Funds
- *No. 16A.—Comparison of Face, Purchase and Market values at 31st March 1968 of the different securities held in the Sinking Funds.
- *No. 16B.—Statements 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 1968.
- *No. 16C.—Statements showing the amount of and the object for which the endowments held under Endowments Fund were received from different parties upto 31st March 1968.
- *No. 17.—Since deleted
- *No. 18.—Statement of the Income of the Bombay Municipality from 1960-61 to the close of the financial year 1967-68.
- *No. 19.—Statement of the Expenditure of the Bombay Municipality from 1960-61 to the close of the financial year 1967-68.
- *No. 20.—Contrasted statement of Income and Expenditure from the year 1960-61 to the financial year 1967-68.

IMPROVEMENT SCHEMES ACCOUNT

- *No. 21.—General Financial Statistics.
- No. 22.—General Account for the year 1967-68.
- No. 22A.—Slum Clearance Account City (General Account).
- No. 22B.—Slum Clearance Account Suburban (General Account).
- *No. 23.—General Account for 1967-68—Details of Income.
- *No. 23A.—General Account Slum Clearance (City) for 1967-68 details of Income
- *No. 23B.—General Account Slum Clearance (Sub.) for 1967-68 details of Income.
- *No. 24.—General Account for 1967-68—Details of Expenditure.
- *No. 24A.—General Account Slum Clearance (City) for 1967-68 details of Expenditure.
- *No. 24B.—General Account Slum Clearance (City) for 1967-68 details of Expenditure.
- No. 25.—Balance sheet (Capital Account) as at 31st March 1968.
- No. 25A.—Balance sheet Slum Clearance City.
- No. 25B.—Balance sheet Slum Clearance Suburbs.
- No. 26.—Block Account showing Capital Expenditure upto 31st March 1968.
- No. 26A.—Block Account showing Capital Expenditure upto 31st March 1968—for Slum Clearance City.
- No. 26B.—Block Account showing Capital Expenditure upto 31st March 1968 for Slum Clearance Suburbs & Extended Suburbs.
- *No. 27.—Statement showing scheduled land 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 31st March 1968.
- *No. 28A.—Statement showing actual investments on account of Sinking Fund for Slum Clearance upto 31st March 1968 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 1968.
- *No. 28-B.—Slum Clearance (Suburb) Sinking funds as on 31-3-1968.
- No. 29.—Statement showing outstanding loans of the Bombay Improvement Trust due by the Municipality, the interest outstanding on 1st April 1967 on the different loans, the amount payable for the year 1967-68, the amount paid during the year and the balances outstanding on 31st March 1968.
- No. 29A.—Statement showing outstanding loan of the Slum Clearance Scheme (City) Budget 'B' etc.
- *No. 30.—Comparison of Face, Purchase and Market values at 31st March 1968 of the different securities held in the Sinking Fund.
- *No. 30A.—Comparison of Face, Purchase and Market values at 31st March 1968 of the different securities held in the Slum Clearance.

EDUCATION FUND

- No. 31.—Revenue Account for the year ended 31st March 1968.
- *No. 32.—Statement showing Net Receipts during the year 1967-68 from all sources as contrasted with the original and Revised Budget Estimates.
- *No. 33.—Statement showing actuals Expenditure as compared with the final sanctioned grants for 1967-68.
- No. 34.—Revenue Account Balance Sheet as at 31st March 1968.
- No. 35.—Capital Fund Balance Sheet as at 31st March 1968.
- *No. 36.—Block Account showing details of Capital Expenditure upto 31st March 1968.
- No. 37.—Statement showing outstanding loan due by the Municipality, the interest outstanding on 1st April 1965 on different loans, the amount payable for the year 1967-68 the amount paid by the State Bank of India and in office during that year and the balances outstanding on 31st March 1968.
- *No. 38.—Statement showing the actual investment on account of the sinking Fund of different Education Loans upto 31st March 1968 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 1968.
- *No. 39.—Statement of Advances for 1967-68.
- *No. 39A.—Statement of Deposit Accounts for 1967-68.
- *No. 39B.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1968.
- No. 40.—Statement showing the amounts of receipts and Expenditure respectively credited and debited on the Education Fund during the year 1967-68 and the balance at the credit of the fund at the close of the year 1967-68. (*i. e.* 31st March 1968).
- *No. 41.—Comparison of Face, Purchase and Market values at 31st March 1968 of the different securities held in the Sinking Fund.
- *No. 41A.—Statements showing the amount of and object for which the endowments held under the Endowment Fund were received from different parties upto 31st March 1968.

* These Appendices will be found in the Departmental copies of Annual Accounts for the year 1967-68.

APPENDIX No. 1

General Financial Statistics

—	1963-64.	1964-65.	1965-66.	1966-67	1967-68.
<i>General.</i>					
1. Area of the Greater Bombay (acres)	1,08,159	1,08,315	1,08,787	1,08,787	1,08,787
2. Population ...	* 41,52,056	*41,52,056	*41,52,056	* 41,52,056	* 41,52,056
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	47,57,60,641	50,02,90,389	52,26,84,909	58,80,67,789	63,50,99,063
4. Rateable value per head of population.	Rs. 114-58	Rs. 120-49	Rs. 125-89	Rs. 141-63	Rs. 152-96
5. Properties registered in the Assessment Book	1,39,936	1,57,725	1,67,901	1,78,993	1,86,378
<i>Income.</i>					
	Rs. at 24 per cent.	Rs. at 24 per cent.	Rs. at 24 per cent.	Rs. at 24 per cent.	Rs. at 24 per cent.
6. General Tax ...	9,05,32,119	9,73,74,201	10,40,38,719	11,79,91,593	12,60,48,283
7. Income from other sources ...	14,59,65,778	15,04,89,226	20,79,62,432	25,40,72,497	25,26,31,321
Total Income Rs.	23,64,97,897	24,78,63,427	31,20,01,151	37,20,64,090	37,86,79,604
8. Incidence of Taxation per head ...	Rs. 46-40	Rs. 48-75	Rs. 64-45	Rs. 78.03	Rs. 79-10
<i>Loans.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	64,55,24,951	63,54,56,252	69,92,24,580	77,24,66,728	87,55,20,530
10. Redemption and Sinking Funds in hand or invested ...	21,52,60,191	19,92,50,877	22,32,25,488	22,85,97,049	23,52,45,783
11. Net Loan Debt ...	43,02,64,760	43,62,05,375	47,59,99,092	54,38,69,679	64,02,74,747
12. Net Debt per head of population ...	Rs. 103-63	Rs. 105-50	Rs. 114-64	Rs. 130.99	Rs. 154-21
<i>Expenditure.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Water Works—Maintenance ...	2,14,69,723	2,06,24,250	2,35,39,588	2,63,52,239	3,16,90,158
Debt Charges ...	3,78,48,333	3,29,49,026	3,70,00,082	3,69,57,715	3,41,44,138
14. Primary Education ...	2,63,29,030	2,87,59,244	3,27,03,880	4,60,40,770	5,90,03,780
15. Medical Relief ...	2,45,27,915	2,76,06,757	3,68,85,325	4,11,36,568	5,06,66,261
16. Other City services ...	9,42,07,553	9,70,73,137	12,78,74,357	14,65,74,688	16,50,98,200
17. Debt Charges—excluding Water Works...	3,03,40,534	3,09,06,569	3,38,28,556	3,06,14,605	4,07,10,180
Total Expenditure Rs. ...	23,47,23,088	23,79,18,983	29,18,21,788	32,76,76,585	38,13,12,717

* As per Census 1961

APPENDIX No. 2

Revenue Account for the year ended 31st March 1968.

Particulars		Total		Particulars		Total	
		Rs.	P.			Rs.	P.
To Revenue Expenditure	...	38,13,12,716	96	By Revenue Receipts	...	37,86,79,603	74
	...			By Deficit for the year 1966-67	...	26,33,113	22
		38,13,12,716	96			38,13,12,716	96
To Contribution towards Improvement Schemes during 1968-69	...	1,00,45,900	00	By Surplus Revenue Fund as at 1st April 1967	...	12,18,16,200	35
To Revenue Expenditure to be incurred in 1968-69 and provided for as renewed grants	...	5,30,81,840	00				
		6,31,27,740	00	.. Contribution towards Improvement Schemes during 1967-68	...	93,46,380	00
To Deficit for the year 1967-68	...	26,33,113	22	.. Revenue of previous years reserved for the year 1967-68	...	4,46,61,140	00
To Balance being Surplus Revenue Fund as at 31st March 1967 as per Appendix No. 5 of Div. I, II, III (Combined)	...	11,03,62,867	13			5,43,07,520	00
		17,61,23,720	35			17,61,23,720	35

Appendix No. 5
(CITY)

Revenue Account Balance Sheet as at 30th March 1968.

LIABILITIES.		Rs.	P.	ASSETS.		Rs.	P.
Debts—				Cash at Bank ... 2,52,07,233 20			
Due on Cash Bills Outstanding Account ... 1,43,569 43				Cash in Office ... 2,33,93,993 39			
.. Cheques payable ... 50,84,810 27				Municipal Loans—Interest warrants Payable Account ... 1,43,401 73			
.. Stores purchased, Outstanding Accounts ... 10,25,275 79				B. I. Trust Loans—Interest warrants Payable Account ... 7,432 95			
.. Outstanding Charges for 1967-68 and previous years ... 3,50,81,840 10				Interest on B. I. Trust Loans Payable Account ... 29,194 96			
.. Outstanding Charges on account of Interest accrued but not paid (Vide details shown in Appendix No. 14-E) ... 43,82,283 44				Interest Receivable Account ... 12,87,310 00			
.. Debt charges Equalization Fund [Vide Appendix 14E (I)] ...				5,00,69,470 23			
Improvement Schemes—				Debts—			
Contribution falling due in 1968-69 ... 70,65,830 00				Due for Stores sold ... 64,30,477 03			
Deposits in Cash and Public Securities from Contracts and private parties (Vide details shown in Appendix No. 14-C) ... 10,54,93,288 42				Do. Foras Road Depot ... 1,00,6 55			
15,82,76,897 35				64,41,513 58			
Public Monuments Maintenance Fund (vide details shown in Appendix No. 16-B) ... 1,31,815 74				Stock—(Vide Appendix No. 14-D)			
Endowments Fund (vide details shown in Appendix No. 16-C) ... 13,19,531 74				Stock (Reserve Stores) ... 55,53,316 42			
14,51,347 48				St ck (Re-erve Stores) Foras Road Depot ... 3,07,522 15			
Stock Account—				Line Suspense Account ... 87,471 45			
Capital Purchases Account ... Dr. 13,18,929 77				Surplus & absolute Stores ... 6,448 32			
Stock Adjustment Account ... 747 07				59,51,758 34			
Dr. 13,18,182 70				Capital Stores—			
Special Funds as at 30th March 1968—				Stock ... 47,76,139 54			
Municipal Fire and Accident Insurance Fund ... 22,08,882 10				Stock (Foras Road Depot.) ... 17,917 23			
Net Premia Fund ... 45,71,430 44				Plant and Machinery Purchased out of S.C.B. ... 23,51,189 96			
Provident Fund ... 17,14,78,048 92				Amount with D.A. (Subs.) Div. II ... 1,67,02,330 62			
Fines Fund ...				Div. III ... 73,20,030 18			
Plant and Machinery Depreciation Fund ... 32,92,738 17				2,40,22,350 80			
Hospital Fund ... 20,40,854 32				Amount advanced to BEST Undertaking ... 1,00,0,000 00			
K. E. M. Hospital and G. S. M. College Equipment Fund ... 1,80,971 04				Advances, Recoverable—(Vide Appendix No. 14-A) ... 7,42,74,914 78			
G. S. M. College and K. E. M. Hospital Research Fund ... 1,68,274 25				Deposits in G. P. notes with Central Rly. and with D. G. S. New Delhi ... 5,89,750 00			
Fidelity Guarantee Insurance Fund ... 3,61,323 50				Advances out of Special Funds—(Vide Appendix No. 14-B)			
Motor Vehicles Third Party Insurance Fund ... 13,68,071 03				Advances from Plant and Machinery Depreciation Fund for Levelling, Metalling etc., Private Streets ... 7,50,750 30			
Welfare Fund ...				Amount advanced from Net Premia Fund for the purchase of Plant and Machinery for the Municipal Printing Press ... 17,731 60			
Land (Reclamation and Acquisition) Fund ... 77,34,443 29				Advances for meeting Capital Expenditure from:—			
Pension Fund ... 5,17,72,588 35				Municipal Fire and Accident Insurance Fund ... 10,52,391 98			
Gratuities Fund ... 58,39,369 69				Plant and Machinery Depreciation Fund ... 11,53,765 33			
25,10,16,995 10				Net Premia Fund ... 14,26,774 22			
Reserve Purchase Foras Road ... 1,789 50				K. E. M. Hospital & G.S.M. College Research Fund ... 7,828 10			
				Hospital Fund ... 5,65,722 16			
				Land (R & A) Fund ... 22,96,676 61			
				G.S.M. College and K.E.M. Hosp. Equipment Fund ... 33,851 75			
				73,05,492 05			
				Deposits in Public Securities—			
				With the State Bank of India ... 39,89,458 57			
				In Office ... 9,26,590 00			
				49,16,048 57			
Carried Forward ... 40,94,28,846 73				Carried Forward ... 19,07,26,585 08			

Appendix No. 5—(Concl.)
(CITY)

LIABILITIES	Ra.	P.	ASSETS.			Ra.	P.
Brought forward ...	40,94,28,846	73	Brought forward ...			19,07,26,585	08
Surplus Revenue Fund as per Appendix No. 2 ...	15,67,94,644	07	Investments—	In Securities.	Deposits in Cash, Call, Fixed & Current A/c.		
			Municipal Fire and Accident Insurance Fund ...	Ra. P.	Ra. P.		
			Net Premia, etc., on different Municipal Loans ...	11,56,300 00	190 12	11,56,490	12
			Provident Fund ...	31,26,588 00	336 62	31,26,924	62
			Plant and Machinery Depreciation Fund ...	17,14,77,732 36	316 56	17,14,78,048	92
			Hospital Fund ...	13,87,924 00	298 54	13,88,222	54
			K.E.M. Hospital and G.S.M. College Equipment Fund.	14,75,000 00	132 16	14,75,132	16
			G.S.M. College and K.E.M. Hospital Research Fund	1,46,900 00	219 29	1,47,119	29
			Fidelity Guarantee Insurance Fund ...	1,60,000 00	446 15	1,60,446	15
			Land (Reclamation & Acquisition) Fund ...	3,61,200 00	123 50	3,61,323	50
			Motor Vehicles (Third party) Insurance Fund ...	54,37,552 00	214 68	54,37,766	68
			Pension Fund ...	12,67,900 00	1,00,171 03	13,68,071	03
			Gratuities Fund ...	5,17,72,407 38	180 97	5,17,72,588	35
				58,39,100 00	269 69	58,39,369	69
				24,36,08,603 74	1,02,899 31	24,37,11,503	05
			Investment of Surplus moneys in Public Securities.				
			3% Conversion Loan 1946†**	37,514 57	...	37,514	57
			Public Monuments Maintenance Fund (Vide Appendix No. 16-B) ...	1,31,723 74	92 00	1,31,815	74
			Endowments Fund (Vide Appendix No. 16-C) ...	13,19,340 31	191 43	13,19,531	74
			Surplus Fund—In Securities,—	Face Value.	Book Value.		
			3 % G. P. Notes ...	900 00	432 00		
			4½% Andhra Loan 1974 ...	1,10,000 00	1,07,965 00		
			4½% B.M.D. Slum Sub. 62-63...	17,79,200 00	17,79,200 00		
			5 % B. M. Debentures ...	8,24,25,300 00	8,24,25,300 00		
			4½% Do. ...	89,79,400 00	89,79,400 00		
			4 % Do. ...	18,20,600 00	18,20,600 00		
			4 % Do. ...	23,04,400 00	22,92,878 00		
			3½% Do. ...	1,000 00	995 00		
			3½% Do. ...	1,19,78,500 00	1,19,78,500 00		
				10,93,99,300 00	10,93,85,270 00		
			In fixed, call, & current deposit and in cash	...	2,09,11,270 62	13,02,96,540	62
Total ...	56,62,23,490	80	Total ...	...	...	56,62,23,490	80

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

† In respect of permanent deposits from lessees.

** Face Value of the securities is Rs. 40,400.

APPENDIX No. 5
Suburbs.

Revenue Accounts Balance sheet as at 31st March 1968

LIABILITIES.	Rs. P.	ASSETS.	Rs. P.
Debts—		Cash at Bank	— 34,04,995 89
Due on Cash Bills Outstanding Account	68,853.17	Cash in Office	72,88,526 90
Due on Cheques payable	54,96,858.53	Current Account with the State Bank of India, Bombay for payment of interest on Suburban Loans	38,83,531 01
Due on Outstanding Charges for 1967-68 and previous year (vide Appendix No. 4)	1,25,00,000.00	Bombay Municipal Corporation Loans Interest Warrant-payable Account	2,66,814 98
Due on Outstanding Charges on account of interest accrued but not paid (vide details shown in Appendix No. 14)	14,69,395.78		2,804 25
Deposits in cash and public securities from contractors and private parties (vide details shown in Appendix No. 13)	2,69,57,121.67	With State Bank of India Bombay for Re-payment of Suburban Loans	41,53,150 24
	3,83,80,146.36	Plant and Machinery	54,000 00
Advance received from other Divisions	1,59,64,580.33	Balance on 1-4-1967	25,141.82
		Less—Amount recouped	25,141 82
Public Monuments Maintenance Fund (vide details shown in Appendix No. 16B)	16,317.94		
Special Funds as at 31st March 1967—		In Securities. In Cash.	
Water Mains Depreciation Fund	81,233.66	Public Monuments Maintenance Fund (vide Appendix No. 16B)	16,300.00 17.94
Hospital Fund	1,41,691.87	Advance to Loan Fund	83,15,709 68
Secondary Schools Committee Gymnasium Fund	5,526.40	Advances Recoverable (vide Appendix No. 12)—	
	2,28,451.93	Municipal Officers	1,79,561 00
Contribution to Budget 'B' for 1968-69	22,53,300.00	Departmental Works	20,72,010 41
		Private Works	9,43,249 07
		Sundries, Misc. Advances	37,91,768 56
		Advances for Improvement of Private Streets	1,73,357 66
		Purchase of Petrol and Diesel Oil	1,95,035 34
		Municipal Contractors	24 19
		Demolition of Sheds	91,467 22
		Mechanical Transport	12,77,365 75
		Reinstatement of Trenches	36,793 78
			17,60,632 98
		Deposit in Public Securities—	
		With the State Bank of India	9,32,090 00
		With the Reserve Bank of India, Bombay	300 12
		In Office	1,28,400 00
			10,60,790 12
		Investments	
		Rs. Rs.	
		Special Funds	
		Water Mains Depreciation Fund	81,233 66
		Hospital Fund	1,41,691 87
		Secondary Schools Committee Gymnasium Fund	5,526 40
			2,28,326.20 125.73
			2,28,451 93
		Surplus Fund—	
		Face Value. Cost	
		6% Municipal Internal Loan 1957-68 Debentures	39,96,900 39,96,900.00
		4½% Municipal Debentures 1954-65 (Internal Loan)	32,600 32,600.00
		6% Municipal Debentures 1965-67 (Internal)	2,14,500 2,14,500.00
			42,44,000 42,44,000.00
		In Cash and Fixed, Deposits	1,923.20
			42,44,000 00
		Deficit in Revenue Funds.	3,78,94,761 44
			1,923 20
Total	6,49,54,879.35		6,49,54,879 35

† For Face Purchase and Market Value of each kind of Securities held in the Special Funds please see Appendix No. 16

APPENDIX No. 5

(EXTENDED SUBURBS)

Revenue Account Balance Sheet as at 31st March 1968.

LIABILITIES	Rs.	ASSETS	Rs.
Debts—		Cash at Bank	13,01,799.38
Due on Cash Bills Outstanding Account ...	27,553.62	Cash in Office	15,00,654.51
Due on Cheques payable ...	23,39,187.00	Current Account with the State Bank of India, Bombay for payment of interest on Extended Suburbs Loans ...	1,98,855.13
Due on Outstanding Charges for 1967-68 and previous years (Appendix No. 4) ...	55,00,000.00	Bombay Municipal Corporation Loans Interest Warrants payable account ...	33,285.39
Due on Outstanding Charges on account of interest accrued but not paid (Appendix No. 14) ...	3,30,384.74	Amount spent for Loan works (Vide Appendix No. 7)	6,256.50
Deposits in cash and public securities from contractors and private parties (Appendix No. 13) ...	1,04,28,926.68	Advances Recoverable—	2,38,397.02
Special Funds as at 31st March 1968—		Reinstatement of Trenches Municipal Officers ...	1,063.02
Hospital Fund ...	94,500.00	Departmental Work ...	38,531.32
Contribution to Budget 'B' ...	7,26,770.00	Private Works ...	3,93,360.53
Amount transferred from Div. I ...	73,20,030.18	Sundries, Misc. Advances ...	3,74,592.17
			16,55,442.90
			24,62,989.94
		Deposit in Public Securities—	
		In Office	4,69,250.00
		Investments	
		Rs.	Rs.
		†Special Funds	
		Hospital Fund ...	94,500.00
		Surplus Fund—	
		Face Value.	Cost.
		6% Bom. Municipal Debentures 1967-68	20,00,000
		Post Office National Savings Certificates	60,000
		5½% Maharashtra State Development Loan 1977	5,00,000
		6% Bom. Mun. Budget 'A'	15,24,800
		Div. III Internal Loan 1965-66	15,24,800
		6% Bom. Mun. Budget 'A'	26,95,200
		Div. III Internal Loan 19.6.67	26,95,200
			68,07,000.00
		In Cash, Fixed Deposits etc.	15,00,355.61
		Deficit in Revenue Funds	85,37,015.50
Total ...	2,67,67,352.22	Total ...	2,67,67,352.22

APPENDIX No. 6.

HOSPITAL FUND

	Dr.		Cr.	
	Rs.	Pes.	Rs.	Pes.
Balance on 1st April 1967 ...			94,500.00	
Balance on 31st March 1968 as per Balance Sheet, Appendix No. 5 ...	94,500.00			
Total ...	94,500.00		94,500.00	

† Fore Face, Purchase and Market Value of each kind of Securities held in the Spl. Funds please see Appendix No. 17

APPENDIX No. 7.
(CITY)

Capital Fund Balance Sheet as at 31st March 1968

LIABILITIES.	Ra. P.		ASSETS.		Ra. P.	
Loans Outstanding :-						
Due to Government (Vide details as shown in Appendix No. (11))	...	3,96,71,320.01	Block Account :-			
Due to Public— (Vide details as shown in Appendix No. (11))	...	65,70,09,500.00	Loan Funds—			
Advances from Special Funds— (Vide details as shown in Appendix No. (11))	...	65,37,010.11	Property and Assets at original cost per Appendix No. 8	Re P 1,09,30,66,835 11		
		<u>70,32,17,830.12</u>				
Trust Fund Account—	Ra. P		Deduct— Subventions granted for the conversions of privies into water closets, shown below	14,43,163 44		
Donation from Mr. D. M. Bahadurji	3 69			<u>1,09,16,23,671 67</u>		
Donation from Sheth Shantilal M. Parikh for the establishment of Blood Bank	11,709 99					
Donation from— The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the construction of Orchard, House at Victoria Garden	1,694 50		Add— Subventions granted for the conversion of privies into water closets Rs. 22,97,055.00			
Donation from— The Chairman of Trustees of the Lotus Trust for the construction of electric crematorium at Chandanwadi	71 62					
Donation from— The Managing Trustee of Shri Ramkumar Charitable 'X' Ray Institute Trust for Conversion of Ward Stables into an Isolation Hospital for 80 Beds for T. B. Patients, etc.	51,001 00		Deduct— Expenditure written off	Ra. 8,53,891.56	14,43,163 44	1,07,30,66,835 11
Donation from— Reserve Bank of India for construction of a ward 38/40 beds for accommodating their Sick employees in K. E. M. Hospital	48,417 39					
Donation from— The Trustees of Shri Anant Nathaji Maharaj Jain Temple towards the cost of construction of a new public convenience,	1 25		Trust Fund—			
Donation from— Dr. G. V. Deshmukh for providing additional 50 Surgical Beds for women in the M.G. H. Sion...	250 00		Expenditure as per Appendix No. 8		71,55,206 56	
Amount received from Government of Bombay for the work of construction of Sub-way near church Gate Station	00 38		Worn out Water Mains Renewal Fund—			
Amount received from the Poor Box Charity Fund for Convalescent Home at K. E. M. Hospital	1,43,267 31		Expenditure as per Appendix No. 8		5,64,525 91	
Amount received from the President, T.N.M. College Pavilion Fund and Smt. Desai Shri M.M. Amersay for construction of Pavilion at T.N.M. College	38,660 42		Municipal Land and Buildings Fund—			
Amount received from the Governor's Hospital Fund for extension of Orthopaedic Theatre at K. E. M. Hospital	2,20,268 96		Land purchased and Buildings erected as per Appendix No. 8		43,03,043 42	
Amount received from Rockefeller Foundation Trust, for the work of construction of additional floors over the Registration Block and outpatients department, etc. at K. E. M. Hospital	2,25,270 20		Temporary advance to Development Fund		31,77,390 37	
Open Air Theatre at Victoria Garden	25,000 00		Investments—			
Amount received from the Parsee Central Association Co-operative Housing Society Ltd., for construction of 1100 additional stones at Mahalaxmi Dhobiwada	861 63		Sinking Fund—			
Amount received from Central Government for Isolation Hospital	1,25,000 00		As per Appendix No. 10	(a)	18,12,66,876 28	
Amount received from Messrs. J. J. Kapadia and Co Ld., for construction of a new Building for T. N. M. College in Mural Painting for)	65 62		Loan and Trust Funds—			
Amount received from Phiroze Bharucha Memorial Fund for the establishment of Thoracic and Cardiac Institute	55,959 29		Amount reserved for capital stores		1,59,87,923 49	
Amount received from late Shri Mohamed Haji Sabu Siddik for the work of construction of an additional floor over the existing Maternity Home at Cadell Road	34,872 71		In Securities	Face Value 1,23,90,400	Book Value 1,23,90,400	
		9,82,375 96	In cash and fixed deposits	69,23,464 05		1,93,13,864 05
Carried over	...	70,42,00,206 08				1,32,52,35,665 59

(a) For Face, Purchase and Market Values of Securities held in the Sinking Funds, please see Appendix No. 16A—
z The amount represents the balance on account of Trust Funds and Loan Funds.

APPENDIX No. 7—(Concl'd.)
(CITY)

LIABILITIES.		Rs.	ASSETS.		Rs.
Surplus—	Brought over ...	70,42,10,206.08		Brought over ...	1,32,52,35,665.59
CAPITAL ASSETS AT ORIGINAL COST OVER LIABILITIES:—					
Banking Fund on Loans	...	18,12,66,876.28			
Loans Redemption Fund	...	43,44,89,950.41			
Reserve on Loans	...	3,20,848.74			
Contributions from Special Funds	...	8,03,171.02			
Do. Revenue for Loan Works Establishment	...	17,869.98			
Do. G. I. P. Railway	...	3,74,000.00			
Do. Port Trust	...	1,56,500.00			
Do. Government for Schools	...	5,00,000.00			
Do. Government for widening the Love Grove Bridge	...	91,234.00			
Do. Worn-out Water Mains Renewal Fund	...	9,64,525.91			
Do. Land and Buildings Fund	...	74,80,433.79			
Do. Development Fund	...	1,34,32,075.48			
Do. Revenue towards Bai Jerbai Wadia Hospital for Children	...	7,00,000.00			
Do. Trust Fund	...	71,55,216.96			
Do. Trustees Gokuldas Tejpal Charities	...	18,123.64			
Grant in aid from Government for widening the Road in Colaba division		12,975.87			
		64,77,83,792.03			
Deduct—					
Assets written off—					
Amount as on 31st March 1967	Rs. 2,46,32,906.42				
Additions during the year 1967-68.	.. 21,15,426.15				
		2,67,48,332.57			
		62,10,35,459.51			
Grand Total	...	1,32,52,35,665.59		Grand Total	1,32,52,35,665.59

APPENDIX No. 7
(Suburbs)
Capital Fund Balance Sheet as at 31st March 1968

LIABILITIES.		ASSETS.			
	Rs.	P.		Rs.	P.
Loans Outstanding—			Block Account—		
Due to Government—					
Due to Public— 13,16,02,700.00	13,16,02,700	00	Loan funds—		
(<i>Vide details as shown in Appendix No. 11).</i> ...			Property and Assets at original cost as per Appendix No. 8	17,15,18,422	72
Trust Fund Account—					
Donation for School Building at—			Trust Fund—		
New Mandala ... Rs. P.			Expenditure as per Appendix No. 8	3,32,695	69
Extension to School at Madh ... 682 56					
		694 31	Sinking Fund—		
Surplus—			As per Appendix No. 10	4,51,28,810	42
Advance from Surplus Money 85,15,709 68					
Capital Assets at original cost over Liabilities—					
Sinking Fund on Loans 4,51,28,810 42					
Loan Redemption Fund 2,20,64,283 48					
Contribution from Trust Fund 3,75,215 69					
Contribution from Govern- ment ... 89,92,515 25					
Contribution from Budget A Div. I ... 3,00,000 00					
		8,53,76,534 52			
Grand Total ...	21,69,79,928	83	Grand Total ...	21,69,79,928	83

† For face Purchase and Market values of securities held in the Sinking Funds, please see appendix No. 16A.

APPENDIX No. 7.

(EXTENDED SUBURBS)

Capital Fund Balance Sheet as at 31st March 1968.

LIABILITIES.		Assets.	
	Rs. P.		Rs. P.
Loans Outstanding— Due to Government ...	...	Block Account— Loan Funds— Property and Assets at original cost ...	5,08,57,844.15
Due to Public (Appendix No. 11) ...	4,07,00,000.00	Sinking Fund— ...	88,50,096.17
Surplus— Capital Assets at original cost over Liabilities Sinking Fund on Loan 88,50,096.17 (Appendix No. 10)			
Amount taken from Surplus Monies 66,57,844.15 (Vide appendix No. 5). Contribution from Government ... 35,00,000.00			
	1,90,07,940.32		
Total ...	5,97,07,940.32	Total ...	5,97,07,940.32

APPENDIX No. 8

(EXTENDED SUBURBS)

SUMMARY

	Total Capital Expenditure upto 31st March 1967		Expenditure during 1967-68	Total Capital Expenditure upto 31st March 1968.	
	Rs.	P.		Rs.	P.
Loan Funds.					
I.—General Supervision, Collection of Revenue, etc. ...	9,69,280.07		2,28,922.87		11,98,202.94
II.—Water Works ...	1,35,24,542.18		7,62,011.28		1,42,86,553.46
V.—Public Health Department ...	2,23,823.82		1,63,528.23		3,87,352.05
VI.—Medical Relief and Education ...	19,96,124.26		13,79,936.07		33,76,060.33
VII.—Street Cleansing and Conservancy Road Watering ...	36,70,837.24		41,64,139.33		78,34,976.57
VIII.—Roads, S. W. Drains and Public Lighting ...	1,02,78,216.88		85,52,387.41		1,88,30,604.29
IX.—Mechanical ...	17,075.00		...		17,075.00
X.—Buildings, Land Acquisition and Management ...	6,81,058.89		7,79,203.89		14,60,262.78
XI.—Fire Brigade ...	1,16,170.18		...		1,16,170.18
XIII.—Gardens and Open Spaces ...	6,43,701.54		17,446.39		6,61,147.93
XIV.—Markets and Slaughter Houses ...	14,46,627.08		1,83,670.23		16,30,297.31
XV.—Village Amenities ...	6,21,421.57		1,45,004.53		7,66,426.10
Plant and Machinery ...	2,97,492.17		Cr. 49,999.46		2,47,492.71
Discount and other charges on Loans ...	45,222.50		...		45,222.50
Grand Total ...	3,45,31,593.38		1,63,26,250.77		5,08,57,844.15

APPENDIX No. 8.
(CITY)
SUMMARY

	Capital Expenditure upto 31st March 1967.	Expenditure During 1967-68.	Total Capital Expenditure upto 31st March 1968.
		Out of Loan Funds.	
	Rs.	Rs.	Rs.
(1) Loan Funds			
I.—General supervision, Collec- tion of Revenue, etc. ...	1,18,92,444	24,49,890	1,43,42,334
II.—Water Works ...	55,43,39,443	8,71,13,681	64,14,53,124
III.—Education, Primary ...	27,98,012	...	27,98,012
IV.—Education, Secondary ...	20,704	...	20,704
V.—Public Health Department ...	1,31,73,985	5,57,233	1,37,31,218
VI.—Medical Relief and Education.	4,88,40,444	80,62,029	5,69,02,473
VII.—Street, Cleansing and Conser- vancy Road Watering and Halalkhore Service ...	5,68,11,071	17,49,973	5,85,61,044
VIII.—Roads, Drains and Sewers ...	15,47,30,865	67,59,940	16,14,90,805
IX.—Mechanical ...	37,11,598	...	37,11,598
X.—Buildings, Land Acquisition and Management ...	7,27,12,264	59,68,896	7,86,81,160
XI.—Fire Brigade ...	30,74,732	5,820	30,80,552
XIII.—Gardens and Open Spaces ...	1,02,25,633	5,61,584	1,07,87,217
XIV.—Markets and Slaughter Houses	1,51,62,403	51,45,247	2,03,07,650
XV.—Slum Service ...	38,91,899	6,91,367	45,83,266
XVI.—Measures for Civil Defence...	1,87,149	...	1,87,149
XVII.—Greater Bombay ...	2,81,068	...	2,81,068
XVIII.—Industrial Estates ...	86,13,578	3,43,103	89,56,681
Discount and other charges on Loans	66,33,952	...	66,33,952
Plant and Machinery ...	67,39,542	Cr. 1,82,714	65,56,828
(1) Loan Funds—Total.	97,38,40,786	11,92,26,049	1,09,30,66,835
(2) Trust Fund			
Works executed ...	71,55,207	...	71,55,207
(3) Worn out Water Mains Renewal Fund			
Works executed ...	9,64,526	...	9,64,526
(4) Land and Buildings Fund			
Lands purchased and buildings erected ...	43,03,044	...	43,03,044
Grand Total.	98,62,63,563	11,92,26,049	1,10,54,89,612

APPENDIX No. 8

(Suburbs)

SUMMARY

	Total Capital expenditure upto 31st March 1967.	Expenditure during 1967-68.	Total Capital expenditure upto 31st March 1968.
	Rs.	Rs.	Rs.
(1) Loan Funds.			
I.—General Supervision, Collection of Revenue, etc. ...	15,68,047.98	81,033.67	16,49,081.65
II.—Water Works ...	2,83,91,014.59	24,26,842.64	3,08,17,857.23
III.—Education Primary ...	1,24,023.59	...	1,24,023.59
IV.—Education Secondary ...	66,213.34	826.86	67,040.20
V.—Public Health Department ...	3,41,841.51	1,24,032.34	4,65,873.85
VI.—Medical Relief and Education ...	50,02,637.00	25,51,359.44	75,53,996.44
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service ...	3,92,97,643.52	15,10,229.53	4,08,07,873.05
VIII.—Roads, S. W. Drains and Public Lighting ...	5,29,02,166.06	1,46,52,017.60	6,75,54,183.66
IX.—Mechanical ...	50,501.36	...	50,501.36
X.—Buildings, Land Acquisition and Management ...	88,67,079.52	13,99,420.74	1,02,66,500.26
XI.—Fire Brigade ...	14,47,846.90	...	14,47,846.90
XIII.—Gardens and Open Spaces ...	19,86,930.41	70,922.63	20,57,853.04
XIV.—Markets and Slaughter Houses ...	21,49,315.87	1,36,051.98	22,85,367.85
XV.—Village Amenities ...	34,08,893.34	2,66,129.32	36,75,022.66
Plant and Machinery ...	18,07,052.01	65,130.50	18,72,182.51
Discount and other charges on Loans ...	8,23,218.47	...	8,23,218.47
(1) Loan Funds—Total ...	14,82,34,425.47	2,32,83,997.25	17,15,18,422.72
(2) Trust Fund			
Works Executed ...	4,50,330.69	Cr. 1,17,635.00	3,32,695.69
Grand Total ...	14,86,84,756.16	2,31,66,362.25	17,18,51,118.41

Statement showing Outstanding Loans due by the Municipal Corporation the interest outstanding on 1st State Bank of India, and in Office during that year

Serial No.	Particulars of Loans.	Rate of Interest per Annum	Balance due on 1st April 1967.		Amount raised in 1967-68.		Total.		Amount re-paid in 1967-68	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
	Loans raised from Government.									
1	100 Lacs Loan (1953-54)	4½ per cent.	60,78,856	86	E	60,78,856	86	3,98,793	58	
2	100 Lacs Loan (1953-54)	4½ per cent.	60,78,856	86	E	60,78,856	85	3,98,793	58	
3	100 Lacs Loan (1954-55)	4½ per cent.	64,61,392	62	E	64,61,392	62	3,82,535	81	
4	100 Lacs Loan (1954-55)	4½ per cent.	64,61,392	62	E	64,61,392	62	3,82,535	81	
5	100 Lacs Loan (1955-56)	4½ per cent.	68,28,333	51	E	68,28,333	51	3,66,940	83	
6	100 Lacs Loan (1955-56)	4½ per cent.	68,28,333	51	E	68,28,333	51	3,66,940	83	
7	56 Lacs Loan (1955-56)	4½ per cent.	34,14,165	07	E	34,14,165	07	1,83,470	60	
8	100 Lacs Loan (1957-58)	4 per cent.	16,02,015	65	G	16,02,015	65	16,02,015	65	
9	50 Lakhs Loan (1958-59)	4 per cent.	8,01,007	82	G	8,01,007	82	8,01,007	82	
	Total—Loans raised from Government		4,45,54,354	52	...	4,45,54,354	52	48,83,034	51	
	Loans raised from the Public.									
1	The Tansa Water Works Loan (Rs. 147 Lakhs) ...	5 per cent.	5,000	00	}	5,000	00	(a)	...	
			3,000	00		3,000	00	(a)	...	
2	25 Lakhs Loan for Sewerage Water and other Sanitary Works due on 1-11-1939	4 per cent.	1,000	00		1,000	00	(a)	...	
3	The 15 Lakhs Loan for Street Improvements ...	4 per cent.	...			...		(a)	...
4	The 30 Lakhs Loan for the Acquisition of Sites for the Construction of Overbridges...	4 per cent.	26,000	00		26,000	00	(a)	...	
5	The 70 Lakhs Loan for re-duplication Tansa Main and other Auxiliary Works ...	4 per cent.	20,63,000	00		20,63,000	00	(a)	...	
6	The 20 Lakhs Loan for Street Improvements ...	4 per cent.	1,500	00		1,500	00	(a)	...	
7	The 10 Lakhs Loan for the Conversion of the Storm Water Reservoir at Clerk Road into a Public Park 1920 ...	5 per cent.	10,00,000	00		10,00,000	00	(a)	...	
8	160 Lakhs Loan for the Improvement of the Water Supply in Bombay (First Issue)	6 per cent.	12,500	00		12,500	00	(a)	...	
9	160 Lakhs Loan for the Improvement of the Water Supply Bombay (Second Issue).	6 per cent.	30,000	00		30,000	00	(a)	...	
10	Rs. 37 Lakhs Loan (1929-30) ...	5 per cent.	1,500	00		1,500	00	(a)	...	
11	Rs. 31.43 Lakhs Loan for the repayment of Rs. 40 Lakhs Loan due 19th December 1929 ...	5 per cent.	...			...		(a)	...
12	Rs. 28 Lakhs Loan for the repayment of Rs. 39,94,000 out of 6 per cent. Rs. 50 Lakhs Loan due 1st August 1929 ...	5 per cent.	...			...		(a)	...
	Loans from Public Carried over Rs. ...		31,43,500	00	...	31,43,500	00	...	...
	Loans from Govt. Carried over Rs. ...		4,45,54,354	52	...	4,45,54,354	52	48,83,034	51	

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

E—These loans are repayable in twenty-five annual equated instalments of principal and interest, the first instalment being payable on the first anniversary date of the date of the loan.

G—This loan is repayable in seven annual equated instalments of both principal and interest commencing from 1961-62

No. 11 City

April 1967 on the different Loans, the amount payable for the year 1967-68, the amount paid by the and the balances outstanding on 31st March 1968.

Balance due on 31st March 1968.		Interest outstanding on 1st April 1967		Interest payable in 1967-68.		Total interest due		Deduct—Interest paid by the State Bank of India and in Office.		Outstanding balance on 31st March 1968.	
8		9		10		11		12		13	
Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
56,80,063	28	...		2,58,351	42	2,58,351	42	2,58,351	42	...	
56,80,063	28	...		2,58,351	42	2,58,351	42	2,58,351	42	...	
60,78,856	81	...		2,74,609	19	2,74,609	19	2,74,609	19	...	
60,78,856	81	...		2,74,609	19	2,74,609	19	2,74,609	19	...	
64,61,392	66	...		2,90,204	17	2,90,204	17	2,90,204	17	...	
64,61,392	66	...		2,90,204	17	2,90,204	17	2,90,204	17	...	
32,30,694	47	...		1,45,102	02	1,45,102	02	1,45,102	02	...	
...		...		64,080	63	64,080	63	64,080	63	...	
...		...		32,040	31	32,040	31	32,040	31	...	
3,96,71,320	01	...		18,87,552	52	18,87,552	52	18,87,552	52	...	
C	5,000 00 } 3,000 00 }	2,665 06		...		2,665 06		...		2,665 06	
C	1,000 00	380 00		...		380 00		...		380 00	
...		132 00		...		132 00		...		132 00	
B	26,000 00	16,499 06		...		16,499 06		...		16,499 06	
B	20,60,000 00 } 3,000 00 }	4,941 89		82,402 00		87,343 89		83,140 00		4,201 89 * 2 00	
B	1,500 00	1,298 13		...		1,298 13		...		1,298 13	
...		...		50,000 00		50,000 00		50,000 00		...	
B	12,500 00	4,435 56		...		4,435 56		...		4,435 56	
B	30,000 00	7,125 75		...		7,125 75		...		7,125 75	
B	1,500 00	675 75		...		675 75		...		675 75	
...		2,227 31		...		2,227 31		...		2,227 31	
...		378 50		...		378 50		...		378 50	
31,43,500	00	40,759 01		1,32,402 00		1,73,161 01		1,33,140 00		40,019 01 * 2 00	
3,96,71,320	01	...		18,87,552 52		18,87,552 52		18,87,552 52		...	

B—Debentures in respect of these loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1968. 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.

C—Stoppage is recorded against these Debentures.

* Treated as saving

Div. (I)

No.	Particulars of Loans	Rate of Interest per Annum	Balance due on 1st April 1967.		Amount raised in 1967-68		Total		Amount re-paid in 1967-68.		
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	
	Loan from Government—Brought forward ...		4,45,54,354.52				4,45,54,354.52		43,83,034.51		
	Loans from Public—Brought forward ...		31,43,500.00				3,43,500.00				
	Loans raised from the Public—contd.										
13	Rs. 40 Lakhs Loan (1930-31) ...	6 per cent.		18,500.00			18,500.00		(a)	...	
14	Rs. 24½ Lakhs Loan (1936-37) ...	3 per cent.		...			...		(a)	...
15	Rs. 30 Lakhs Loan (1937-38) ...	3 per cent.		30,00,000.00			30,00,000.00		(a)	30,00,000.00	
16	Rs. 30 Lakhs Loan (1938-39) ...	3 per cent.		30,00,000.00			30,00,000.00		(a)	...	
17	Rs. 64 Lakhs Loan (1939-40) ...	3 per cent.		64,00,000.00			64,00,000.00		(a)	...	
18	Rs. 48 Lakhs Loan (1940-41) ...	3½ per cent.		48,00,000.00			48,00,000.00		(a)	...	
19	Rs. 25 Lakhs Loan (1941-42) ...	3½ per cent.		25,00,000.00			25,00,000.00		(a)	...	
20	Rs. 20 Lakhs Loan (1943-44) ...	3½ per cent.		20,00,000.00			20,00,000.00		(a)	...	
21	Rs. 22 Lakhs Loan (1944-45) ...	3½ per cent.		22,00,000.00			22,00,000.00		(a)	...	
22	Rs. 25 Lakhs Loan (1945-46) ...	3½ per cent.		25,00,000.00			25,00,000.00		(a)	...	
23	Rs. 54 Lakhs Loan (1946-47) ...	3 per cent.		54,00,000.00			54,00,000.00		(a)	...	
24	Rs. 75 Lakhs Loan (1947-48) ...	3½ per cent.		75,00,000.00			75,00,000.00		(a)	...	
25	Rs. 61 Lakhs Loan (1948-49) ...	3 per cent.		61,00,000.00			61,00,000.00		(a)	...	
26	Rs. 1.25 Crores Loan (1949-50) ...	3½ per cent.		88,14,500.00			88,14,500.00		(a)	...	
27	Rs. 2 Crores Loan (1950-51) ...	3½ per cent.		23,000.00			23,000.00		(a)	500.00	
28	Rs. 80 Lakhs Loan (1950-51) ...	3½ per cent.		80,00,000.00			80,00,000.00		(a)	...	
29	Rs. 1,75,34,000 Loan (1951-52) ...	3½ per cent.		39,500.00			39,500.00		(a)	26,500.00	
30	Rs. 60 Lakhs Loan (1951-52) ...	3½ per cent.		...			...
31	Rs. 2,44,14,500 Loan (1952-53) ...	4 per cent.		1,23,500.00			1,23,500.00			95,000.00	
32	Rs. 69 Lakhs Loan (1952-53) ...	4 per cent.		69,00,000.00			69,00,000.00		(a)	69,00,000.00	
33	Rs. 35 Lakhs Loan (1952-53) ...	4 per cent.		2,000.00			2,000.00			1,000.00	
34	Rs. 110 Lakhs Loan (1953-54) ...	4 per cent.		60,000.00			60,000.00			25,000.00	
35	Rs. 85 Lakhs Loan (1953-54) ...	4 per cent.		85,00,000.00			85,00,000.00		(a)	...	
36	Rs. 50 Lakhs Loan (1953-54) ...	4 per cent.		50,00,000.00			50,00,000.00		(a)	...	
37	Rs. 1,92,49,000 Loan (1954-55) ...	4 per cent.		1,39,500.00			1,39,500.00			12,000.00	
38	Rs. 70 Lakhs Loan (1954-55) ...	4 per cent.		70,00,000.00			70,00,000.00		(a)	...	
39	Rs. 180 Lakhs Loan (1955-56) ...	4 per cent.		1,80,00,000.00			1,80,00,000.00		(a)	1,79,00,000.00	
40	Rs. 30 Lakhs Loan (1955-56) ...	4 per cent.		30,00,000.00			30,00,000.00		(a)	30,00,000.00	
41	Rs. 1,15,50,000 Loan (1956-57) ...	4 per cent.		1,15,50,000.00			1,15,50,000.00		(a)	...	
42	Rs. 130 Lakhs Loan (1956-57) ...	4 per cent.		1,30,00,000.00			1,30,00,000.00		(a)	...	
43	Rs. 1,14,10,500 Loan (1957-58) ...	4½ per cent.		1,14,10,500.00			1,14,10,500.00		(a)	...	
44	Rs. 100 Lakhs Loan (1957-58) ...	4½ per cent.		1,00,00,000.00			1,00,00,000.00		(a)	...	
45	Rs. 250 Lakhs Loan (1958-59) ...	4½ per cent.		2,50,00,000.00			2,50,00,000.00		(a)	...	
46	Rs. 100 Lakhs Loan (1958-59) ...	4½ per cent.		1,00,00,000.00			1,00,00,000.00		(a)	...	
47	Rs. 330 Lakhs Loan (1959-60) ...	4 per cent.		3,30,00,000.00			3,30,00,000.00		(a)	...	
48	Rs. 1,37,50,000 Loan (1960-61) ...	4½ per cent.		1,37,50,000.00			1,37,50,000.00		(a)	...	
49	Rs. 170 Lakhs Loan (1960-61) ...	4½ per cent.		1,70,00,000.00			1,70,00,000.00		(a)	...	
50	Rs. 55 Lakhs Loan (1961-62) ...	4½ per cent.		55,00,000.00			55,00,000.00		(a)	...	
51	Rs. 225 Lakhs Loan (1961-62) ...	4½ per cent.		2,25,00,000.00			2,25,00,000.00		(a)	...	
52	Rs. 200 Lakhs Loan (1962-63) ...	4½ per cent.		2,00,00,000.00			2,00,00,000.00		(a)	...	
53	Rs. 150 Lakhs Loan (1962-63) ...	4½ per cent.		1,50,00,000.00			1,50,00,000.00		(a)	...	
54	Rs. 165 Lakhs Loan (1963-64) ...	4½ per cent.		1,65,00,000.00			1,65,00,000.00		(a)	...	
55	Rs. 235 Lakhs Loan (1963-64) ...	4½ per cent.		2,35,00,000.00			2,35,00,000.00		(a)	...	
56	Rs. 220 Lakhs Loan (1964-65) ...	5 per cent.		2,20,00,000.00			2,20,00,000.00		(a)	...	
57	Rs. 100 Lakhs Loan (1964-65) ...	4½ per cent.		1,00,00,000.00			1,00,00,000.00		(a)	...	
58	Rs. 250 Lakhs Loan (1965-66) ...	5½ per cent.		2,50,00,000.00			2,50,00,000.00		(a)	...	
59	Rs. 300 Lakhs Loan (1965-66) ...	6 per cent.		3,00,00,000.00			3,00,00,000.00		(a)	...	
60	Rs. 200 Lakhs Loan (1965-66) ...	6 per cent.		2,00,00,000.00			2,00,00,000.00		(a)	...	
61	Rs. 250 Lakhs Loan (1966-67) ...	5½ per cent.		2,50,00,000.00			2,50,00,000.00		(a)	...	
62	Rs. 400 Lakhs Loan (1966-67) ...	6 per cent.		4,00,00,000.00			4,00,00,000.00		(a)	...	
63	Rs. 250 Lakhs Loan (1966-67) ...	6 per cent.		2,50,00,000.00			2,50,00,000.00		(a)	...	
64	Rs. 2,90,95,000 Loan out of Rs. 400 Lakhs Loan (1967-68) ...	6 per cent.		...		2,90,95,000.00	2,90,95,000.00			...	
65	Rs. 800 Lakhs Loan (1967-68) ...	6 per cent.		...		8,00,00,000.00	8,00,00,000.00			...	
66	Rs. 200 Lakhs Loan (1967-68) ...	7 per cent.		...		2,00,00,000.00	2,00,00,000.00			...	
	Total Loans raised from the Public ...			55,88,74,500.00		12,90,95,000	68,79,69,500.00			3,09,60,000.00	
	Total Loans from Govt. and Public ...			60,34,28,854.52		12,90,95,000	73,25,23,854.52			3,58,43,034.51	

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

No. 11 City—Continued.

Balance due on 31st March 1968		Interest outstanding on 1st April 1967.		Interest payable in 1967-68.		Total Interest due		Deduct—Interest paid by the State Bank of India and in Office		Outstanding Balance on 31st March 1968.	
8		9		10		11		12		13	
Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
3,96,71,32	01	...	...	18,87,552	52	18,87,552	52	18,87,552	52	...	...
31,43,500	00	40,759	01	1,32,402	00	1,73,161	01	1,33,140	00	40,019	01
B 18,500	00	10,558	75	...	...	10,558	75	Cr. 12,250	00	10,558	75
...	...	...	...	90,000	00	90,000	00	85,750	00	*12,250	00
30,07,000	00	...	...	90,000	00	90,000	00	90,000	00	4,250	00
64,00,000	00	...	...	1,92,000	00	1,92,000	00	1,92,000	00	...	...
48,00,000	00	...	...	1,68,000	00	1,68,000	00	1,68,000	00	...	...
25,00,000	00	...	...	87,500	00	87,500	00	87,500	00	...	...
20,00,000	00	...	...	70,000	00	70,000	00	70,000	00	...	...
22,00,000	00	...	...	77,000	00	77,000	00	77,000	00	...	...
25,00,000	00	...	...	87,500	00	87,500	00	87,500	00	...	...
54,00,000	00	...	...	1,62,004	00	1,62,004	00	1,62,000	00	...	*4 00
75,00,000	00	39,527	86	2,43,757	00	2,83,284	86	2,79,621	79	3,656	43
...	...	...	...	...	...	...	...	...	...	...	*6 64
61,00,000	00	...	...	1,83,000	00	1,83,000	00	1,83,000	00	...	...
88,14,500	00	51,520	35	2,86,472	00	3,37,992	35	2,86,752	74	51,238	30
22,500	00	4,894	87	...	...	4,894	87	8	12	*1	31
80,00,000	00	...	...	2,60,003	00	2,60,003	00	2,60,000	00	4,886	75
13,000	00	9,054	62	...	...	9,054	62	5,558	58	...	*3 00
...	...	...	...	...	...	...	...	Cr. 3,25,109	40	3,495	04
...	...	...	...	...	...	...	...	Cr. 15,468	75	*3,25,109	40
...	...	...	...	...	...	...	...	...	...	*15,468	75
B 28,500	00	19,700	00	...	...	19,700	00	Cr. 28,125	00	*28,125	00
B 1,000	00	637	00	1,38,002	00	1,38,002	00	14,790	00	4,910	00
B 35,000	00	8,300	00	...	...	8,300	00	1,15,000	00	*23,002	00
85,00,000	00	...	...	3,40,000	00	3,40,000	00	180	00	457	00
50,00,000	00	...	...	2,00,000	00	2,00,000	00	3,500	00	4,800	00
B 1,27,500	00	28,185	00	...	...	28,185	00	3,40,000	00	...	...
70,00,000	00	...	...	2,80,000	00	2,80,000	00	2,00,000	00	24,505	00
1,00,000	00	1,67,065	00	3,60,001	00	5,27,006	00	2,80,000	00	10,152	00
1,15,50,000	00	11,970	00	60,001	00	60,001	00	4,87,113	00	*29,801	00
1,30,00,000	00	...	...	4,62,000	00	4,73,970	00	55,000	00	5,001	00
1,14,10,500	00	10,859	97	...	...	...	...	4,65,770	00	8,200	00
1,00,00,000	00	...	...	5,20,000	00	5,20,000	00	...	...	...	...
2,50,00,000	00	37,417	56	4,84,947	00	4,95,846	97	5,20,000	00	10,083	67
1,00,00,000	00	...	...	4,25,000	00	4,25,000	00	4,85,762	45	*0	85
3,30,00,000	00	1,80,701	00	10,62,500	00	10,99,917	56	4,25,000	00	51,643	65
1,37,50,000	00	106	25	4,25,000	00	4,25,000	00	10,48,273	69	*0	22
1,70,00,000	00	...	...	13,20,000	00	15,00,701	00	4,25,000	00	2,45,200	00
55,00,000	00	...	...	5,84,379	00	5,84,485	25	12,55,501	00	106	26
2,25,00,000	00	...	...	7,22,502	00	7,22,502	00	5,84,374	98	*4	01
2,00,00,000	00	593	75	2,33,752	00	2,33,752	00	7,22,500	00	*2	00
1,50,00,000	00	...	...	9,56,254	00	9,56,254	00	2,33,750	00	*2	00
1,65,00,000	00	7,291	31	9,50,003	00	9,50,596	75	9,56,250	00	*4	00
2,35,00,000	00	...	...	6,75,000	00	6,75,000	00	9,47,838	75	2,755	00
2,20,00,000	00	14,200	00	@ 7,83,753	58	@ 7,91,045	29	6,75,000	00	*3	00
1,00,00,000	00	...	...	11,16,254	00	11,16,254	00	7,82,965	66	8,075	58
2,50,00,000	00	10,752	50	11,00,034	00	11,14,204	00	...	...	*4	05
3,00,00,000	00	...	...	4,75,002	00	4,75,002	00	\$ 11,16,250	00	*4	00
2,00,00,000	00	...	...	14,37,505	00	14,48,257	50	10,94,262	50	19,937	50
2,50,00,000	00	...	...	18,00,002	00	18,00,002	00	4,75,000	00	*4	00
4,00,00,000	00	...	...	12,00,000	00	12,00,000	00	*2	00	*2	00
2,50,00,000	00	...	...	@ 14,37,500	02	14,37,500	02	*5	00	*2	00
4,00,00,000	00	...	...	24,00,000	00	24,00,000	00	14,48,252	50	...	...
2,50,00,000	00	...	...	@ 15,00,000	00	15,00,000	00	18,00,000	00	...	...
2,90,95,000	00	...	...	@ 16,50,000	00	@ 1,50,000	00	12,00,000	00	6,468	75
8,00,00,000	00	...	...	...	...	...	...	14,31,031	27	*2,80,000	00
2,00,00,000	00	...	...	...	...	...	...	21,20,000	00	...	...
65,70,09,500	00	6,54,134	80	2,57,29,000	00	2,63,83,134	80	15,00,000	00	*1,50,000	00
69,66,80,820	01	6,54,134	80	2,76,16,552	52	2,82,70,687	32	...	...	5,15,399	69
								2,49,98,923	88	* 8,68,811	23
								2,63,86,476	40	5,15,399	69
										8,68,811	23

* To be treated as Savings.

B.—Debitures in respect of these Loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1968. The Debitures do not carry interest from and after the due date of repayments and will be paid when surrendered for repayment by the holders, out of the Sinking Fund Investments.

@ Short provisions of Rs. 0.02 and Rs. 15,00,000.00 in the interest grant of Loan at Sr. No. 61 and 63 have been met from the balance available under the provision made for the Loan at Sr. No. 54, 64, 65 and 66.

Appendix

No.	Particulars of Advances	Rate of Interest. p r Annum	Balance due on 1st April 1967.		Amount raised in 1967-68.		Total.		Amount re-paid in 19.7-68.	
1	2	3	4		5		6		7	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	P.
	Advances from different Funds for purchase of Plant and Machinery									
1	Advance of Rs. 3,74,193.79 from Net Premia Fund 1962-63 ...	4½ per cent.	81,568	60			81,568	60	81,568	60
2	Advance of Rs. 88,294.95 from Municipal Fire and Accident Insurance Fund-1962-63. ...	4½ per cent.	19,246	11			19,246	11	19,246	11
3	Advance of Rs. 19,160.68 from Hospital Fund 1962-63 ...	4½ per cent.	4,175	17			4,175	17	4,175	17
4	Advance of Rs. 670,310.01 from Plat. & Machinery Depreciation Fund-1962-63 ...	4½ per cent.	1,46,115	87			1,46,115	87	1,46,115	87
5	Advance of Rs. 9,62,219.75 from Land (Reclama-tion and Acquisition) Fund-1962-63 ...	4½ per cent.	2,09,745	35			2,09,745	35	2,09,745	35
6	Advance of Rs. 20,000.00 from K. E. M. H. & G. S. M. C. Equipment Fund-1962-63. ...	4½ per cent.	4,358	94			4,358	94	4,358	94
7	Advance of Rs. 7,16,594.49 from Net Premia Fund 1963-64. ...	4½ per cent.	3,06,723	44			3,06,723	44	1,49,803	64
8	Advance of Rs. 50,163.96 from Municipal Fire and Accident Insurance Fund 1963-64. ...	4½ per cent.	21,470	54			21,470	54	10,487	15
9	Advance of Rs. 1,18,153.55 from Hospital Fund 1963-64. ...	4½ per cent.	50,573	66			50,573	66	24,699	75
10	Advance of Rs. 1,40,703.03 from Plant and Machinery Depreciation Fund 1963-64. ...	4½ per cent.	60,223	66			60,223	66	29,414	38
11	Advance of Rs. 6,79,277.98 from Land (Recl and Acqn) Fund 1963-64. ...	4½ per cent.	2,90,751	85			2,90,751	85	1,42,002	29
12	Advance of Rs. 6,22,459.88 from Net-Premia Fund.1964-65 ...	4½ per cent.	3,90,655	94			3,90,655	94	1,24,223	84
13	Advance of Rs.1,32,299.72 from Municipal Fire and Accident Insurance Fund-1964-65 ...	Do.	83,031	22			83,031	22	26,403	02
14	Advance of Rs 2,94,154.55 from Hospital Fund-1964-65 ...	Do.	1,84,611	95			1,84,611	95	58,703	93
15	Advance of Rs 4,45,195.94 from Plant and Machinery Depreciation Fund-1964-65 ...	Do.	2,79,405	38			2,79,405	38	88,847	24
16	Advance of Rs. 1084,822.82 from Land (Reclamation and Acquisition) Fund-1964-65 ...	Do.	6,80,832	81			6,80,832	81	2,16,498	44
17	Advance of Rs. 4,92,637.03 from Net Premia Fund 1965-66 ...	6 per cent	4,05,245	25			4,05,245	25	92,635	28
18	Advance of Rs. 4,35,022.08 from Municipal Fire and Accident Insurance Fund 1965-66. ...	6 per cent	3,57,850	40			3,57,850	40	81,801	98
19	Advance of Rs. 82,225.89 from Hospital Fund 1965-66 ...	6 per cent.	67,639	44			67,639	44	15,461	63
20	Advance of Rs. 1,22,934.01 from Plant and Machinery Depreciation Fund 1965-66 ...	6 per cent	1,01,126	05			1,01,126	05	23,116	44
21	Advance of Rs. 10,50,040.57 from Land (R and A) Fund 1965-66 ...	6 per cent.	8,63,767	00			8,63,767	00	1,97,449	98
22	Advance of Rs. 15,226.92 from K. E. M Hospital and G. S. M College Equip-ment Fund 1965-66 ...	6 per cent.	12,525	53			12,525	53	2,863	47
	Total (Pl. & Mach.) ...		46,21,644	16			46,21,644	16	17,49,622	50

No. 11 City—(Contd.)

Balance due on 31st March 1968.		Interest outstanding on 1st April 1967.		Interest payable in 1967-68.		Total Interest due.		Deduct-Int rest paid by the State Bank of India and in Office.		Outstanding Balance on 31st March 1968.	
8		9		10		11		12		13	
Rs.	Pes.	Rs.	Pes.	Rs.	Pes.	Rs.	Pes.	Rs.	Pes.	Rs.	Pes.
...	...	...	...	3,670	59	3,670	59	3,670	59	...	...
...	...	...	...	866	07	866	07	866	07	...	...
...	...	...	...	187	88	187	88	187	88	...	...
...	...	...	...	6,575	21	6,575	21	6,575	21	...	...
...	...	...	...	9,438	54	9,438	54	9,438	54	...	...
...	...	...	...	196	15	196	15	196	15	...	...
1,56,919	50	...	...	14,569	36	14,569	36	14,569	36	...	...
10,983	39	...	...	1,019	85	1,019	85	1,019	85	...	...
25,873	91	...	...	2,402	25	2,402	25	2,402	25	...	...
30,809	28	...	...	2,860	62	2,860	62	2,860	62	...	...
1,48,749	56	...	...	13,810	71	13,810	71	13,810	71	...	...
2,65,432	10	...	...	18, 5	16	18,556	10	18,556	10	...	...
56,628	20	...	...	3,943	98	3,943	98	3,943	98	...	...
1,25,908	02	...	...	8,769	07	8,769	07	8,769	09	...	...
1,90,558	14	...	...	13,271	76	13,271	76	13,271	76	...	...
4,64,334	37	...	...	32,339	56	32,339	56	32,339	56	...	...
3,12,609	97	...	...	24,314	72	24,314	72	24,314	72	...	...
2,76,048	42	...	...	21,471	02	21,471	02	21,471	02	...	...
52,177	81	...	...	4,058	37	4,058	37	4,058	37	...	...
78,009	61	...	...	6,067	56	6,067	5	6,067	56	...	...
6,66,317	02	...	...	51,826	02	51,826	02	51,826	02	...	...
9,662	06	...	...	751	53	751	53	751	53	...	...
28,72,021	66	...	...	2,41,866	98	2,40,966	98	2,40,966	98	...	...

Appendix

No	Particulars of Loans	Rate of Interest per Annum.	Balance due on 1st April 1967		Amount raised in 1967-68		Total		Amount repaid in 196-68	
1	2	3	4		5		6		7	
			Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
	Advances brought forward ...		46,21,644	16	...		46,21,644	16	17,49,622	50
23	Advances of Rs. 1,85,654.42 from Net Premia Fund 1966-67 ...	6 per cent.	1,86,654	42	...		1,86,654.42		33,111	73
	Advances of Rs. 5,37,235.27 from Municipal Fire & Accident Insurance Fund 1966-67.	6 per cent.	5,37,235	27	...		5,37,235.27		95,303	88
24	Advances of Rs. 2,18,512.09 from Hospital Fund 1966-67 ...	6 per cent.	2,18,512	09	...		2,18,512 09		38,763	27
22	Advances of Rs. 2,93,060.15 from Plant and Machinery Depreciation Fund 1966-67	6 per cent.	2,93,060	15	...		2,93,060 15		5,987	39
26	Advance of Rs. 8,16,734.40 from Land (R. & A.) Fund 1966-67 ...	6 per cent.	8,16,793	40	...		8,16,793 40		1,44,896	40
27	Advance of Rs. 300.84 from K.E.M. Hospital and G.S.M. College Equipment Fund 1966-67 ...	6 per cent.	300	84	...		300 84		52	95
28	Advance of Rs. 9,516.13 from K.E.M. Hospital and G.S.M. College Research Fund 1966-67 ...	6 per cent.	9,516	13	...		9,516 13		1,688	08
30	Advance of Rs. 5,01,261.99 from Net Premia Fund 1967-68 ...	6 per cent.	...		5,01,261	99	5,01,261 99		...	
31	Advance of Rs. 2,66,800.57 from Municipal Fire & Accident Insurance Fund 1966-67	6 per cent.	...		2,66,800	57	2,66,800 57		...	
32	Advance of Rs. 1,82,013.60 from Hospital Fund 1967-68 ...	6 per cent.	...		1,82,013	60	1,82,013 60		...	
33	Advance of Rs. 6,13,315.55 from Plant and Machinery Depreciation Fund 1967-68	6 per cent.	...		6,13,315	55	6,13,315 55		...	
34	Advance of Rs. 23,941.80 from K.E.M. Hospital Equipment Fund 1967-68 ...	6 per cent.	...		23,941.	80	23,941 80		...	
35	Advance of Rs. 3,45,378.63 from Land Reclamation and Acquisition Fund 1967-68 ...	6 per cent.	...		3,45,378	63	3,45,378 63		...	
			66,83,716	46	19,32,712	14	86,16,428 60		21,15,426	15
	Advances from Net Premia Fund for meeting expenditure on Renewal of Road Surface for which no provision exists in the Renewal of Road Surfaces Fund--									
1	Advance of Rs. 1,24,962.19 taken in 1952-53.	4 per cent.	10,793	15	...		10,793 15		10,793	15
2	Advance of Rs. 1,74,169.50 taken in 1953-54.	4 per cent.	29,545	69	...		29,545 69		14,483	17
3	Advance of Rs. 1,23,479.73 taken in 1954-55	4 per cent.	30,818	41	...		30,818 41		9,873	27
	Total (Rd. Surface) ...		71,157	25	...		71,157 25		35,149	59
	Total Advances as above (P. & M.) ...		66,83,716	46	19,32,712	14	86,16,428 60		21,15,426	15
	Total Advances as above (Rd. S.) ...		71,157	25	...		71,157 25		35,149	59
	Total Advances from Special Funds ...		67,54,873	71	19,32,712	14	86,87,585 85		21,50,575	74
	Total loans from Govt, Public at Pages 68-70 ...		60,34,38,854	52	12,90,95,000	00	73,25,23,854 52		3,58,43,134	51
	Grand Total—Loans and Advances...		61,01,83,728	23	13,10,27,712	14	74,12,11,440 37		3,79,93,610	25

No. 11 City—(Concl.)

Balance due on 31st March 1968		Interest outstanding on 1st April 1967		Interest payable in 1967-68		Total Interest due		Deduct-Interest paid by the State Bank of India and in Office		Outstanding Balance on 31st March 1968	
8		9		10		11		12		13	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
28,72,021	66	...	...	2,40,966	98	2,40,966	98	2,40,966	98	...	...
1,53,542	69	...	...	1,65,229	80	1,65,229	80	11,199	27	* 1,54,030	53
4,41,951	29	...	...	76,820	40	76,820	40	32,234	12	* 44,586	28
1,79,743	82	...	...	92,067	00	92,067	00	13,110	73	* 78,956	27
2,41,072	76	...	...	96,315	24	96,315	24	17,583	61	* 78,731	63
6,71,897	00	...	...	2,42,224	20	2,42,224	20	49,007	60	* 1,93,216	60
247	89	...	...	7,850	00	7,860	00	18	05	* 7,841	95
7,826	10	...	...	9,900	00	9,900	00	570	97	* 9,329	03
5,01,261	99	...	...	...	...	...	...	...	...	...	...
2,66,800	57	...	...	...	...	...	...	...	...	...	...
1,82,013	60	...	...	...	...	...	...	...	...	...	...
6,13,315	55	...	...	...	...	...	...	...	...	...	...
23,941	80	...	...	...	...	...	...	...	...	...	...
3,45,378	63	...	...	...	...	...	...	...	...	...	...
65,01,022	45	...	...	9,31,383	62	9,31,383	62	9,31,383	62	* 5,66,692	29
...	...	...	...	431	73	431	73	431	73	...	...
15,062	52	...	...	1,181	83	1,181	83	1,181	83	...	...
20,945	14	...	...	1,232	73	1,232	73	1,232	73	...	...
36,007	66	...	...	2,846	29	2,846	29	2,846	29	...	...
65,01,602	45	...	...	9,31,383	62	9,31,383	62	3,64,691	33	* 5,66,692	29
36,007	66	...	...	2,846	29	2,846	29	2,846	29	...	...
65,37,010	11	...	...	9,34,229	91	9,34,229	91	3,67,537	62	* 5,66,692	29
69,66,80,820	01	6,54,134	80	2,76,16,552	52	2,82,70,687	32	2,68,86,476	40	5,15,399	69
70,32,17,830	12	§ 6,54,134	80	2,85,50,782	43	2,92,04,917	23	2,72,54,014	02	* 8,68,811	23
										§§ 5,15,399	69
										* 14,35,513	52

* To be treated as savings.

§ This is the total figure of Renewed Grants under Stt. 'A' 'A-1' and Stt. 'B' and Stt. 'C'

§§ This is the total figure of outstanding balance required for renewal under Stt. 'A,' 'A-1' and Stt. 'B' and 'C' during the next year (1967-68)

No. 11—Suburbs.

Outstanding on 1st April 1967 on the different Loans, the amount payable for the year 1967-68, the amount outstanding on 31st March 1968.

Amount repaid in 1967-68.		Balance due on 31-3-1968.		Interest outstanding on 1-4-1967.		Interest payable in 1967-68.		Total Interest due.		Deduct—Interest paid.		Outstanding Balance on 31-3-1968.	
(7)		(8)		(9)		(10)		(11)		(12)		(13)	
Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
...		600	00	12	25	...		12	25	...		12	25
...		48,000	00	16	00	1,920	00	1,936	00	1,930	00	6	00
...		1,00,000	00	20	00	4,000	00	4,020	00	3,980	00	40	00
19,300	00	100	00	1,041	75	...		1,041	75	985	50	56	25
...		15,000	00	3,900	00	...		3,900	00	900	00	3,000	00
49,61,000	00	39,000	00	5,860	00	2,00,000	00	2,05,860	00	94,897	66	1,10,962	34
...		42,00,000	00	...		1,68,000	00	1,68,000	00	1,68,000	00	...	
...		60,00,000	00	3,060	00	2,55,000	00	2,58,060	00	2,57,295	00	765	00
...		60,00,000	00	29,537	50	2,55,000	00	2,84,537	50	2,56,275	00	28,262	50
...		1,25,00,000	00	2,29,774	00	5,00,000	00	7,29,774	00	4,87,960	00	2,41,814	00
...		77,00,000	00	3,756	40	3,27,250	00	3,31,006	40	3,28,014	94	2,991	46
...		10,00,000	00	...		42,500	00	42,500	00	42,500	00	...	
...		55,00,000	00	1,020	09	2,33,750	00	2,34,770	09	2,33,630	73	1,089	36
...		50,00,000	00	...		2,12,500	00	2,12,500	00	2,12,500	00	...	
...		1,60,00,000	00	15,792	30	7,60,000	00	7,75,792	30	7,59,493	44	16,298	86
...		1,10,00,000	00	...		5,22,500	00	5,22,500	00	5,20,362	50	2,137	50
...		50,00,000	00	...		2,37,500	00	2,37,500	00	2,37,500	00	...	
...		75,00,000	00	...		3,75,000	00	3,75,000	00	3,75,000	00	...	
...		70,00,000	00	...		3,32,500	00	3,32,500	00	3,32,500	00	...	
...		1,00,00,000	00	33,352	51	5,75,000	00	6,13,352	51	6,11,785	60	1,566	91
...		50,00,000	00	...		3,00,000	00	3,00,000	00	3,00,000	00	...	
...		75,00,000	00	...		4,31,250	00	4,31,250	00	4,31,250	00	...	
...		50,00,000	00	...		2,65,000	00	2,65,000	00	2,65,000	00	...	
...		45,00,000	00	...		...		...		...		...
...		50,00,000	00	...		...		...		...		...
49,80,300	00	13,16,02,700	00	**3,32,142	80	59,98,670	00	63,30,812	80	59,21,810	37	4,09,002	43

The Saving Fund has been invested as shown in detail in Appendix No. 10

* Rs. 8,313.34 paid from Interest accrued but not paid etc

** Difference of Rs. 0.94 on account conversion into new coinage in respect of the Loan of Rs. 20 Lakhs 1950-51.

APPENDIX No. 11. (Extended Suburbs).

Statement showing Outstanding Loans due by the Municipality (Extended Suburban Area), the Interest Outstanding on 1st April 1967 on the different Loans, the amount payable for the year 1967-68, the amount paid by the State Bank of India and in office during the year and the balance Outstanding on 31st March 1968.

Serial No.	Particulars of Loan.	Rate of interest.	Balance due on 1-4-1967.	Amount raised in 1967-68.	Total.	Amount repaid in 1967-68.	Balance due on 31-3-1968	Interest outstanding on 1-4-1967.	Interest payable in 1967-68.	Total Interest due.	Deduct Interest paid.	Outstanding balance on 31-3-1968.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Loans raised from the Public.												
1	½ per cent. 25 lakhs Bombay Municipal Extended Suburbs Internal Loan of 1957-58 for financing Capital Works such as Water Works, etc.	4½%	25,00,000	...	25,00,000	...	25,00,000	...	1,06,250.00	1,06,250.00	1,06,250.00	...	
2	¼ per cent. 20 lakhs (Out of 35 lakhs) Bombay Municipal Extended Suburbs Internal Loan of 1958-59 for financing Capital Works such as Water Works, etc.	4½%	20,00,000	...	20,00,000	...	20,00,000	...	85,000.00	85,000.00	85,000.00	...	
3	½ per cent. Rs. 25 lakhs Bombay Municipal Extended Suburbs Loan of 1959-60 for financing Capital Works such as Water Works, etc.	4%	25,00,000	...	25,00,000	...	25,00,000	13,000.00	1,00,000.00	1,13,000.00	96,606.00	16,394.00	
4	½ per cent. Rs. 20 lakhs Bombay Municipal Extended Suburbs Loan of 1960-61 for financing Capital Works such as Water Works, etc.	4½%	22,00,000	...	22,00,000	...	22,00,000	1,703.01	93,500.00	95,200.01	95,199.96	0.05	
5	¼ per cent. Rs. 10 lakhs Bombay Municipal Extended Suburbs (Internal) Loan of 1960-61 for financing Capital Works such as Water Works, etc.	4½%	10,00,000	...	10,00,000	...	10,00,000	...	42,500.00	42,500.00	42,500.00	...	
6	¼ per cent. Rs. 50 lakhs Bombay Municipal Extended Suburbs Loan of 1961-62 for financing Capital Works such as Water Works, etc.	4½%	55,00,000	...	55,00,000	...	55,00,000	1,190.01	2,33,750.00	2,34,940.01	2,34,302.48	637.53	
7	½ per cent. Rs. 30 lakhs Bombay Municipal Extended Suburbs Loan of 1962-63 for financing Capital Expenditure such as Water Works, etc.	4½%	30,00,000	...	30,00,000	...	30,00,000	33,689.46	1,42,500.00	1,76,189.46	1,62,829.96	13,359.50	
8	4½% Rs. 25 lakhs Bombay Municipal Extended (Sub) Internal Loan 1964-65	4½%	25,00,000	...	25,00,000	...	25,00,000	...	1,18,750.00	1,18,750.00	1,18,750.00	...	
9	6% Rs. 50 lakhs Bombay Municipal Budget 'A' (Div. III) Internal Loan 1965-66	6%	50,00,000	...	50,00,000	...	50,00,000	...	3,00,000.00	3,00,000.00	3,00,000.00	...	
10	5½% Rs. 50 lakhs B.M.C. Budget 'A' Div. III Loan 1966-67	5½%	50,00,000	...	50,00,000	...	50,00,000	...	2,87,500.00	2,87,500.00	2,84,625.00	2,875.00	
11	6% Rs. 40 lakhs B.M.C. Budget 'A' Div. III Internal loan 1966-67	6%	40,00,000	...	40,00,000	...	40,00,000	...	2,40,000.00	2,12,000.00	2,12,000.00	...	
12	6% Rs. 35 lakhs Bcm. Mun. Budget 'A' Div. III Loan 1967-68	6%	...	35,00,000	35,00,000	...	35,00,000	...	...	...	...	...
13	6% Rs. 20 lakhs Bcm. Mun. Budget 'A' Div. III Internal Loan 1967-68	6%	...	20,00,000	20,00,000	...	20,00,000	...	...	...	...	...
	Total		3,52,00,000	55,00,000	4,07,00,000	...	4,07,00,000	49,579.48	17,49,750.00	17,71,329.48	17,38,063.40	33,266.08	

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

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT.				
	A.—General Tax	8,85,99,002	55	
	B.—Town Duties	9,75,74,657	26	
	C.—Other Receipts—			
	(a) Grant-in-aid of the fees for Land Conveyance, Music, etc., Licences	14,077	00	
	(b) Grant-in-aid in respect of fines for offences against the Law	7,68,844	80	
	(c) Interest and Profit on Investment of Surplus Loan and other balances	76,94,549	73	
	(d) Interest on Plant and Machinery Depreciation Fund	1,52,184	05	
	(e) Miscellaneous	21,11,451	47	
	(f) Receipts on account of Municipal Journal	14,432	26	
	D.—Receipts on account of proportionate cost of collection of Education cess	1,02,678	00	
	E.—	1,22,858	03	
				19,70,82,762 15
	Water Works—Water Tax and other Miscellaneous Water Works Revenue—			
	A.—Water Tax	5,02,27,227	83	
	B.—Other Receipts	21,01,404	35	
				5,23,28,632 18
3.	Museums	17,665	88	17,65 88
4.	Free Reading Rooms and Libraries	17,64,473	62	12,36,473 62
5.	Public Health Department	7,97,039	04	7,97,039 04
6.	Medical Relief and Education	17,38,734	24	17,38,734 24
7.	Street Cleansing and Conservancy, Road Watering and Halalkhore Service—			
	A.—Halalkhore Tax	1,37,80,528	10	
	B.—Other Receipts	7,59,215	00	
	C.—Tax on Dogs	52,824	09	
				1,45,92,569 09
8.	Roads, S.W. Drains and Public Lighting—			
	A.—Wheel Tax	81,87,513	12	
	B.—Contribution from Government in lieu of Tolls	25,000	00	
	C.—Other Receipts—			
	(a) Ground Rent	63,088	60	
	(b) Miscellaneous	12,14,885	00	
	(c) Interest realised on Donations	22,15	47	
				94,85,792 99
9.	Mechanical	3,10,427	00	3,10,427 00
10.	Buildings, Land Acquisition and Management—			
	A.—Sale Proceeds of Surplus Land	17,008	91	
	B.—Other Receipts—			
	(a) Rent of Buildings	12,58,109	39	
	(b) Ground Rent	5,64,47	16	
	(c) Miscellaneous	12,92,859	94	
	C.—Contribution from the Capital Funds on account of Special Land Acq. staff	1,36,851	29	
				32,71,326 69
11.	Fire Brigade—			
	A.—Fire Tax	27,84,775	13	
	B.—Other Receipts	64,672	51	
				28,49,377 64
12.	Licensing Removal of Encroachments on Public Streets, Administration of Shops & Establishments Act, 1948 and Theatre Tax—			
	A.—Licences for Dangerous and Offensive Trades	26,49,718	03	
	B.—Removal of Encroachments on Public Streets	30,41,977	36	
	C.—Receipts from Administration of Shops and Establishments Act	4,91,457	45	
	D.—Miscellaneous	10,02,145	25	
	E.—Receipts from Theatre Tax	7,52,094	53	
				79,77,392 62
13.	Gardens and Open Spaces	7,02,175	05	7,02,175 05
14.	Markets and Slaughter Houses	72,11,293	53	72,11,293 53
15.	Contribution from Capital Funds to Revenue on account of Loan Works Staff	7,95,877	92	7,95,877 92
16.	Extraordinary Receipts	2,11,265	15	2,11,265 15
17.	Rebate from Government on account of collection of the Urban Immoveable Property Tax in the City			22,776 67
18.	Transfers from the B. E. S & T. Fund			
19.	Receipts from Government on account of Urban Immoveable Property Tax			4,16,487 73
20.	Grant-in-aid from Central Government on account of additional Exp. due to increase in employments etc.			
	Total—Revenue Receipts Rs.			30,11,56,999 19
RECEIPTS—B.—CAPITAL ACCOUNT—				
Loan Funds—				
	Deb.—Principal—			
	Loan of 1967-68	12,90,95,000	00	
	Advances from Special Funds for purchase of Plant and Machinery—			
	Net premia Fund	5,01,261	99	
	Municipal Fire and Accident Insurance Fund	2,66,800	57	
	Advance from K.E.M. Hospital Research Fund for purchase of P & L M			
	K.E.M. Hospital Equipment Fund	23,941	80	
	Land (Acquisition and Reclamation) Fund	3,45,378	63	
	Hospitals Fund	1,82,113	60	
	Plant and Machinery Depreciation Fund	6,13,315	55	
	Advances from Net Premia Fund and Special Funds for renewal (1) of Surfaces of Roads for which no renewal Fund exists and (2) of Surfaces of Roads taken over from Ex-Trust			
	Advances from Net premia fund for Repayment of Rs. 28 lakhs Loan of 1929			
				13,10,27,712 14
Trust Fund—				
	Government share of the cost of Preliminary Expenses in connection with preparation of the Master Plan for Bombay City and Greater Bombay			
	Donations			
	Interest on investments			
	Total Capital Account Receipts			13,10,27,712 14

No. 15. (City)

and debited to the Municipal Fund during the year 1967-68 and the balance year 1964-65 (i. e. 31st March 1965).

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—C.—SUSPENSE ACCOUNT—				
I.—Sinking and Special Fund Accounts—				
Sinking Fund account—Municipal	3,12,95,66	44		
Special Fund Accounts	4,08,35,528	76		
Improvement Schemes Fund Account—				
(a) Sinking Fund Account	50,91,058	67		
(b) Investment Reserve Fund Account	3,81,044	15		
Sinking Fund Account—Slum clearance (City)	5,79,288	53		
Sinking Fund Account Slum clearance (Suburbs)	2,65,749	72		
Amenities Fund Account	1,00,083	72		
Rent Equalisation Fund Account.	2,91,240	81		
			7,88,45,600	80
II.—Paper and Cash Accounts—				
1. Sinking Fund	3,68,23,149	69		
2. Special Funds	2,50,79,922	16		
3. Surplus Fund	9,94,66,833	98		
4. Loan Fund		96		32
5. Improvement Schemes Funds—				
(a) Sinking Fund	29,65,503	05		
(b) Capital Fund	1,19,59,925	24		
(c) Investment Reserve Fund	5,01,997	56		
(d) Rent Equalisation Fund	15,33,307	87		
(e) Amenities Fund	4,81,949	83		
6. Improvement Schemes A/c (Slum Clearance) City—				
(a) Sinking Fund	16,295	73		
(b) Capital Fund	19,49,117	96		
7. Improvement Schemes A/c (Slum Clearance) Sube.				
(a) Sinking Fund		19		15
(b) Capital Fund	35,77,168	21		
State Bank of India and other Local Banks on account of Sundry deposits	14,59,23,517	00		
			33,02,80,803	75
III.—Suspense Accounts—				
Deposit Account	14,59,11,850	27		
Reserve Stores Account	1,41,82,147	18		
Capital Stores Accounts	2,44,41,723	69		
Purchase of Petrol and Diesel Oil	11,90,305	13		
Advances to public including co-operatives for Housing Purposes	43,302	94		
Advances Departmental Works	31,66,952	26		
Advances Municipal Workshops	5,96,386	74		
Municipal Foundry	67,762	43		
Worli Crushers	1,16,009	99		
Sewri Crushers	1,481	13		
Mechanical Transport	54,30,530	12		
Asphalt Plant	5,19,272	26		
Pre-Cast Concrete Slabs				
Municipal Printing Press	18,52,659	10		
Roti Printing Units	305	21		
Advances Private Works	1,84,110	27		
Servicing of Vehicles and recharging of Batteries.	1,335	81		
Reinstatement of Trenches	30,15,125	64		
Advances Special Funds	25,45,535	93		
Municipal Contractors	1,00,005	72		
Municipal Tenders	13,878	99		
Sundry Advances	2,71,85,742	18		
Advances for demolition of unauthorised structures and for removal of unsafe Buildings in the City	87,013	88		
Advances to Municipal Officers—	1,18,662	50		
Interest Accrued but not paid	9,84,861	10		
Interest Receivable Account				
Provident Fund	2,42,71,230	64		
Welfare Fund				
Fines Fund	6,917	50		
Fidelity Guarantee Insurance Fund	10,626	99		
Bombay Municipal Corporation Loans Interest Warrants payable Account	86,11,806	40		
City of Bombay Improvement Trust Loans Interest Warrants Payable Account	6,36,304	20		
Cash Bills outstanding Account	1,83,346	65		
Dishonoured Cheques	1,34,19,594	59		
Cheques payable	57,63,52,289	87		
Loan Redemption Fund Slum Clearance City	17,59	40		
Loan Redemption Fund Slum Clearance Suburbs	22,023	34		
Wages Deposit Account	90,37,446	69		
Loan Redemption Fund—Municipal	3,79,93,610	25		
Loan Redemption Fund—Improvement Schemes	26,34,561	49		
Manufacture of concrete covers—Recoveries Dadar Kar Pattern	Dr. 5,643	02		
Interest on B. I. T. Loans payable Account				
Debt charge Equalisation Fund	24,992	18		
Municipal Power Laundry	5,85,909	77		
Plant and Machinery Purchased out of S. C. B.				
Pension Fund	1,06,34,038	62		
Gratuities Fund	28,22,762	55		
Amount transferred to D. A. Suburbs	51,33,232	20		
Security Deposit in C. Railway L. D. G. S. New Delhi	1,07,965	00		
			92,12,68,721	82
Total Receipts—C.—Suspense Accounts			1,33,33,95,126	37

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—D.—IMPROVEMENT SCHEMES ACCOUNT—				
General Account Revenue—				
I.—Rents and other proceeds of Properties...	1,00,30,465	71		
II.—Contribution from the Municipal Corporation under Section 125(2)(d) of the Municipal Act	95,95,111	00		
III.—Grant-in-aid for meeting deficit in General Account	3,47,622	00		
IV.—Interest and Profit on Investments	Dr. 11,334	69		
V.—Miscellaneous Receipts	62,931	03		
VI.—Transfer of Revenue Surplus to Capital Account	20,66,873	33		
	Total Rs.		2,20,91,668	38
Capital Account—				
I.—Sale proceeds of Lands, Buildings, etc.	4,06,351	57		
II.—Transfer of Revenue Surplus from General Account				
III.—Loan raised during 1966-67	50,00,000	00		
Lumpsum provision for granting loans to in act Building in Impt. Scheme as provided under Section 354 of B.M.C. Act				
	Total—Capital Account Receipts Rs.		54,06,351	57
	Total—D.—Improvement Schemes		2,74,93,019	95
RECEIPTS—E.—IMPROVEMENT SCHEMES ACCOUNT—SLUM CLEARANCE (CITY)—				
General Account Revenue—				
I.—Rents and other proceeds of Properties	13,26,871	22		
II.—Grant-in-aid for meeting deficit				
III.—Interest and Profit on Investment	3,04,375	03		
IV.—Miscellaneous Receipts				
V.—Appropriation from Capital Account to meet deficit in General Account	9,50,595	64		
			25,81,842	89
Capital Account—				
I.—Sale proceeds of Lands and Buildings	28,039	18		
II.—Loans from Government	5,94,192	00		
III.—Loan raised in 1966-67				
Subsidy from Government	8,80,939	00		
Transfer to General Accounts				
	Total—Capital Account Receipts		15,03,220	18
	Total—E.—Improvement Schemes Slum Clearance (City)		40,85,063	07
RECEIPTS—F.—IMPROVEMENT SCHEMES ACCOUNT—SLUM CLEARANCE (Subs.)—				
General Account Revenue—				
I.—Rents and other proceeds of properties	1,37,580	29		
II.—Contribution from Municipal Corporation (Suburbs)				
III.—Interest and Profits on Investments	1,19,094	55		
IV.—Miscellaneous Receipts				
V.—Transfer of Revenue Surplus to Capital Account	8,85,384	74		
			11,42,059	58
Capital Account—				
I.—Sale Proceeds of Lands and Buildings	13,506	20		
II.—New Loans in 1966-67	50,00,000	00		
Transfer of Revenue Surplus				
III.—Loan from Government	78,864	00		
IV.—Subsidy from Government	1,61,708	00		
	Total—Capital Account Receipt		52,59,078	20
	Total—F.—Improvement Schemes Account—Slum Clearance (Subs.)		64,01,137	78
EXPENDITURE—A.—REVENUE ACCOUNT.				
I.—General Supervision, Collection of Revenue etc.—				
A.—General Superintendence	99,66,125	54		
B.—Collection of Revenue	49,74,524	42		
C.—Lipkeep and guarding of Municipal Head Office	5,81,483	33		
D.—General Sores	5,08,608	78		
E.—Legal Department	2,96,281	33		
F.—Miscellaneous Charges	5,84,956	32		
G.—Election Expenses	4,42,559	99		
H.—Provident Fund charges	10,59,041	42		
I.—Debt Charges	8,55,058	35		
Deduct—Proportion of General Superintendence chargeable to the Water Works, VII—Street Cleansing, VIII—Roads, Fire Brigade Market, and Improvement Schemes Account and Education Fund Account Budget D & F			Cr. 42,26,103	48
			1,50,42,546	00
II.—Water Works—				
A.—Maintenance I	1,19,41,196	69		
B.—Income Tax on income derived by the Municipality for supply of water to areas outside Municipal Jurisdiction	4,74,012	71		
C.—Provident Fund Charges	3,61,979	33		
D.—Pension, Gratuities and Compassionate Allowances	5,69,150	00		
E.—Proportion of General Supervision and Collection of Revenue, etc.	20,89,541	43		
F.—Debt Charges	2,93,29,045	23		
G.—Provision for Equalisation of Debt Charges				
			4,47,64,224	79
III.—Museums—				
A.—Victoria Albert Museum	94,591	44		
B.—Provident Fund Charges	1,300	00		
C.—Debt Charges	1,188	68		
			97,030	12
IV.—Free Reading Rooms and Libraries—				
A.—Municipal Free Reading Rooms and Libraries	7,76,131	83		
B.—Municipal High School	20,31,642	63		
C.—Provident Fund charges	5,616	00		
			28,13,390	46
V.—Public Health Department—				
A.—General Superintendence	62,31,087	48		
B.—Supply of milk to the undernourished needy children attending Municipal Schools	25,04,379	72		
C.—Provident Fund, Charges	1,74,655	73		
E.—Census				
F.—Debt Charges	9,40,480	68		
D.—Malaria Eradication Programme	1,9,678	41		
Institute of Public Health	19,444	93		
G.—Impounding Stray Cattle				
			1,00,49,776	97
	Expenditure—Revenue—Carried over	3,24,05,376	19	7,27,61,618 34

No. 15—(Continued)—City.

	Details.		Total.	
	Rs.	P.	Rs.	P.
			7,27,67,678	34
B/o.				
VI.—Medical Relief and Education—				
A.—Hospitals and Maternity Homes—	3,69,47,165	52		
B.—Maternity Homes	19,14,042	47		
C.—Dispensaries	14,11,235	75		
D.—Family planning clinics	10,145	10		
E.—Medical Education	58,53,180	36		
F.—Statutory Contribution to Government Medical Institutions	4,14,500	04		
G.—Clinic for treatment of Leprosy cases	2,18,000	00		
H.—Providing a convalescent home of 120 Beds with Equipments, Staff quarters near K. E. M. Hospital B. C. G. Vaccination	14,528	50		
K.—Debt Charges	53,22,182	01		
I.—Construction of full fledged Buildings at L. T. M. G. H. Sion				
J.—Grant-in-aid to Public Institutions	24,37,429	73		
J.—Provident Fund, charges	3,76,066	90	5,49,18,476	38
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—				
A.—Street Cleansing and Conservancy	27,80,742	06		
B.—Collection, Loading Removal and disposal of Town Refuse	2,23,74,112	58		
C.—Road Watering				
D.—Halalkhore Service	1,49,81,923	51		
F.—Provident Fund Charges	13,67,443	15		
G.—Pension Gratuities and Compassionate allowances...	3,43,640	00		
H.—Debt Charges	39,07,114	83	4,57,49,981	13
VIII.—Roads S. W. Drains and Public Lighting—				
A.—General	10,78,855	94		
B.—Maintenance of Roads	76,90,706	46		
C.—Public Lighting	73,27,220	77		
D.—Maintenance of S. W. Drains	6,77,04	63		
E.—Rebate on Account of the compounded wheel-tax,	14,918	00		
F.—Provident Fund etc. Charges	2,70,621	17		
H.—Debt Charges	1,05,53,529	53		
I.—Proportionate Cost of Collection of Wheel Tax at 5% of the Total Expenditure etc.	1,71,046	90	2,78,84,703	40
IX.—Mechanical—				
A.—Mechanical Engineer's Office Estt.	8,62,301	10		
B.—Provident Fund Charges	39,571	00		
C.—Debt Charges	1,15,275	56	10,17,147	66
X.—Buildings, Land Acquisition and Management—				
A.—City Engineer's Central Office Establishment	7,09,752	36		
B.—Inspection and Supervision of Private Buildings	12,92,198	30		
D.—Architectural	1,54,440	20		
E.—Land Acquisition and Management	9,82,632	20		
F.—Inspection and Supervision of Factories, Workshops and Work Places	1,31,963	81		
Debt Charges	41,70,700	55		
J.—Provident Fund, charges	1,25,562	80		
Deduct—Supervision Chargeable to Improvement Schemes Account Industrial Estate	11,189	93	75,80,461	15
XI.—Fire Brigade—				
A.—Maintenance	23,30,245	49		
B.—Provident Fund, etc., Charges	2,950	00		
C.—Pension Gratuities and compassionate allowances	2,71,000	00		
D.—Proportion of General Supervision and Collection of Revenue	1,30,758	70		
E.—Debt Charges	4,16,366	05	31,51,320	24
XII.—Licensing, Removal of Encroachments on Public Streets and Administration of Shops and Establishment Act, 1948 and Theatre Tax—				
A.—Licensing Establishment	10,08,812	58		
B.—Removal of encroachments on Public Streets	9,36,392	18		
C.—Administration of Shops and Establishment Act, 1948	4,42,160	49		
D.—Administration of Theatre Tax				
F.—Provident Fund, charges	95,109	19		
G.—Debt Charges	15,820	41	24,98,294	85
XIII.—Gardens and Open Spaces—				
A.—Gardens	18,68,485	21		
B.—New Gardens, Recreation Grounds etc.	66,505	88		
C.—Road side Trees	1,44,898	96		
D.—Open Air Theatre at Victoria Garden	13,245	41		
E.—M. G. M. O. Swimming Pool	1,41,000	28		
F.—Raja Baldeo Birla Krida Kendra	52,201	84		
G.—Provident Fund, charges.	42,889	00		
H.—Debt Charges	8,76,578	79	32,05,815	37
XIV.—Markets and Slaughter Houses—				
A.—Markets and Slaughter Houses & Refrigerator at A. C. Market	40,65,032	06		
B.—Provident Fund and etc., charges	51,141	98		
C.—Pension Gratuities and compassionate allowances	1,38,730	00		
D.—Proportion of General Supervision	1,55,539	59		
F.—Debt Charges	8,23,452	83	52,35,896	46
XV.—Contribution to—				
(a) Budget 'B' under Section 125(2)(d) of the Bombay Municipal Corporation Act	67,54,291	00		
(c) Budget 'E' under Section 126(C) of the Bombay Municipal Corporation Act	1,68,85,730	00		
(ce) Special Contribution to Budget 'E' under Section 126(C-1) of the B.M.C. Act	3,50,00,000	00		
(e) Finance Fund and Welfare Fund	2,83,889	09	5,89,23,910	09
XVI.—Miscellaneous—				
(c) Pension Fund	42,65,570	00		
(d) Gratuities Fund	13,61,040	00		
Deduct—proportionate share chargeable to—	Cr. 3,15,990	00		
XVII.—Measures for civil Defence	Cr. 18,029	38	53,10,620	00
			Cr. 18,029	38
Total Expenditure—A—Revenue Account Rs.			28,82,26,275	69

	Details.		Total.	
	Rs.	P.	Rs.	P.
EXPENDITURE B—CAPITAL ACCOUNT				
I.—General Supervision, Collection of Revenue, etc.	24,49,889	64	---	---
II.—Water Works, ordinary	28,18,099	37	---	---
III.—Augmenting City's Water Supply	8,42,95,581	52	---	---
IV.—Public Health Department	5,57,233	64	---	---
V.—Medical Relief and Education	80,62,028	90	---	---
VI.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service	17,49,972	88	---	---
VII.—Roads, S. W. Drains and Public Lighting	67,59,940	51	---	---
VIII.—Mechanical	---	---	---	---
IX.—Buildings, Land Acquisition and Management	59,68,896	16	---	---
X.—Fire Brigade	5,820	00	---	---
XI.—Gardens and open spaces	5,61,583	91	---	---
XII.—Markets and Slaughter Houses	51,45,247	15	---	---
XIII.—Slum Service	6,91,366	69	---	---
XIV.—Greater Bombay	---	---	---	---
XV.—Industrial Estate	3,43,102	76	---	---
Discount and other charges on the new Loans	---	---	---	---
Plant and Machinery to be purchased out of Net Premia Fund	19,918	90	---	---
Plant and Machinery to be purchased out of Municipal Fire and Accident Ins. Fund	33,558	43	---	---
Plant and Machinery to be purchased out of K. E. M. Hospital Equipment Fund	16,666	44	---	---
Plant and Machinery to be purchased out of K. E. M. Hospital Research Fund	Cr. 1,688	03	---	---
Plant and Machinery to be purchased out of Land (Reclamation and Acquisition Fund	Cr. 5,65,213	83	---	---
Plant and Machinery to be purchased out of Pre-cast Concrete Slabs Pavement Renewal Fund	---	---	---	---
Plant and Machinery to be purchased out of Plant and Machinery Depreciation Fund	2,73,834	23	---	---
Plant and Machinery to be purchased out of Hospital Fund	40,209	85	---	---
Plant and Machinery to be purchased out of Slum Service Fund	---	---	---	---
Assets written off	21,15,426	15	---	---
Recoupment of Advance for Purchase of Capital Stores Account Stock during 66-67	Cr. 1,88,562	77	---	---
Plant and Machinery to be purchased out of Special Fund	---	---	---	---
			12,11,52,912	50
Trust Fund—				
Expenditure				
Total B—Capital Expenditure Rs.			12,11,52,912	50

EXPENDITURE—C.—SUSPENSE ACCOUNTS—	Details.		Total.	
	Rs.	P.	Rs.	P.
I.—Sinking and Special Fund Accounts—				
(1) Sinking Fund Account—Municipal	3,12,04	40		
(2) Special Fund Accounts	93,66,199	54		
(3) Improvement Schemes Fund Accounts—				
(a) Sinking Fund Account	15,25,641	03		
(b) Sinking fund A/C Slum Clearance City	4,145	80		
(c) Sinking Fund Account Slum clearance (Suburbs)		66		
Other Fund Accounts (Impts.)—				
(d) Investment Reserve Fund Account	756	71		
(e) Rent Equalisation Fund Account	1,539	85		
(f) Amenities Fund Account	30,751	83		
			4,21,33,902	82
II.—Paper and Cash Accounts—				
(1) Sinking Fund	3,69,15,848	73		
(2) Special Funds	5,78,72,607	67		
(3) Surplus Fund	12,62,46,355	04		
(4) Loan Fund	98,74,895	96		
(5) Improvement Schemes Funds—				
(a) Sinking Fund	65,30,970	69		
(b) Capital Fund	84,06,643	11		
(c) Investment Reserve Fund	8,82,235	00		
(d) Amenities Fund	5,51,281	72		
(e) Rent Equalisation Fund	18,24,958	83		
(6) Improvement Schemes A/C (Slum Clearance) City				
(a) Sinking Fund	5,91,438	46		
(b) Capital Fund	5,46,589	44		
(6) Improvement Schemes A/C (Slum Clearance) Subs.				
(a) Sinking Fund	2,65,768	21		
(b) Capital Fund	52,97,022	12		
State Bank of India and other Local Banks on account of Sundry Deposits	10,04,79,369	86		
			35,63,59,984	84
III.—Suspense Accounts—				
Deposit Account	13,16,55,535	65		
Reserve Stores Accounts	1,59,64,944	18		
Capital Stores Accounts...	2,51,55,440	41		
Capital Store Account Stoke—Feras Road Depot	88,438	53		
Purchase of Petrol, and Diesel Oil	8,70,469	97		
Purchase of Coal				
Advances Departmental Works	19,24,213	28		
Advances Municipal Workshop	8,68,208	17		
Municipal Laundry	2,35,521	10		
Worli Crushers	4,52,753	67		
Sewer Crushers	1,90,652	69		
Mechanical Transport	55,34,310	30		
Asphalt Plant	11,20,604	15		
Pre Cast Concrete Slabs				
Rota Printing Units	3,81,797	19		
Servicing of Vehicles and Recharging of Batteries				
Municipal Printing Press	26,02,511	51		
Advances Private Works	7,99,326	91		
Advances Special Funds	23,61,969	64		
Municipal Contractors	1,05,532	81		
Municipal Tenderers	29,198	99		
Sundry Advances	2,86,51,598	30		
Advance to public including co-operatives for Housing purposes	17,97,776	71		
Advance for demolition of unauthorised Structures and for Removal of unsafe Buildings in the City	2,39,663	36		
Repayment of Loans Municipal	3,79,93,610	25		
Do. (Impts. Schemes)	26,34,561	49		
Repayment of Loans Impts. Schemes Slum Clearance City	17,259	40		
Do. Suburbs	22,023	34		
Advances to Municipal Officers	2,79,930	00		
Provident Fund	2,42,71,230	64		
Welfare Fund				
Fines Fund	6,917	50		
Fidelity Guarantee Insurance Fund	10,626	99		
Bombay Municipal Corporation Loans Interest Warrants payable Account	85,89,928	53		
City of Bombay Improvement Trust Loans Interest Warrants Payable Account	6,24,557	02		
Dishonoured Cheques	1,34,19,594	59		
Cash Bill out standing Account	1,49,957	64		
Cheques payable	57,64,06,383	04		
Wages Deposit Account	90,37,446	69		
Advances to B.E.S.T.				
Interest on B.I.T. Loans payable account	28,918	96		
Interest accrued but not paid	62,250	00		
Advance for manufacture of concrete Covers and Dadarkar Pattern				
Debt Charges Equalisation Fund	6,49,796	56		
Interest Receivable Account	3,45,000	00		
Municipal Power Laundry	5,02,273	03		
Reinstatement of Trenches	25,33,938	02		
Pension fund	1,06,34,038	62		
Gratuities fund	28,22,762	55		
Amount transferred to D.A. (Sub.)	2,29,55,593	00		
Security Deposit in the C. R. Rly. L.D.G.S. New Delhi			93,50,30,065	38
Total Expenditure—Suspense Accounts			1,33,35,23,953	04

APPENDIX No. 15
(Suburbs)

Statement showing the Amounts of the Receipts and Expenditure respectively credited and debited to the Municipal Fund during the year 1967-68 and the Balance at the credit of the Fund at the close of the year 1967-68 i.e., 31st March 1968).

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT.				
1.—General Tax, Indirect Taxation and Miscellaneous Revenue—				
A.—General Tax (I) From the Public	2,91,18,528	14		
C.—Other receipts—				
(b)—Grants-in-aid in respect of fines for offences against the law	2,11,784	00		
(c)—Interest and profit on Investment of Surplus Loans and other balances	3,79,571	14		
(e)—Miscellaneous	1,26,313	98		
D.—Receipts on account of Proportional cost of Collection of Education cess	52,060	87		
E.—Rebate from Govt. on account of collection of Education cess etc.	83,145	35		
			2,99,71,403	48
2. Water Works—Water Tax and other Miscellaneous Water Works Revenue	...		1,91,36,145	71
4. Free Reading Rooms & Libraries and Municipal High Schools	...		68,704	36
5. Public Health Department	...		2,29,396	19
6. Medical Relief and Education	...		31,999	49
7.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—				
A.—Halalkhore Tax	42,44,281	36		
B.—Other receipts	1,34,192	94		
C.—Tax on Dogs	14,055	00		
D.—Veterinary Department Fees	2,845	70	43,95,375	00
8. Roads, Storm water Drains and Public Lighting				
A.—Wheel Tax } from Government in lieu of Tolls	12,96,019	37		
B.—Contribution }	16,673	00		
C.—Other receipts	3,19,004	87		
D.—Ferry Receipts	2,000	00	16,33,697	24
9. Mechanical	...		28,641	31
10. Buildings, Land Acquisition and Management—				
A.—Sale Proceeds of Surplus Land	5,37,732	82		
B.—Other Receipts	...			
(a)—Rent of Bldgs.	25,063	47		
(b)—Ground Rent	3,762	77		
(e)—Miscellaneous Receipts	2,54,167	20	8,20,726	26
11. Fire Brigade—				
A.—Fire Tax	9,32,744	94		
B.—Other Receipts	9,566	96		
			9,42,311	90
12. Licensing, Removal of Encroachments on Public Streets and Administration of Shops and Establishment Act, 1948 and Theatre Tax—				
A.—Licences for Dangerous and Offensive Trades	11,67,789	50		
B.—Removal of Encroachments on Public Streets, Licences for squatters and Hawkers and fees for removal of encroachments	4,07,662	75		
C.—Grants-in-aid from Government for the Administration of Shops and Establishment Act, 1948	41,214	23		
D.—Miscellaneous	2,58,409	81		
E.—Receipts from Theatre Tax	2,11,071	80		
			20,86,148	09
13. Gardens and Open Spaces	...		22,036	27
14. Markets and Slaughter Houses	...		13,72,994	79
15. Contribution from Capital Funds to Revenue on account of Loan Works Staff	...		5,69,162	86
16. Rebate from Government on account of Collection of the Urban Immoveable Property Tax in the Suburbs	...		...
17. Grants-in-aid from Government	...		...
18. Share from Budget 'A' for Town Duties under Section 123(B)2	...		...
19. Receipts from Government on account of U.I.P. Tax	...		34,168	78
Total—Revenue Receipts	...		6,13,42,911	73

APPENDIX NO. 15—(Contd.)
(Suburbs)

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—B.—CAPITAL ACCOUNT.				
Capital Receipts—	...			
Debt Principal	...			
New Loan 1967-68	95,00,000	00		
Trust Funds	...			
Contribution from Govt. equal to 1/3rd of the Exp. etc.	...			
Contribution from Hospital Fund of Budget 'A'	...			
Total—Capital Account Receipts			95,00,000	00
RECEIPTS—C.—SUSPENSE ACCOUNT				
I.—Sinking and Special Fund Accounts—				
Sinking and Special Fund Accounts	97,12,085	62		
Loan Redemption Fund	50,19,300	00		
			1,47,31,385	62
II.—Paper and Cash Accounts—				
(1) Sinking Funds	61,40,397	69		
(2) Special Funds		3,877		13
(3) Surplus Funds	1,00,15,383	73		
(4) Loan Funds		8		57
State Bank of India and Other Local Banks on account of Sundry Deposits	1,14,92,170	11		
			2,76,51,837	23
III.—Suspense Accounts—				
Deposit Account	2,15,37,366	30		
Advances for demolition of unauthorised structures and for removal of unsafe buildings in the suburbs		683		00
Advances for improvement of Private streets				
Advances for purchase of Petrol	2,80,951	08		
Advances for Departmental Works	28,47,032	03		
Advances for Private Works	3,53,386	26		
Repayment of Municipal Loans (Subs.)	39,000	00		
Advances Sundries, Miscellaneous Advances	66,96,909	29		
Advances cost of Revision of Grades				
Advances Municipal Contractors		808		30
Advances loss or gain due to conversion to Decimal coinage				
Dishonoured Cheques	10,73,090	02		
Advances—Municipal Officers—				
(a) Standing Advances for Contingent Expenses		75		00
(b) Motor Cars and Motor Cycles to Officers		41,263		00
(c) Cycle Advances to Subordinates				
Suspense Account Mechanical Transport	46,03,798	40		
Provident Fund (Suburbs)	29,06,230	41		
Reinstatement of Trenches	34,832	27		
Greater Bombay Suburbs Municipal Corporation Loan				
Interest Warrants Payable Account	37,91,482	46		
Interest accrued but not paid	1,66,093	75		
Cash Bills Outstanding Account	Dr 1,63,219	81		
Cheques Payable	11,63,36,116	17		
Plant and Machinery to be purchased out of S. C. B.				
Amount transferred from Municipal General Fund	2,13,15,518	77		
Wages Deposit Account	17,45,510	42		
Advance out of Surplus Cash Balance for financing the expenditure on Capital Works Loan Funds			18,36,15,927	12
Total.—Suspense Account Receipts—I, II, III.			22,59,99,149	97
EXPENDITURE—A.—REVENUE ACCOUNT.				
I.—General Supervision; Collection of Revenue, etc.—				
A.—General Superintendence—				
(b) Chief Auditor's Establishment	1,42,697	00		
(c) Municipal Commissioner's Office	1,44,590	57		
(d) Audit and Accounts Establishment	5,35,164	66		
(e) Labour Officer's Establishment	21,699	65		
(f) Municipal Open Air Theatre at Bandra				
(h) Public Relations Department	35,244	45		
(k) Chief Complaint Officers Establishment	52,930	24		
B.—Collection of Revenue—(a) Property and Wheel Tax Establishment	16,86,301	26		
C.—Upkeep and guarding of Municipal Offices	2,26,226	16		
E.—Legal Deptt.	35,511	10		
F.—Miscellaneous Charges	3,034	80		
H.—P. F. Charges	79,006	30		
I.—Debt Charges	2,10,911	86		
Deduct Proportion of Gen. Sup't. etc.	11,90,721	19		
			19,82,596	86
Carried forward			19,82,596	86

APPENDIX No. 15—(Contd.)
(Suburbs)

	Details.		Total.	
	Rs.	P.	Rs.	P.
			19,82,596	86
EXPENDITURE—A.—REVENUE ACCOUNT—(Contd.)				
Brought over ...				
II.—Water Works—				
A.—Maintenance ...	1,27,27,839	39		
C.—P. F. Charges ...	39,672	99		
D.—Pension Gratuities etc. and Compassionate allowances				
(a) Pension Funds ...	2,06,995	15		
(b) Gratuities Funds ...	15,000	00		
E.—Proportion of General Suptd. & Collection of Revenue..	6,84,642	99		
F.—Debt Charges ...	35,60,567	34		
			1,72,34,717	86
IV.—Free Reading Rooms & Libraries and Municipal High Schools			48,644	70
V.—Public Health Department—				
A.—General Superintendence ...	25,39,857	14		
B.—Supply of Milk and Snacks to undernourished needy children attending Municipal Schools. ...	12,50,630	75		
C.—P. F., Pension etc. ...	33,044	26		
D.—Malaria Eradication Programme ...	3,50,904	58		
E.—Debt Charges ...	1,41,838	86		
F.—Impounding stray cattle. ...	36,092	19		
VI.—Medical Relief and Education—			43,52,367	78
A.—Hospitals				
(d)(vi) T. B. Clinic at Khar ...	1,50,375	77		
(h) K. B. Bhabha Hospital, and Sir C. J. R. Dispensary, Bandra ...	10,59,629	07		
(i) K. B. Bhabha Hospital, Kurla ...	10,82,660	31		
(j) M. G. H. Rajawadi, Ghatkoper ...	7,90,351	16		
(l) Madco Social Centres ...	37	50		
(m) Reservation of Municipal beds at Smt. B. C. J. Sa.acruz General Hospital ...	56,469	00		
B.—Maternity Homes & Children Welfare Service				
(a) Maternity Home ...	12,48,566	34		
C.—Dispensaries—(a) Dispensaries, for out patients				
(1) Allopathic ...	5,82,503	17		
(c) Municipal Mobile Dispensary at Rajawadi Ghatkoper ...	21,880	36		
(d) Mobile Dispensaries ...	2,34,040	20		
D.—Family Welfare Planning Clinic ...	1,583	29		
E.—Medical and Nursing Assistance to poor people in their houses ...	...		
G.—Clinics for treatment of leprosy cases ...	...		
J.—Debt Charges ...	9,73,859	56		
K.—Grant in aid to Public Institutions ...	24,772	75		
L.—P. F. Pension etc. ...	58,070	95		
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—			62,84,799	43
A.—Street Cleansing and Conservancy ...	8,71,444	84		
B.—Collection, Loading, Removal and Disposal of T. R. ...	31,99,817	63		
C.—Halalkhore Service ...	40,66,541	98		
D.—Provision Fund Charges ...	1,39,931	80		
E.—Pension Gratuities and compassionate Allowances for Halalkhore service ...	3,57,000	00		
F.—Debt Charges ...	36,25,762	62		
H.—Proportionate cost etc. ...	1,73,526	20		
VIII.—Roads, S.W. Drains and Public lighting			1,27,34,025	07
A.—General ...	7,69,071	41		
B.—Maintenance of Roads ...	74,23,082	03		
C.—Public Lighting ...	15,02,895	02		
D.—Maintenance of S. W. Drains ...	2,52,337	70		
F.—P. F. Pension etc. ...	48,463	07		
G.—Debt Charges ...	36,14,905	33		
H.—Proportionate cost etc. ...	86,768	11		
I.—Unkeep of Ferry Boats ...	...		
J.—Depreciation on Plant and Machinery ...	...		
IX.—Mechanical			1,36,97,522	17
A.—Assistant Engineer Transport's Office Establishment ...	1,56,846	06		
B.—Maintenance of electric Installation.— ...	90,956	96		
C.—P. F. & Pension etc. ...	5,714	57		
D.—Debt Charges ...	65	06		
			2,33,582	65
X.—Buildings, Land Acquisition and Management—				
A.—Deputy City Engineer (Sub)'s Office Establishment ...	8,01,118	16		
B.—Inspection and Supervision of Private Buildings etc. ...	5,01,072	57		
D.—Land Acquisition and Management ...	43,562	95		
E.—Inspection and supervision of factories, workshops and workplaces. ...	62,965	90		
F.—P. F. Pension etc. ...	12,804	00		
G.—20% Proportionate cost on account of staff of etc. ...	...		
H.—Debt Charges ...	9,68,721	52	23,60,185	10
Carried forward ...			5,89,68,411	62

**APPENDIX No. 15—(Contd.)
(Suburbs)**

	Details.		Total.	
	Rs.	P.	Rs.	P.
Brought over ...			5,89,68,441	62
XI.—Fire Brigade—				
A.—Maintenance ...	4,51,359	85		
C.—Pension, Gratuties etc. ...	45,000	00		
D.—Proportionate cost, etc. ...	42,441	67		
E.—Debt Charges ...	1,58,450	89		
			6,97,252	41
XII.—Licensing and Removal of Encroachment on Public Streets				
Administration of Shops and Establishment Act, 1948				
Administration of Theatre Tax and Parking Grounds—				
A.—Licensing Establishment ...	4,05,925	28		
B.—Removal of Encroachments on Public Streets ...	1,59,073	80		
C.—Administration of Shops and Establishment Act, 1948 ...	1,16,295	21		
D.—Administration of Theatre Tax ...	...	...
E.—P. F. Pension, etc. ...	30,301	00		
			7,11,595	29
XIII.—Gardens and Open Spaces—				
A.—Maintenance ...	4,78,189	50		
B.—New Gardens, Recreation Grounds etc. ...	14,571	82		
C.—Roadside Trees ...	49,333	98		
D.—Open Air Theaters ...	26,487	39		
E.—P. F., Pension etc. ...	1,663	00		
F.—Debt charges ...	1,56,548	86		
			7,26,794	55
XIV.—Markets and Slaughter Houses—				
A.—Markets & Slaughter Houses ...	6,25,637	40		
B.—P. F. Charges etc. ...	11,164	00		
C.—Pension, Gratuties etc. ...	46,000	00		
D.—Proportion of Gen. Suptd. ...	29,336	06		
E.—Debt Charges ...	2,32,094	84		
			9,44,232	30
XV.—Contribution to—				
(a) Budget 'B' under Section 125 (2) (d) of the Bombay Municipal Corporation Act ...	22,24,130	00		
(b) Budget 'E' under Section 126(c) of the Bombay Municipal Corporation Act ...	55,60,320	00		
(bb) Special Contribution to Budget 'E' subject to proposed amendment to Section 126(c) to Bombay Municipal Corporation Act ...	...	...
(3) Contribution to Budget A towards Fire & Accident Insurance Fund ...	...	...	77,84,450	00
			11,10,160	00
XVI.—Miscellaneous				
XVII.—Measures for Civic Defence				
Total.—Expenditure—A.—Revenue Account			7,09,42,926	17
EXPENDITURE—B.—CAPITAL ACCOUNT.				
I.—General Supervision Collection of Revenue, etc. ...	81,033	67		
II.—Water Works ...	24,26,842	64		
III.—Education—Primary ...	...	...
IV.—Free Reading Rooms & Libraries & Municipal High Schools ...	826	86		
V.—Public Health Department ...	1,24,032	34		
VI.—Medical Relief and Education ...	25,51,359	44		
VII.—Street Cleansing and Conservancy ...	15,10,229	53		
VIII.—Roads, Sewer Drains and Public lighting ...	1,46,52,017	60		
IX.—Mechanical ...	...	...
X.—Buildings, Land Acquisition and Management ...	13,99,420	74		
XI.—Fire Brigade ...	...	...
XIII.—Gardens, Recreation Centres and Open Spaces ...	70,922	63		
XIV.—Markets and Slaughter Houses ...	1,36,051	98		
XV.—Village Amenities ...	2,66,129	32		
XVI.—Industrial Estates ...	...	...
Advances for purchase of Plant and Machinery ...	65,130	50		
Discount and other charges ...	...	...
Assets written off ...	...	...
Trust Fund Expenditure ...	Cr. 1,17,635	00		
Total—Capital Account Expenditure			2,31,66,362	25
EXPENDITURE—C.—SUSPENSE ACCOUNT.				
I.—Sinking and Special Fund Accounts—				
Sinking and Special Fund Accounts ...	51,08,923	45		
Loan Redemption Fund ...	39,000	00	51,47,923	45
I.—Paper and Cash Accounts—				
(1) Sinking Funds ...	1,07,39,918	62		
(2) Special Funds ...	7,518	37		
(3) Surplus Funds ...	99,16,537	80		
(4) Loan Funds ...	...	...
State Bank of India and Other Local Banks on account of Sundry Deposits ...	61,14,133	40	2,67,78,108	19
Carried forward ...			3,19,26,031	64

APPENDIX No. 15—(Concluded)
(Suburbs)
SUMMARY

	Details.		Total.	
	Rs.	P.	Rs.	P.
Brought over ...			3,19,26,031	64
EXPENDITURE—C.—SUSPENSE ACCOUNT—(Contd.)				
III.—Suspense Accounts—				
Deposit Account ...	1,78,60,305	02		
Advances for demolition of unauthorised Structures and for removal of unsafe buildings in the Suburbs ...	19,958	69		
Advances for Purchase of Petrol ...	3,44,836	37		
Advances Departmental Works ...	33,00,139	08		
Advances Private Works ...	3,65,403	76		
Advances for Improvement of private streets ...	...	...
Advances—Municipal Contractors ...	184	68		
Advances loss or gain due to Conversion to decimal Coinage ...	...	...
Advances Sundry, Miscellaneous Advances ...	67,75,761	86		
Advances—Cost of Revision of Grades ...	...	...
Dishonoured Cheques ...	10,73,090	02		
Advances to Municipal Officers—				
(a) Standing Advances for Contingent Expenses ...	2,025	00		
(b) Motor Cars and Motor Cycles to Officers ...	70,349	17		
(c) Cycle Advances to Subordinates ...	...	...
Suspense Account Mechanical Transport ...	29,29,711	60		
Provident Fund—Suburbs ...	29,06,220	41		
Repayment of Municipal Loan (Subs.) ...	50,19,300	00		
Reinstatement of Trenches ...	71,6.6	05		
Greater Bombay Municipal Corporation Loan Interest warrant payable Account ...	37,68,690	96		
Cheques Payable ...	11,23,82,522	76		
Cash Bills Outstanding Account ...	13,112	50		
Wages Deposit Account ...	17,45,510	42		
Advances from S. C. B. for financing the expenditure on Capital Works ...	...	...
Interest accrued but not paid ...	8,333	34		
Amount transferred from Municipal General Fund ...	1,36,67,762	89		
Total, III.—Suspense Account Expenditure ...			17,23,24,854	58
Total I, II & III. ...			20,42,50,886	22

SUMMARY.

Receipts.				Disbursements.	
Rs.	P.	Rs.	P.	Rs.	P.
		55,27,443	95	Balance on 1st April 1967	...
6,13,42,911	73			A.—Revenue Account ..	7,09,42,926 17
95,00,000	00			B.—Capital Account ..	2,31,66,362 25
22,59,99,149	97			C.—Suspense Account ..	20,42,50,886 22
		29,68,42,061	70	* Balance on 31st March 1968	...
		30,23,69,505	65		29,83,60,174 64
					41,09,331 01
					30,33,69,505 65
Bank's Reconciliation—				Rs.	P.
Balance as per Bank's Pass Books ...				59,57,112	55
Add—					
Revenue sent to the Bank on 31st March 1968 but acknowledged on 1st April 1968 ...				4,97,265	90
Less—					
Uncashed Cheques ...					98,59,374 34
Balance in Bank as per Day Book (Column No. 10) ..					Dr. 34,04,995 89
Balance in Office in Government Promissory Notes, etc. ..					
Balance in Office in Cash ...				1,25,800	00
Collection held in Office Treasury ...				72,88,526	90
					74,14,326 90
					40,09,331 01

APPENDIX No. 15

(Extended Suburbs.)

Statement showing the Amounts of the Receipts and Expenditure respectively credited and debited to the Municipal Fund during the year 1967-68 and the Balance at the credit of the Fund at the close of the year, 1967-68 (i.e., 31st March 1968).

	Details.		Total.
	Rs.	P.	Rs. P.
RECEIPTS—A.—REVENUE ACCOUNT.			
1.—General Tax, Indirect Taxation and Miscellaneous Revenue—			
A.—General Tax :—(1) From the Public ...	83,40,747.96		
C.—Other Receipts			
(b)—Grants-in-aid in respect of fines for offences against the law ...	74,855.20		
(c)—Interest and profit on Investment of Surplus Loans and other balances ...	4,43,358.93		
(e)—Miscellaneous ...	39,580.69		
D.—Receipt on account of proportionate Cost. of Collection of Education cess. ...	18,081.99		
E.—Rebate from Government on account of Collection of Education cess ...	9,099.60		
			89,28,723.77
2. Water Works—Water Tax and other Miscellaneous Water Works Revenue ...			35,49,480.44
4. Free Reading Rooms and Libraries & Municipal High Schools ...			86,383.62
5. Public Health Department ...			70,726.50
6. Medical Relief and Education ...			11,123.15
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service—			
A.—Halalkhore Tax ...	12,27,338.40		
B.—Other Receipts ...	45,370.83		
C.—Tax on dogs ...	2,715.00		
			12,75,424.23
8. Roads, S.W. Drains and Public Lighting—			
A.—Wheel Tax ...	2,42,786.85		
B.—Contribution from Government in Lieu of Tolls ...	3,964.00		
C.—Other Receipts ...	53,626.36		
D.—Ferry Receipts ...	4,406.00		
			3,09,183.21
9. Mechanical ...			
10. Buildings, Land Acquisition and Management—			
A.—Sale proceeds of Land ...			
B.—Other Receipts			
(a) Rent of Buildings ...	13,228.49		
(b) Ground Rent ...	27,760.88		
(c) Miscellaneous Receipts ...	1,89,988.25		
			2,30,977.62
11.—Fire Brigade—			
A.—Fire Tax ...	3,57,069.01		
B.—Other Receipts ...	87.50		
			3,57,156.51
12. Licensing, Removal of Encroachments on Public Streets and Administration of Shops and Establishments Act, 1948 and Theatre Tax—			
A.—Licences for Dangerous and Offensive Trades ...	5,19,143.14		
B.—Removal of Encroachments on Public Streets, Licences for squatters and Hawkers and fees for removal of encroachments ...	62,926.47		
C.—Grants-in-aid from Government for the Administration of Shop and Establishment Act, 1948 ...	21,483.00		
D.—Miscellaneous ...	37,233.81		
E.—Receipts from Theatre Tax ...	75,151.90		
			7,15,938.32
13. Gardens and Open Spaces ...			503.16
14. Markets and Slaughter Houses ...			3,88,021.75
15. Contribution from Capital Funds to Revenue on account of Loan Works Staff ...			3,32,179.41
16. Rebate from Government on account of Collection of the Urban Immovable Property Tax in the Suburbs ...			1,876.13
17. Grants-in-aid from Government ...			
19. Receipts from Govt. on a/c. of U. I. P. Tax ...			21,995.00
Total—Revenue Receipts ...			1,62,79,692.82

APPENDIX No. 15—(Contd.)

(Ext. Suburbs.)

	Details.		Total.	
	Rs.	P.	Rs.	P.
RECEIPTS—B.—CAPITAL ACCOUNT.				
Capital Receipts—				
New Loans 1967-68	55,00,000.00			
Trust Funds				
Contribution from Govt. equal to 1/3rd of the Exp. etc.				
Contribution from Hospital Fund of Budget 'A'				
Total—Capital Account Receipts			55,00,000.00	
RECEIPTS—C.—SUSPENSE ACCOUNT.				
I.—Sinking and Special Fund Accounts—				
Sinking Fund Accounts	19,86,615.18			
Special Fund account Provident Fund account—				
Hospital Fund Account :—			19,86,615.18	
II.—Paper and Cash Accounts—				
(1) Sinking Funds	64,973.83			
(2) Special Funds	4,247.01			
(3) Surplus Funds	20,86,308.25			
(4) Loan Funds	31,68,405.62			
(5) State Bank of India and Other Local Banks on account of Sundry Deposits	41,90,902.55		95,14,838.26	
III.—Suspense Accounts—				
Deposit Account	75,97,451.16			
Advances for demolition of unauthorised structures and for removal of unsafe buildings in the suburbs				
Advances for improvement of Private street				
Advances for purchase of Petrol				
Advances for Departmental Works	3,33,785.46			
Advances for Private Works	1,20,559.23			
Standing Advances unpaid Salaries				
Advances Sundries Miscellaneous Advances	38,87,435.28			
Advances cost of Revision of Grades				
Advances Municipal Contractors				
Advances and Suspense Account Sundries, Miscellaneous				
Advances loss or gain due to conversion to Decimal coinage				
Dishonoured Cheques	5,74,921.65			
Advances—Municipal Officers—				
(a) Standing Advances for Contingent Expenses	3,800.61			
(b) Motor Cars and Motor Cycles to Officers	6,553.00			
(c) Cycle advances to Subordinates				
Provident Fund Receivable (Suburbs)	7,05,729.09			
Interest Receivable A/c				
Amount transferred Municipal General Fund	37,39,978.89			
Greater Bombay Suburbs Municipal Corporation Loan Interest Warrant Payable Account	8,32,319.90			
Interest accrued but not paid	1,10,025.00			
Cash Bills Outstanding Account	9,502.78			
Cheques Payable	3,91,99,822.92			
Plant and Machinery to be purchased out of S.C.B.				
Wages Deposit A/c	4,45,721.06			
Advances out of Surplus Cash Balance for financing the expenditure on Capital Works Loan Funds				
Reinstatement of Trenches	43,652.17		6,76,19,295.70	
Total,—Suspense Account Receipts—I, II, III			7,91,20,749.14	
EXPENDITURE—A.—REVENUE ACCOUNT.				
I.—General Supervision, Collection of Revenue, etc.—				
A.—General Supervision—				
(b) Chief Auditor's Establishment	50,331.37			
(c) Municipal Commissioner's Office	35,244.32			
(d) Audit and Accounts	2,10,298.70			
(h) Public Relations Department	1,856.58			
(k) Chief Complaints Officer's Establishment	20,587.00			
B.—Collection of Revenue—(a) Property and Wheel Tax Establishment				
ment	5,86,886.35			
C.—Upkeep of Municipal Central and Ward Offices				
E—Legal Department	71,948.45			
F.—Miscellaneous Charges	42,923.39			
G.—Provident Fund, Pension etc.	6,500.00			
H.—Debt Charges	26,930.00			
	97,031.50			
	11,50,532.66			
Deduct—Proportion of General Suptd. chargeable to	4,34,327.62		7,16,205.04	
Carried forward			7,16,205.04	

APPENDIX No. 15—(Contd.).
(Ext. Suburbs.)

	Details.		Total.	
	Rs.	P.	Rs.	P.
Brought Over ..			7,16,205.04	
EXPENDITURE—A.—REVENUE ACCOUNT—(Contd.)				
II.—Water Works—				
A.—Maintenance ..	22,49,252.33			
C.—Provident Fund Pensions Gratuities, etc. ..		13,834.48		
D.—Pension and Gratuity Fund ..		74,000.00		
E.—Proportionate Cost of Collection of water Tax etc. ..		2,43,050.13		
F.—Debt Charges ..	12,54,526.39		38,34,653.33	
IV.—Free Reading Rooms, Libraries and Municipal High Schools				
A.—Municipal Free Reading Rooms and Libraries ..	22,257.52			
B.—Municipal High Schools ..		...	22,257.52	
C.—Provident Fund. Pension etc. ..		...
V.—Public Health Department—				
A.—General Superintendence ..	8,87,990.94			
B.—Supply of Milk & Snacks etc. ..	1,75,041.46			
C.—Provident Fund, Pension, etc. ..		11,934.00		
D.—Malaria Eradication Programme ..	1,15,560.05			
E.—Debt Charges ..	35,763.00		12,26,289.45	
VI.—Medical Relief and Education—				
A.—Hospitals ..	6,42,881.29			
B.—Maternity Homes ..	5,63,885.18			
C.—Dispensaries ..	3,02,320.03			
D.—Family Welfare Planning Centre ..		...
G.—Clinics for treatment of leprosy cases ..		...
J.—Debt Charges ..	4,17,584.50			
K.—Grant-in-Aid to Public Institutions ..		92,066.75		
L.—Provident Fund etc. ..		11,055.00	20,29,792.75	
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhor Service—				
A.—Street Cleansing and Conservancy ..	4,19,948.53			
B.—Collection Loading removal and disposal of T. R. etc. ..	17,78,136.75			
C.—Halalkhor Service ..	29,09,453.31			
D.—Provident Fund, etc. ..		36,129.07		
E.—Pension Gratuities etc. ..		1,35,600.00		
F.—Debt Charges ..	3,41,743.99		56,22,011.68	
VIII.—Roads, S. W. Drains and Public Lighting—				
A.—General ..	3,97,066.45			
B.—Maintenance of Roads ..	29,75,239.29			
C.—Public Lighting ..	4,64,927.41			
F.—Provident Fund etc. ..		16,639.47		
G.—Debt Charges ..		9,75,461.25		
H.—Proportionate Cost of Collection of Wheel Tax etc. ..		30,136.65		
D.—Maint. of S. W. Drains ..		7,102.67	48,66,603.19	
IX.—Mechanical—				
A.—ME's Office Est. ..		60.00		
B.—Maintenance of Electrical Installations ..		11,557.00		
C.—Provi. en. Fund Pension etc. ..		...
D.—Debt charges ..		...	11,617.00	
X.—Buildings, Land Acquisition and Management—				
A.—City Engineers Central Office Establishment ..	3,22,663.91			
B.—Inspection and Supervision of Private Buildings ..		2,905.82		
E.—Insp. & Sup. of Factories Workshops & Work places ..		33,980.02		
F.—Provident Fund, etc. ..		4,127.00		
G.—Debt Charges ..		89,766.00		
H.—Proportionate cost of the staff etc. ..		6,335.66	4,59,727.41	
XI.—Fire Brigade				
A.—Maintenance ..		13,389.80		
D.—Proportion of Gen. Suptd. & Collection of Revenue ..		16,550.88		
E.—Debt Charges ..		1,17,853.00	1,47,793.68	
XII.—Licensing and Removal of Encroachment on Public Streets Administration of Shops and Establishment Act, 1948 Administration of Theatre Tax and Parking Grounds—				
A.—Licensing Establishment ..		63,925.09		
B.—Removal of Encroachments on Public Streets ..		3,803.36		
C.—Administration of Shops and Establishment Act, 1948 ..		47,743.60		
D.—Administration of Theatre Tax ..		...
E.—Provident Fund, etc. ..		7,348.00		
F.—Debt charges— ..		...	1,50,820.05	
XIII.—Gardens and Open Spaces—				
A.—Maintenance ..		62,313.09		
E.—Provident Fund, etc. ..		761.00		
F.—Debt Charges ..		93,103.09		
C.—Road side Trees ..		10,556.40	1,66,733.40	
Carried forward ..			1,92,54,504.50	

APPENDIX No. 15—(Contd.)
(Ext. Suburbs.)

	Details.		Total.	
	Rs.	P.	Rs.	P.
Brought over ...			1,92,54,504.50	
EXPENDITURE—A.—REVENUE ACCOUNT—(Contd.)				
XIV.—Markets and Slaughter Houses—				
A.—Markets and Slaughter Houses ...	1,78,191.71			
B.—Provident Fund, etc. ...		1,391.00		
C.—Pension Gratuities etc. ...		15,000.00		
D.—Proportion of Gen. Suptd. ...		11,240.65		
H.—Debt. charges ...		1,63,724.24		
			3,69,850.60	
XV.—Contribution to (a) Budget 'B' under Section 125(2)(d) of the Bombay Municipal Corporation Act ...	6,16,690.00			
(d) Budget 'E' under Sec. 126 C(c) of the B.M.C. Act ...	15,57,730.00			
			21,74,420.00	
XVI.—Miscellaneous—				
A.—Provident Fund, Pensions, Gratuities and Compassionate Allowances				
(a) Provident Fund. ...				
(b) Pension ...				
(c) Pension Funds ...	2,97,700.00			
(d) Gratuitis Funds ...		47,040.00		
B.—Village Amenities ...				3,44,740.00
XVII.—Measures for Civil Defence ...				
Total—Expenditure—A.—Revenue Account ..			2,21,43,515.10	
EXPENDITURE—B.—CAPITAL ACCOUNT.				
I.—General Supervision Collection of Revenue, etc. ...	2,28,922.87			
II.—Water Works ...	7,62,011.28			
IV.—Free Reading Room & Libraries ...				
V.—Public Health Department ...	1,63,528.23			
VI.—Medical Relief and Education ...	13,79,936.07			
VII.—Street Cleansing and Conservancy ...	41,64,139.33			
VIII.—Roads, S.W. Drains and Public Lighting ...	85,52,387.41			
IX.—Mechanical ...				
X.—Buildings, Land Acquisition and Management ...	7,79,203.89			
XI.—Fire Brigades ...				
XIII.—Gardens and Open Spaces ...	17,466.39			
XIV.—Markets and Slaughter Houses ...	1,83,670.23			
XV.—Village Amenities ...	1,45,001.53			
Advances for purchase of Plant and Machinery ...	Cr. 49,999.46			
Discount and other charges ...				
Assets written off ...				
Trust Fund Expenditure ...				
Total—B—Capital Account Expenditure ..			1,63,26,250.77	
EXPENDITURE—C.—SUSPENSE ACCOUNT.				
I.—Sinking and Special Fund Accounts—				
Sinking and Special Fund Accounts ...	28,100.76			
Loan Redemption Fund ...			28,100.76	
II.—Paper and Cash Accounts—				
(1) Sinking Funds ...	20,23,488.25			
(2) Special Funds ...	4,247.01			
(3) Surplus Funds ...	52,36,407.44			
(4) Loan Funds ...				
(5) State Bank of India and Other Local Banks on account of Sundry Deposit. ...	37,69,750.00		1,10,33,892.70	
Carried forward .			1,10,61,993.46	

Appendix No. 22

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1968

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue expenditure as per Appendix No. 24 ...	2,20,91,668	By Revenue Receipts as per Appendix No. 23 ...	2,00,24,795
		Balance being deficit transferred to Capital Account Balance Sheet ...	20,66,873
Total ...	2,20,91,668	Total ...	2,20,91,668

APPENDIX No. 22A

Improvement Scheme Account—Slum Clearance Account—City
General Account for the year ending 31st March 1968.

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per appendix 24A	25,81,843	By Revenue Receipts under (i) Rent and other proceeds of properties ...	13,26,871
		(ii) Interest and Profits on Investments ...	3,04,375
		(iii) Miscellaneous Receipts ...	...
		Balance being Deficit transferred to Capital Account Balance Sheet ...	16,31,246
Total ...	25,81,843	Total ...	25,81,843

APPENDIX No. 22 B

Improvement Schemes Account—Slum Clearance Account—Suburbs
General Account for the year ending 31st March 1968.

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per appendix 24B	11,42,060	By Revenue receipts under (i) Rent and other proceeds of properties ...	1,37,580
		(ii) Contribution from Budget—D ...	...
		(iii) Interest & Profits on Investments ...	1,19,095
		Balance being Deficit for the year transferred to Capital Account Balance Sheet ...	2,56,675
Total ...	11,42,060	Total ...	8,85,385
		Total ...	11,42,060

Appendix No. 25A.

IMPROVEMENTS SCHEMES

Slum Clearance City

Balance Sheet Capital Account as on 31st March 1968.

LIABILITIES		Rs.	P.	ASSETS.				Rs.	P.
LOAN OUTSTANDING—				BLOCK ACCOUNT—					
(Vide details as shown in Appendix No. 29A)		2,59,51,277.26		Property and Assets at original cost as per Appendix No. 26A				2,61,34,405.29	
Subsidy from Government ...		81,81,089.00		Sinking Fund as per Appendix No. 28A				29,37,947.40	
Sale proceeds upto 31st March 1968 ...		32,696.68		CAPITAL FUNDS—					
Sinking Fund on Loans ...		29,37,947.40		In Securities. Face Value Rate. Actual Cost.					
Loan Redemption Fund ...		49,557.74							
			3,71,52,568.68						
Deduct—		Rs.	P.						
Deficit upto 31st March 1967		35,32,013.75		6 per cent Municipal Debenture ... 35,97,600 Par				35,97,600.00	
Add—Deficit during the year		9,50,596.64		In Cash call and fixed deposits.				5.00	35,97,605.00
Total Rs. ...		3,26,69,957.69		Total Rs. ...				3,26,69,957.69	

Appendix No. 25 B.

IMPROVEMENTS SCHEMES

Slum Clearance Suburbs.

Balance sheet Capital Account as on 31st March 1968.

LIABILITIES.		Rs.	P.	ASSETS.				Rs.	P.
Loan outstanding ...		1,96,03,838.46		Block Account Property and Asset at original cost as per Appendix No. 26B				2,79,45,252.46	
Subsidy from Government ...		57,82,779.00		Sinking Fund as per app. 28B				8,14,972.33	
Sinking Fund on loan ...		8,14,972.33		CAPITAL FUND—					
Sale proceeds upto 31st March 1968 ...		82,417.20		In securities—					
Add—				Face Value Rate Actual Cost					
Loan Redemption Fund ...		63,231.54		Rs. Rs. P. Rs. P.					
Surplus upto 31st March 1967		72,33,424.27		6 Per cent Municipal Debenture ... 39,25,000 Par				39,25,000.00	
Less—Deficit during the year ...		8,85,384.74		4½ Per cent Municipal Debenture ... 10,000 Par				10,000.00	
			63,48,039.53	In Cash and fixed deposits				53.2	39,35,053.27
Total Rs. ...		3,26,95,278.06		Total				Rs. ...	3,26,95,273.06

Appendix No. 26

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1968.

Particulars	Total Capital Expenditure upto 31st March 1967.	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968.	Particulars	Total Capital Expenditure upto 31st March 1967	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968.			
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.			
CAPITAL ACCOUNT.				Brought over				25,78,39,854	68,18,760	26,46,58,614
Improvement and Street Schemes.				Acquisition of Land in survey No. 129, Hissal, Squatters Nos 130-136 of Eksar Pahad for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes				94,149	...	94,149
Schedule W Lands	13,45,571	...	13,45,571	Acquisition of land bearing C.S. No. 1325 (Part) and 1/325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme				1,00,029	...	1,00,029
Schedule X Lands	16,26,471	...	16,26,471	Acquisition of land at Poisar and Kandivli in Survey No. 94 and 95 (Part) of Poisar Survey Nos. 126, 128 and 129 (Part) of Kandivli				3,51,977	...	3,51,977
Schedule Z Lands	8	...	8	Taking over explosion victim tenements S. P. Sheds at Shantinagar Arthur Road, etc.				4,84,801	...	4,84,801
Scheme No.				Police Accommodation Schemes.				25,83,70,81	68,18,760	26,56,89,570
1 First Nagpada	29,16,099	...	29,16,099	Scheme No.				...	...	...
2 Princess Street	85,08,865	...	85,08,865	14 First Nagpada	84,450	...	84,450	...	84,450	
3 Sandhurst Road	1,16,02,375	...	1,16,02,375	16 Wodehouse Road	3,22,667	...	3,22,667	...	3,22,667	
4 Gamdevi	22,88,002	...	22,88,002	17 Duncan Road	58,981	...	58,981	...	58,981	
5 Dadar-Matunga	1,00,53,384	2,53,944	1,00,53,384	18 Shepherd Road	36,223	...	36,223	...	36,223	
6 Sion-Matunga	1,84,5,789	...	1,84,5,789	19 Agripada	1,79,120	...	1,79,120	...	1,79,120	
7 Colaba Reclamation	4,78,538	...	4,78,538	23 Connaught Road	79,495	...	79,495	...	79,495	
8 Mandvi-Koliwada	26,52,501	...	26,52,501	24 Princess Street	2,65,953	...	2,65,953	...	2,65,953	
11 Agripada	3,127	...	3,127	25 Gamdevi	1,29,407	...	1,29,407	...	1,29,407	
13 Souther Street Extension East-wards	68,102	...	68,102	34 Lamington Road	4,61,024	...	4,61,024	...	4,61,024	
27 Mathew Road	14,11,129	...	14,11,129	35 Sandhurst Road West	1,46,104	...	1,46,104	...	1,46,104	
29 Nowroji Hill	86,57,482	...	86,57,482	39 Sandhurst Road East	7,58,893	...	7,58,893	...	7,58,893	
30 Souther Street Extension West-wards	1,30,512	...	1,30,512	40 Byculla	8,28,411	...	8,28,411	...	8,28,411	
31 Parel Superibaug Estate	91,42,350	...	91,42,350	44 Maharbaudi	2,71,434	...	2,71,434	...	2,71,434	
32 East Agripada	50,59,050	...	50,59,050	45 Palton Road	5,71,492	...	5,71,492	...	5,71,492	
33 Bhatwadi	3,28,433	...	3,28,433	46 Naigaum	5,69,142	...	5,69,142	...	5,69,142	
36 Lamington Road	2,91,191	...	2,91,191	48 Mahim	4,53,032	...	4,53,032	...	4,53,032	
37 Sydenham Road	1,40,51,180	...	1,40,51,180	55 Chinchbunder Road	4,32,656	...	4,32,656	...	4,32,656	
41 Undria Street	5,72,800	...	5,72,800	55A Mazagaon	4,53,560	...	4,53,560	...	4,53,560	
43 Parel Road Central	38,97,348	...	38,97,348	63 King's Circle (Matunga)	4,82,185	...	4,82,185	...	4,82,185	
47 Parel Road Northern	52,96,220	...	52,96,220	67 Naigaum (for Armed Police and Recruits)	24,42,031	...	24,42,031	...	24,42,031	
49 Nepean Sea Road Reclamation	3,053	...	3,053	70 Arthur Road	1,58,357	...	1,58,357	...	1,58,357	
50 Mazagaon Street	33,87,034	6,16,733	4,03,737	Mill Company's Chowli Schemes				91,84,617	...	91,84,617
52 Worli Street	2,72,26,640	5,455	2,72,32,095	Scheme No.				...	...	...
53 Feras Road	36,82,045	...	36,82,045	42 Spring Mills	5,18,990	...	5,18,990	...	5,18,990	
54 Kolhatwadi	21,79,254	...	21,79,254	51 Century Mills	1,29,980	...	1,29,980	...	1,29,980	
55 Bellasis Road	18,530	...	18,530	65 David Mills	2,96,852	...	2,96,852	...	2,96,852	
56 Dharavi Street	1,16,5,512	...	1,16,5,512	Slum Clearance.				9,45,822	...	9,45,822
57 Sewri-Wadala	3,52,8,145	78,497	3,53,6,642	Preliminary Expenses				22,481	...	22,481
58 Worli-Extension	1,11,06,62	14,19,619	1,25,25,781	transit Camps for providing alternative housing accommodation to facilitate Slum Clearance—				...	...	...
59 Sewri-Koliwada	5,72,556	1,2,162	5,74,718	(i) Construction of 244 tenements, etc.	2,58,843	...	2,58,843	...	2,58,843	
60 Naigaum Street	76,04,597	11,738	76,6,335	(ii) Construction of 210 tenements, etc.	1,81,987	...	1,81,987	...	1,81,987	
61 Fergusson Road	15,68,030	...	15,68,030	Carried forward				4,63,311	...	4,63,311
62 Love Lane	16,18,731	...	16,18,731	Carried forward				6,94,45,60	68,18,760	7,62,83,320
66 Mahalaxmi	4,86,705	...	4,86,705	Carried forward				...	...	...
69 Widening of Byculla Bridge	7,20,290	...	7,20,290	Carried forward				...	...	...
71 Chaupati Street	24,085	...	24,085	Carried forward				...	...	...
East Chaupati Estate	1,889	...	1,889	Carried forward				...	...	...
Lump Provision for granting loans to erect buildings on Imp. Scheme lands as provided under Section 354W of the Municipal Act	4,380	...	4,380	Carried forward				...	...	...
72 Tripartite Road	25,687	Cr. 1,118	24,569	Carried forward				...	...	...
73 Palton Road	2,26,684	...	2,26,684	Carried forward				...	...	...
74 Sion Over ridge	10,37,510	...	10,37,510	Carried forward				...	...	...
Lump Provision for Acquisition in all Schemes	92,457	...	92,457	Carried forward				...	...	...
Lump provision for Housing Accommodation for poorer classes including provision for acquisition.	6,136	...	6,136	Carried forward				...	...	...
Housing of squatters on land Near Mankhurd Railway Station	8,38,300	...	8,38,300	Carried forward				...	...	...
Housing of squatters on land near Jogeshwari	5,16,972	39,558	5,56,530	Carried forward				...	...	...
76 Lohar Chawl Gully	3,24,612	...	3,24,612	Carried forward				...	...	...
77 Housing Accommodation - For Fishermen at Mahim Causeway	459	...	459	Carried forward				...	...	...
Housing of Squatters-Acquisition	27,181	...	27,181	Carried forward				...	...	...
Housing of Squatters at Vikhroli	4,94,668	1,08,881	6,03,549	Carried forward				...	...	...
Construction of Dormitories	151	...	151	Carried forward				...	...	...
Construction of Dormitories	6,92,736	...	6,92,736	Carried forward				...	...	...
Carried forward	25,78,39,854	68,18,760	26,46,58,614	Carried forward				...	...	...

Appendix No. 26—Concl'd.

Particulars.	Total Capital Expenditure upto 31st March, 1967	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968	Particulars	Total Capital Expenditure upto 31st March 1967.	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	26,94,64,500	68,18,760	7,62,83,320	Brought over ...	27,34,01,222	68,18,760	7,71,58,882
Miscellaneous.				Discount on Loans ...	14,53,359	...	14,53,359
Survey of the Island of Bombay...	1,06,046	...	1,06,046	Expenses in connection with the Loan of Rs. 10 lakhs ...	12,227	...	12,227
Administrative Offices, etc.— Building on Esplanade Road near Queen's Statue ...	3,21,562	...	3,21,562	Expenses in connection with the repayment of Rs. 25 Lakhs Loan ...	19,504	...	19,504
Engineer's Office at Matunga ...	1,38,468	...	1,38,468	Expenses in connection with the loan raised in 1957-58 ...	62,048	...	62,048
Central Stores at the back of Frere Fletcher School ...	15,656	...	15,656	Repayment of Rs. 40 lakhs loan of 1919 ...	26,83,469	...	26,83,469
Store yard at Agripada, etc. ...	83,801	...	83,801	Part payment of Rs. 25 Lakhs loan of 1926 ...	19,08,494	...	19,08,494
Workshop for Motor Lorries at Agripada ...	90,368	...	90,368		61,39,101	...	61,39,101
Tools and Plant ...	559	...	559				
Refund to preliminary expenses to Government ..	38,019	...	38,019				
Preliminary expenses in connection with the Improvements of slum areas ..	68,816	...	68,816				
Provision of lift in the Improvement Trust Building at Napier Road near Queen's Statue ...	12,267	...	12,267				
	8,75,562	...	8,75,562				
Carried forward ...	27,03,40,122	68,18,760	27,71,58,882	Grand Total ..	27,64,79,223	68,18,760	27,32,97,983

* This figure includes Rs. 5,66,763 being the share of cost of Management and Establishment chargeable to Capital Account.

APPENDIX No. 26A.

Improvement Schemes—Slum Clearance—City.

Block account showing details of Capital Expenditure upto 31st March 1968.

Particulars.	Total Capital Expenditure from 1st April 1956 up to 31st March 1968.	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968.
	Rs.	Rs.	Rs.
A.—Works to be carried out from Municipal Fund ...			
Acquisition of land within, adjoining or surrounded by clearance Areas for housing or other development works ...	10,40,920	6,323	10,47,243
Transit Camps for providing temporary alternative housing accommodation to facilitate Slum Clearance ...	5,33,767	..	5,33,767
Permanent Housing for Slum Population ...	13,49,576	4,683	13,54,259
Providing Sewerage arrangement in Kamathipura Area ...	1,71,857	..	1,71,857
Discount and other charges on the loan of Rs.10 lakhs raised in 1956-57 ...	10,108	..	10,108
Discount and other charges on the loan of 20 lakhs raised in 1957-58 ...	45,160	..	45,160
Do. on the loan of Rs. 10 lakhs raised in 1958-59 ...	17,721	..	17,721
Miscellaneous expenses including Preliminary expenses (Staff and contingencies in connection with Slum Clearance) ...	10,96,753	9,96,641	20,93,399
Total A—Works to be carried out from Municipal Fund ...	42,65,867	10,07,647	52,73,514
B.—Works to be carried out with the Government Aid.			
Acquisition of land within, adjoining or surrounded by Clearance Areas for rehousing or other development works ...	17,35,417	1,00,000	18,35,417
Permanent Housing for Slum Population ...	1,76,31,569	13,93,905	1,90,25,474
Total, B—Works to be carried out with the Government Aid ...	1,93,66,986	14,93,905	2,03,60,891
Grand Total ...	2,36,32,853	25,01,552	* 2,61,34,405

* Previous expenditure amounting to Rs. 4,63,311 upto 31st March 1966 is shown in Appendix No. 26.

APPENDIX No. 26B.

Improvement Schemes—Slum Clearance—Suburbs.

Block account showing details of Capital Expenditure upto 31st March 1968.

Particulars.	Total Capital Expenditure up to 31st March 1967.	Expenditure during 1967-68.	Total Capital Expenditure upto 31st March 1968.
	Rs.	Rs.	Rs.
Slum Clearance—Suburbs.			
A.—Works to be carried out from Municipal Fund.			
Preliminary Expenses (Staff and Contingencies) ...	1,19,37,564	28,58,299	1,47,95,863
Total A—Works to be carried out from Municipal Fund ...	1,19,37,564	28,58,299	1,47,95,863
B.—Works to be carried out with the Govt. Aid.			
(b) Chawl and S.P. Chawls. ...	1,30,56,846	92,541	1,31,49,387
Total, B—Works to be carried out with the Govt. Aid. ...	1,30,56,846	92,541	1,31,49,387
Grand Total ...	2,49,94,410	29,50,840	2,79,45,250

Appendix IMPROVEMENT

Statement showing outstanding Loans of the Bombay Improvement Trust due by the payable for the year 1967-68, the amount paid during the year and the

No. 1	Particulars of Loans: 2	Rate of Interest per Annum. 3	Amount raised. 4		Balance due on 1st April 1967 5		Amount raised in 1967-68. 6		Total 7	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
<i>Loans raised from Government.</i>										
1	Consolidated Loan in respect of Conversion Loan 1937-38, Rs. 35 lakhs Loan, and Rs. 8 lakhs Loan ...	3.3759 per cent.	4,17,94,173	06	1,99,06,792	78			1,99,06,792	78
2	Rs. 45 lakhs Loan 1922 ...	4½ Do.	45,00,000	00	45,00,000	00			45,00,000	00
3	Rs. 52 lakhs Loan October 1922 ...	4½ Do.	52,00,000	00						
4	Rs. 80 lakhs Loan 22nd January 1923 ...	4½ Do.	80,00,000	00						
5	Rs. 82 lakhs Loan 22nd January 1923 ...	4½ Do.	82,00,000	00	1,72,00,000	00			1,72,00,000	00
6	Rs. 30 lakhs Loan 14th March 1923 ...	4½ Do.	30,00,000	00						
7	Rs. 40 lakhs Loan 2nd November 1923 ...	4½ Do.	40,00,000	00						
8	Rs. 20 lakhs Loan 2nd January 1924 ...	4½ Do.	20,00,000	00	89,00,000	00			89,00,000	00
9	Rs. 29 lakhs Loan 5th March 1924 ...	4½ Do.	29,00,000	00						
10	Rs. 20 lakhs Loan 1st November 1924 ...	4½ Do.	20,00,000	00						
11	Rs. 60 lakhs Loan 10th November 1924 ...	4½ Do.	60,00,000	00	1,00,00,000	00			1,00,00,000	00
12	Rs. 20 lakhs Loan 1st January 1925 ...	4½ Do.	20,00,000	00						
13	Rs. 20 lakhs Loan 2nd October 1925 ...	4½ Do.	20,00,000	00						
14	Rs. 15 lakhs Loan 2nd November 1925 ...	4½ Do.	15,00,000	00	70,00,000	00			70,00,000	00
15	Rs. 35 lakhs Loan 2nd January 1926 ...	4½ Do.	35,00,000	00						
	Total loans raised from Government ...		8,91,91,173	06	6,75,06,792	78			6,75,06,792	78
<i>Loans raised from the Public.*</i>										
1	Rs. 10 lakhs Rupee Goupon Debenture Loan 1899 ...		50,00,000	00						
2	Rs. 30 lakhs Loan 1901 ...	4 per cent.	30,00,000	00	15,500	00			15,500	00
3	Rs. 30 lakhs Loan 1902 ...	4 Do.	30,00,000	00	12,500	00			12,500	00
4	Rs. 60 lakhs Loan 1903 ...	4 Do.	60,00,000	00	12,500	00			12,500	00
5	Rs. 50 lakhs Loan 1904 ...	4 Do.	50,00,000	00	58,000	00			58,000	00
6	Rs. 30 lakhs Loan 1905 ...	4 Do.	30,00,000	00	22,000	00			22,000	00
7	Rs. 20 lakhs Loan 1906 ...	4 Do.	20,00,000	00	48,500	00			48,500	00
8	Rs. 15 lakhs Loan 1907 ...	4 Do.	15,00,000	00	15,00,000	00			15,00,000	00
9	Rs. 30 lakhs Loan 1908 ...	4 Do.	30,00,000	00	30,00,000	00			30,00,000	00
10	Rs. Sterling Coupon Debenture Loan 1909 (£ 5,66,600) ...	4 Do.	84,99,000	00	81,99,000	00			84,99,000	00
11	Rs. Sterling Coupon Debenture Loan 1910 (£ 3,33,000) ...	4 Do.	49,95,000	00	49,95,000	00			49,95,000	00
12	Rs. 25 lakhs Loan 1912 ...	4 Do.	25,00,000	00	25,00,000	00			25,00,000	00
13	Rs. 18 lakhs Loan 1913 ...	4 Do.	18,00,000	00	18,00,000	00			18,00,000	00
14	Rs. 50 lakhs Loan 1914 ...	4 Do.	50,00,000	00	50,00,000	00			50,00,000	00
15	Rs. 25 lakhs Loan 1916 ...	4 Do.	25,00,000	00	25,00,000	00			25,00,000	00
16	Rs. 40 lakhs Loan 1919 ...	5 Do.	40,00,000	00						
17	Rs. 70 lakhs Loan 1920 ...	6 Do.	70,00,000	00	66,00,000	00			66,00,000	00
18	Rs. 25 lakhs Loan 1927 ...	4 Do.	25,00,000	00	25,00,000	00			25,00,000	00
19	Rs. 19,28 lakhs Loan out of Rs. 19,39 lakhs Loan (1956-57) ...	4 Do.	19,28,000	00	19,28,000	00			19,28,000	00
20	Rs. 27,38,500 Loan 1957-58 ...	4½ Do.	27,38,500	00	27,38,500	00			27,38,500	00
21	Rs. 50 lakhs Loan 1959-60 ...	4 Do.	50,00,000	00	50,00,000	00			50,00,000	00
22	Rs. 70 lakhs Loan 1960-61 out of Rs. 1 Crore Loan 1960-61 ...	4½ Do.	70,00,000	00	70,00,000	00			70,00,000	00
23	Rs. 50 lakhs loan 1961-62 ...	4½ Do.	50,00,000	00	50,00,000	00			50,00,000	00
24	Rs. 100 lakhs loan 1962-63 ...	4½ Do.	1,00,00,000	00	1,00,00,000	00			1,00,00,000	00
25	Rs. 50 lakhs loan 1963-64 ...	4½ Do.	50,00,000	00	50,00,000	00			50,00,000	00
26	Rs. 100 lakhs loan 1965-66 ...	6 Do.	1,00,00,000	00	1,00,00,000	00			1,00,00,000	00
27	Rs. 50 lakhs Loan 1966-67 ...	6 Do.	50,00,000	00	50,00,000	00			50,00,000	00
28	Rs. 50 lakhs Loan 1967-68 ...	6 Do.					50,00,000	00	50,00,000	00
	Total Loans raised from the Public ...		12,13,60,500	00	9,07,29,500	00	50,00,000	00	9,57,29,500	00
	Grand Total ...		21,13,54,673	06	15,82,36,292	78	50,00,000	00	13,32,36,292	78

* Loans at serial Nos. 1 to 18 are guaranteed by Government under Section 103 of the Govt. of India Act 1935. (Section 110 F of the B.M.C. Act.).

† Debentures for Rs. 41 lacs held by the Public were repaid on 1st April 1935 under the option reserved in the Debentures

No. 29.

SCHEMES.

Municipality, the interest outstanding on 1st April 1967, on the different Loans, the amount Balances outstanding on 31st March 1968.

Amount repaid in 1967-68.		Balance due on 31st March 1968.		Interest outstanding on 1st April 1967.		Interest payable in 1967-68.		Total interest due.		Deduct-interest paid during the year.		Outstanding balance on 31st March 1968.	
8		9		10		11		12		13		14	
Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
11,33,561	49	1,87,73,231	29			6,62,546	51	6,62,546	51	6,62,546	51	...	...
...	...	45,00,000	00			2,02,500	00	2,02,500	00	2,02,500	00	...	...
...	...	1,72,00,000	00			7,74,000	00	7,74,000	00	7,74,000	00	...	...
...	...	89,00,000	00			4,00,500	00	4,00,500	00	4,00,500	00	...	...
...	...	1,00,00,000	00			4,50,000	00	4,50,000	00	4,50,000	00	...	...
...	...	70,00,000	00			3,15,000	00	3,15,000	00	3,15,000	00	...	...
11,33,561	49	6,63,73,231	29			28,04,546	51	28,04,546	51	28,04,546	51	...	...
...	...			3,938	96	...	...	3,938	96	...	...	3,938	96
...	...	15,500	00	958	75	...	...	958	75	...	...	958	75
...	...	12,500	00	2,701	37	...	...	2,701	37	...	...	2,547	37
500	00	12,000	00	7,856	77	...	...	7,856	77	142	72	2,968	33
3,500	00	54,500	00	18,482	26	...	...	18,482	26	395	67	4,755	72
1,500	00	20,500	00	2,574	80	...	...	2,574	80	30	72	18,086	59
30,500	00	18,000	00	4,828	46	...	...	4,828	46	1,234	73	2,544	08
14,65,000	00	35,000	00	11,681	46	43,834	00	55,515	46	46,733	02	3,593	73
...	...	30,00,000	00	23,451	23	1,20,000	00	1,43,451	23	1,19,762	17	8,781	70
...	...	84,99,000	00	5,360	00	4,81,114	00	5,42,799	00	4,93,143	72	0	74
...	...	49,95,000	00	**56,325	00	2,82,761	00	3,53,526	00	3,18,147	44	23,689	16
...	...	25,00,000	00	2,720	00	1,00,000	00	1,03,274	94	1,00,417	40	16,670	00
...	...	18,00,000	00	**68,045	00	72,000	00	83,031	11	78,635	92	33,055	28
...	...	50,00,000	00	3,274	94	2,00,000	00	2,16,465	18	2,06,086	05	8,360	00
...	...	25,00,000	00	11,031	11	1,00,000	00	1,00,000	00	1,00,000	00	26,968	56
...	...	46,00,000	00	9	35	3,96,000	00	3,96,000	00	3,96,000	00	2,857	54
...	...	25,00,000	00	11,501	00	1,00,000	00	1,11,501	00	1,05,551	00	4,395	19
...	...	19,28,000	00	77,120	00	1,16,387	00	1,16,387	00	1,16,386	24	10,379	13
...	...	27,38,500	00	2,00,000	00	2,00,000	00	2,00,000	00	2,00,000	00	9	35
...	...	50,00,000	00	2,97,500	00	2,97,500	00	2,97,500	00	2,97,500	00	...	...
...	...	70,00,000	00	2,12,500	00	2,12,500	00	2,12,500	00	2,12,500	00	...	...
...	...	50,00,000	00	4,50,000	00	4,50,000	00	4,50,000	00	4,50,000	00	...	...
...	...	1,00,00,000	00	2,37,500	00	2,37,500	00	2,37,500	00	2,37,500	00	...	...
...	...	50,00,000	00	6,00,000	00	6,00,000	00	6,00,000	00	6,00,000	00	...	...
...	...	1,00,00,000	00	3,00,000	00	3,00,000	00	3,00,000	00	3,00,000	00	...	...
...	...	50,00,000	00	3,00,000	00	3,00,000	00	3,00,000	00	3,00,000	00	...	...
...	...	50,00,000	00	...	...	...	...	...	...	...	...	...	...
15,01,000	00	9,42,28,500	00	1,26,865	64	46,86,716	00	49,37,951	64	44,57,286	80	1,15,699	78
28,34,561	49	18,06,01,731	29	**1,24,370	00	74,91,262	81	77,42,498	15	72,61,833	21	3,64,965	06
				‡ 2,51,235	64							‡ 1,15,699	78
												‡ 3,64,965	06

Amount of loan outstanding on 1st April 1963.	Amount of debentures held by Govt. on 1st April 1963.	Amount of debentures re-purchased during 1963-64.	Amount of debentures held by Govt. on 31st March 1964.	Amount of debentures held by the Corporation on 31st March 1964.
Rs.	Rs.	Rs.	Rs.	Rs.
(a) 45,00,000				45,00,000
(b) 1,72,00,000				1,72,00,000
(c) 89,00,000				89,00,000
(d) 1,00,00,000				1,00,00,000
(e) 70,00,000				70,00,000
Total	4,76,00,000			4,76,00,000

* To be treated as savings.
 † This is the total figure of Renewed Loans under Schemes 'A', 'B' & 'C'.
 ‡ This is the total figure of Outstanding balances required for renewal under Schemes 'A', 'B' & 'C' for the next year (1967-68).
 †† Debentures in respect of these Loans have remained unpaid owing to their not having been surrendered for repayment up to 31st March 1968. The Debentures do not carry interest from and after the due dates of repayment and a paid when surrendered for repayment by the holders, out of the Sinking Fund investment.
 ††† The provisions made in Statement 'C' to meet the excess amount of interest paid due to devaluation which was provisionally met from Sundry Advances in 1966-67.

APPENDIX
SLUM CLEARANCE
(A—CITY AND

Statement showing outstanding Loans of the Slum clearance Scheme (A-City & amount payable for the year 1967-68, the amounts paid during

Serial No.	Particulars of Loans	Date of Issue	Rate of interest per Annum	Balance due on 1st April 1967	Amount raised in 1967-68
(1)	(2)	(3)	(4)	(5)	(6)
	A.—City			Rs. P.	Rs.
	LOANS RAISED FROM GOVT. PROGRAMME NO. 1				
1	Rs. 9,50,997 Loan (1957-58)	28-3-1958	4½%	9,50,997 00	...
2	Rs. 6,12,000 Loan (1958-59)	29-3-1959	Do.	6,12,000 00	...
3	Rs. 2,73,003 Loan (1959-60)	4-8-1959	Do.	2,73,003 00	...
4	Rs. 1,85,000 Loan (1960-61)	28-3-1961	Do.	1,85,000 00	...
5	Rs. 5,04,000 Loan (1961-62)	28-3-1962	Do.	5,04,000 00	...
6	Rs. 2,64,529 Loan (1962-63)	13-3-1963	5½%	2,64,529 00	...
7	Rs. 2,50,971 Loan (1963-64)	27-3-1964	Do.	2,50,971 00	...
8	Rs. 47,250 Loan (1964-65)	27-1-1965	Do.	47,250 00	...
9	Rs. 2,20,355 Loan (1964-65)	13-3-1965	Do.	2,20,355 00	...
10	Rs. 50,504 Loan (1965-66)	31-8-1965	5½%	50,504 00	...
11	Rs. 73 Loan (1965-66)	16-2-1966	Do.	73 00	...
	Total 1st Programme			33,58,632 00	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 2				
12	Rs. 94,500 Loan (1961-62)	23-3-1962	4½%	94,500 00	...
	Total 2nd Programme			94,500 00	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 3				
13	Rs. 9,00,000 Loan (1960-61)	28-3-1961	4½%	8,69,832 16	...
14	Rs. 62,037 Loan (1962-63)	13-3-1963	5½%	60,201 29	...
15	Rs. 9,963 Loan (1963-64)	27-3-1964	Do.	9,668 21	...
	Total 3rd programme			9,39,701 66	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 4				
16	Rs. 3,69,600 Loan (1963-64)	27-3-1964	5½%	3,69,600 00	...
17	Rs. 1,84,800 Loan (1964-65)	27-1-1965	Do.	1,84,800 00	...
	Total 4th programme			5,54,400 00	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 6				
	Rs. 1,53,900 Loan (1966-67) @	20-3-1967	5½%	1,53,900 00	...
	Rs. 17,100 Loan (1967-68) @	1-3-1968	Do.	...	17,100
	Total 6th programme			1,53,900 00	17,100
	LOANS RAISED FROM GOVT. PROGRAMME NO. 9				
	Rs. 6,10,818 Loan (1966-67) @	30-3-1967	5½%	6,10,818 00	...
	Rs. 5,73,838 Loan (1967-68) @	1-3-1968	Do.	...	5,73,838
	Total 9th programme			6,10,818 00	5,73,838
	LOANS RAISED FROM GOVT. PROGRAMME NO. 10				
	Rs. 1,62,343 from (1966-67); @	30-3-1967	5½%	1,62,343 00	...
	Rs. 3,254 Loan (1967-68) @	1-3-1968	Do.	...	3,254
	Total 10th programme			1,62,343 00	3,254
	Total Loan from Govt.			58,74,344 66	5,94,192
	LOANS FROM PUBLIC				
	Rs. 10 Lakhs Loan 1956-57	29-3-1957	4%	10,00,000 00	...
	Rs. 20 Lakhs Loan 1957-58	15-3-1958	4½%	20,00,000 00	...
	Rs. 10 Lakhs Loan 1958-59	30-3-1959	4%	10,00,000 00	...
	Rs. 25 Lakhs Loan 1959-60	15-2-1960	4%	25,00,000 00	...
	Rs. 50 Lakhs Loan 1961-62	1-2-1962	4½%	50,00,000 00	...
	Rs. 30 Lakhs Loan 1964-65	25-3-1965	4½%	30,00,000 00	...
	Rs. 50 Lakhs Loan 1966-67	31-3-1967	6%	50,00,000 00	...
	Rs. 50 Lakhs Loan 1967-68 ... ..	...	...	...	...
	Total Loans from Public			1,95,00,000 00	...
	Grand Total			2,53,74,344 66	5,94,192

N The amount of interest which will accrue on this Loan from the day on which it will be drawn to the date on which the repayment of total Loan sanctioned commences will be payable along with the first repayment instalment of the total loan sanctioned.

No. 29A

SCHEME (ACCOUNT)

E—SUBURBS)

B-Suburbs) Budget B, the interest outstanding on 1st April 1967, on the different loans, the year and the balances outstanding on 31st March 1968.

Total		Amount repaid in 1967-68		Balance due on 31st March 1968		Interest out standing on 1st April 1967		Interest payable in 1967-68		Total interest due		Deduct interest paid during the year		Outstanding balance on 31st March 1968	
(7)		(8)		(9)		(10)		(11)		(12)		(13)		(14)	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
9,50,997	00	...	...	9,50,997	00	...	...	42,795	00	42,795	00	42,794	86	0	14*
6,12,000	00	...	...	6,12,000	00	...	...	27,540	00	27,540	00	27,540	00	...	...
2,73,003	00	...	...	2,73,003	00	...	...	12,285	00	12,285	00	12,285	13	0	87*
1,85,000	00	...	...	1,85,000	00	...	...	8,325	00	8,325	00	8,325	00	...	...
5,04,000	00	...	...	5,04,000	00	...	...	22,680	00	22,680	00	22,680	00	...	...
2,64,529	00	...	...	2,64,529	00	...	...	13,838	00	13,838	00	13,887	87	0	13*
2,50,971	00	...	...	2,50,971	00	...	...	13,176	00	13,176	00	13,175	98	0	02*
47,250	00	...	...	47,250	00	...	...	2,481	00	2,481	00	2,480	62	0	38*
2,20,355	00	...	...	2,20,355	00	...	...	11,569	00	11,569	00	11,5	8 64	0	36*
50,504	00	...	...	50,504	00	...	...	2,904	00	2,904	00	2,903	98	0	02*
73	00	...	...	73	00	...	...	5	00	5	00	4	20	0	80*
33,58,682	00	...	...	33,58,682	00	...	...	1,57,649	00	1,57,649	00	1,57,646	28	2,72**	...
94,500	00	...	...	94,500	00	...	...	4,253	00	4,253	00	4,252	50	0	50*
94,500	00	...	...	94,500	00	...	...	4,253	00	4,253	00	4,252	50	0	50*
8,69,832	16	16,109	55	8,53,722	61	...	...	39,142	45	39,142	45	39,142	45	...	...
60,201	29	990	75	59,210	54	...	...	3,160	57	3,160	57	3,160	57	...	...
9,668	2	159	10	9,509	11	...	...	507	58	507	58	507	58	...	...
9,39,701	65	17,259	40	9,22,442	26	...	...	42,810	60	42,810	60	42,810	60	...	...
3,69,600	00	...	...	3,69,600	00	...	...	19,404	00	19,404	00	19,404	00	...	...
1,84,800	00	...	...	1,84,800	00	...	...	9,702	00	9,702	00	9,702	00	...	...
5,54,400	00	...	...	5,54,400	00	...	...	29,106	00	29,106	00	29,106	00	...	...
1,53,900	00	...	...	1,53,900	00	...	...	@	...	...	...	...	...	...	...
17,100	00	...	...	17,100	00	...	...	@	...	...	...	...	...	...	...
1,71,000	00	...	...	1,71,000	00	...	...	...	...	...	...	...	...	...	...
6,17,818	00	...	...	6,10,818	00	...	...	@	...	...	...	...	...	...	...
5,73,838	00	...	...	5,73,838	00	...	...	1,34,439	40	1,34,439	40	...	...	1,34,439	40
11,84,656	00	...	...	11,84,656	00	...	...	1,34,439	40	1,34,439	40	...	...	1,34,439	40
1,62,343	00	...	...	1,62,343	00	...	...	@	...	...	...	...	...	...	...
3,254	00	...	...	3,254	00	...	...	@	...	...	...	...	...	...	...
1,65,597	00	...	...	1,65,597	00	...	...	...	...	...	...	...	...	...	...
64,68,536	66	17,259	40	64,51,277	26	...	...	3,68,258	00	3,68,258	00	2,33,815	38	1,34,442	62*
10,00,000	00	...	...	10,00,000	00	...	...	40,000	00	40,000	00	40,000	00	...	...
20,00,000	00	...	...	20,00,000	00	...	...	85,000	00	85,000	00	85,000	00	...	...
10,00,000	00	...	...	10,00,000	00	...	...	40,000	00	40,000	00	40,000	00	...	...
25,00,000	00	...	...	25,00,000	00	...	...	1,00,000	00	1,00,000	00	1,00,000	00	...	...
50,00,000	00	...	...	50,00,000	00	...	...	2,12,500	00	2,12,500	00	2,12,500	00	...	...
30,00,000	00	...	...	30,00,000	00	...	...	1,42,500	00	1,42,500	00	1,42,500	00	...	...
50,00,000	00	...	...	50,00,000	00	...	...	3,00,000	00	3,00,000	00	3,00,000	00	...	...
...	...	...	...	...	...	...	...	1,50,000	00	1,50,000	00	...	...	1,50,000	00*
1,95,00,000	00	...	...	1,95,00,000	00	...	...	10,70,000	00	10,70,000	00	9,20,000	00	*1,50,000	00
2,59,68,536	66	17,259	40	2,59,51,277	26	...	...	14,38,258	00	14,38,258	00	11,53,815	38	*2,84,442	62

* To be treated as savings.

**APPENDIX
SLUM CLEARANCE**

(A—CITY AND

Statement showing outstanding Loans of the Slum clearance Scheme (A-City & amount payable for the year 1967-68, the amounts paid during

Serial No.	Particulars of Loans	Date of Issue	Rate of interest per Annum	Balance due on 1st April 1967	Amount raised in 1967-68
(1)	(2)	(3)	(4)	(5)	(6)
				Rs.	Rs.
	B.—Suburbs and Extended Suburbs.				
	LOANS RAISED FROM GOVT. PROGRAMME NO. 2				
1	Rs. 3,07,000 Loan (1959-60)	4-8-1959	4½%	3,07,030.00	...
2	Rs. 5,84,000 Loan (1960-61)	28-3-1961	4½%	5,84,000.00	...
3	Rs. 3,54,375 Loan (1962-63)	13-3-1963	5½%	3,54,375.00	...
4	Rs. 1,67,625 Loan (1963-64)	27-3-1964	Do.	1,67,625.00	...
5	Rs. 2,43,364 Loan (1964-65)	13-3-1965	Do.	2,43,364.00	...
6	Rs. 11,596 Loan (1966-67)	1-12-1966	5½%	11,599.00	...
	Total 2nd Programme			16,67,963.00	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 3				
7	Rs. 1,62,000 Loan (1960-61)	28-3-1961	4½%	1,56,569.66	...
8	Rs. 9,72,000 Loan (1962-62)	28-3-1962	Do.	9,39,417.88	...
9	Rs. 1,00,182 Loan (1962-63)	13-3-1963	5½%	1,04,804.26	...
10	Rs. 7,818 Loan (1963-64)	27-3-1964	Do.	...	...
	Total 3rd Programme			12,00,791.80	...
	LOANS RAISED FROM GOVT. PROGRAMME NO. 4				
11	Rs. 4,65,300 Loan (1963-64)	27-3-1964	5½%	4,65,300.00	...
12	Rs. 1,08,900 Loan (1964-65)	27-1-1965	Do.	1,08,900.00	...
13	Rs. 4,75,911 Loan (1964-65)	13-3-1965	Do.	4,75,911.00	...
14	Rs. 1,31,267 Loan (1965-66)	31-8-1965	5½%	1,31,267.00	...
15	Rs. 1,57,357 Loan (1965-66)	16-2-1966	5½%	1,53,917.00	...
16	Rs. 1,07,739 Loan (1965-66)	12-3-1966	5½%	1,07,739.00	...
17	Rs. 1,06,343 Loan (1966-67)	1-12-1966	5½%	1,06,343.00	...
18	Rs. 1,28,866 Loan (1966-67)	30-3-1967	5½%	1,28,866.00	...
19	Rs. 66,705 Loan (1967-68)	23-2-1968	5½%	...	66,705
20	Rs. 12,159 Loan (1967-68)	1-3-1968	5½%	...	12,159
	Total 4th Programme			16,73,243.00	78,864
	Total Loans from Govt.			45,46,997.80	78,864
	LOAN FROM PUBLIC				
22	Rs. 50 Lakhs Loan 1962-63	25-3-1963	4½%	50,00,000.00	...
23	Rs. 50 Lakhs Loan 1966-67	31-3-1967	6%	50,00,000.00	...
24	Rs. 50 Lacs Loan (1967-68)	30-3-1968	6%	...	50,00,000
	Total Loan from Public			1,00,00,000.00	50,00,000
	Grand Total			1,45,46,997.80	50,78,864

* The short provision of Rs. 1.00 of the interest at Sr. 9 has been met out of interest accrued on the loan of Rs. 3,54,375 for the year 1962-63 at sr. No. 2.

† Required for renewals.

** In addition to this Rs. 11,52 have been paid out of Advances sundries (9) Misc. Advances

No. 29A—concl'd.
SCHEME (ACCOUNT)

B—SUBURBS)

B-Suburbs) Budget B, the interest outstanding on 1st April 1967, on the different loans, the the year and the balances outstanding on 31st March 1968.

Total	Amount repaid in 1967-68	Balance due on 31st March 1968	Interest out standing on 1st April 1967	Interest payable in 1967-68	Total interest due	Deduct interest paid during the year	Outstanding balance on 31st March 1968
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
3,07,000.00	...	3,07,000.00	1,160.00	13,815.00	14,975.00	13,815.00	* 1,160.00
5,84,000.00	...	5,84,000.00	...	26,280.00	26,280.00	26,280.00	...
3,54,375.00	...	3,54,375.00	...	18,605.00	18,605.00	18,604.69	0.31*
1,67,625.00	...	1,67,625.00	...	8,801.00	8,801.00	8,800.31	0.69*
2,43,364.00	...	2,43,364.00	...	12,777.00	12,777.00	12,777.00	...
11,599.00	...	11,599.00	...	...	...	...	...
16,67,963.00	...	16,67,963.00	1,160.00	80,278.00	81,438.00	80,277.00	1,160.00 * 1.00
1,56,569.66	2,899.78	1,53,669.88	...	7,045.64	7,045.64	7,045.64	...
9,39,417.88	17,398.78	9,22,019.10	...	42,273.80	42,273.80	42,273.80	...
1,04,804.26	1,724.78	1,03,079.48	...	5,502.28	5,502.28	5,502.22	0.06*
12,00,791.80	22,023.34	11,78,768.46	...	54,821.72	54,821.72	54,821.72	0.05*
4,65,300.00	...	4,65,300.00	...	24,429.00	24,429.00	24,428.25	0.75*
1,08,900.00	...	1,08,900.00	...	5,718.00	5,718.00	5,717.25	0.75*
4,75,911.00	...	4,75,911.00	...	24,986.00	24,986.00	24,984.94	1.06*
1,31,267.00	...	1,31,267.00	...	7,548.00	7,548.00	7,547.85	0.15*
1,53,917.00	...	1,53,917.00	...	8,851.00	8,851.00	8,850.23	0.77*
1,07,739.00	...	1,07,739.00	...	6,195.00	6,195.00	6,194.99	0.01*
1,06,343.00	...	1,06,343.00	...	...	...	...	...
1,28,866.00	...	1,28,866.00	...	6,782.00	6,782.00	...	6,782.00*
66,705.00	...	66,705.00	...	...	...	...	...
12,159.00	...	12,159.00	...	34,402.28	34,402.28	...	34,402.28*
17,57,107.00	...	17,57,107.00	...	1,18,911.28	1,18,911.28	77,723.51	41,187.77*
46,25,861.80	22,023.34	46,03,838.46	1,160.00	2,54,011.00	2,55,171.00	2,12,822.17	‡ 1,160.00 * 41,188.83
50,00,000.00	...	50,00,000.00	...	2,25,000.00	2,25,000.00	2,25,000.00	...
50,00,000.00	...	50,00,000.00	...	3,00,000.00	3,00,000.00	3,00,000.00	...
50,00,000.00	...	50,00,000.00	...	1,50,000.00	1,50,000.00	...	1,50,000.00
1,50,00,000.00	...	1,50,00,000.00	...	6,75,000.00	6,75,000.00	5,25,000.00	1,50,00,000.00*
1,96,25,861.00	22,023.34	1,56,03,838.46	1,160.00	9,29,011.00	9,30,171.00	7,37,822.17	‡ 1,160.00 * 1,91,188.83

* To be treated as string.

APPENDIX No. 31

EDUCATION FUND

Revenue Account for the year ended 31st March 1968.

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure	7,66,76,426	29	By Revenue Receipts	7,76,76,704	70
To Balance being Surplus for the	10,00,278	41			
Total	7,76,76,704	70	Total	7,76,76,704	70
To Revenue Expenditure to be incurred in 1968-69 and provided for as Renewed Grants	30,63,619	00	By Surplus Revenue Fund as at 1st April 1967	53,39,131	37
To Balance being Surplus Revenue Fund as at 31st March 1968	95,17,124	78	.. Revenue of previous years reserved for the year 1967-68...	62,41,334	00
			.. Surplus for the year	10,00,278	41
Total	1,25,80,743	78	Total	1,25,80,743	78

APPENDIX No. 35

EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1968.

Liabilities	Rs. P.		Assets	Rs. P.	
Loans Outstanding—			Block Account—		
Due to Public—	7,29,10,500	00	Loan Funds—		
Trust Fund—			Property and Assets at original cost	6,94,02,410	26
			Trust Fund—		
			Expenditure upto 31-3-1968 ...	2,08,755	42
			Advance for purchase of Furniture for New School Buildings.		
			Balance on 1-4-67 ...	32,85,127	06
			Add—Expenditure during the year	65,236	42
				33,50,363	48
			Less—Amount repaid.	4,65,239	00
				28,85,124	48
			Investment—		
			Sinking Fund—	2,50,60,863	86
Surplus—			Loan Fund—		
Sinking Fund ...	2,50,60,863	86	In Fixed Deposit ...	60,00,000	00
Loan Redemption Fund ...	44,39,500	00	In Call Deposit ...		
Contribution from Trust Fund ...	2,08,755	42	In Cash ...	62,465	26
Contribution from Government ...	10,00,000	00		60,62,465	26
Grand Total ...	10,36,19,619	28	Grand Total...	10,36,19,619	28

Statement showing Capital Expenditure upto 31st March 1968:—

Education Fund.

Loan Funds,	Total Capital Expenditure upto 31st March 1967.	Expenditure during 1967-68 out of Loan Funds.	Capital Expenditure upto 31st March, 1968.
	Rs.	Rs.	Rs.
City Section ...	3,91,87,253	38,99,286	4,30,86,539
Suburban Section ...	1,53,88,391	24,84,468	1,78,72,859
Extended Suburban Section ...	73,99,784	7,98,733	81,98,517
Discount and other charges ...	2,44,495	...	2,44,495
	6,22,19,923	71,82,487	6,94,02,410
Trust Fund ...	2,08,255	500	2,08,755
Grand Total ...	6,24,28,178	71,82,987	6,96,11,165

* Face and Market values of Securities held in the Sinking Fund, was Rs. 2,51,21,500 and Rs. 2,47,52,296.25 respectively, Municipal Debentures being valued at par.

APPENDIX No. 37

EDUCATION FUND

Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1967 on the different Loans, the amount payable for the year 1967-68, the amount paid by the State Bank of India, and in Office during that year and the balances outstanding on 31st March 1968.

Particulars of Loans.	Rate of Interest.	Balance due. on 1-4-67	Amount raised in 1967-68.	Total.	Amount repaid in 1967-68.	Balance due on 31st March 1968.	Interest outstanding on 1-4-1967.	Interest payable in 1967-68.	Total Interest due.	Deduct Interest paid by the S a e Bank of India and in Office.	Outstanding balance on 31st March 1968.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Loans raised from the Public											
		Rs.		Rs.		Rs.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
(1) The 5 Lakhs Education Loan of 1952-53	4 per cent.	5,00,000	...	5,00,000	5,00,000	...	...	10,000.00	10,000.00	10,000.00	...
(2) The 15 Lakhs Education Loan of 1954-55	4 per cent.	3,500	...	3,500	...	3,500	924.00	...	924.00	...	924.00
(3) The 20 lakhs Education Loan of 1955-56	4 per cent.	20,00,000	...	20,00,000	19,43,000	57,000	25,445.00	40,000.00	65,445.00	58,895.00	6,550.00
(4) The 35 lakhs Education Loan of 1957-58	4½ per cent.	35,00,000	...	35,00,000	...	35,00,000	...	1,48,750.00	1,48,750.00	1,48,750.00	...
(5) The 30 lakhs Education Loan of 1958-59	4½ per cent.	30,00,000	...	30,00,000	...	30,00,000	6,938.15	1,27,500.00	1,34,438.15	1,26,352.49	8,085.66
(6) The 50 Lakhs Education Loan of 1959-60	4 per cent.	50,00,000	...	50,00,000	...	50,00,000	...	2,00,000.00	2,00,000.00	2,00,000.00	...
(7) The Rs. 38.5 Lakhs Education Loan of 1960-61	4½ per cent.	38,50,000	...	38,50,000	...	38,50,000	531.25	1,63,625.00	1,64,156.25	1,64,156.25	...
(8) The Rs. 10 Lakhs Education Loan of 1960-61	4½ per cent.	10,00,000	...	10,00,000	...	10,00,000	...	42,500.00	42,500.00	42,500.00	...
(9) The Rs. 55 Lakhs Education Loan of 1961-62	4½ per cent.	55,00,000	...	55,00,000	...	55,00,000	...	2,33,750.00	2,33,750.00	2,33,750.00	...
(10) The Rs. 10 Lakhs Education Loan of 1961-62	4½ per cent.	10,00,000	...	10,00,000	...	10,00,000	...	42,500.00	42,500.00	42,500.00	...
(11) The Rs. 75 Lakhs Education Loan of 1962-63	4½ per cent.	75,00,000	...	75,00,000	...	75,00,000	3,871.22	3,56,250.00	3,60,121.22	3,58,031.25	2,089.97
(12) The Rs. 25 Lakhs Education Loan of 1962-63	4½ per cent.	25,00,000	...	25,00,000	...	25,00,000	...	1,12,500.00	1,12,500.00	1,12,500.00	...
(13) The 137.5 Lakhs Education Loan of 1963-64	4½ per cent.	1,37,50,000	...	1,37,50,000	...	1,37,50,000	1,273.04	6,53,250.00	6,54,403.04	6,53,908.72	494.32
(14) The 12.5 Lakhs Education Loan of 1963-64	4½ per cent.	12,50,000	...	12,50,000	...	12,50,000	...	59,375.00	59,375.00	59,375.00	...
(15) The 125 Lakhs Education Loan of 1964-65	5 per cent.	1,25,00,000	...	1,25,00,000	...	1,25,00,000	...	6,25,000.00	6,25,000.00	6,25,000.00	...
(16) The Rs. 50 Lakhs Education Loan of 1965-66	5½ per cent.	50,00,000	...	50,00,000	...	50,00,000	...	2,87,500.00	2,87,500.00	2,84,308.73	3,191.27
(17) The Rs. 25 Lakhs Education Loan of 1966-67	6 per cent.	25,00,000	...	25,00,000	...	25,00,000	...	1,50,000.00	1,50,000.00	1,32,500.00	17,500.00
(18) The Rs. 25 Lakhs Education Loan of 1966-67	5½ per cent.	25,00,000	...	25,00,000	...	25,00,000	...	1,43,750.00	1,43,750.00	1,43,750.00	...
(19) The Rs. 25 Lakhs Education Loan of 1967-68	6 Per cent.	...	25,00,000	25,00,000	...	25,00,000	...	...	...	...	...
Loan from Public		7,28,53,500	25,00,000	7,53,53,500	24,43,000	7,29,10,500	33,967.66	3,396,125.00	34,35,112.66	33,96,277.44	33,835.22

APPENDIX No. 40

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1967-63 and the balance at the credit of the Fund at the close of the year 1967-63 (i.e., 31st March 1968).

	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT		
(1) Fees and Fines from Municipal Schools	...	...
(1A) Education Cess	94,45,061	32
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I	1,68,85,730	00
(ii) From Budget 'A' Div. II	55,60,320	00
(iii) From Budget 'A' Div. III	15,41,720	00
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	3,50,00,000	00
(ii) Budget 'A' Div. II	...	...
(iii) Budget 'A' Div. III	...	...
(3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act	80,82,480	00
(4) Interest on Endowment and Investments	10,886	50
(5) Rent and other proceeds of properties	1,43,892	79
(6) Interest and Profits on Investments of Surplus, Loan and other balances	8,04,315	76
(7) Miscellaneous Receipts	2,02,298	33
Total—Revenue Receipts	7,76,76,704	70
RECEIPTS—B.—CAPITAL ACCOUNT		
(1) New Loan	25,00,000	00
(2) Recoupment of Advance for purchase of furniture	4,65,239	00
(3) Trust Fund	500	00
Total—Capital Receipts	29,65,739	00
RECEIPTS—C.—SUSPENSE ACCOUNT		
Advances—Municipal Officers—		
(a) Standing Advances for Contingent Expenditure	3,608	10
(b) Motor Cars and Motor Cycles to Officers	9,081	00
(c) Dishonoured Cheques	16,514	55
(d) Loan scholarships to Municipal Teachers Under Training	32,661	84
Advance for purchase of Plant and Machinery	11,403	00
Sundries—Miscellaneous Advances	5,10,097	26
State Bank of India and other Local Banks Paper and Cash Account—including Paper		
Deposits in Office Custody—		
Sinking Fund (Paper and Cash) Account	14,06,003	52
Endowment Fund (Paper and Cash) Account	1,322	25
Loan Fund (Paper and Cash) Account	...	...
Surplus Fund (Paper and Cash) Account	52,67,951	66
Sundry Deposits (Paper and Cash) Account	1,81,00,200	00
Deposit Account	35,16,048	39
Provident Fund Recoveries	73,92,439	20
Provident Fund Investments	37,84,246	97
Cash Bills Outstanding	...	...
Cheques Payable	7,70,18,520	12
Wages Deposit Account	...	...
Municipal Contribution Receivable	17,74,267	99
Municipal Contribution Payable (Refundable)	...	...
Endowment Fund Account	11,622	80
Sinking Fund Account—Education	56,80,157	60
Education Loan Interest Warrants Payable Account	34,63,603	31
Interest Receivable Account	...	...
Interest accrued but not paid	74,270	83
Investment of Surplus Monies in Public Securities	...	...
Advances from Surplus Monies for financing Capital Expenditure pending raising of Loan	...	...
Loan Redemption Fund Account	24,43,000	00
Total—Suspense Receipts	13,05,24,070	39

APPENDIX No. 40—(Contd.)

	Rs.	P.
EXPENDITURE—A.—REVENUE ACCOUNT		
A.—General Supervision and Administration ...	13,57,493	55
B.—Municipal Primary Schools ...	5,81,06,313	27
C.—Private Primary Schools ...	15,23,256	87
D.—Medical Inspection of School Children ...	6,67,877	06
E.—Enforcement of Compulsion ...	474	33
F.—Educational Activities ...	7,19,556	33
G.—Pension and Provident Fund ...	56,68,091	63
H.—Dearness Allowance ...	...	...
I.—New Works ...	3,11,101	07
J.—Debt Charges ...	80,93,243	39
K.—Training Facilities for Municipal Teachers ...	24,714	16
L.—Proportionate Cost of Collection of Education Cess ...	1,59,760	00
M.—Extra-Curricular Activities ...	44,539	63
Total—Revenue Expenditure ...	7,66,76,426	29
EXPENDITURE—B.—CAPITAL ACCOUNT		
(1) Loan Funds— ...	71,82,487	09
(2) Advance for purchase of furniture for New School Building ...	65,236	42
(3) Trust Fund ...	500	00
Total—Capital Expenditure ...	72,48,223	51
EXPENDITURE—C.—SUSPENSE ACCOUNT		
Advances—Municipal Officers—		
(a) Standing Advances for Contingent expenditure ...	5,084	73
(b) Motor Cars and Motor Cycles to Officers ...	11,500	00
(c) Dishonoured Cheques ...	16,013	55
(d) Loan Scholarship to Municipal Teachers under Training ...	5,472	02
Advance for purchase of Plant and Machinery ...	...	...
Sundries—Miscellaneous Advances ...	6,51,077	76
State Bank of India and other Local Banks Paper and Cash Account—including paper		
Deposits in Office Custody—		
Sinking Fund (Paper and Cash) Account ...	46,43,161	12
Endowment Fund (Paper and Cash) Account ...	12,622	89
Loan Fund (Paper and Cash) Account ...	17,515	49
Surplus Fund (Paper and Cash) Account ...	42,55,700	60
Sundry Deposits (Paper and Cash) Account ...	1,37,00,000	00
Deposit Account ...	30,39,839	38
Provident Fund Payments ...	71,92,489	20
Provident Fund Investments ...	37,84,246	97
Cash Bills Outstanding ...	...	...
Cheques Payable ...	7,64,53,705	87
Wages Deposit Account ...	...	...
Municipal Contribution Receivable ...	50,42,676	18
Municipal Contribution Payable (Refundable) ...	...	...
Endowment Fund Account ...	322	25
Sinking Fund Account Education ...	24,43,000	00
Education Loan Interest Warrants—Payable Account ...	34,59,866	81
Interest Accrued but not paid ...	5,444	45
Interest Receivable Account ...	...	...
Investment of Surplus Monies in Public Securities ...	...	...
Advances from Surplus Monies for financing Capital Expenditure pending raising of Loan ...	...	...
Repayment of Loan Account ...	24,43,000	00
Total—Suspense Expenditure	12,73,83,059	18

APPENDIX No. 40—(Concl.)

SUMMARY

Receipts.			Disbursements.	
Rs.	P.		Rs.	P.
68,17,067	46	Balance on 1st April 1967—		
7,76,76,704	70	A.—Revenue Account	7,66,76,426	29
29,65,739	00	B.—Capital Account	72,48,223	51
13,05,24,070	39	C.—Suspense Account	12,73,83,059	18
21,11,66,514	09	*Balance on 31st March 1968	21,13,07,708	98
21,79,83,581	55	Total	66,75,872	57
			21,79,83,581	55
			Rs.	P.
		Bank's Reconciliation—		
		*Balance as per Bank's Pass Book	27,21,856	36
		Add—Revenue sent to the Bank on 31st March 1968 but acknowledged on 1st April 1968.	31,25,060	00
		Less—Uncashed cheques	58,46,916	36
		Balance as per Day Book (Col. No. 10)	4,99,400	17
			53,47,516	19
			Rs.	P.
		Balance in Office in Government Promissory Notes etc.	1,400	00
		Balance in Office in Cash	2,678	98
		Collection kept in office	13,24,277	40
			13,28,356	38
			66,75,872	57

ASSESSMENT AND COLLECTION

(CITY)

Taxation, Demand, Collection and outstandings

The rates of taxation continued to be the same as in the preceding year. The rates of taxation thus stood as follows:—

General Tax (including $\frac{3}{4}\%$ Fire Tax) at $24\frac{3}{4}\%$, Water Tax at $4\frac{1}{2}\%$, Halalkhor Tax at $3\frac{1}{2}\%$ and Education Cess at a graduated scale as under subject to the condition that the Education Cess is leviable on the aggregate rateable value of all buildings and lands owned by the person in the same locality.

Rateable value.	Rate.
Re. 1 to Rs. 74	Nil.
Rs. 75 to Rs. 299	2 per cent.
Rs. 300 and above.	$2\frac{1}{2}$ per cent.

The total number of properties on the Assessment Book during the year 1967-68 was 78,651 of which 75,114 properties were assessed to General Tax and 2,095 private properties and 1,442 Municipal properties were exempted from General Tax.

The rateable value of all properties on the 31st March 1968 was 41,32,28,441 against Rs. 38,85,93,154 and Rs. 37,02,74,639 in the previous two years. This gives a rate of Rs. 149.08 per head of population against 140.19 in the preceding year.

The total number of vehicles and animals taxed during the year (including those taxed under the Public Conveyance Act of 1920) was 95,948.

The total number of bills for property taxes and wheel tax issued during the year was 1,43,270 and 2,86,527 respectively. The number of bills for water charges by meter measurement issued was 43,852. Out of the net demands of Rs. 2,088.81 and Rs. 207.55 lacs for property taxes and wheel tax respectively Rs. 1,873.27 Rs. 147.33 lacs were effective demands and the amounts collected against these effective demands were Rs. 1,634.18 and 79.59 lacs in respect of property taxes and wheel tax respectively which works out to 87.23 and 54.02 per cent of the respective effective demands. The total amount outstanding at the end of the year was Rs. 582.59 lacs, the details of which are shown in the body of the report under the head "Break up of outstandings."

The total amount of exemption from General Tax allowed in respect of different properties during the year was Rs. 88.80 lacs against Rs. 84.61 lacs during the preceding year. The increase was due to enhancement of rateable value.

The total number of complaints against the rateable values disposed of during the year was 4,142. There were 76 appeals against the rateable values.

(SUBURBS)

The rates of taxes during the year under report were:—

General Tax $24\frac{3}{4}\%$ (which includes $\frac{3}{4}\%$ Fire Tax) and Halalkhor tax at $3\frac{1}{2}\%$ of the rateable value.
Education Cess.

Rateable Value	Rate.		
Re. 1 to Rs. 74	Exempt.	}	
Rs. 75 to Rs. 299	2% of the rateable value.		On buildings and lands owned by the same person or persons in the same locality the cess was levied at the rate applicable to the aggregate rateable value of such buildings and lands.
Rs. 300 and above.	$2\frac{1}{2}\%$ of the rateable value.		

The rate for water supplied by meter measurement varied from Rs. 1.70 to Rs. 5.50 per 10,000 litres.

The total number of properties was 74,411 as against 70,065 in the previous year showing an increase of 4,346.

The rateable value of all the properties was Rs. 16,72,53,973 as against Rs. 15,10,10,810 for the previous year. The rateable value thus worked out to Rs. 161.35 per head of population as against Rs. 145.70 in the preceding year.

The total number of bills for property taxes issued during the year was 1,55,065. The bills issued for water charges were 82,086. Out of the net demands of Rs. 1,145.52 and Rs. 57.92 lacs for property taxes and wheel tax respectively Rs. 971.23 and Rs. 34.92 lacs were effective demands and the amounts collected against these effective demands were Rs. 581.31 and Rs. 11.88 lacs in respect of property taxes and wheel tax respectively which work out to 59.85 and 34.01 per cent of the respective effective demands.

There were 3,620 complaints against the rateable value of the properties during the year of which 2,052 were received under Section 167 and the remaining 1,568 under Section 162 of the Bombay Municipal Corporation Act. There were 114 appeals against rateable values under Section 217 of the Act out of which 67 were settled and the remaining 47 were pending decision on 31st March 1968.

(EXTENDED SUBURBS)

The rates of taxes during the year 1967-68 were:—

General Tax.—The General Tax which included $\frac{3}{4}$ % Fire Tax was levied in the areas of the Extended Suburbs as shown below:—

Rate.	Area.
24 $\frac{3}{4}$ Per cent.	In the areas of the defunct Municipality of Malad excluding the Village Valnai.
23 $\frac{1}{4}$ "	In the areas of the Valnai Village.
24 $\frac{3}{4}$ "	In the areas of the defunct Municipality of Kandivali excluding the Village of Dahanukarwadi.
23 $\frac{1}{4}$ "	In the areas of Dahanukarwadi.
24 $\frac{3}{4}$ "	In the areas of the defunct Municipality of Borivli.
24 $\frac{3}{4}$ "	In the areas of the defunct Municipality of Mulund.
20 $\frac{3}{4}$ "	In the areas of the defunct Village Panchayat of Goregaon.
18 $\frac{3}{4}$ "	In the areas of the defunct Village Panchayat of Dahisar.
24 $\frac{3}{4}$ "	In respect of properties in the Village occupied for industrial purpose.
16 $\frac{3}{4}$ "	In respect of other properties in the Village which had not local bodies prior to their merger with the Bombay Municipal Corporation.

The properties the rateable value of which did not exceed Rs. 75 in a year were exempted.

Halalkhor Tax.—This tax was levied at 3 $\frac{1}{2}$ per cent of the rateable value.

Education Cess.—

Rateable value	Rate.	
Rs. 1 to Rs. 74	Exempt.	} On buildings and lands owned by the same person or persons in the same locality the Cess was levied at the rate applicable to the aggregate rateable value of such buildings and lands.
Rs. 75 to Rs. 299.	2% of the rateable value.	
Rs. 300 and above.	2 $\frac{1}{2}$ % of the rateable value.	

Water by Meter.—The rate for water supplied by meter measurement varied from Rs. 1.70 to Rs. 5.50 per 10,000 litres. The total number of properties was 32,762 as against 31,459 in the previous year.

The rateable value of all the properties was Rs. 5,46,09,646 against Rs. 4,84,61,395 for the previous year. The rateable value thus worked out to Rs. 158.95 per head of population as against 140.96 in the preceding year.

The total number of bills for property taxes issued during the year was 72,138. The bills issued for water charges were 35,157. Out of the net demands of Rs. 324.00 and Rs. 9.57 lacs for property taxes and wheel tax respectively Rs. 251.35 and Rs. 6.57 were effective demands and the amounts collected against these effective demands were Rs. 150.45 and Rs. 2.36 lacs in respect of property taxes and wheel tax respectively which work out to Rs. 59.86 and Rs. 36.00 per cent of the respective demands.

There were 1991 complaints against the rateable values of the properties during the year of which 1,114 were received under Section 167 and the remaining 877 were under Section 162 of the Bombay Municipal Corporation Act. There were 258 appeals against rateable values under Section 217 of the Act out of which 4 were settled and the remaining 254 were pending on 31st March 1968.

(CITY, SUBURBS AND EXTENDED SUBURBS)

Rates of Taxation.—The rates of taxation on lands and buildings during the year under Report were as under:—

	City	Suburbs.	Extended Suburbs.	
General Tax including Fire Tax @ $\frac{3}{4}$ %	24 $\frac{3}{4}$ %	24 $\frac{3}{4}$ %	24 $\frac{3}{4}$ %	In the areas of the defunct Municipality of Malad excluding the village Valnai.
			23 $\frac{1}{4}$ %	In the areas of the Valnai village.
			24 $\frac{3}{4}$ %	In the areas of the defunct Municipality of Kandivali excluding the village of Dahanukarwadi.
			23 $\frac{1}{4}$ %	In the areas of Dahanukar wasdi.
			24 $\frac{3}{4}$ %	In the areas of the defunct Municipality of Borivali.
			24 $\frac{3}{4}$ %	In the areas of the defunct Municipality of Mulund.
			20 $\frac{3}{4}$ %	In the areas of the defunct Village Panchayat of Goregaon.
			18 $\frac{3}{4}$ %	In the areas of the defunct Municipality of Dahisar.
			24 $\frac{3}{4}$ %	In respect of properties in the villages occupied for industrial purposes.
			16 $\frac{3}{4}$ %	In respect of other properties in the villages which had no local bodies prior to their merger with the Bombay Municipal Corporation. The properties, the rateable values of which did not exceed Rs. 75 in a year, were exempted.
Water Tax ...	4 $\frac{1}{2}$ %	Nil	Nil	
Halalkhor Tax ...	3 $\frac{1}{2}$ %	3 $\frac{1}{2}$ %	3 $\frac{1}{2}$ %	
Education Cess ...	Nil	Nil	Nil	R. V. Rs. 1 to Rs. 74.
	2%	2%	2%	R. V. Rs. 75 to Rs. 299.
	2 $\frac{1}{2}$ %	2 $\frac{1}{2}$ %	2 $\frac{1}{2}$ %	R. V. Rs. 300 and above.
State Education Cess	Nil	Nil	Nil	R. V. Rs. 1 to Rs. 74.
	2%	2%	2%	R. V. Rs. 75 and above (from 1-4-1967 to 30-9-1967).

The rates of State Education Cess came on par with those of the Municipal Education Cesses shown above from 1st October 1967.

The Education Cess and the State Education Cess are leviable on the aggregate rateable value of all buildings and lands owned by one person in the same locality.

The tax on vehicles and animals was levied at the maximum rates prescribed in Schedule G of the Bombay Municipal Corporation Act.

The rates charged for the supply of water by meter measurement ranged between Rs. 1.70 and Rs. 5.50 per 10,000 litres according to the class of properties.

Properties.—The total number of properties and number of properties exempted from the levy of General Tax as on 31st March 1968 are shown below:—

	City	Suburbs.	Extended Suburbs.	Total.
Number of properties	78,651	74,411	32,762	1,85,824
Number of properties exempted from General Tax...	3,537	2,423	964	6,924

The number of properties accounted for as newly erected, demolished and enlarged during the year was :

	City	Suburbs.	Extended Suburbs.	Total
Newly erected	1,980	4,346	1,303	7,629
Enlarged	874	2,982	1,117	4,973
Demolished	798	445	182	1,425

The rateable value of all properties as on the last day of the year was:—

	As on 31-3-1967.	As on 31-3-1968.	Population as per Census 1961.	Rate of R. V. per head of population	
				1966-67	1967-68
City	38,85,93,154	41,32,28,441	27,71,933	140.19	149.08
Suburbs	15,10,10,810	16,72,53,973	10,36,104	145.70	161.35
Extended Suburbs	4,84,61,395	5,46,09,646	3,43,708	140.96	158.95
Total	58,80,65,359	63,50,92,060	41,51,745	141.64	152.97

Under Section 185 of the Bombay Municipal Corporation Act, Wheel Tax in respect of Hack-Victorias, Labour Carts (without pneumatic tyres) and Hand Carts (without pneumatic tyres) ordinarily leviable at Rs. 112, Rs. 40 and Rs. 8 per annum respectively, was compounded for the year 1967-68 at Rs. 100, Rs. 35 and Rs. 6 respectively.

The tax collected on hand-carts and bullock-carts for the year 1967-68 amounted to Rs. 1,31,995 as against Rs. 1,20,377 in the preceding year.

Bills.—The total No. of bills issued during the year under report was:—

Nature of Tax	CITY		SUBURBS		EXTD. SUBURBS		TOTAL.	
	Past & previous years.	Current year.	Past & previous years.	Current year.	Past & previous years.	Current year.	Past & previous years.	Current year.
Property Taxes ...	5,497	1,37,773	3,993	1,51,072	1,397	70,741	10,887	3,59,586
Water charges by meter.	6,630	37,222	17,435	64,651	7,310	27,847	31,375	1,29,720
Meter Hire ... ..	...	7,314	1,431	10,956	81	2,400	1,512	20,670
Wheel Tax	20,606	2,65,921	4,610	56,628	1,542	9,480	26,758	3,32,029
Total	32,733	4,48,230	27,469	2,83,307	10,330	1,10,468	70,532	8,42,005

Appeals during the year 1967-68 :-

	City.	Suburbs.	Extd. Suburbs.
Appeals pending on 1-4-1967	... 58	99	196
Appeals registered during 1967-68	... 18	15	62
Total No. of appeals during the year 1967-68	... 76	114	258
No. of appeals withdrawn by the parties.	... 12	...	...
No. of appeals decided by the Court.	... 7	...	...
No. of appeals dismissed by the Court	... 6	...	...
No. of appeals settled out of Court	... 1	67	4
No. of appeals pending on 31-3-1968	... 50	47	254

Complaints against rateable values disposed of during the year 1967-68 :-

	Number	Rateable value complained against	Rateable value fixed on complaint	Reduction	Percentage of reduction
		Rs.	Rs.	Rs.	
Under Section 167 :-					
City	... 2,196	5,11,57,136	4,59,90,004	51,67,132	11.24
Suburbs	... 1,596	1,15,08,334	99,84,460	15,23,874	13.24
Extd. Suburbs	... 606	40,31,067	34,46,708	5,84,359	14.50
Total	... 4,398	6,66,96,537	5,94,21,172	72,75,365	10.98
Under Section 162 :-					
City	... 1,946	3,40,14,116	3,36,62,916	3,51,200	1.03
Suburbs	... 1,291	86,73,417	79,16,729	7,56,688	8.73
Extd. Suburbs	... 329	14,79,333	11,66,524	3,12,809	21.15
Total	... 3,566	4,41,66,866	4,27,46,169	14,20,697	3.22

	Nature of Tax	Year	Total net demand	Collection	Percentage	Out standing	Percentage
City	Property Taxes	65-66	20,61,97,858	15,61,90,132	75.75	5,00,07,726	24.25
Suburbs	"	"	9,08,06,793	4,70,65,759	51.83	4,37,41,034	48.17
Extd. Subs.	"	"	2,44,55,826	1,20,31,134	49.09	1,24,24,692	50.91
City	"	66-67	20,20,03,227	15,40,14,796	76.25	4,79,88,431	23.75
Suburbs	"	"	10,23,76,369	5,48,73,422	53.57	4,75,02,947	46.43
Extd. Subs.	"	"	2,74,55,004	1,30,45,065	47.52	1,44,09,939	52.48
City	"	67-68	20,88,80,929	16,34,18,541	78.28	4,54,62,388	21.72
Suburbs.	"	"	11,45,52,309	5,81,31,137	50.75	5,64,21,172	49.25
Extd. Subs.	"	"	3,24,00,172	1,50,44,567	46.50	1,73,55,605	53.50
City	Wheel Tax	65-66	1,89,15,858	76,22,798	40.30	1,12,93,060	59.70
Suburbs	"	"	46,32,011	10,80,192	23.32	35,51,819	76.68
Extd. Subs.	"	"	7,73,866	2,32,926	30.03	5,40,940	69.97
City	"	66-67	2,02,90,856	74,93,443	36.96	1,27,97,413	63.04
Suburbs.	"	"	52,31,939	11,08,505	21.19	41,23,434	78.81
Extd. Subs.	"	"	8,16,913	2,22,009	27.18	5,94,904	72.82
City	"	67-68	2,07,55,228	79,58,746	38.34	1,27,96,482	61.66
Suburbs	"	"	57,92,297	11,87,655	20.51	46,04,642	79.49
Extd. Subs.	"	"	9,56,814	2,36,305	24.70	7,20,509	75.30

Miscellaneous Receipts:—

	1966-67	1967-68
	Rs.	Rs.
City ...	1,87,376.89	2,01,536.51
Suburbs ...	3,03,799.68	1,23,918.22
Extd. Suburbs	1,26,561.11	38,794.54
Total ...	6,17,737.68	3,64,249.27

Meter Hire:—

City ...	4,64,214.75	5,19,674.17
Suburbs ...	3,80,291.84	3,17,465.06
Extd. Suburbs ...	68,334.90	74,740.30
Total ...	9,12,841.49	9,11,879.53

Exemption from General Tax:—

City ...	84,60,833.84	88,79,674.49
Suburbs ...	36,58,022.49	33,52,425.57
Extd. Suburbs ...	5,50,338.80	5,59,282.81
Total ...	1,26,69,195.13	1,27,91,382.87

Total Demand, Collection and Outstanding of Municipal Property Taxes during the year 1967-68

(The amounts of 50 paise and above are taken as full rupee and below 50 paise are omitted).

Period.	Outstanding on 1-4-1967.	Amount of bills issued including the demand for contribution from Government and B.P.T.	Gross Demand.	Amount of bills recalled.	Net demand.	Less provisional demand.	Effective Demand.	Collection during 1967-68.	Outstanding on 31-3-1968.	Percentage of collection to effective Demand.	Percentage of outstanding to net Demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
CITY											
Past and previous years.	4,83,22,601	1,07,42,593	5,90,65,194	59,60,542	5,31,04,652	...	...	3,40,27,875	1,90,76,777	...	35.92
1967-68	...	16,70,49,613	16,70,49,613	1,12,73,336	15,57,6,277	...	...	12,93,90,666	2,63,85,611	...	16.87
Total	4,83,22,601	17,77,92,206	22,61,14,807	1,72,33,878	20,88,80,929	2,15,54,111	18,73,26,798	16,34,18,541	4,54,62,388	87.23	21.72
								Less in deposit	20,19,515		
									4,34,428.73		
SUBURBS.											
Past and previous years.	4,88,60,103	42,61,304	5,31,20,407	31,12,737	5,00,07,670	...	...	1,99,57,992	3,00,49,679	...	60.09
1967-68	...	7,01,50,392	7,01,50,392	56,05,753	6,45,44,639	...	...	3,81,73,145	2,63,71,793	...	40.85
Total	4,88,60,103	7,44,10,696	12,32,70,799	87,18,490	11,45,52,309	1,74,29,640	9,71,22,669	5,81,31,137	5,64,21,172	59.85	49.25
								Less in deposit	3,69,256		
									5,60,51,916		
EXTENDED SUBURBS.											
Past and previous years.	1,44,03,368	15,11,033	1,59,19,401	9,38,381	1,49,81,020	...	...	59,29,755	90,51,265	...	63.83
1967-68	...	2,14,00,389	2,14,00,389	39,81,237	1,74,19,152	...	...	91,14,812	83,04,340	...	49.76
Total	1,44,03,363	2,29,11,422	3,73,19,790	49,19,618	3,24,00,172	72,65,291	2,51,34,881	1,50,44,567	1,73,55,605	59.86	53.50
								Less in deposit	2,41,500		
									1,71,14,105		

Total Demand, Collection and Outstanding of Wheel Tax during the year 1967-68.

(The amounts of 50 paise and above are taken as full rupee and below 50 paise are omitted).

Period.	Outstanding on 1-4-1957.	Amount of bills issued.	Gross Demand.	Amount of bills recalled.	Net demand.	Less provisional demand.	Effective Demand.	Collection during 1967-68.	Outstanding on 31-3-68.	Percentage of collection to effective Demand	Percentage of outstanding to net Demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
CITY.											
Past and previous years.	1,28,03,657	6,70,407	1,34,74,064	-19,54,360	1,15,19,704	...	...	-21,16,403	-94,03,301	...	81.63
1967-68	...	97,61,224	97,61,224	-5,25,700	-92,35,524	...	...	-58,42,343	-33,93,181	...	36.74
Total	1,28,03,657	1,04,31,631	2,32,35,288	24,80,060	2,07,55,228	60,21,824	1,47,33,404	79,58,746	1,27,96,482	54.02	61.66
-SUBURBS.											
Past and previous years.	41,23,469	1,51,765	42,75,234	3,02,204	39,73,030	...	...	-8,15,961	-34,57,069	...	87.01
1967-68	...	19,76,327	19,76,327	1,57,060	18,19,267	...	...	-6,71,694	11,47,573	...	63.07
Total	41,23,469	2,28,092	62,51,561	4,59,264	57,92,297	23,00,000	34,92,297	11,87,655	46,04,642	34.01	79.49
EXTENDED SUBURBS.											
Past and previous years.	5,95,182	55,748	6,50,930	45,399	6,05,331	...	...	-83,705	5,21,626	...	86.18
1967-68	...	3,61,321	3,61,321	9,838	3,51,483	...	...	1,52,600	1,98,883	...	56.59
Total	5,95,182	4,17,069	10,12,251	55,437	9,56,814	3,00,000	6,56,814	2,36,305	7,20,509	36.00	75.30

The Urban Immoveable Property Tax :

	Outstanding as on 1-4-67.	Amount of bills issued during 1967-68.	Total Demand.	Bills recalled.	Net Demand.	Collection during 1967-68.	Outstanding as on 31-3-68.	Percentage of outstanding to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
City ...	13,27,889.15	5,22,880.23	18,50,769.38	56,389.48	17,94,379.90	8,35,866.50	9,58,513.40	53.42
Suburbs ...	6,85,841.42	9,018.19	6,94,859.61	8,131.27	6,86,728.34	63,111.66	6,23,616.68	90.82
Extended Suburbs ...	5,65,226.66	2,080.23	5,67,306.89	1,979.94	5,65,326.95	1,46,576.09	4,18,750.86	74.07
Total ...	25,78,957.23	5,33,978.65	31,12,935.88	66,500.69	30,46,435.19	10,45,554.25	20,00,880.94	65.68

The State Education cess :

	Outstanding as on 1-4-67.	Amount of bills issued during 1967-68.	Gross Demand.	Amount of Bills recalled.	Net Demand.	Collection during 1967-68.	Outstanding as on 31-3-68.	Percentage of outstanding to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
City—								
Past and previous years	26,34,590.34	4,320.13	26,38,910.47	4,40,536.85	21,98,373.62	10,77,228.86	11,21,144.76	59.99
1967-68 ...	...	88,98,144.58	88,98,144.58	8,19,362.41	80,78,782.17	61,81,187.82	18,97,594.35	23.49
Total ...	26,34,590.34	89,02,464.71	1,15,37,055.05	12,59,899.26	1,02,77,155.79	72,58,416.68	30,11,739.11	29.38
Suburbs—								
Past and previous years	22,76,494.95	2,31,594.88	25,08,089.83	1,77,435.32	23,30,653.51	7,42,677.66	15,87,975.85	68.13
1967-68 ...	...	37,54,313.44	37,54,313.44	3,72,025.84	37,82,289.60	17,76,685.93	16,05,603.67	47.47
Total ...	22,76,494.95	39,85,908.32	62,62,403.27	5,49,461.16	57,12,943.11	25,19,363.59	31,93,579.52	56.90
Extended Suburbs—								
Past and previous years	7,36,435.32	50,678.44	7,87,113.76	62,557.08	7,24,556.68	2,47,470.17	4,77,086.51	65.88
1967-68 ...	...	13,90,649.24	13,90,649.24	3,04,854.12	10,85,795.12	5,11,469.79	5,74,325.33	52.90
Total ...	7,35,435.32	14,41,327.68	21,77,763.00	3,67,411.20	18,10,351.80	7,58,939.96	10,51,411.84	58.08
Grand Total ...	56,47,520.61	1,43,29,700.71	1,99,77,221.32	21,76,771.62	1,78,00,450.70	1,05,30,200.23	72,65,730.47	40.87

Break up of outstanding

	AMOUNTS OUTSTANDING AS ON 31-3-1968.					
	City.		Suburbs.		Extended Suburbs.	
	Effective demand.	Provisional demand.	Effective demand.	Provisional demand.	Effective demand.	Provisional demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Government and Deputy Custodian of Evacuee properties	28,85,390.75	...	4,03,651.61	...	21,076.30	...
(2) Railways	...	21,56,908.86	...	...	...	...
(3) Bombay Port Trust	2,14,704.06	...	...	...	...	...
(4) Bombay Municipal Corporation (Impts.) and other Municipal Departments.	17,10,363.42	...	7,93,717.86	...	1,00,386.56	...
(5) Court Receiver, Official Assignee etc.	...	17,47,627.42	...	...	...	82,454.67
(6) Suits filed, Injunctions and Appeals against Rateable Values.	...	27,59,594.93	...	6,68,648.63	...	14,38,005.03
(7) Properties under attachment	76,18,811.69	...	85,36,856.43	...	33,71,734.94	...
(8) Complaints against Rateable Values	...	8,22,292.78	...	32,80,286.70	...	16,78,840.98
(9) Amounts involved in respect of unauthorised structures	7,76,340.75	...	22,85,957.27	...	3,11,742.30	...
(10) Amounts due from the B.E.S. & T. Undertaking	1,00,895.57	...	...	...	...	...
(11) Instalments allowed	7,87,638.90	...	...	...	...	...
(12) Disputed property taxes	...	63,21,629.21	...	64,92,728.84	...	21,49,804.37
(13) Disputes regarding wheel tax	...	60,21,824.08	...	23,00,000.00	...	3,00,000.00
(13) Bills issued at the fag end of the year	...	77,46,078.49	...	68,77,646.93	...	18,63,221.28
(15) Arrears of taxes carried forward from the records of the defunct local bodies.	...	...	...	1,10,328.85	...	52,985.00
(16) Monthly tenancy structures	...	...	12,95,375.19	...	18,80,221.85	...
(17) Amounts held in deposits	20,19,514.91	...	3,69,255.99	...	2,41,500.00	...
(18) Other Ratepayers—						
(a) Property taxes	77,94,591.41	...	2,53,06,717.56	...	41,63,646.41	...
(b) Wheel Tax	67,74,658.25	...	23,04,641.65	...	4,20,509.84	...
Total	3,06,82,914.71	2,75,75,955.77	4,12,96,173.56	1,97,29,639.95	1,05,10,823.20	75,65,291.33
Grand Total	5,82,58,870.48		6,10,25,813.51		1,80,76,114.53	25,72,925.18
Total amount recovered on 1-4-68 to 31-7-68 out of the above arrears	1,05,32,775.44		80,90,583.75			

(1) Payment was not received from the various Government Departments, before 31st March 1958. The dispute regarding payment of General Tax is still under correspondence with the Government Departments. The Deputy Custodian of Evacuee Properties pays as and when funds permit.

(2) The Railways have made 'on account' payment of Rs. 29 lacs during 1957-68. The question of appointment of an Arbitrator to fix the amount payable by the Railways for the quinquennium 1954-59 and 1959-64 is under consideration of Central Government.

(3) The payment was not received before 31st March 1968.

(4) The amount awaits adjustments.

(5) The payments are made when funds are available.

(6) The matter is pending before the Court.

(7) The Legal Assistant of this Department has been directed to take further action with regard to the sale of attached properties.

(8) The payments can be demanded after disposal of complaints against rateable values.

(9) There are various difficulties for effecting recovery of taxes from occupants of the unauthorised structures. However, efforts are being made to recover maximum amount possible.

(10) The matter is under correspondence.

(12) The matter is under correspondence.

(13) The matter is under correspondence.

(14) The amended bills were issued in the month of March, 1953 and there was no sufficient time to effect the recovery.

(15) Most of the properties no longer exist nor the owners are traceable.

(16) There are various difficulties for effecting recovery of taxes in respect of the monthly tenants structures.

(17) Amounts await adjustment.

Theatre Tax.—The rates of Theatre Tax for the year 1957-68 in City, Subs. and Extd. subs. were as under:—

Type of Entertainment	Rate of Tax	Rate of tax, if payment for a whole month is made within the first five days of the month
(1)	(2)	(3)
(1) Class I Cinema Theatre ...	Rs. 10 per show	Rs. 9.40 per show.
(2) Class II Cinema Theatre ...	Rs. 7 per show	Rs. 6.60 per show.
(3) Drama, Concert, Variety Entertainment or Tamasha	Rs. 7 per show	Rs. 6.60 per show.
(4) Circus, Carnival or Fete ...	Rs. 10 per day	Rs. 9.40 day.
(5) Any other entertainments ...	Rs. 7 per show or if there are no separate shows, Rs. 7 per day.	Rs. 6.60 per show or if there are separate shows Rs. 6.60 per day.

Cinema Theatres—

	Class I	Class 2	Total
City ...	41	19	60
Suburbs ...	14	4	18
Extended Suburbs ...	4	4	8
Total ...	59	27	86

Collection of Theatre Tax—

	1966-67	1967-68
	Rs.	Rs.
City ...	7,51,565.31	7,53,312.28
Suburbs ...	2,08,540.70	2,11,554.40
Extended Suburbs ...	81,397.20	73,509.90
Total ...	10,41,503.21	10,38,376.58

Tax collected on Race Horses—

	1966-67	1967-68
No. of horses taxed ...	1,994	2,454
Tax collected ...	Rs. 6,306.84	Rs. 6,819.18

GENERAL REMARKS

The rateable value of Railway properties was showing a downward trend on the basis of the financial statements submitted by both the Railways. The Railways, however, continued to pay the taxes upto 31-3-64 on the basis of the agreed rateable value, but stopped making payment for further period on the plea that they have made overpayment. This position was not agreeable to this Corporation and after protracted correspondence the Railways have come out with a new formula (*viz.*, contractor's test) for fixation of rateable value of Railway properties, which is applicable to other Government properties. They have since submitted the statements and they are under scrutiny. The Railways have in the meantime made an *ad-hoc* payment of Rs. 29 lacs during the year under report.

The assessment of the Bombay Port Trust properties for the quinquennium 1964-69 is in progress.

Shri Pestonji P. Kapadia, F.R.I.B.A. (Lond.), B.A., B.E. (Civil), M.I. Struct. E. (Lond.), M.I.E. (India), J.P., has been appointed to fix the rateable value of buildings and lands in Greater Bombay vesting in the State and the Central Governments for the quinquennium 1964-69. The work regarding the assessment of buildings and lands in the City Limits (old Corporation limits) has been completed and the award is under print. The work regarding the buildings and lands in the Suburbs and Extended Suburbs is in progress.

With regard to the Central Government properties covered by Article 285(1) of the Constitution the Government of India, Ministry of Finance (Department of Co-ordination) by letter, No. 4(7)-F/65, dated 29-3-67 have fixed the procedure for arriving at the quantum of service charges payable to local bodies, depending on the local services availed of by the Central Government. The Central Government have decided to pay these service charges from 1-4-1954. The decision was communicated to this Corporation in June 1967 and thereafter the claims on account of these service charges were worked out and sent to different Central Government Departments for payment in October 1967. An amount of Rs. 1,91,295.67 on account of these claims has been recovered during the year 1967-68. The amount yet to be recovered from 1-4-1954 to 31-3-1968 works out to Rs. 1,06,81,118.34. The claim relate to the last fourteen years, *i.e.*, from 1-4-1954. The different Central Government departments could not, therefore, make payment before 31-3-1968 for want of sanction of competent authorities.

With regard to Central Government properties covered by Article 285(2) of the Constitution, the Central Government have directed the departments in Bombay not to pay the sum in lieu of General Tax from 1-4-1966 onwards at a rate higher than that was prevailing prior to 1-4-1937. Some of the Central Government departments have, therefore, stopped payment of the claims from 1-4-1966. The matter has been taken up with the Central Government through the State Government.

B. H. PRABHAVALKAR,
Assessor and Collector.

APPENDIX 'A'

Classification of properties according to Rateable Values

Rateable Value.	NUMBER OF PROPERTIES		
	City.	Suburbs.	Extended Suburbs.
Below Rs. 200	27,587	20,994	9,874
Between Rs. 201 and 300	2,638	9,103	3,935
Between Rs. 301 and 400	2,683	7,434	3,501
Between Rs. 401 and 500	2,508	6,223	2,263
Between Rs. 501 and 750	3,901	6,013	3,019
Between Rs. 751 and 1,000	3,293	5,288	2,052
Between Rs. 1,001 and 1,500	4,235	5,221	2,523
Between Rs. 1,501 and 2,000	3,470	4,157	1,700
Between Rs. 2,001 and 5,000	9,879	4,979	2,468
Between Rs. 5,001 and 10,000	6,784	2,501	704
Between Rs. 10,001 and 20,000	3,915	1,383	242
Between Rs. 20,001 and 30,000	1,290	638	120
Between Rs. 30,001 and 40,000	630	191	108
Between Rs. 40,001 and 50,000	488	97	90
Between Rs. 50,001 and 1,00,000	671	115	82
Between Rs. 1,00,001 and 1,50,000...	257	51	42
Between Rs. 1,50,001 and 2,00,000...	127	9	38
Between Rs. 2,00,001 and 2,50,000...	82	3	1
Between Rs. 2,50,001 and 3,00,000...	63	7	...
Between Rs. 3,00,001 and 3,50,000...	41	1	...
Rs. 3,50,001 and above	75	3	...
Total	74,617	74,411	32,762

These figures do not include properties belonging to the Bombay Port Trust and Railways, assessed in lump.

APPENDIX 'B'

Vehicles and Animals taxed during the year 1967-68

Vehicles or Animals.	Number.
Motor lorries	14,432
Motor cars (including 8,407 taxies)	51,347
Trolleys	21
Trailors	149
Cranes	7
Motor cycles with side-cars (including 22 Auto Rickshaws)	1,021
Motor Cycles (Solo)	8,953
Four-wheeled vehicles drawn by animals	124
Two-wheeled vehicles drawn by animals	318
Handcarts	14,747
Horses	31
Ponies	28
Bullocks	411
Total	91,589

APPENDIX 'C'

Vehicles and animals taxed under the Public conveyance Act.

Hack Victoria (including 2 horses for each)	448
Labour carts (with pair of bullocks for each)	580
Handcarts	3,331
Total	4,359

OCTROI DEPARTMENT

Rates of Octroi.—The same rates of Octroi as specified in the Octroi Schedule 'H' to the B. M. C. Act as amended, continued for the year 'Under Report'.

Income.—The comparative figures of Gross collection, refunds, and nett revenue for the year 1966-67 and 1967-68 are as under:—

Item.	1966-67	1967-68	Increase over last year.
	Rs.	Rs.	Rs.
(1) Gross Collections	11,91,32,931.00	11,10,56,619.00	-80,76,312.00
(2) Refunds	1,25,77,563.00	1,34,81,991.00	+ 9,04,428.00
(3) Nett Revenue	10,65,55,368.00	9,75,74,628.00	89,80,740.00
(4) Fees for stamping	1,42,708.00	2,44,552.00	+1,01,844.00
(5) Fees in respect of Refunds	7,94,286.00	10,02,424.00	+2,08,138.00
(6) Departmental Collection	4,21,97,143.00	4,55,04,929.00	+33,07,786.00

Details of packages stamped with Municipal Marks—

Item.	1966-67	1967-68	+ Increase or - Decrease.
	Rs.	Rs.	Rs.
(i) Sugar and Gur	8,91,631	19,53,139	+10,61,508
(ii) Tea	41,578	57,454	+15,876
(iii) Edibles	4,50,289	4,07,524	-42,765
(iv) Ghee and Vegetable Products	1,368	2,209	+ 841
(v) Wines and Spirits	4,288	1,324	-2,964
(vi) Paper Bales	36,617	19,402	-17,215
(vii) Plywood crates	525	1,298	+770
(viii) Molasses	773	1,170	+397
(ix) Miscellaneous	11	1,998	+1,987
	14,27,083	24,45,518	+ 10,17,435

65,849 Refund Claims on exported goods were received during the year as against 59,334 in the previous year.

B. S. NADKARNI,
Dy. Assessor & Collector (Octroi).

ELECTION DEPARTMENT

1. As per provisions of the Maharashtra Act VIII of 1965, as amended upto date, the Municipal General Elections 1968 were to be held, for the first time, on adopting the State Assembly Election Roll and on the basis of single member constituencies, in Greater Bombay. A separate temporary Election Department was therefore created with effect from 1st September 1967 for the purpose of holding the Elections.

2. The State Assembly Election Roll for Greater Bombay as in force on 21st November 1967, duly collated and forwarded by the State Government to this Corporation was adopted as Municipal Election Roll with effect from 20th December 1967. In the said Election Roll there were 140 single member constituencies and 25,94,995 voters, as against 44 Electoral Wards and 18,54,189 voters at the time of last General Elections in 1961.

3. Tuesday the 26th March 1968 was fixed as the day for holding Municipal General Elections 1968. The polling hours were fixed from 8-00 A.M. to 5-00 P.M.

4. 838 Nominations were received upto 4th March 1968, the last date of receiving nominations. 119 candidates had withdrawn their nominations upto 11th March 1968, the last date of withdrawal of candidatures. 3 nominations were rejected as per statutory provisions. A list of 716 validly nominated candidates was published on the due date.

5. The Elections were held in 1835 polling stations in open and closed premises in 140 Electoral Wards when 29,389 Government and Municipal employees were posted for polling and counting duty, as against 283 polling stations in open premises in 44 electoral wards when 15,338 Government and Municipal employees were taken for polling and counting duty in 1961 Elections.

6. The results were declared on 28th March 1968 and were published in Government Gazette on 30th March 1968. The average percentage of voting was 59.8 as against 59.2 in the last Elections in 1961.

7. 296 Candidates lost their deposit amount as per statutory provisions. 35,670 votes were rejected as per rules and this percentage was 2.33. The maximum percentage of voting of 74.4 was from Ward No. 78 (Portuguese Church and Agar Bazar). The minimum percentage of voting of 42.4 was from Ward No. 3 (Apollo Pier and Backbay Reclamation).

B. H. FRABHAVALKAR,
*Assessor and Collector and
Special Officer (Elections).*

WATER SUPPLY PROJECTS DEPARTMENT

This Department was put under the overall supervision of the Project Engineer, Shri L. G. Dhayagude B.E. (Civil), A.M.I.E. (India) appointed from 1-4-1967.

The activities of this Department are grouped under the following heads:—

- I.—Vaitarna-cum-Tansa Scheme.
- II.—Master Plan for the Distribution of Water Supply to Greater Bombay.
- III.—Dahisar River Project.
- IV.—Upper Vaitarna Scheme.
- V.—Bhatsai River Project.
- VI.—Ulhas River Scheme.
- VII.—Mechanical and Electrical Works.
- VIII.—Miscellaneous Works such as Replacement and Enlargement of Trunk Mains, etc.

PART I

VAITARNA-CUM-TANSA SCHEME

The various works under this Scheme have been completed long since and only some land acquisition matters were in progress during the year under report. Correspondence with the Revenue Department for the transfer of Government lands to the Bombay Municipal Corporation was in progress, during the year.

PART II

MASTER PLAN FOR THE DISTRIBUTION OF WATER SUPPLY TO GREATER BOMBAY

(a) **Rawli Hill Reservoir.**—(1) Due to shortage of cement the work already awarded, could not be proceeded with for about two years. As the previous contractors, Messrs. Tolani Brothers showed their unwillingness to carry out the work due to increase in the cost of labour and material, their contract was terminated. Fresh tenders were invited and the work has now been awarded to Messrs. Killick Parkar and Co., vide S.C.R. No. 373 of 22-11-1967 at a cost of Rs. 24,23,400. The work was started on 3-1-1968 and the cost of the work done till the end of the year amounted to Rs. 49,335 approximately.

(2) (i) All the inlet and outlet mains have been laid long back from the reservoir site upto the trunk mains. The work of connecting one outlet main to one trunk main was carried out during the year; (ii) The tender invited for the work of construction of staff quarters, were received and were under scrutiny.

(b) **Gollanji Hill Reservoir.**—All the works were completed in the previous years. The approach road to the reservoir from Parel Tank Road was constructed and completed through C.E.'s Department, during the year.

(c) **Pali Hill Reservoir.**—(1) The work of construction of the reservoir was completed during the year by Messrs. Kusumkant and Co., who were awarded the contract vide S.C.R. No. 1142, dated 8-1-1964. (2) The work of construction of staff quarters has been awarded to Messrs. Vinay Construction Co., under S.C.R. No. 3315 of 31-1-1968 at a cost of Rs. 3,65,219.93. The work was started on 1-3-1968 and was under progress.

(d) **Powai Hill Reservoir (High Level)**—(1) The work of the construction was awarded to Messrs. Chaturbhuj Liladhar and Co., vide S.C.F. No. 2630, dated 20-12-1961 for a total cost of Rs. 22,11,274. The cost of the work done till the end of the year was approximately Rs. 15,50,000. (2) The electrical sub-station erected at the site of the reservoir as well as that near Powai Office was maintained during the year.

(e) **Powai Hill Reservoir (Low Level).**—Under the S.C.R. No. 3540 of 21-2-1968, the contract for the works not done by the previous contractors, Messrs. Tolani Brothers, whose contract was terminated, was awarded to Messrs. Kusumkant and Co., at a total cost of Rs. 10,42,117.65. The new contractors have started the work from 25-3-1968.

(f) **Trombay Hill Reservoir.**—Under S.C.R. No. 838, dated 26-6-1967, work of construction of the reservoir was awarded to Messrs. Shah and Pandya at a cost of Rs. 19,81,286.80. Subsequently under S.C.R. No. 2253 of 19-11-1966, the contractors were also granted 12 per cent. increase so as to compensate for increase in the cost of materials and labour. The work was completed during the year.

(g) **Ghatkopar Hill Reservoir.**—Under S.C.R. No. 2140, dated 2-11-1963, this work was awarded to Messrs. Gopaldas Vasudeo and Co., at a total cost of Rs. 7,56,225.48. Subsequently 16 per cent. increase in the rates was granted to the contractors under S.C.R. No. 2021 dated 19-10-1966.

The total cost of the work done till the end of the year was Rs. 7,69,277 approximately.

(h) **Voravali Hill High and Low Level Reservoirs.**—(1) Under S.C.R. No. 3819, dated 26-2-1964, these works were entrusted to Messrs. Bhupal Construction Co., at a total cost of Rs. 27,63,159. Subsequently under S.C.R. No. 2218 of 9-11-1966, the contractors have been granted 9 per cent. increase due to the rise in cost of labour and material.

The construction of both the reservoirs was completed during the year under review.

(2) The work of laying the part work of the Vile-Parle Outlet was completed during the year, through Messrs. New Great Construction Co., at a cost of Rs. 7,36,650 approximately.

(3) Under S.C.R. No. 1182 of 14-8-1964, the work of construction of staff quarters was entrusted to Messrs. Vikram Construction Co., at a cost of Rs. 3,07,237.74. The same could not be started for want of cement till January, 1966. The work was completed during the year.

(i) **Bhandup Hill Reservoir.**—(1) Under S.C.R. Nos. 4161 of 18-3-1964 and 3391 of 9-2-1966 the work was awarded to Messrs. Chattarsingh Motisingh and Co., at the cost of Rs. 22,45,708.50. The cost of work done till the end of the year was Rs. 10,02,552 approximately. Under S.C.R. No. 3484, dated 15-2-1968 the contractors have been granted 9.4 per cent. increase to meet rise in cost of labour and materials.

(2) The work of laying inlet and outlet mains was started in April, 1965. The work was entrusted to Messrs. Shah and Pandya, vide S.C.R. No. 407 of 22-5-1964 at a cost of Rs. 8,55,427.45. The work was completed except a portion of the outlet main which could not be laid due to unauthorised hutments along the alignment of the mains. The contract has therefore, been terminated and the remaining work will be carried out under a separate contract.

(3) Only one tender was received for the construction of staff quarters. As the rates were high, the tenders were rejected and they will be re-invited shortly.

(j) **Fabrication of steel pipes and specials.**—The work of fabricating and supplying pipes and specials required for the IIIrd Stage of the Master Plan was in progress. The cost of the work carried out during the year was about Rs. 9,17,327 as against contract amount of Rs. 19,64,634. The work has come to a stop from 11-2-1968 due to financial difficulties of the contractors, Messrs. Structural Engineering Works Ltd., for which necessary legal action is being taken.

(k) **Filtration of Water Supply.**—(1) *Model Filter Laboratory at Powai :*

(i) Regular routine test analysis were carried out at Powai Laboratory for waters of Dahisar River, Kalu River, Bhatsai River, Ulhas River, Powai Lake, Vihar Lake, Tulsi Lake and Tulsi Filtrate.

(ii) The samples of water from three mains at Powai, i.e., 72" dia. West Tansa Main, 72" dia. East Tansa Main and 96" dia. Vaitarna Main, were collected and tested regularly bacteriologically both for M.F.N. determination and for different types of organisms.

(2) *Pilot Filter Plant at Vaitarna.*—All the four pre-treatment units were in commission and further experiments were conducted to determine the most suitable and economical method of treating waters of Vaitarna, Upper Vaitarna and Tansa Lakes.

The experiments were conducted with both surface water (overflow level 167m. above T.H.D.) and water from the outlet tunnel level at 127m. above T.H.D. Various readings were recorded in log-books maintained at site.

(3) *Construction of 20 m.s.d. Vihar Water Treatment Plant.*—The work was awarded to Messrs. Vinay Construction Co., vide S.C.R. No. 910, dated 6-7-1966 at a cost of Rs. 13,84,215. The work was started on 20-12-1966. The cost of the work done till the end of the year was Rs. 6,75,990 approximately.

(4) *Vaitarna and Upper Vaitarna Water Treatment Plant.*—Tenders already received have been rejected and the work is deferred for sometime due to lack of finance.

(l) **Departmental works at Powai.**—Departmental works costing about Rs. 2,35,863.30 were completed during the year, while works costing Rs. 5,85,848.20 were in progress. The works mainly included construction of staff quarters, development of Master Plan Yard at Powai, etc.

(m) **Land Acquisition.**—(a) Further proceedings regarding the payment of compensation for the reservoir site at Veravali Hill (Low Level) Reservoir were in progress.

(b) The Milk Scheme lands are now in possession of the Municipal Corporation pending completion of transfer proceedings.

PART III

DAHISAR RIVER PROJECT

(1) The project was postponed during the year 1966-67 on the advice of the Government.

The works in hand such as the construction of semi-permanent office and stores shed were completed during the year 1967-68. They are being used by the staff engaged on the work of Driving of Tunnels and laying of pipelines, etc.

(2) **Land.**—The lands acquired for the project are still in the possession of the Corporation. It is proposed to hand them over to the Forest Department of the Government for protection.

(3) An expenditure of Rs. 58,056.45 was incurred during the year on Superior and Inferior Staff, and meeting the liabilities of the previous year.

(4) **Gauging and Rainfall Record.**—The records for hourly rainfall and river flow were maintained in monsoon from 1st June, 1967 to 31st October, 1967.

PART IV

UPPER VAITARNA SCHEME

(A) OUTSIDE CITY DIVISION

(a) (i) **Bel Nala-Pachhapur Section.**—(length about 23 K.M.): Contract for preparing formation for laying the 3000 mm. > 2750 mm. dia. main between Bel Nala and Pachhapur was awarded to Messrs New Asian Construction Co. vide S.C.R. No. 1378 of 25-8-1965, at a cost of Rs. 1,56,49,840.50 and the work was started on 1st November, 1965. Due to delay in acquisition of land, etc., the original contract period of 20 Months which was due to expire on 30th June, 1967 has been extended upto 31-3-1969.

It has been decided to provide a service road parallel to the Upper Vaitarna Main from Bel Nala to Balcum. Accordingly, the work of widening the formation for this purpose in the Mohili-Pachhapur section has been entrusted to Messrs. New Asian Construction Co., meeting the cost thereof from savings under the present contract.

The total expenditure booked upto 31-3-1968 was Rs. 60,55,048.00.

(ii) **Pachhapur Pogaon Section.**—(Length 20.8 K.M.)—The contract for preparing formation for laying the 2750 mm. dia. Upper Vaitarna Main between Pachhapur and Pogaon was awarded to Messrs. Kusumkant and Co., vide S.C.R. No. 896 of 14-7-1965 at a cost of Rs. 59,56,755.00 and the work was started on 8th March 1966. Due to delay in acquisition of land, the contract period of 16 months, which was to end on 7th November 1967 has been provisionally extended upto 31-5-1968.

In view of the decision to construct a service road from Bel Nala to Balcum, the work of widening the formation for this purpose in the Pachhapur-Nimbavli Section has been entrusted to Messrs. Kusumkant and Co., The cost of this work will be met from savings under the present contract.

The total expenditure booked upto 31-3-1968 was Rs. 23,82,915.70.

(iii) **Pogaon-Bhandup Section.**—(Length 24 K.M.)—Contract for preparation of formation for the 2750 mm. > 2500 mm. dia. pipeline between Pogaon and Bhandup was awarded to Messrs. Patel Engineering Co., Ltd., vide S.C.R. No. 1272, dated 18-8-1965 at a total cost of Rs. 93,21,240.00 and the work was started on 20th November, 1965. The original contract period of 18 months which was due to expire on 15th May 1968 has been provisionally extended upto 31-1-1969 due to difficulties such as delay in acquisition of land. Even upto this date, possession of about 4.5 K.M. of land required for formation work is not yet received.

In view of the decision to construct a service road from Bel Nala to Balcum, the work of widening the formation and constructing road there upon in the Pogaon Cundovali Section has been entrusted to Messrs. Patel Engineering Co., Ltd. The cost of the same will be met from savings under the present contract. The total expenditure booked upto 31-3-1968 was Rs. 31,71,015.18.

(iv) **Construction of Rubble-cum-Earthen embankment in portions of Kolshet-Balcum Section.**—Tenders were invited for the work of providing Rubble-cum-Earthen embankment in slushy creek area portions of Kolshet-Balcum Section. The contract for the work has been awarded to Shri Tukaram Maruti Jadhav, at a total cost of Rs. 14,04,663.75 vide S.C.R. No. 3066, dated 10-1-1968. The work has been started on 1-2-1968. The contract period is of 8 months. Expenditure booked upto 31-3-1968 was Rs. 1,11,562.50.

(v) **Tunnel across Hill at Aghai.**—The work was entrusted to Messrs. Hindustan Construction Co., Ltd., at a total cost of Rs. 8,41,782.90 vide S.C.R. No. 3 of 7-4-1967. The work was started on 22-5-1967. The original contract period of 8 months due to expire on 21-1-1968 has been provisionally extended upto 21-4-1968 on account of various difficulties such as increase in the length of tunnel, stoppage of work due to land slide during monsoon, etc.

The expenditure booked upto 31-3-1968 was Rs. 5,76,421.60.

(vi) **Bridges across Tansa River near Mohili.**—The contract for this work has been awarded to Messrs M. A. Patel and Co., at a total cost of Rs. 5,55,870 vide S.C.R. No. 314, dated 3-5-1967. The work was started on 28-11-1967. The contract period is of 8 months.

Expenditure booked upto 31-3-1968 was Rs. 91,330.07.

(vii) **Development of Yard and construction of Office and Stores Building at Agra Road.**—The contract for the work has been entrusted to Messrs. Gangadas Ramji Patel, at a total cost of Rs. 2,68,214.63 vide S.C.R. No. 2496 of 6-12-1967. The work has been started on 22-1-1968. The contract period is of 8 months.

Expenditure booked upto 31-3-1968 is Rs. 21,196.00.

(viii) **Tender for construction of Office Building at Kapurbawdi.**—All the tenders received in response to the tender notice were rejected as they were excessively high.

The work is under execution departmentally.

(ix) The work of fabricating and supplying pipes and specials for Upper Vaitarna Tunnel Project was started by Messrs. Structural Engineering Works Ltd., in January, 1964 at a cost of Rs. 7,33,068 vide S.C.R. No. 2450, dated 28-11-1963 and was completed during the year.

(x) The work of fabricating pipes and specials for Bel Nala-Pogaon and Mulund Garavi Section of Upper Vaitarna Project was started in April 1965 by Messrs. Structural Engineering Works Ltd. The work stopped from 11-2-1968 due to financial difficulties of the firm. The cost of the work done is about Rs. 60,98,661 as against contract amount of Rs. 1,40,30,070.70.

(b) **Departmental Works.**—Works costing Rs. 3,09,599.00 were completed during the year while works costing Rs. 1,40,333.00 were in progress. The works mostly included construction of staff quarters, renovation of existing structures, etc.

(B) BHANDUP DHARAVI SECTION

(i) **Bhandup-Powai and Bandra-Dharavi section.**—The work of laying 2500 mm. dia. pipe line between Bhandup and Powai and Bandra Dharavi has been awarded to Messrs. S. V. Shah under S.C.R. No. 4087 of 21-3-1967 at a total cost of R. 32,37,905.00 exclusive of supervision charges.

The contractors started the work on 12-10-1967 and it is still in progress. They have carried out the work of cutting and embanking to prepare the formation in the Bhandup and Powai Section. They have also started the work on pedestals.

The progress of Bandra-Dharavi Section, however, is hampered for want of land and access to the site of work from Dharavi Road due to encroachments of the unauthorised hutments. They have taken up the work of widening the bridge on the Bandra Creek.

The cost of the work done during the year was Rs. 5,24,217.80.

(ii) **Powai and Bandra Section.**—This work is awarded to the contractors Messrs. Concrete Construction Co. at a total cost of Rs. 54,52,216.28 exclusive of the supervision charges. They started the work on 20-12-1965. The contract period of 18 months expired on 19-6-1967.

Out of a total length of 12,000 metres of pipe line we could give them initially land sufficient to lay about 2,100 metres only. They could however lay only 1,100 metres during the contract period of 18 months.

The delay was due to lack of financial resources, and also due to non-availability of land for carrying out the work.

Although permission from various Government Agencies, like Aerodrome Officer, Superintendent Express Highway, the M.I.D.C. and others have since been obtained, it was considered advisable to restrict their work to that already in their hand—namely, a length of about 5,000 metres—between Powai Anchor Lock and Postal Colony at Sahar only and invite fresh tenders for the remaining length of 7,000 metres between Postal Colony at Sahar and Bandra. The contractors, Messrs. Concrete Construction Co., agreed to this arrangement and promised to obtain adequate financial assistance to execute the given work. They have, however, failed to live up to the promise and they have not been able to show satisfactory progress.

A warning letter has been issued to them under advice from the Solicitors, Messrs. Crawford Payley and Co., and further action as provided in the contract is proposed to be taken.

They have laid 1,051 metres of 96" dia. pipe line during the year 1967-68.

The cost of the work done upto 31-3-1968 is Rs. 8,02,260.00 exclusive of supervision charges.

(C) MULUND-KANDVLI TUNNEL AND PIPE LINE SECTION

(1) Driving of Tunnels.—

(i) The work of driving of tunnels between Mulund and Kandivli was entrusted to Messrs. Patel Engineering Co. Ltd., at a total cost of Rs. 1,19,16,270.88 (*vide* S.C.R. No. 3288, dated 28-1-1963).

The work was started on 1-3-1963 and was to be completed within 18 months time. The above estimate was based on the assumption that the tunnels will mostly pass through massive basalt formation and thus will not require cement concrete lining except at places of poor rock formation. Subsequently, it was revealed that the tunnels pass through highly weathered, jointed and fissured basalt and agglomerate formation which necessitated provision of 12" thick reinforced cement concrete lining for the entire length of tunnels. The cost of the work was, therefore, revised to Rs. 1,82,56,210.82 (*vide* S.C.R. No. 1476, dated 1-9-1965). The same is being further revised to Rs. 2,03,02,813.81.

(ii) **Excavation, reinforced cement concrete lining and grouting, etc.**—The works, *viz.*, excavation, reinforced cement concrete lining (1 : 2 : 4), invert and curb side and arch and grouting have been practically completed and the cleaning and finishing etc., works were in progress during the end of the year.

(iii) **Cost of the work.**—The cost of the work done during the year was Rs. 40,36,916.

(2) Laying of 96" dia. > 48" dia. M.S. pipe line :—

The work of laying 96" dia. M.S. pipe line at tunnel faces and in between tunnel faces and 48" dia. M.S. pipe line beyond tunnel face at Kandivli upto Western Express Highway was entrusted to Messrs. New Asian Construction Co. *vide* S.C.R. No. 3918 of 4-3-1964.

The total cost of the work was Rs. 17,76,070 exclusive of supervision. The work of laying 96" dia. M.S. pipe line was started on 8-4-1964 and was still in progress. The work was delayed entirely on account of lack of organisation on the part of the contractors.

The work of laying 48" dia. M.S. pipe line between face at Kandivli and Western Express Highway was started on 10-10-1965. Due to the non-availability of the land in the beginning this work was delayed. The pipeline was laid underground. The total cost of both these works done upto 31-3-1968 was Rs. 12,47,697.01 exclusive of supervision charges. The total cost of the work of laying the 96" > 48" dia. pipes during the year was Rs. 4,13,237.46 exclusive of the supervision charges.

Laying 36" dia. > 24" dia. C.I. Pipe Line :—

The work of laying 36" and 24" dia. C.I. pipe line was entrusted to Messrs. Vinay Construction Co., at a total cost of Rs. 8,00,210. The work was started on 20-10-1964. The lead required for jointing the C.I. pipes was not freely available in the market as a result of which the progress of the work suffered.

Experiments were, therefore, carried out on mineral lead compound proposed to be used as jointing materials (to be substituted for pig lead). The substitute on test was found satisfactory. Accordingly, further work was carried out by using mineral lead as a jointing material and the same was completed in all respects on 13-6-1967.

The cost of the work done upto 13-6-1967 exclusive of supervision charges was Rs. 5,57,561.16. The cost of work done during the year was Rs. 76,267.75 exclusive of supervision.

(4) **Construction of Chlorination House at Mulund.**—The work was entrusted to Messrs. S. W. Mungale, vide S.C.R. No. 127 of 23-4-1966, and the work was started on 28-11-1966. The contractors, however, abandoned the work as they could not cope up with the rising prices of building materials. The contract was, therefore, rescinded and security deposit of the contractors was forfeited. The cost of the work done by the contractors upto 17-5-1967, i.e., the day on which the work was abandoned by them is Rs. 10,505.71 exclusive of supervision charges. The remaining work is being carried out departmentally meeting the cost from the balance of the contract provision. The total cost of the work was Rs. 33,177.75 exclusive of supervision charges.

(5) Construction of Borivli Hill Reservoir :—

(i) **Reservoir.**—Tenders for this work were invited with tenderers' design. The tender of Messrs. Bhupal Construction Co. for a design consisting of concrete walls and R.C. Footing and costing Rs. 16,69,325 was accepted vide S.C.R. No. 1354 of 24-8-1966. The work was started on 29-12-1966. The work of excavation for preparing formation was nearly completed during the year under report. The progress was slow partly due to the peculiar strata of the boulders mixed with earth met with and partly due to the lack of organisation on the part of the contractors. The cost of the work done upto 31-3-1968 is approximately Rs. 3,30,000.

(ii) **Inlets and Outlets.**—Tenders for inlets and outlets for the reservoir were invited. As the rates of the lowest tenderer were unworkable and speculative, they are being rejected. Fresh tenders will be invited shortly.

(D) LAND ACQUISITION

I.—Powai-Mahim Division.—A total area of 26A.-29C.—14 As of private, Western Railway, M.I.D. C., Milk Scheme lands and I.I.T. land is required for laying Upper Vaitarna main. Acquisition proceedings are in progress with the respective authorities. The possession of Milk Scheme lands has been taken over by the Municipal Corporation.

Acquisition proceedings in respect of private lands required for Bhandup and Veravali Hill Reservoirs are in progress with the land acquisition officers. Transfer proceedings in respect of M.I.D.C. lands required for Veravali Hill Reservoir are in progress with M.I.D.C. authorities. The possession of site for the construction of Bhandup Hill Reservoir has been taken over partly from the land owners by negotiations.

II.—Outside City Division.—For laying the 2750 mm. dia. welded mild steel pipe line from Bel Nala to Mulund, 445 A.—28 G.—02 As. of private land, 32 A.-38G.—12 As. of Government land and 162 A.-04 G.—00 As. of Forest land is required.

The private land admeasuring 445 A.-28 G.-02 As. under acquisition is from different 43 villages of Bhiwandi, Shahapur and Thana Talukas and 44 proposals have been forwarded to the Special Land Acquisition Officer, Upper Vaitarna Scheme, Thana. Notifications under Section 4 of the Land Acquisition Act has been published in respect of 42 cases for an area of 432 A.-30 G.-10 As. and notification under Section 6 of the Land acquisition villages Act in respect of 40 cases for an area of 406 A.-16G.-02 As. and the awards in respect of 29 villages covering an area of 242 A.-09G.—00 As. are declared and compensation paid. The possession of private land admeasuring 440 A.-26G.-00 As. is obtained so far.

The services of the Special Land Acquisition Officer and his allied staff have been continued as the land acquisition work is still not completed.

The land acquisition proceedings in respect of reservoirs at Malad is in progress with the Special Land Acquisition Officer (8). The possession of Milk Scheme lands of the "Borivali Reservoir" has been taken over from the Collector, B.S.D. pending settlement of transfer proceedings in due course.

An award in case No. UV/LAQ/25 for the land required for an approach road with an area of about 1 A.-34 G.-12 As. has been declared and compensation amounting to Rs. 52,003 has been paid to the land owners through Special Land Acquisition Officer 8, excluding the interest as the possession was taken in advance to go ahead with project work.

A site for a reservoir in the area of "Trombay Township" in charge of Atomic Energy Establishment, has been selected. This is near "Janata Colony". The authorities of the Atomic Energy Estt. insisted for suitable land in exchange. The land in village Anik belonging to B.M.C. has been selected for an exchange and its correspondence for exchange purposes is in progress with the authorities of Atomic Energy Establishment.

Another site is selected on the hill near Esso Nagar Colony. This hill is under acquisition for borrow areas for "Wadala Mahul Reclamation Scheme". A proposal for transfer of an area required for the reservoir out of this hill has been forwarded to Government. Its correspondence is in progress with Government. A strip of land required, for an approach road is a private land. Steps are being taken to acquire the same.

Out of the total area of about 10 A.-06G.-09 As. required for laying 108" dia. Upper Vaitarna Main, from Mulund to Bhandup an area of about 7 A.-21 G.-10 As. is private land and an area of about 2 A.-24 G.-15 A. is Government land. Proposal for transfer of Government lands have been forwarded to Government and the

transfer proceedings are in progress. Out of the total private land 7A.-21 C.-10 As. an area of 2 A.-5 G.-6 As. has been notified under Section 4 of Land Acquisition Act, 1894. The possession of about 7A.-09 G.-13 As. has been obtained from land-owners in advance to go ahead with project works on usual terms and conditions pending completion of acquisition proceedings.

PART V

BHATSAL AND KALU RIVER SCHEMES

General.—A three-man appraisal team from the World Bank inspected the proposed dam site and alternative alignments of the pipe line Messrs. Binnie and Partners (India) Ltd. who are appointed as Consulting Engineers by the State Government are carrying out the detailed investigations of the project and have already submitted the preliminary and the Interim Reports for the same. The Government of Maharashtra have decided to carry out all the works in connection with this project upto Mulund, i.e. the outskirts of Greater Bombay and sell treated water in bulk to this Corporation at Mulund. From Mulund the work of conveyance system, the construction of reservoirs and the distribution system will be carried out by this Corporation.

UPPER KALU RIVER SCHEME

The work of gauging the river flow and the rainfall was continued during the monsoon season. The work of gauging the river was carried out at 2 places near Khapri Village while the rain gauging was done near Khapri village as well as in the catchment area near Moroshi village.

PART VI

ULHAS RIVER SCHEME

(a) This Scheme consists of pumping about 90 Mega Litres per day of raw water from Ulhas River near existing Mohone Weir into a 1200 mm. dia. steel rising main upto Water Treatment Plant near Pogaon and again pumping treated water into existing trunk main system near Pogaon.

The following works were completed during the period under report and the Scheme was brought into commission on 17th April, 1967.

- (i) Fabrication of pipes and specials and laying of pipes—Total pipe length of about 13.2 Kilometres was laid. The total cost booked for fabrication and laying of pipes was Rs. 4,00,000 during the year. The total quantity of steel plates required for the Scheme is about 3,000 Tonnes.
- (ii) Construction of Intake Channel with Pump House near Mohone Weir—Amount booked during the year was Rs. 4,00,000.
- (iii) Bridge over Kalu River.—Amount booked during the year was Rs. 6,00,000.
- (iv) Purchase of pumps and erection.—Amount booked during the year was Rs. 10,00,000.
- (v) Construction of II nd Pump House at Pogaon and an approach road to the Pump House.—Amount booked for this work during year was Rs. 8,50,000.
- (2) **Filtration Plant at Pogaon.**—The work of construction of Treatment Plant at Pogaon has been entrusted to Messrs. Candy Filters (India) Pvt. Ltd., at a total cost of Rs. 21,23,178.00. Nearly 80 per cent. of the work has been completed. The total cost booked during the year was Rs. 6,00,000.
- (3) **Construction of permanent staff quarters at Mohone and Pogaon.**—This work has been entrusted to Messrs. Steel and Roof Construction Corporation at a total cost of Rs. 8,97,099.00 *vide* S. C. R. No. 4026, dated the 21st March 1967. The work started on 6th April 1967 and the cost of work done during the year was Rs. 4,50,000.
- (4) The work of fabricating pipes and specials for Ulhas Project was entrusted to Messrs. Indian Hume Pipe Co. Ltd., *vide* S. C. R. No. 3794 dated 23rd February 1966. The work was completed during the year.

(b) **Land Acquisition.**—The private lands admeasuring about 67 Acres from different 12 villages of Kalyan and Bhiwandi Talukas of Thana District, have already been requisitioned under the Defence of India Act 1962 for the period of 5 years on payment of rental compensation. The scheme has since been completed and commissioned. Since the lands are required permanently the same are being acquired under Land Acquisition Act, 1894, since acquisition under Defence of India Act, 1962 is not possible owing to revocation of National Emergency. The Collector of Thana has fixed rents payable to the land owners and further action in respect thereof is in progress.

As regards the transfer of Govt. land under Revenue and Forest Department, the transfer proceeding are in progress with the Govt. authorities.

PART VII

MECHANICAL AND ELECTRICAL WORKS

(1) The Mechanical and Electrical Section provided chlorination equipment and electrical power at various reservoirs as detailed below during the year under report.

Chlorination Plants.

Name of the Reservoir	Name of the contractor	Cost of the plant	S.C.R. No. and Date	Remarks
Pali	Messrs. Candy Filters (India) Pvt. Ltd.	Rs. 35,742.00+ S.T.+G.T.	1464 of 31-8-1966	Commissioned on 1-7-1967.
(2) Trombay	Messrs. Indian Engineering Corporation.	43,350.00+ S.T.+G.T.	1031 of 20-7-1967	(1) Installation work completed on 28-7-1967. (2) For want of power, testing could not be carried out.
(3) Veravali High Level.	Do.	28,375.00+ S.T.+G.T.	451 of 19-5-1967	(1) Equipment supplied by the firm in November, 1967. (2) Installation work will be taken in hand after the control room is ready.
(4) Ghatkopar	...	...	...	Tenders received on 13-2-1968 were scrutinized. Sanction is awaited.
(5) Bhandup	...	...	...	Specifications and estimates have been prepared.
(6) Borivali	...	...	...	Do. Tenders are under preparation.
(7) Mulund Tunnel works.	Messrs. Candy Filters (India) Pvt. Ltd.	75,720.00+ S.T.+G.T.	1004 of 21-7-1965	(1) Erection completed (2) Testing could not be carried out as the tunnel was not charged.

Electric Power.

Name of the Reservoir	Load sanctioned	Name of contractor/ Supply Co.	Estimated Cost	Remarks
(1) Pali	120 K.W.	Messrs. Bombay Suburban Elect. Supply Co. Ltd.	Rs. 13,241	Supply connected on 9-5-1967.
(2) Trombay	150 K.W.	Do.	42,086	Sub-Station is charged. Supply is not yet connected.
(3) Veravali High Level.	...	...	...	Estimate is under preparation.
(4) Veravali Low Level...	...	Messrs. Bombay Sub. Elect. Supply Co. Ltd.	6,777	Supply is connected.
(5) Staff quarters and control room. Electrical installation.	...	Messrs. Jadav Brothers.	36,189 under S.C. R. No. 3043 of 10-1-68.	The cost of work till the end of the year was Rs. 8,000.
(6) Ghatkopar	100 K.W.	Messrs. Bombay Sub. Elect. Supply Co. Ltd.	...	Estimate from the supply Co. is awaited.
(7) Bhandup	...	Messrs. Thana Elect. Supply Co. Ltd.	...	Estimate from the supply Co. for getting High Tension Supply is awaited.
(8) Borivali	...	Messrs. Bombay Sub. Elect. Supply Co. Ltd.	...	The reply from the Supply Co. for grant of power is awaited.
(9) Mulund Tunnel Works. Fixing of Level Recorders, Office Meters, etc.	...	Messrs. Thana Elect. Supply Co. Ltd.	1,046	Supply is connected in March, 1968.

At each of the reservoir float operated electronic level indicators and recorders are being fixed. Panels have been prepared for 3 Reservoirs and are under test. 11 Nos. Office Meters at a total cost of Rs. 1,06,938 plus Taxes have been purchased from Messrs. Mahindra Engineering Co. Ltd. as per S.C. R. No. 257 of 26th April 1967.

(II) **Purchase of tools and equipments:**—(a) During the year under report, this section purchased machinery required for the Deptt. as follows :—

(i) 44 Nos. of Push Trolleys and Push Wagons at a total cost of Rs. 46,952 plus Taxes.

(ii) 2 Nos. of 100 H. P. pumps for Trombay at total cost of Rs. 63,540.00 plus taxes.

This section also maintained in running conditions a fleet of Plant and Equipments composed of generators, compressors, concrete mixers, vibrators, etc.. A workshop with its equipment was maintained to carry out structural works required for departmental works.

(b) Departmental Works also attended by the section during the year under report :—

Serial No.	Name of the work	Progress	Estimated Cost
			Rs.
1	Electrical wiring in the chlorine house, pump house and control room at Pali Hill Reservoir.	Work completed.	6,000.00
2	Modification in the electrical wiring at Vakola Quarters required for shifting energy meters.	Do.	1,000.00
3	Electrical wiring in the chlorine house, control room, pump house, office, etc. at Trombay Hill Reservoir.	Do.	13,248.00
4	Electrical wiring in the chlorine house, stores, office, etc., at Mulund.	Do.	3,590.00
5	Installation of pumps at Trombay Hill Reservoir	... Preliminary works completed.	8,000.00

(III) **Pumping Lower Contents of Tansa Lake.**—The plans and estimates amounting to Rs. 15,66,200 were submitted and sanctioned by W. C. (City) *viae* Resolution No. 440 dated 3rd February 1967 and C. R. No. 1757, dated 9th February 1967 for the scheme of pumping lower contents of Tansa. 4 Nos. of pumps costing Rs. 1,01,050 were received for this work. Electric supply lines of 11 K. W. were laid upto Tansa by the Maharashtra State Electricity Board at a total cost of Rs. 1,91,000.00. This scheme was, however, abandoned due to improved lake levels.

A revised proposal with plans and estimates amounting to Rs. 50,53,138 for providing booster pumping station at Tansa was submitted by this section. Meanwhile, the report from the World Bank Consultants, which was submitted to Govt. described the possibility of drawing more quantities from Vaitarna and Tansa Lake by pumping and also suggested to provide one more outlet at 365 T. H. D. on Tansa. They also mentioned that Tansa Boosting Scheme should take into consideration all above possibilities. This matter, is therefore, under further consideration.

The remaining works of electrification of filter plant; quarters, office, etc. and other remaining mechanical works were carried out as detailed below departmentally :—

(i) *Providing chequer plates.*—Estimated cost of Rs. 4,750.00.

(ii) *Filter Plant.*—The equipment was tested and was kept ready for going into commission.

Electric power to filter plant : Estimated cost Rs. 7,924.00.

(iii) *Electrification of Quarters at Mohone and Pogaon.*—at an estimated cost of Rs. 23,969.00.

(iv) *Electrification of Offices of E. E. (Ulhas) at Kalyan, Bhiwandi Bridge.*—At an estimated cost of Rs. 9,657.00.

(v) *Supply and erection of Oil Circuit Breakers at Mohone and Pogaon :—*

The order for 2 Nos. of 22 KV, LGTC/44 Type, Oil Circuit Breakers was placed on Messrs. Heavy Electrical Ltd., at a total cost of Rs. 87,500 plus taxes, *vide* S. C. R. No. 3134, dated 19th January 1967. Separate order for combined control and relay panels at an estimated cost of Rs. 11,160 was placed on the same firm *vide* S. C. R. No. 2659 dated 31st October 1967. Messrs. Heavy Electricals Ltd., have supplied the Oil Circuit Breakers at Master Plan Works Stores, Powai. The delivery of combined relay and control panels is expected in the month of July, 1968. Tender specifications for purchase of accessories and erection were under preparation at the end of the year.

PART VIII

MISCELLANEOUS WORKS

(1) *Laying 1400 mm. dia. main round the Raec Course.*—The work of extending 1400 mm. dia. pipe line from Haines Road Junction to Clerk Road, was entrusted to Messrs. Concrete Construction Co. *vide* S. C. R. No. 1454 dated the 1st September 1965 at a cost of Rs. 4,90,239.25. The work was started in October, 1965 and completed during the year under review.

(2) The work for the investigation of Powai masonry dam was entrusted to Messrs. Cementation Co. under S. C. R. No. 4368, dated the 30th March 1966. The said work was completed during the year.

(3) The work of fabrication and laying 2 Nos. 1800 mm. M. S. pipe lines replacing the existing 2-57" dia. corroded pipe lines has been awarded to Messrs. Indian Hume Pipe Co. and Messrs. R. N. Ghanekar and Co. under S. C. R. No. 2520 and 2939 dated 6th December 1957 and 5th January 1958. The work has been started just before the end of the year.

(4) **Modification to the existing Intake Tower.**—Under S. C. R. No. 1152, dated the 2nd August 1967, the contract for the work of Modification to the existing Intake Tower at Vaitarna Lake was awarded to Messrs. Hydraulic and General Engineers (Pvt.) Ltd., at a cost of Rs. 15,47,490. The work was started on 15th August 1967 and is likely to be completed by June, 1969. The total expenditure booked till 31st March 1968 was Rs. 2,31,000. The work of providing one pair of Gate at R. L. 520 T. H. D. is completed and an additional pair of Gates at R. L. 460 T. H. D. will also be installed by the end of June 1968.

(5) **Repairs to road from Atgaon Level Crossing to Tambha Village, Vaitarna.**—The plans and estimates have been prepared and submitted to Works Committee for sanction.

(6) **Filtration Plant for Vaitarna and Upper Vaitarna Waters.**—Detailed contour survey of the proposed site near Aghai Tunnel was carried out. Trial pits at selected points were also taken. Plans and estimates of staff quarters for filtration plant were also prepared and the land for the same was acquired.

(7) **Enlargement works between Gundvali and Keshli.**—Contract for this work had been awarded to Messrs. Structural Engineering Works Ltd. at a cost of Rs. 17,45,167.17 vide S. C. R. No. 1214 of 14th August, 1964. As, however, the progress was very unsatisfactory and the contractors failed to complete the work even after granting extension in contract period, they were given notice asking them to withdraw from the works from 1st September 1967.

Fresh tenders have been invited for completing the remaining work at the risk and cost of the defaulting contractors and the tenders received are under consideration.

L. G. DHAYAGUDE,
Project Engineer.

CITY ENGINEER'S DEPARTMENT

1. There was no occasion to invoke provisions of Bombay Municipal Servant's Act 1890.

I—PLANNING

2. This Branch is divided into three sections. One section deals with proposals in connection with building works, layout of slum clearance schemes and the areas to be developed, Housing in Greater Bombay etc. The second section deals with proposals for sub ways and over bridges. And the third section deals with proposals in respect of drain sewers and other miscellaneous Engineering projects.

I—(A) Planning (Architectural).

During the year, this section prepared plans and estimates in connection with different building works (and housing in Greater Bombay) as summarised below :—

Particulars	General Bldg. works in City	Housing in Greater Bombay.
(i) Contract Plans	17	22
(ii) Cloth Tracing	51	24
(iii) Paper Tracing	230	41
(iv) Blue-Print copies	6,429	4,048
(v) Block Estimates	2	...
(vi) Total amount of Block Estimates ... ..	... Rs. 7,95,000.00	...
(vii) Detailed plans and estimates completed in all respect (as shown below)	30	18
(viii) Total amount of detailed Estimates ... ..	... Rs. 95,48,765	1,32,50,162.50
(ix) Draft Tender	25	23
(x) Detailed Estimate in hand	13	3
(xi) Total approximate cost of detailed estimate in hand	...Rs. 1,13,15,000	Rs. 20,30,000

Particulars of detailed plans and estimates completed in all respects as mentioned above :—

Particulars	No. of Estimates	Estimated cost.
		Rs.
(a) Schools (Permanent)	5	9,03,027
Schools (Temporary)	1	53,498
(b) Centralised Ward Office ... ..	...	...
(c) Markets ... ..	...	...
(d) Hospitals Maternity Homes and Dispensaries	5	26,81,220
(e) Miscellaneous	19	59,06,044
	30	95,48,789

I—(B) Planning (Bridges).

Particulars	Works (City)
(i) Contract Plans ... ..	...
(ii) Cloth Tracing ... ..	...
(iii) Paper Tracing	11
(iv) Blue Print Copies	119
(v) Block Estimates	4
(vi) Total amount of block Estimates	Rs. 26,00,011
(vii) Detailed plans and estimated completed in all respects	6
(viii) Total amount of detailed estimates	Rs. 30,18,011
(ix) Draft Tenders	1
(x) Detailed Estimates in hand	1
(xi) Total approximate cost of detailed estimates	4,50,000
(xii) Scrutiny of plans received from—	
(a) Railways	1
(b) Private Parties	1
(xiii) Scrutiny of estimates received from Railways	1

Particulars of detailed plans and estimates completed in all respects as mentioned above :—

Particulars.	No. of Estimates	Estimated cost.
		Rs.
(a) Bridges	6	30,18,011
(b) Miscellaneous ... ..	...	...

I—(C) Planning (General) Sewers and Storm Water Drains.

The abstract of works done during the year is as follows :—

Particulars	City
(1) Paper Tracing	120
(2) Cloth Tracing	46
(3) Contract Plans	25
(4) Blue-Print Copies	2,402
(5) New Estimates	} Rs. 1,11,40,548
(6) Revised Estimates	

I—(D) Planning (Electrical)

Particulars	No. of Estimates	Estimated cost.
		Rs.
(a) Schools (Permanent)	18	6,48,741
Schools (Temporary)	1	2,400
(b) Centralised Ward Offices	3	2,14,540
(c) Markets	4	3,76,030
(d) Hospitals, Dispensaries, Maternity Homes, Nurses Quarters, Medical College	14	5,49,889
(e) Housing	32	24,51,980
(f) Cemetary ... ..	...	...
(g) Gardens ... ..	...	...
(h) Miscellaneous	11	5,35,525
(i) Electrical Lifts	6	4,20,140
(j) Air Conditioning Plants	17	7,40,614
(k) Miscellaneous Plant and Machinery	5	1,28,273
Total	111	60,74,142

I—(E) Planning, Housing in Greater Bombay.

Particulars	No. of Estimates	Estimated cost.
		Rs.
(a) Housing Proposals	16	1,29,54,775
(b) Miscellaneous ... ..	...	...

I—(F) Special Technical Unit.

The Executive Engineer (Vigilance) is in charge of the Vigilance Branch attached to M.C.'s office and he is assisted by two Assistant Engineers (Vigilance) and two Sub Engineers (Vigilance) in the working of this unit. He continues to discharge multifarious duties including rendering guidance to the staff in technical and establishment matters, scrutiny of technical staff proposals, surprise checks on construction works in progress to determine if the work is being executed as per design and specifications and for exercising control on workmanship, investigating various complaints of a serious nature connected with engineering branch received from public, etc. The department also functions as a co-ordinating agency of the work of different units of engineering Section, assisting the administration in matters where policy revision, etc., is involved overall supervision and checking over the normal working of different branches and Ward Offices, Co-ordinating the different wings of the Municipal Administration for implementing the decisions of Statutory Committees and the Municipal Commissioner.

The Vigilance Branch assists the Municipal Commissioner in all technical matters. In addition this branch assists the Municipal Commissioner in arranging co-ordinating meetings of all officers in the Municipal Corporation and maintaining minutes of such meetings.

I—(G) Slaughter House Project at Deonar.

During the year under report, the progress of various works pertaining to the project is as shown below :—

Name of the work.	Progress.
(1) Supplying and erecting Machinery and electrical equipment for the Proposed Slaughter House (Foreign Contents). Contractors—Messrs. W. J. Powell Overseas Private Limited.	The contractors have supplied first instalment of machinery worth Rs. 15 lacs approx. against the Import Licence of Rs. 17, 31,516. The work of fabricating and assembling is in full swing at the factory of Messrs. Steel Plant Pvt. Ltd., who are their licencees in India. Payments are regularly made as per the terms of the contract and the amount expended as on 31-3-1968 is Rs. 11,33,173.61.
(2) Supplying and erecting Machinery and Electrical equipment for the Slaughter House (Indigenous Content). Contractors:—Messrs. Steel Plant Private Limited.	They have cleared the goods from the docks and they have started fabricating the machinery. They have supplied machinery worth Rs. 2,50,697.54 at site. The progress of the work is quite satisfactory.
Both the above contracts were revised so as to incorporate modern trends of hygiene and sanitation in the Slaughtering of the animals and the revised cost works out Rs. 1,10,06,180.	
(3) Construction of Buildings for Slaughter House at Deonar (part)—(1) Sheep and Goat and Pig Slaughter House:— Contractors:—Messrs. Rajpuria Construction Corporation. Contract Allotment of Rs. 19,93,800.	The work has progressed well but due to non-clearance of site, the contractor of Pigs Slaughter House could not be taken up in hand. The hutment dwellers occupying the site have brought injunction and the matter has become subjudice and it may take a few months more to complete the work. An amount of Rs. 8,91,380.44 has been expended upto 31-3-1968.
(4) Construction of buildings for Slaughter House at Deonar (part II) Cattle Slaughter House and Edible and Inedible Rendering Plant. Contractors:—Messrs Rajpuria Construction Corporation. Contract allotment Rs. 11,00,406.	The work of construction has been started on 8th January 1968 and the value of the work so far executed is of Rs. 1,65,687.69.
(5) Construction of buildings for Slaughter House at Deonar (part III)—(i) Jewish & Jhattka Slaughter House and (ii) Amenity Building. Contractors: Messrs. Krishna Construction Co. Contract allotment—Rs. 8,52,721.	The work was started on 19th December 1967 and the value of the work done upto 31st March 1968 is of Rs. 2,79,958.31.
The following two works were also required to be taken in hand for rehabilitation of the hutment dwellers occupying the site of Slaughter House.	
(6) The construction of Aqua privies and Washing Places. Contractors: Messrs. Kokan Construction Contract allotment Rs. 7,16,740.41.	This work was started on 15th January 1968 and the contractors carried out the work of the value of Rs. 3,09,948.23 upto 31-3-1968. The progress is quite satisfactory.
(7) Construction of passages at Deonar Hutment Colony. Contractors: Messrs. Union Construction Co.—Contract allotment Rs. 2,89,040.88.	The work was started on 4th December 1967 and the work is almost complete except for certain final touches. The value of work carried out upto 31-3-1968 is of Rs. 2,53,574.20.

Besides, Administrative approval to the plans and estimates amounting to Rs. 74,40,213 of the following works have also been received but due to the shortage of funds works were required to be postponed.

- | | |
|---|----------------------------|
| (i) 252 Tenements at Deonar Slaughter House—
1st phase. | } Post-poned indefinitely. |
| (ii) Do. 2nd phase. | |
| (iii) Compound Wall. | |
| (iv) Construction of buildings for Slaughter House sheep, Cattle pig & Emergency pens.
Contractors: Messrs. Vichare & Co.—
Contract allotment Rs. 13,45,432. | |
| (v) Construction of buildings for Slaughter House, Dalal's Office, Canteen and Shroff's Office.
Contractors: Messrs. Kalpana Construction Co. Contract allotment Rs. 5,74,104. | |

The work of preparing plans and estimates for further works is in progress.

I-(H) Slum Clearance.

This branch is mainly concerned with the following functions :—

(1) Preliminary Survey of Slum Areas, declaration of Slum areas as "Clearance Areas", making of Clearance Orders and "Compulsory Acquisition Orders" under the provision of Section 354R of the Bombay Municipal Corporation Act.

(2) Acquisition of Slum properties falling under the Clearance areas, rehabilitation of Slum dwellers, demolition of the buildings in the Clearance areas.

(3) Formulation of schemes for the development of Clearance areas, with financial assistance from the Government under the Government of India's Slum Clearance Scheme.

The progress of various works under the Slum Clearance Schemes during the year under report was as under :—

A—Clearance of Private Slums

Name of the Clearance Areas.	Progress.
(1) Clearance area of Dhobi Chawls	No progress was made by the owner during the year under report to develop the property in response to the Clearance order served on him. Negotiations for an amicable settlement between the owner and the tenants were in progress and a partial settlement is envisaged.
(2) Clearance Area Hirvi Chawls Arthur Road Tardeo.	It was not possible during the year under report to get the acquired property vacated for the demolition as the tenants insisted upon alternative accommodations in the same area, as against accommodation offered in the Suburbs.
(3) Clearance Area, Gora-Gandhi and Ganjawala Chawls, Arthur Road, Tardeo.	The Compulsory acquisition order No. 12 was confirmed by the State Government and the same became operative with effect from 15th December 1966. The State Government was, thereafter, requested on 1st March 1967, to appoint a Special Officer to start acquisition proceedings which has not been done, in spite of repeated requests and reminders.
(4) Papanaswadi at Gowalia Tank Road.	A proposal to grant authority to the Municipal Commissioner to acquire the properties by a 'Compulsory Acquisition Order' was referred back to the Municipal Commissioner by the Improvements Committee under their Resolution Mo. 98 dated 19th July 1966, for reconsideration and for further report in the light of discussion that took place in the meeting. Hereafter, a request was received from the owners to allow them to develop the property with the condition that they would rehabilitate all the tenants on the property after redevelopment. The matter has not yet been finalised as the owners have not agreed to the conditions imposed by the Municipal Commissioner.
(5) Swastic Garage, Gowalia Tank Road.	The Improvements Committee under their Resolution No. 97 dated 19th July 1966, authorised the Municipal Commissioner to make a compulsory acquisition order. However, as it was noticed that there was some variation in the C. S. Nos. of the areas, a revised proposal was submitted to the Corporation for approval and the same was approved by the Corporation vide C. R. No. 172 dated 10th May 1967. Further action was in progress.
(6) C.S. No. 1/653, Forjet Street.	The Improvements Committee under their Resolution No. 80 dated 5th July 1966 have authorised the Municipal Commissioner to make a 'Compulsory Acquisition Order' to acquire the area. Accordingly, a compulsory acquisition order was made by the Municipal Commissioner. As, however, due to some omission in quoting C. S. Nos., a revised proposal was submitted. The area is now declared afresh as a clearance area vide C. R. No. 1467 dated 25th January 1968. Further action is in progress.
(7) Sarkari Tabela, Jagannath Shankar Seth Road.	The Improvements Committee under their Resolution No. 88 dated 5th July 1966, authorised the Municipal Commissioner to make a compulsory Acquisition Order to acquire the land comprised in the area. Accordingly, a C. A. O. No. 12 was made by the Municipal Commissioner on 23rd November 1966 and the same was published in the Government Gazette and local newspapers on 22nd December 1966. The Compulsory Acquisition Order was then submitted to the State Government for approval and the same was confirmed by the State Government vide their C.R. No. U.D.F.H. & H. D.-EMC-4666-76913-C, dated 20th February 1968.

Name of the Clearance Areas.	Progress.
(8) Kamathipura Sector M-1	The area is partially developed. An injunction brought by one of the tenants of the building was vacated and the building was completely demolished on 11th August 1967. The work of constructing 45 tenements and 12 shops was started on 22nd November 1967.
(9) Kamathipura Sector B-1.	The non residential user Viz...Dyeing and Bleaching works were removed at the close of the year. The Timber shops could not be shifted from the area due to non-availability of alternative sites. These alternative sites have now been finalised.
(10) Kamathipura Sector B-2.	After completing the procedure under the Slum Clearance Scheme, the possession of the area was received on 11th June 1966. During the year six buildings were completely demolished after shifting the tenants. The work of shifting the tenants and demolition of the remaining buildings was in progress.
(11) Kamathipura Sector C-1, D-1, N-1 & G-2.	After the Compulsory Acquisition Order was confirmed by the State Government, the Collector of Bombay was requested to start acquisition proceedings so as to hand over possession of the area to the Corporation. Possession of the area was awaited.
(12) Match Factory Lane, Kurla.	Possession of the area was received on 27th October 1966. The work of making an inventory of tenants was completed.
(13) Jawahar Nagar, Khar, Sector-F.	The notice for making of a "Compulsory Acquisition Order" was published in the Government Gazette and Local News Papers on 2nd June 1966 and copies of the same were served on the owners primarily liable to pay the property taxes, inviting their objections if any. The objections received are under scrutiny. As some of the areas falling in the Clearance area belongs to the Collector of Bombay and some are to the Central Excise Department, references were made to them to hand over the land to the Corporation and their replies were awaited. The offices of the Ministers of Urban Development have also been utilized to expedite the hand over.
(14) Koliwada, Sector A, Colaba.	A preliminary Survey was made. The area was declared as a "Clearance Area" under Section 354-R of the Bombay Municipal Corporation Act by the Corporation vide their Resolution No. 1258 dated 22nd January 1968. Further action was in progress.
(15) Kach Karkhana Chawls at G. D. Ambekar Marg, F/South Ward.	A preliminary Survey was made. A proposal for declaring the area as a "Clearance Area" was submitted to the Corporation for approval and the same was awaited.

B.—Municipal Slums.

No. of slums cleared and development completed so far.	No. of slums under clearance and redevelopment in stages as on 31st March 1968.
17	6

C—Tenements under Government of India Subsidised Slum Clearance Areas.

No. of tenements sanctioned till 31-3-1968.	No. of tenements completed during the year.	Total No. of Tenement completed upto 31-3-1968	No. of new tenements started during the year.	Total No. of tenements in progress on 31-3-1968.
6023	60	4315	...	760

D—Financial Assistance from Government under subsidised Slum Clearance Scheme.

Loan and Subsidy received from the Government.

A—Loan.

				Rs.
Previously Received	...	...	...	1,04,94,849
Received during the year under the Report	...	...	...	6,73,056
			Total	1,11,67,905

B—Subsidy.

Previously received	...	...	...	1,29,21,221.
Received during the year under report	...	...	...	9,67,047
			Total	1,38,88,268

I—(1) Municipal Materials Testing Laboratory.

The Municipal Testing Laboratory carries out the work of testing of bricks and cement for the Corporation, Government bodies and Private parties.

The following Statements show the No. of various samples tested in the Materials Testing Laboratory at Worli during the year 1967-68 and the total cost thereof actually recovered on account of testing these materials for departmental works, Government Works etc.

Statement No. 1 Nos. of samples tested

Particulars of samples	Nos. of samples actually tested.			
	Department works.	Government works.	Private works.	Total.
(1) Concrete	4,745	3,591	3,006	11,342
(2) Bricks	800	85	55	940
(3) Cement	81	...	44	125

Statement No. 2 Cost recovered on account of testing.

Samples tested.	Cost of testing actually recovered			Total
	Department works.	Government works.	Private works.	
	Rs.	Rs.	Rs.	Rs.
(1) Concrete	2,698	12,252	20,688	35,638
(2) Bricks	5,120	544	352	6,016
(3) Cement	4,645	...	3,960	8,605
(4) Hire of Moulds	1,804	...	...	1,804
			Total	52,063
			Cost of testing concrete & Cement samples tested free of cost (Not recovered)	15,556
			Net cost of works	67,619

II.—CONSTRUCTION BRANCH

(A) Building Construction.

This branch supervises the work of Building Construction after award of contracts by Planning and Design Branch.

Building Construction activities during the year are given below :—

	Completed works		Works in Progress	
	Nos.	Total cost. (Actual)	Nos.	Total cost. (Estimated)
		Rs.		Rs.
(1) Building other than (Housing)—				
(a) City	15	1,08,44,728	25	4,12,58,486.00
(b) Suburbs and Extended Suburbs	11	43,11,740	29	12,74,87,582.00
(2) Housing—				
(a) City	4	39,52,762	11	4,39,43,658.00
(b) Suburbs & Extended Suburbs	4	12,78,680	9	1,87,77,818.00

Following Major works were in progress during the year.

Serial No.	Estimated cost.
	Rs.
<i>(A) Building other than Housing.</i>	
1 Construction of centralised B Ward Office Building and staff quarters at Babula Tank Road.	15,48,900.00
2 Construction of a building for the whole sales -cum-retail market for Fish, Beef and offices at Paton Road, Fort	89,69,344.02
3 Construction of a Kitchen to the use of Hosnital and staff and L.T.M.G. Hospital at Sion	49,34,046.00
(b) Construction of a building No. 3 and extension to building No. 1 at L.T.M.G. Sion.	
4 Superstructure work for the proposed construction of a building for a dental College for B.Y.L. Charitable Hospital at the site of Savoy Hotel Dr. A. L. Nair Road.	40,06,603.00
5 Superstructure work, for Hospital building in the premises of B.Y.L. Nair Hospital Compound.	82,44,076.93
6 Superstructure work for the construction of market at Worli Neighbourhood Area Colony with library Hall and Residential quarters on upper floors.	18,64,376.00
7 Construction of 250 bedded Hospital at Juhu Development Scheme at Vile Parle.	83,74,713.00
8 Construction of Western approach to Rail overbridge at Andheri.	
9 Do. Eastern approach Do.	21,26,187.00
10 Construction of school building at Sanyas ashram Road, Vile Parle.	9,08,022.00
11 Construction of school building at Govind Nagar, Malad	12,25,355.00
12 Construction of school building at Po'sar village at Kandivli	12,78,138.00
13 Construction of dispensary with Maternity Home and Nurses' Quarters at Chunabhatti	9,88,455.00
14 Construction of school building at Municipal Housing Colony, Deonar.	11,11,420.00
15 Construction of a Swimming Pool on plot No. 195 Town Planning Scheme III Ghatkopar.	11,07,707.00
16 Construction of Swimming Pool at Mahatma Gandhi Road, Kandivli	11,31,257.00

(B) Housing other than Housing under Slum Clearance with Government Aid.

Serial No.	Estimated cost.
	Rs.
1 Construction of 30 self contained tenements at Peru Chawl Lalbaug	2,53,490.00
2 Construction of 44 self contained tenements at Dada Saheb Falke Road	2,51,589.00
3 Construction of 32 tenements and 10 shops at Raoli Camp, Sion	6,26,822.00
4 Superstructure work of 17 buildings at Dharavi	
5 Superstructure work of 10 buildings E and A type at Dharavi	1,83,93,973.00
6 Superstructure work of 20 buildings C type at Dharavi	
7 Construction of 240 tenements at Haji Ali Park (Superstructure).	85,56,312.19
8 R. C. C. suction tank, pump rooms and R. C. C. overhead storage tanks and towards at Municipal housing colony at Dharavi.	It is included in sr. No. 4, 5 & 6
9 Construction of 358 tenements at Co-operative Housing of Municipal staff and Councillors at Worli.	91,48,891.25
10 Construction of 120 tenements at Tata Compound at Andheri	14,21,184.00
11 Construction of 422 self contained tenement at Municipal land at Deonar.	
12 Construction of 160 self contained tenements on Municipal land at Deonar	1,39,86,077.00
13 Filling and construction W.G. & W.P. for hutment dwellers colony at Ghatkopar(E)	16,20,577.00
<i>(C) Housing under Slum Clearance Scheme with Government Aid.</i>	
1 Construction of Building with 12 shops and 45 tenements in No. 1 area Kamathipura...	5,33,632.80
2 Construction of 3, 2 tenements and 8 shops at Raoli Camp, Sion.	33,23,099.00
3 Construction of 328 tenements and 12 shops at Raoli Camp, Sion	29,55,849.55

Activities on school Building Works were as follows :

	Works completed		Works in-progress	
	Nos.	Actual cost	Nos.	Estimated Cost.
City	3	Rs. 43,04,195	9	Rs. 45,10,550
Suburbs & Extended Suburbs	7	22,94,097	13	86,73,280

The works of cutting and filling in the Deonar Slaughter House site was transferred to E.E. Slaughter House.

Statement showing the works completed and works in progress appears as Appendix No. 1.

II-(B) Roads Construction Branch (City).

This branch is in charge of the works of:—

- (i) Preparing plans and estimates of Resurfacing of existing roads Constructions of new roads, widening of roads and Improving private streets in the City :—
- (ii) Invitation of tenders and awarding contracts of road works.
- (iii) Supervision of road works and
- (iv) Invitation of tenders for the supply of quarry materials, Road metals, bitumen, filler powder etc. and awarding contracts.

During this year 25 estimates for Resurfacing City Roads, 10 for construction of new roads and 3 for widening of roads were prepared.

25 tenders for road works were invited and 16 were awarded to the Contractors for the execution of the works.

44 tenders for the supply of road metals etc. were invited and recommended after scrutiny.

During this year this branch has completed the work of:—

- (i) Resurfacing 11 roads with asphaltic concrete
- (ii) Construction of new roads at 8 sites.
- (iii) Widening 7 roads and
- (iv) Improving 1 private street as shown in the Appendix 1. The existing pathways in Victoria Gardens were also resurfaced with hot mix premix seal coat.

At present the works of resurfacing 10 roads, constructing new roads at 5 sites, widening 5 roads and improving 1 private street as shown in Appendix 3., are in progress. The works of providing approaches to Kennedy Bridge and Dharavi Bridge near Lokmanya Tilak Hospital are also in progress.

The Expenditure incurred during the year is as shown below:—

	Rs.
(1) Road surfacing works in asphaltic concrete	29,50,167.30
(2) Construction of new roads	31,11,612.23
(3) Road widening	22,46,679.83
(4) Improving private streets	18,974.28
Total	83,27,433.64

II-(C) Construction of sewers S. W. drains & sewage Purification Works (City).

The progress of works on sewers & S. W. drains during the years under review is as under:—

Sr. No.	PARTICULARS.	Through contractors.
(1) Total length of sewers & S. S. Mains of various sizes		17,182 Sft.
(2) Total No. of Manholes provided on sewers		749 Nos.
(3) Total No. of ventshafts provided on sewers		30 Nos.
(4) Cost incurred on laying the sewer & S. S. Mains		
<i>Storm water drain.</i>		
(1) Total length of S. W. drains laid		29,176 Rft.
(2) Total No. of manholes provided on the drain.		303 Nos.
(3) Total No. of ventshafts provided on S. W. drains		66
(4) Total No. of water entrances provided on S. W. drains		244 Nos.
(5) Cost incurred on S. W. drain.		

Appendices—No. show the works completed and those in progress during the year under review.

Pumping Station & Purification Works.

- I.—Providing sewerage arrangements for B.R.R. Blcks 3 to 6.—*
According to new lay out the, site of the Pumping Station has been changed. The estimates of this Pumping Station including those of sewers are being revised. Besides the cost of these works to be borne by the Corporation & Government and the correspondence with the Government for their share of cost is in progress.
- II.—Dadar Purification Works.—*
The works of construction of digestion tank, Gas holders etc., was in progress.
- III.—Dhoravi Purification Works.—*
The work of supply and installation of Mechanical & Electrical equipment for giving primary treatment to 45.46 megalitre of sewage (10 M.G.D.) per day was in progress. The tender for the civil work were also invited during the year under report.
- IV.—Pumping Station at Salt Pan Land.—*
This work was completed during the year under report.
- V.—Desilting work of S. W. Drain.—*
This work at the following places was completed during the year under report.
(1) From Earskine Road and Falkland Road to the north of Mahalaxmi Race Course (2) In T. P. Line Road from Lady Hardinge Road Level Crossing upto Mori Road including cutting an open channel in Mahim Creek in continuation thereof to Mahim River.
The work of desilting the S. W. drain from Textile Mill Culvert upto Cleaveland Bunder was in progress.
- VI.—*The work of covering the open drainage channel from Elphistone Road to Textile Mill Culvert was also in progress.
The tenders for covering the remaining open drainage channel were also invited during the year under review.
- VII.—*The work of regarding the open channel at Cleaveland was in progress.
- VIII.—*The work of renewal of filter Media of Press Filter No. 1 at Dadar Sewage Purification works was in progress.

III—MAINTENANCE OF BUILDINGS AND ROADS.

A—Municipal and Ex-Trust Properties.

Total number of building and other properties in Greater Bombay during the year ending 31st March 1968 was 13701.

The work of maintenance is classified under the major heads (i) Normal Repairs (2) Special Repairs and (3) New works. Normal Repairs include works of monsoon repairs. Special Repairs cover the works which are likely to increase the life of building or structures whereas the works of additions and alternations to the building as also those of providing additional amenities fall under category of new works.

For the purpose of giving contract works of annual repairs etc., the city was divided into 10 divisions. The contractors and the rates quoted were as shown below (prevailing for the period from 1st October 1967 to 30th September 1968).

Serial No.	Division.	Names of the contractors	Particulars.
1	A-1 and A-2 wards	Messrs. Noble Construction Co.	... 6 % above the rates specified in the schedule.
2	B Ward	... Messrs. General Construction Co.	... 4 % Do.
3	C-1 and C-2 Wards	Messrs. Noble Construction Co.	... 6 % Do.
4	D-1 and D-2 Wards	Shri R. K. Madhani	... 15% Do.
5	E-1 and E-3 Wards	... Messrs. Vasudeo and Co.	... 12½% Do.
6	E-2 Wards.	... Do.	... 14% Do.
7	F-1 and F-2 Wards	... Shri Karsandas J. Mistry	... 2% Do.
8	F-3 and F-4 Wards	... Messrs. Dalchand Kallaji	... 12% Do.
9	G-1 and G-2 Wards	Messrs. Krishna Construction Co.	... 11.75% Do.
10	G-3 and G-4 Wards	Messrs. Krishna Construction Co.	... 12.75% Do.

Repairs to the School Buildings under Budget 'E' were also carried out at a total expenditure of Rs. 2,82,332.87 work orders amounting to Rs. 27,48,636.49 were issued to the petty works contractors for all the divisions.

III.—Roads and Footpaths

The total length of the roads in Greater Bombay at the close of the year was 956.15 K.M., as on 31-3-1968 (477.98 K.M.) in the city plus 478.17 K.M. in the Suburbs and Extended Suburbs).

An amount of Rs. 11,29,734.78 was spent on repairs to pot holes and carriage way during the year and total cost inclusive of General over head charges and miscellaneous charges amounted to Rs. 12,52,237.31. 8,61,156 sq. yards of different types of road surfaces were improved departmentally during the year as detailed below:—

Mode of Improvements						Area in Sq. yards
(1) Sheet Asphalt	...	...	...	...	...	8,110
(2) Chip on Asphalt Roads	...	...	...	...	...	94,360
(3) Semi-grouting	...	...	...	...	...	7,27,635
(4) Surface dressing	...	...	...	...	...	26,685
(5) Asphalt concrete	...	...	...	...	...	4,336
						8,61,156

As usual, an amount of Rs. 2,13,342 was paid to the Bombay Port Trust for cleaning the repairing the Port Trust wharves and roads.

III.—C—Miscellaneous work in connection with Roads and footpaths

(a) *Road watering*.—No roads and footpaths were watered at suitable intervals during the dry seasons due to scarcity of water.

(b) *Street Name boards*.—The existing street name-boards were repaired and maintained and new boards were installed at a total cost of Rs. 23,381.70.

(c) *Maintenance of Public Monuments*.—All the statues were periodically cleaned and maintained at a total cost of Rs. 3,302.69.

(d) *Widening of Roads consequent upon the acquisition of set backs*.—The cost of adding to the roads the set back land acquired in different parts of the City inclusive of the cost incidental works such as a shifting tram poles, electric cables, etc., amounted to Rs. 74,289.98 for 15,168 sq. yards added.

(e) *Benches*.—311 benches on roads and footpaths were maintained.

(f) 9,075 sq. ft. of guard railings were maintained during the year.

III.—D—Road Rollers

During the year, there were 35 road rollers out of which 25 diesel driver and 5 steam driver and 5 petrol driver.

III.—E—Permits

(a) *Opening of roads and Footpaths*.—During the year 4,736 permits were issued for excavation in roads and footpaths. The cost of reinstatement of disturbed surface was charged to the respective permit-holders and the trenches were repaired at a total cost of Rs. 22,64,662.52. Total amount of road opening fees recovered was Rs. 4,895.

(b) *Occupation of Roads and Footpaths*.—Action under Section 322(b) of the B.M.C. Act was taken to prevent the unauthorised occupation of roads and footpaths by dumping building materials. 58 notices were issued for contravening the provisions of the act fees were also recovered for the use of roads for stacking materials and footing up scaffoldings. The total amount collected under this head was Rs. 20,032.30 from 395 permits holders. In addition, 918 permits were also issued for occupation of roads for erecting mandaps, placing chairs and benches etc., and the total amount realised therefrom was Rs. 20,107.03. 60 permissions for new Bus-shelters on roads and footpaths were granted.

III.—F—Asphalt Plant and Crushers

The work of asphaltting footpaths approved by the Corporation was continued during the year and footpaths of different roads covering an area of 1,765 sq. yards were asphalted at a cost of Rs. 5,304.60. The details are shown in Page 3.

I.—Asphalt Plant and Crushers

(a) The Municipal hot mix Asphalt Plant at Worli was in operation throughout the year except from 14-8-1967 to 16-1-1968 for monsoon and trailer repairs. The Ferguson Plant was worked for taking out Asphalt chip mix and cold mixed materials required to fill in the potholes in the City and Suburbs. The labourers for running the Asphalt Plant were engaged by the Contractor up to 31st August 1968, thereafter departmental labourers were engaged.

(b) The total area 1,80,255 Sq. yds. (exclusive of pot holes area of 13,329 sq. yds.) of roads and footpaths was repaired and renewed during the year as against 2,25,231 sq. yds. repaired and renewed during the previous year.

(c) Different roads amounting 8,110 Sq. yds. were repaired with 3" sheet asphalt.

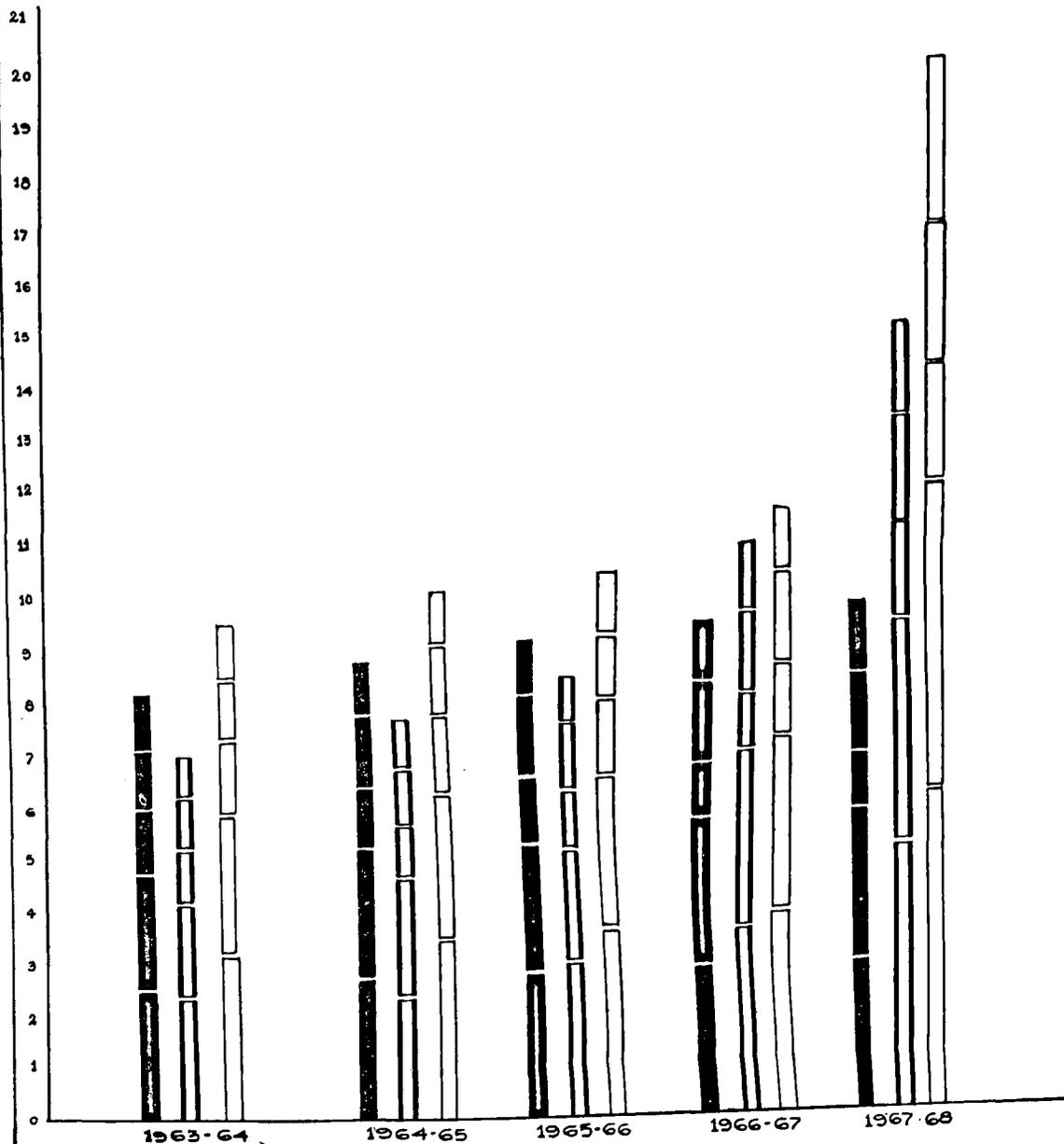
MUNICIPAL CORPORATION OF GREATER BOMBAY

(A)

GRAPH SHOWING NO OF LIGHTS, TOTAL WATTAGE & TOTAL EXPENDITURE ON LIGHTING IN EACH WARD OF SUBURBS DURING THE YEARS, 63-64, 64-65, 65-66, 66-67 & 67-68

INDEX :-

- 1) SEGMENTS OF EACH VERTICAL COLUMN SHOWN FROM BOTTOM TO TOP INFORMATIONS PERTAINING TO H, K, L, M, N, WARDS RESPECTIVELY.
- 2) ON VERTICAL SCALES EACH UNIT REPRESENTS :
 - A) TOTAL NO OF LIGHTS IN THOUSANDS SHOWN THUS
 - B) TOTAL WATTAGE IN 100 KWS. SHOWN THUS
 - C) TOTAL EXPENDITURE IN LACS OF RUPEES SHOWN THUS



ASST. ENGINEER
T & L (SUB)

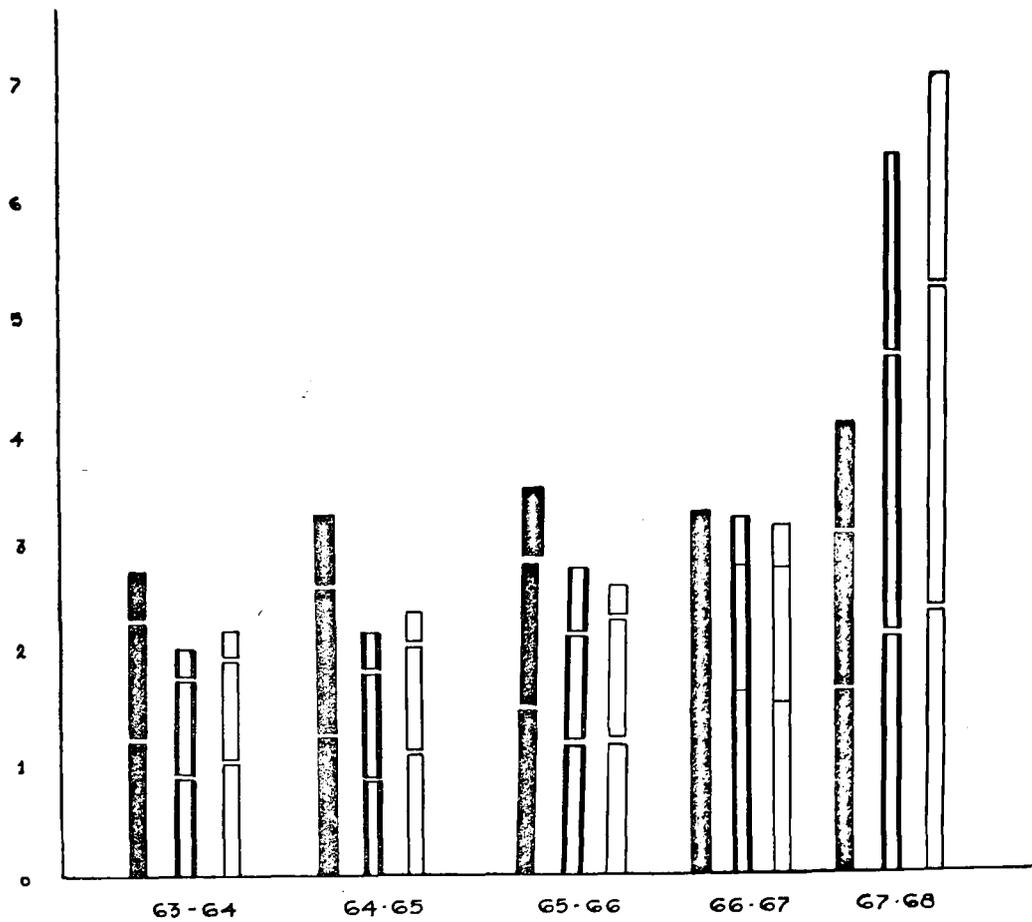
EX. ENGINEER
T & C

MUNICIPAL CORPORATION OF GREATER BOMBAY ^(B)

GRAPH SHOWING NO OF LIGHTS, TOTAL WATTAGE & TOTAL EXPENDITURE ON LIGHTING IN EACH WARD OF EXTD. SUBURBS DURING THE YEARS, 63-64, 64-65, 65-66, 66-67 & 67-68

INDEX :-

- 1) SEGMENTS OF EACH VERTICAL COLUMN SHOWN FROM BOTTOM TO TOP INFORMATIONS PERTAINING TO P, R. AND T WARDS RESPECTIVELY.
- 2) ON VERTICAL SCALES EACH UNIT REPRESENTS
 - A) TOTAL NO OF LIGHTS IN THOUSANDS SHOWN THUS
 - B) TOTAL WATTAGE IN 100 KWS SHOWN THUS
 - C) TOTAL EXPENDITURE IN LACS OF RUPEES SHOWN THUS



AK Prasad
25/19
ASST. ENGINEER
T & L (SUB)

M. M. ...
25/19/18
EX. ENGINEER
T & C

(d) Capital roads admeasuring 86,108 sq. yds. were repaired by seal coat or chip coat or asphaltic concrete. In addition to the seal coating has been done on miscellaneous roads measuring about 15,684 sq. yds.

(e) During the year under report, the roads renewed work with 3" sheet asphalt admeasuring Nil. Sq. yds. was carried out departmentally.

(f) Footpaths covering an area of 1,765 Sq. yds. were asphalted with $\frac{1}{2}$ " or $\frac{3}{4}$ " seal coat.

Hot Mix Asphalt Plant

The hot mix Plant worked for 261 days and remained closed for 104 days on account of rainy days, Sundays, Holidays and for repairs.

The rates adopted for booking the expenditure for different modes of construction were the same as per previous year. The total expenditure for renewing the road surface the cost of which was chargeable to repair grant, amounted to Rs. 84,769.07.

The area of 60,565 Sq. yds. was repaired by providing $\frac{3}{4}$ " premixed carpet on grouted roads. From this year tests on soil samples are also carried out in the Asphalt Plant Laboratory. For this purpose new instruments, viz., C.B.R. Testing Machine, Liquid limit drive apparatus for determination of density of soil by sound replacement method, etc., are purchased at a total cost of about Rs. 10,000. 2,579 tests were carried out in Asphalt Plant Laboratory on different Asphalt mix and soil samples. The total No. of boxes turned out by the main and Pegson Plant were 26,077 and 7,404 respectively.

Crushers at Worli

There are four crushers and one granulator at Worli out of which on an average two crushers worked daily during the year.

The total out put of the Crushers during the year was 3,233 Brass as against 2,529 Brass during the previous year. The work of crushing rubble the crushers was carried out by departmental labour. Rubble at Worli was obtained through the contractors. In addition to this setts received from excavated Roads were crushed at Worli.

The total out put of crushing and rates charged (including Haulage) for the supply of metal on different sizes are given in statement.

The values of stock at hand at the end of the years was Rs. 39,076.64 at Worli Crushers.

III—G.—PUBLIC STREET LIGHTING

Total numbers of lamps (Gas and Electric) at the end of the year was 19,207 as against the previous year's 16,987.

The details of different types of lamps are as shown below:—

Gas lamps with Candle powers varying from 70 to 500.

Hexagonal	Little ton	Traffic Directional	Total
5	1,329	9	1,343

Electric lamps with candle powers varying from 75 to 1355.

Tungston Filament	Mercury Vapour	Fluorescent	Traffic Directional	Total
10,192	4,323	2,090	440	17,864

Grant total of Gas and Electric lamps is 19,207 besides 14 policeman spot lights and 12 at-railway footover bridges at Chowpatty, Byculla and Dadar were maintained by this department.

The following statement shows the candle power of lamps energy consumed and the total expenditure incurred on account of maintenance during the year under report.

Type of lighting	Candle power	Total consumption during year	Expenditure on Lighting	
Gas	...	2,94,230	10,32,56,400 C.ft.; or 3,44,18,800 M.	7,50,000
Electric	...	58,10,099	1,29,33,768 Kwh.	44,00,000

Additional expenditure was incurred on the following items:—

- (1) Erection of new lamps.
- (2) Repairs and maintenance.
- (3) Works of improvement in Street Lighting.

As usual Rs. 30,044 were paid to the Bombay Port Trust on account of lighting charging and roads in their charges by adjustment the amount due from them in respect of G.T. for the year under report.

The work lighting and maintenance of street lamps was done through Messrs. Bombay Gas Co., for gas lights and the Bombay Electric Supply and Transport undertaking for electric lights.

The statues of Late Pherozshah Mehta at Boribunder, Late Vithalbai Patel and Lokmanya Tilak at Chowpatty, Dr. Ambedkar Statue at Band's stand Chatrapati Shivaji statue at Shivaji Park, Dadar and Hutatma Smarak at Flora Fountain were flood lit with electric lights through out year.

The lights on the following 4 roads were improved with H.P.M.V. lamps under All-in-hire rate scheme.

- (1) Tardeo T. T.
- (2) Dr. Ambedkar Road between King's Circle Garden and Khordad Circle.
- (3) Shaikh Mistry Road.
- (4) Princess Street.

The light on the following '9' roads were improved with fluroscent lamps under All-in-hire rate scheme.

- (1) Nana Chowk.
- (2) Sion Road, No. 3.
- (3) Tulsi pipe road between Elhinstone Road and
- (4) Dr. Annie Besant Road and Cleveland Road Jn.
- (5) Babasaheb Ambedkar Road between Dadar T.T. and Maheshwari Udyan.
- (6) Nana Chowk Junction.
- (7) Sion Causeway.
- (8) Colaba Road.
- (9) 90' road leading to C. P. W. D. Colony.

The following 9 roads were improved by electric light.

- (1) Dr. Atmaram Merchand Road.
- (2) Passage along Frere Bridge low level South.
- (3) Shri Road off Malabar Hill receiving station.
- (4) Jasmine Mill Lane of Dharavi.
- (5) New Prabhadevi Road.
- (6) Passage of Anapati Eapat Marg near G. E. Girl's High School.
- (7) Manmala Tank Road.
- (8) Little Gibbs Road.
- (9) Passage of N. C. Kelkar Road.

New lamps were provided on the following 14 roads during the year.

- (1) Bhagatwadi 'C' Ward.
- (2) Bhagat Lane 'C' Ward.
- (3) Sion Road passage between road No. 24A and 24B.
- (4) Road leading to Worli Dairy.
- (5) Shaikh Mistry Durgah Road.
- (6) Dharavi Kumbharwada.
- (7) Passage off Bhulabhai Desai Road leading to Dhakleshwar Temple.
- (8) Passage of Flank Road behind Matunga Telephone Exchange.
- (9) Mahim T. P. S. IV.
- (10) Passage leading to Gilder Lane tenements.
- (11) Lane off Clerk Road behind Shirin Talkies.
- (12) Punjabi Colony Sion.
- (13) Adarsh Nagar 292 tenement Worli Neighbourhood Road.
- (14) Princess Street Fly Over.

Following 23 junctions were provided with Traffic Directional electric light during the year.

Junction of—

- (1) Tilak Bridge and Katrak Road.
- (2) Thakurdwar and Girgaum.
- (3) Lady Jamsheedji Road and Ehandar Gully.
- (4) Walkeshwar Road and Pabulnath Road.
- (5) Walkeshwar Road and Chowpatty Road.
- (6) Cokhale Road and Sayani Road.
- (7) Nesbit Road and J. J. Road.
- (8) M. G. Road and University Road.
- (9) Eskine Road and Babu Khote Street.
- (10) Strand Road and Crminstone Road.
- (11) Harvey Road and Nana Chowk.
- (12) Mahim Causeway Junction.
- (13) Colaba Causeway and lands Down Road.
- (14) D. N. Road and Palton Road.
- (15) Babulnath Road and Hughes Roads.
- (16) Madam Cama Road off Sachivalaya.
- (17) Fort Market Junction.
- (18) Queen's Road Opp. Hindu Cemetery.
- (19) Foras Road Junction.
- (20) Mount Road and Victoria Road.
- (21) Belasis Road and Arthur Road.
- (22) Victoria Road and Ambedkar Road.
- (23) King Edward Road and Parel Tank Road Junction.

Programme of conversion of gas lamps into electric lamps was also continued. Gas light in different Wards converted as per following self explanatory table.

Ward	No. of gas lamps remove	Electric light installed			Total 3+4+5
		T.F.	M.V.	Fluorescent	
B ...	497	254	163	161	578
C ...	502	488	81	26	595
D ...	774	581	196	145	922
E ...	359	297	76	45	418
F ...	607	271	232	194	697
G ...	377	266	121	35	422
Total ...	3,116	2,157	869	606	34,32

III-H.—Traffic

The new islands, channelising and Refuse islands and Central dividers have been constructed during the year under report at the following intersection and roads.

Central Dividers

- (1) Central divider along Feddar Road and along the parapet wall of Kemp's Corner Fly over on Hughes Road.
- (2) Central Divider along Dr. Babasaheb Ambedkar Road from Kalschewky Road to Sussex Road.
- (3) Central Divider along Dr. Babasaheb Ambedkar Road from Sussex Road to Eyculla Bridge.
- (4) Central Divider along Feay Road near Dockyard Road Station.
- (5) Central Divider on Dr. N. M. Furardare Marg from its junction with Eabulnath Road to Fardita Ramabai Road.
- (6) Central Divider on Lady Jamshedji Road from its junction with Lady Harding's Road to Sitaladevi Temple Road.
- (7) Central Divider along Eabulnath Road from Pandstand to Eabulnath Temple and from Eabulnath Temple to Nyaymurti Patkar Marg.
- (8) Central Divider on Netaji Subash Road below the Princess Street Flyover.
- (9) Central Divider on Mahatma Gandhi Road from Hospital Lane to Metro Cinema.
- (10) Central Divider on Com. Eapurao Jagtap Marg near Kulkarni Talkies.
- (11) Central Divider along Feddar Road from Cormichel Road to Ebulnath Desai Road.
- (12) Central Divider along Com. Eapurao Jagtap Marg Opp. Eyculla Fire Brigade.
- (13) Central Divider on Feddar Road from Cormichel Road to Kemp's Corner Flyover.
- (14) Central Divider near Mulund Actroy Naka.

Traffic Islands

- (1) Traffic Islands at Nyaymurti Patkar Marg (Hughes Road) and Eabulnath Road.
- (2) Traffic Islands at Faji Alli Junction and Tardeo Road.
- (3) Junction of Victoria Road and Dr. Ambedkar Road.
- (4) Junction of Dr. Ambedkar Road and Motishah Lane.
- (5) Maulana Shahkatali Road and Falkland Road.
- (6) Junction of Kalbadevi Road and Shamaldas Gandhi Marg. (Princess Street).
- (7) Traffic Islands on Anandrao Nair Road near Maratha Mandir.
- (8) Junction of Bellasis Road and Foras Road.
- (9) Traffic Islands at Worli Naka.
- (10) Traffic Islands at Swami Vivekanand Road and Linking Road.
- (11) Junction of G. D. Ambedkar Marg and Acharya Donde Marg.
- (12) Junction of Sane Guruji Marg and N. M. Joshi Marg.
- (13) Central Islands and Mazgaon T. T.
- (14) Junction of Jagannath Shankarshet Road and Princess Street.
- (15) B. D. D. Chawl Road and Globe Mill Passage.
- (16) Traffic Islands on Netaji Subash Road, Entry for 'G' Road.
- (17) Junction of Victoria Road and Dr. Mascarenhas Road.
- (18) Bhulabhai Desai Road Junction Nepean Sea Road.
- (19) Footpath on Bapty Road (East).
- (20) Lokmanya Tilak Road Junction at Lohar Street and Shaikh Memon Street.
- (21) C. S. T. Road Junction Lal Bahadur Shastri Marg.
- (22) Kalina Road Junction Lal Bahadur Shastri Marg.
- (23) Eailkazar Road Junction Lal Bahadur Shastri Marg.
- (24) Sonapur Lane Junction Lal Bahadur Shastri Marg.

Traffic Improvements and remodelling of Layouts.

- (1) Nana's Chowk Junction.
- (2) Junction of C. P. Tank Road, Kika Street, Eapu Khoti Street Faraskire Road, Maulana Azad Road and Falkland Road (Culalwadi Junction).
- (3) S. V. P. Road junction Khetwadi Back Road, Falkland Road, etc. (Colpitha Junction).

Parking.

By remodelling and constructing New Traffic Islands additional parking facility was provided.

- (1) Bhulabhai Desai Road, Opp. Sagar Darshan (Scandle Point).

Refuse Islands

- (1) Raja Ram Mohan Roy Road Junction Vithalbhai Patel Road.
- (2) Raja Ram Mohan Roy Road Junction Jagannath Shankarshet Road.
- (3) Lokmanya Tilak Marg Opp. Lord Harris School.
- (4) Dadabhai N. Road Opp. Police Commissioner's Office.
- (5) Maharshi Karve Road Opp. Hindu Cemetery.
- (6) Acharya Donda Marg and Thakarsai Jivraj Road.
- (7) Nyamurty Patkar Marg and S. V. P. Road.
- (8) Netaji Subash Road below Princess Street Fly Over.
- (9) Lal Bahadur Shastri Marg Opp. Kurla Court.

Supply of R. C. C. Gratings and frames during the year 1967-68.

Supplied 12,500 Nos. of R.C.C. Gratings and about 35,000 R. ft. of R.C.C. Frames to 14 Wards and 21 Nos. of work sites of E.E.D.C. and E.E. Roads.

Road Excavation Permits

Permission to open newly resurfaced roads is given by this section and record of such opening maintained.

Traffic Signals

Traffic signals have been installed and put into commission at the following places during 1967-68.

- (1) Traffic signal at inter-section of Express Highway, and Nehru Road.
- (2) Do. Mohamedalli Road and Janjekar Road.
- (3) Do. N. C. Kelkar Road and Ranade Road.
- (4) Do. on Dr. Ambedkar Road near Byculla Bridge.
- (5) Do. Maulana Chakatali Road and Falkland Road, (Play-House Junction).
- (6) Do. S. V. Road and Falkland Road, (Golpitha Junction).
- (7) Do. 1st Marine Street and Maharashtra Karve Road.
- (8) Do. N. M. Joshi Marg and Sane Guruji Marg. (Arthur Road and Delisle Road).
- (9) Do. Foras Road and Bellasis Road, (near Alexandria Cinema).
- (10) Pedestrian Traffic signal at Kalbadevi Road near Babu Genu Street.
- (11) Do. near Mumbadevi School.
- (12) Do. at Jagannath Shankarsheth near Bhalerao Marg.
- (13) Do. at Jagannath Shankarsheth near Burrows Lane.
- (14) Do. on S. V. Patel near Prathana Samaj.
- (15) Do. on Mama Parmanand Road near Roxy Cinema.
- (16) Do. Near Police Commissioner's Office on L. Tilak Road.
- (17) Do. on D. N. Road.
- (18) Do. on Dr. Ambedkar Road near Volta Sagar.
- (19) Do. on Lady Jamshedji Road near City Light Cinema.

III-I.—IMPROVEMENT OF PRIVATE STREETS

Private Street Section was in charge of Dy. City Engineer (Roads). Action under Section 305 or 377 (1A) of the Bombay Municipal Corporation Act for the Improvement of Private Streets was not now taken in all cases of private streets in view of C.B. No. 1297 of 10-1-1963. Action under the above two sections was now taken in cases private streets in sanctioned layout.

The details of actions for the Improvement of Private Streets at three localities in the City reported to be in progress during the last year are given in Appendix No. 6.

Government passages were not taken over for improvement and maintenance during the year under report.

The improvement work of the two private streets (1) private street from Dr. E. Moses Road to Stores Depot of Western Railway and (2) Private Street of Dr. S. S. Rao Road leading to Rajkamal Studio, are in progress as shown in the Appendix No. 7 Both the streets are proposed to be improved at the cost of the frontagers without resorting to action under Section 305 of the Bombay Municipal Corporation Act.

Sanction of the Standing Committee was applied for to serve notices under Section 305 of the Act to the owners of premises fronting or adjoining private streets in Thokersey Jivraj Adda off Thokarsay Jivraj Road Sewree. Sanction of the Standing Committee is being applied for to serve notices to the owners of premises fronting or adjoining private streets in Sundarjee Liladhar Wadi, Sewree.

Improvement of passage in private holdings

The work of the improvement of passages in private holding was not undertaken during the year under report.

Recoveries in respect of improvement of private streets including deposits, interests, etc., from the frontagers of the streets for the work carried out in the past and proposed to be carried out amounted to Rs. 59,189.42 during the year under report as against Rs. 13,981.66 during the previous year. Recoveries were affected during the last three years as new actions under Section 305 and 377 (1A) of the B.M.C. Act were not started in all cases of private streets in view of C.R. No. 1297 of 10-1-1963. Action under the above two sections is now restricted to private streets in sanctioned layout.

No occasion arises to declare the expenses incurred by the Corporation as improvement expenses under Section 494 of the Act.

New references under Section 503 of the Act were not filed before the Chief Judge of the Small Causes Court during the year under report.

Five references under Section 503 of the Act reported to be pending before the Chief Judge of the Small Causes Court during the last year were disposed off. Four were decided in favour of the Corporation as shown in Appendix No. 10 and one was dismissed. A writ petition was filed before the Divisional Bench of the High Court against the decision of the Chief Judge of the Small Causes Court in cases of six dismissed references (five reported dismissed during the last year and one during year under report) A writ petition in all these six dismissed references was rejected by the Divisional Bench of the High Court. It is therefore proposed to go in appeal to the Supreme Court against the decision of the Divisional Bench of the High Court. Leave to appeal to the Supreme Court was granted by the High Court in five cases and the sixth case is pending before the High Court as shown in Appendix No. 8.

Notices declaring the intention of the Corporation to improve the streets at Municipal cost under Section 63(k) of the Bombay Municipal Corporation Act and then treat them as public were exhibited in cases of fourteen private streets in city limits included in the priority list approved by M. C. C objections in cases of three private streets were received. But the owners of the streets in two cases could not produce any documentary evidence to prove their claims to the streets. Their objections therefore were not considered as valid. In the case of third street the party had agreed to produce documentary evidence to prove their claim the street and his reply is awaited. Plans and estimates for the improvement of these streets will be put up to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Act (Appendix No. 9).

IV.—MAINTENANCE OF DRAINS AND SEWERS

The work consists of (i) Cleansing and Maintenance of all underground sewers and storm water drains and open channels (ii) Making street connection of the drainage system of properties to sewers and storm water drains. The Common House Drains in private properties:—

The work of systematic cleansing of common house drains and pipes sewers in private properties is as detailed in the table below:—

	Length cleaned in metres	Silt removed in Tons
(1) House Drains	14,77,000	13,356.43
(2) Pipe sewers	2,76,590	6,628.00

Repairs to manholes and grating of water entrances:—

The total below shows the details of the work done.

	Total No.	Total Cost
(1) Repairs to manholes	40	Rs. 3,955.00
(2) Replacement of gratings	2,699	58,728.20
(3) Removal of vent shafts	46	23,127.17

Street Connection.—During the year 101 Street connections of the building were made to sewers.

Requisition in respect of house drains.—4,312 key requisitions under various sections of the act were issued against house owners for rectifying drainage defects.

Desilting of main sewers.—A total length of 90,061 R.ft. of main sewers was cleaned by dragging scrapers either manually or with the help of O.K. champion machine and 4,41,260 C.ft. of silt removed therefrom.

The total length of pipe sewers cleaned was 53,302 R.ft. and total silt removed was 27,945 C.ft.

Subvention schemes.—The progress made on subvention scheme in the city is detailed below:—

Privies in private building.

(a) No. of privies converted into W.C. (from 1-4-1967 to 31-3-1968)—3 Nos. privy seats.

(b) No. of privies work still in progress—27 Nos.

(c) Fresh notices issued—Nil.

Privies in Municipal Building

(a) Estimates prepared for connecting cesspools of 25 Nos. of seats.

(b) Direct drainage connections after dismantling the existing septic tanks for A. L. Home-Wadala Nil.

General Comments.—Total rainfall as recorded was 2,173 millimeters. Cleansing work was carried out at the Bio Logical installation at Langanga at a total cost of Rs. 8,000/954 chokes were removed by the mobile gangs. Special gangs were also detailed for prevention or abating the flooding nuisance in the city.

V.—PRIVATE BUILDINGS CONSTRUCTIONS (CITY)

Building Proposals.—1,222 proposals were received during the year. Out of these, 770 were under Section 337 of the P.M.C. Act and for construction of new buildings and 452 proposals under Section 342 of the said act for additions and alterations to the existing buildings. The corresponding figure of the proposals under the above sections of the act for the previous year are 1,369 and 581 respectively.

New Buildings.—The position of residential tenements constructed by different agencies (other than Municipal) is as under:—

Agencies	No. of proposals
(a) Private enterprises ...	53
(b) Co-Operative Societies ...	41
(c) Employers for their employees ...	2

The number of proposals for non-residential buildings received during the year under report is 181.

Building Collapsed.—98 buildings or portions thereof collapsed during the year as against 97 buildings during the previous year. 82 persons were injured and 37 were killed as a result of these collapses. The estimated damage to property was Rs. 14,04,850.

Actions under relevant sections of the Municipal Act.—11,758 Notices were issued during the year under different sections of the Municipal Act. 5,283 Notices were complied during the year and 6,475 were still pending compliance at the close of the year.

Removal of unsafe buildings.—153 unsafe buildings or portions were removed departmentally under Section 489 of the Act as against 298 removed in the previous year. The following table shows comparative figures for the two years.

	1966-67	1967-68
(1) No. of departmentally actions taken	298 Nos.	153 Nos.
(2) Expenditure incurred	Rs. 63,887	Rs. 62,153
(3) Inrecoverable expenditure	Rs. 23	Rs. 119.78

Authorities granted under Section 499 of the Act.

Authorities to carry out repairs were granted to tenants under Section 499 of the act in respect of 169 buildings as against 144 buildings during the previous year. 3,090 tenants as against 2,214 during the last year took advantage of the same.

Removal of unauthorised works.—Sanction of the Standing Committee for the removal of unauthorised structures was obtained in Nil cases during the year.

Complaints from the public.—18,076 complaints were received from the public during the year as against 17,841 complaints during the last year. Out of these 17,849 complaints were looked into and disposed off at the close of the year.

Technical Unit.—Special technical officer continued to scrutinize the structural designs (both R.C.C. and R.S.) submitted by the architects or structural engineers for erection of new building and for the additions and alterations in the city of Bombay during the year under report. He also inspected the work of buildings periodically.

He also inspected buildings in Bombay referred to him by other departments and offered his remarks as regards structural stability or soundness.

House Numbering.—The work of assigning numbers to the newly constructed properties and fixing number plates was continued through out the year.

VI.—MECHANICAL BRANCH

Municipal Workshops

During the year under review the Municipal Workshop received 3,770 fresh jobs. Total number of jobs completed during the course of the year was 2,985. The total expenditure on the departmental works amounted to Rs. 7,21,033 as against Rs. 6,88,080 in the previous year. The up keep and overhead charges amounted to Rs. 1,65,621 which work out to 22.97 per cent incurred on labour and stores.

In the machine shop besides day to day maintenance and repair works, various types of articles were manufactured such as, 40 Nos. of screw jacks, 2,300 Nos. of pushers, 300 Nos. tags and 300 Nos. rings, spindles of various sizes, etc. In addition to the above, certain jobs of special nature, such as complete overhauling of sewage pumps, water pumps including replacement of casings, impellers, bends, were carried out. Testing of lifting devices such as chain pulley blocks was also done in the machine shop. The pushers, tags and rings were prepared for use in Municipal Elections held on 26th March 1968.

In the boiler shop 136 rectangular dust-bins were manufactured. These bins were prepared by using old asphalt drums. These bins are kept on road side for collection of refuse. Similarly 53 M.S. hand carts and nearly 180 wheel barrows were fabricated for the use of various Municipal Departments. In this shop too, certain jobs of special nature were carried out, such as fabrication of flap valves 4 Nos. screens size 11" -9" x 10" -0" -2 Nos. for L.G.P. station, grit arrester - 1 No. which was installed on one of the cupolas of the Foundry shop, Combs 25 Nos. for L.G.P. and bell-mouth casing for the foundry shop, and 1,000 Nos. iron keys for K. D. Railways.

This year in the carpentry shops 300 election boxes were repaired. These boxes were used in the Municipal Elections on 26th March 1968 for keeping stationery etc. In addition to normal repair works certain articles were prepared such as counters for Municipal Analyst, hand carts and wooden wheels for road department wheel barrows for conservancy branch, For M. G. M. Swimming pool 12 lockers, each of 24 shelves, were prepared in the carpentry shop. About 2,400 wooden keys were prepared for K.D. Rlys.

In the foundry shop besides normal production of ferrous and non-ferrous items some castings of special nature, like C.I. Y pieces, taper pipe saucers for screw pumps, pump casings, impellers, bends etc., and aluminium letters were cast.

In the painting shop various jobs of painting were carried out including painting of transport vehicles, hand carts, steel furniture, hospital furniture, and wooden boards for schools and hospitals, etc.

Municipal Foundry

During the year 1967-68, the cupolas and pits furnaces worked regularly.

The rates for the different types of Castings were sanctioned by the Municipal Commissioner for the year 1966-67 depending upon the cost of raw materials and labour cost as the foundry is working on Suspense Account basis.

The details of the total out-put during the year under report along with the sanctioned rates are given in the accompanied Appendix F/1.

Many intricate and special type of castings, ferrous and non-ferrous were manufactured such as, pump casings, impellers wearing plates, three types of bearing housings, for wadala pumps, one special type bend of 12" bore with 18" flanges at both ends and a third opening at the top for Matunga Pumping Station and many other castings as desired by all the pumping and purification plants.

Also, castings, required for H.E.'s department like O.P. Boxes, S.T. large boxes, brackets etc., were manufactured. Aluminium hydraulic couplings were manufactured and supplied to Road Roller Section. Special type of C.I. frames (Dhapa) required by F/N Ward and C.I. gratings for Municipal Power Laundry were also manufactured during the year 1967-68.

The manholes (Frames and covers) required by various departments including a number of contractors, were manufactured at the foundry. Total No. manufactured during the year was 604.

The quality and soundness of the product was upto the mark. The rates compare favourably with those existing in the local market.

Design Section

This section carries out the work of preparing Estimates for all types of Mechanical Works of this department. This section prepares drawings, blue Prints specifications for Machinery, Furniture and other mechanical equipments for various departments, invites Tenders and sealed Quotations for all types of Mechanical jobs. It is also responsible for execution of all out-door Mechanical jobs.

The following important items were carried out during the year under report:-

- (1) Preparation of specifications, drawings and schedules of quantities for inviting tenders for all the booths for the General Elections held in March 1968.
- (2) Preparation of drawings and specifications for wooden and steel furniture for various departments.
- (3) Drawings and specifications were drawn, Tenders invited and work got executed through contractors in respect of replacement of chimneys at K.E.M. and Kasturba Hospitals.
- (4) Drawings, specifications etc., were prepared for invitation of Tenders for replacement of chimneys at the Municipal Foundry, chimney at Hafikine Institute and supply of an Air Compressor plant at the Nair Hospital.
- (5) The following important jobs were carried out departmentally:-
 - (a) Replaced broken floodgates at Malwani and Gowandi.
 - (b) Repaired floodgates at L.G.P. Station and Cleveland Bunder.
 - (c) Replaced air ducting 30 R. Metres at D. P. W.
 - (d) One primary settlement tank at Dharavi Purification works was completely overhauled.
 - (e) Repair carried out to steel Furniture at various hospitals in the City and Suburbs.
 - (f) About 90 Nos. of overhead storage tanks in the City were repaired on site.
 - (g) Collapsible doors, Rolling shutters, Railings, water pumps, gymnasium apparatus etc. were repaired.

This year 15 Tenders including sealed quotations were invited. This section submitted 102 estimates amounting to Rs. 2,18,925. 90 new drawings were prepared. 15 Nos. retracings were done and 100 sketches were drawn. 1,000 Nos. of blue prints of drawings were prepared. This year 1,318 out-door Mechanical jobs were carried out at a total cost of Rs. 4,11,550.

Electrical Section (City)

The City electrical branch was hitherto divided into 3 Sections viz. (i) Repairs and Maintenance Section, (ii) Planning and Design Section and (iii) Building Construction Section. Since 7-11-1956, however, one more Section for Ward Maintenance was created and since 21-1-1957, all the four Sections have been brought under overall control of an Executive Engineer Mechanical (Electrical Installations).

The two Sections, viz., (i) Planning and Design Section and (ii) Building Construction Section are situated at the Municipal Head Office and work in collaboration with the (i) Planning and Design and (ii) Building Construction Branches of the Engineering Department. The rest while repairs and Maintenance Section has been renamed as Plant and Machinery Section. This Plant and Machinery Section and the new Ward Maintenance Section are situated at Municipal Workshops and do, all Departmental Electrical Works and Revenue Budget works.

The Planning and Design Section is entrusted with preparation of estimates and invitation and recommendation of tenders for electrical works in the newly constructed Municipal Buildings throughout Greater Bombay, i.e., City, Suburbs and Extended Suburbs (pertaining to Loan Works).

The Building Construction Section is entrusted with the execution and supervision of contract works in respect of contracts awarded by the Planning and Design Section, including allied works to be carried out through the B.E.S. & T. Undertaking, B.S.E.S. Ltd., and Thana Electric Supply Co., Ltd.

The Plant and Machinery Section is entrusted with the repairs and maintenance of electrical installations in the City at—

- (1) Municipal Hospitals and Colleges and Medical Officers' and Nurses' Quarters and Students Hostels.
- (2) Sewage Pumping Stations, Air Compressor Stations and Sewage Purification Works.
- (3) Electric Crematorium at Chandanwadi.
- (4) Cold Storage Plant at the Mahatma Jyotiba Phule Market.
- (5) Asphalt Plant, Worli.
- (6) Municipal Power Laundry.
- (7) Municipal Workshops.

This section is also entrusted with the—

- (i) Repairs of refrigeration equipment such as Air-conditioning Plants, Water Coolers, Cold Mortuaries, Refrigerators, Deep Freezers, etc., in all Municipal properties including Suburbs and Extended Suburbs.
- (ii) Repairs to lifts in Municipal Buildings.
- (iii) Repairs to electrical machinery and appliances, etc.

Minor repairs works are attended to departmentally whereas major repairs are carried out by contracts by inviting quotations or tenders as the case may be.

This section is also entrusted with execution of new works or purchases in respect of above properties provided for under Revenue Budget either departmentally or by inviting tenders and quotations as the case may be.

The Ward Maintenance Section is entrusted with the repairs and maintenance of electrical installations and Water Pumping Sets in—

- (1) Municipal Chawls and Staff Quarters.
- (2) Municipal Office Building.
- (3) Municipal School Buildings.
- (4) Municipal Markets.
- (5) Municipal Gardens.
- (6) Cemeteries.
- (7) Maternity Homes and Dispensaries.
- (8) Welfare Centres and Community Halls.
- (9) Fire Brigade Stations and Offices.
- (10) Municipal Printing Press.
- (11) Birla Kreed Kendra.
- (12) Open Air Theatre at Victoria Garden.
- (13) Municipal Industrial Estates.
- (14) Other Miscellaneous Properties.

This section is also entrusted with the preparation of estimates, inviting tenders and execution and supervision of contract works for rewiring, providing new electrical installations and water pumping sets and attending to any Electrical faults, etc., at the above buildings, which are provided for under Revenue Budget.

The report about the work of each Section is given as under:—

(1) Planning and Design Section

Works for City

In all 111 estimates amounting to Rs. 60,74,142 were prepared.

42 Draft Tenders were prepared.

35 Tenders were invited out of which 27 Tenders costing Rs. 17,41,737.50 were recommended.

Works in Suburbs.

In all 61 estimates amounting to Rs. 29,30,664 were prepared.

37 Draft-Tenders were prepared.

23 Tenders were invited.

28 Tenders (5 from the last year) for Rs. 7,60,723.95 were recommended.

(2) Building Construction Section.

There were 32 works amounting to Rs. 9,70,000 completed and 34 works amounting to Rs. 28,50,000 in progress in City.

There were 25 works amounting to Rs. 5,03,331 completed and 24 works amounting to Rs. 8,75,375 in progress in Suburbs.

(3) Plant and Machinery Section

In all about 52 estimates amounting to Rs. 3,28,281 for various departmental repairs and rewiring jobs as well as for new works were prepared.

About 618 indoor and out-door jobs costing Rs. 7,28,778 were carried out either departmentally or by contracts by inviting quotation and tenders.

The major work was the installation of two new Furnaces, in place of the existing two Furnaces at the Electric Crematorium at Chandanwadi at a cost of Rs. 5,28,000. The Crematorium was closed during the repairs period from 6-12-1967 to 19-5-1968 and has been re-opened for public use from 20-5-1968.

There was no other major break-down or accident in any of the electrical installations during the year.

One complete unit at Cold Storage was got renewed.

(4) Ward Maintenance Section

This section is also entrusted with the preparation of estimates, inviting tenders and execution and supervision of contract works, rewiring, providing new electrical installations and Water Pumping Sets etc., at the above buildings, which are provided for under Revenue Budget.

So far as the repairs and maintenance of electrical installation are concerned, this section is required to give technical guidance to the Ward Electrical Overseers and the Wiremen of H.S. and S.W. department and the electrical staff attached to the respective Wards in the execution of departmental works and supervision over major electrical works.

In all about 67 estimates amounting to Rs. 5,53,843 were prepared during the year for major works of rewiring, additions, or alterations to the existing electrical installations, and providing Water Pumping Sets, etc.

About 12 major works of re-wiring, providing new electrical installations and providing Water Pumping Sets, etc., costing about Rs. 1,24,229 were executed during the year either departmentally or by contracts.

Other minor electrification works were carried out departmentally by the Ward Staff directly under Technical guidance from Assistant Engineer Electrical (Wards).

There was no major break down or accident in any of the electrical installation during the year but there were cases of damage to Electric Meters at Kasarwadi Chawls and Dadar Main Road Chawls, occupied by H.S.'s staff and these were attended to departmentally and through the B.E.S.T. authorities.

Gas lights from Dadar Market (Cld) and Elphinstone Road Market are replaced by Electric lights and the work was done departmentally similarly for a new market at Sewri.

Certain Water Pump Sets are provided with Automatic working arrangement to reduce the cost of manual labour and improving efficiency.

SEWAGE PURIFICATION PLANTS**Love Grove Sewage Pumping and Treatment Plant**

Pumping Stations.—(1) Old pump house. The vertical sulzer pumps as well as vicker's gill pumps were operated during the year. The two vertical sulzer pumps were in operation for 5,157 hours and two Vicker's gill pumps for 2,629 hours during the administrative year. Out of two Vicker's gill pumps one was provided with a new shrouding and put into commission in January 1968. The old pump house pumped out 40,92,04 M. Litres of sewage directly to sea, 2,407.76 Cu. Metres of silt and 104.71 cub. Metres of screenings were removed from the sewage.

(2) *New Pump house.*—The four pumps actually worked a total of 14,825 hours and 30 minutes discharging in all 1,37,493.90 M. Litres of sewage. Prior to pumping 120.41 cub. metres of screenings were removed from the sewage.

Sufficiently low levels of sewage were maintained during the night time in the fair season and to facilitate the work of cleaning main sewers.

(3) *Detritus Plant.*—The Detritus plant was working satisfactorily through out the year. During the year 184.95 cub. metres of silt and 103.29 cub. metres of screenings were removed.

(4) *Purification Plant.*—The plant was working satisfactorily till 16th June, 1967. Thereafter both the Primary settlement Tanks went out of order and as a result the plant was out of commission during the remaining part of the year. The work of repairing Primary settlement Tank No. 2 is already entrusted to Messrs. R. Dilip and Co. and the work was in progress. The Primary settlement Tank No. 1 involves major repairs and necessary steps are being taken for carrying out the job, through suitable contractor.

(1) Total sewage treated	...	...	3,551.18 M. Litres.
(2) Raw Sludge pumped in Digestion tanks	...	...	29,264.38 × 100 Litres.
(3) Digested Sludge removed	...	...	3,291.95 × 100 Litres.
(4) Gas Generation	...	...	232.66 cub. metres.
(5) Sludge Dried and sold manure	...	...	1,040 cu. metres.

(5) *Flood Gates.*—Flood gates at Cleveland bundar, L.G.P. and Dharavi were in proper working order.

Dadar Sewage Purification Works

General.—Sewage Purification Works at Dadar functioned satisfactorily throughout the year. Total quantity of sewage received for treatment at the plant during the year was 7,526.36 M. Gls. with an average of 20.56 M.G. per day as against 6,317.76 M. Gls. with an average of 17.30 M.G. per day during the year 1966-67. Out of 20.56 M.G. sewage flow received per day for treatment 4.5 M.G. approx. per day sewage flow received secondary treatment and the remaining 16.06 M.G. per day sewage received only primary treatment.

Sewage Pumping Station, Dadar.—During the current year, the sewage pumping station, Dadar located within the premises of the Plant pumped 2,421.09 M.G. sewage as against 1,711.76 during 1966-67.

Enclosed Forced Draft Filter No. 1.—During last year it was observed that the filter was not working satisfactorily due to disintegration and wearing out of filtering media. The works of replacing the filter media and sewage distribution equipment is now completed and the filter is put into operation.

(b) *Filters No. 2 and 3.*—2 M.G.D. capacity each.

These filters worked fairly well and turned out effluent having 55 to 85 P.P.M. Biochemical oxygen demand.

Sludge Digestion Tanks.—(A) Digestion Tank No. 1.—The Digestion Tank worked satisfactorily throughout the year, working at reduced digestion period of 15 days. The resulting digested sludge was free from odour and was dried on open sludge drying beds without causing nuisance. During the year 6,18,82,500 c.ft. (176 × 104 Cu. Meter) gas was generated as a By-product.

Digestion Tank No. 2.—The work of replacement of M.S. Floating roof was completed by November 1967 and D.T. was put into commission from 20-2-1968 after tests and trials.

Sludge Gas.—The Gas was generated and utilised as gaseous fuel for domestic and commercial purposes. The revenue realised from the sale of gas during the year amounted to Rs. 1,67,271. 25 as against Rs. 2,21,504 realised during the year 1966-67. This short fall is due to non-supply of sludge gas to commercial consumers forced due to non-functioning of D. Tanks No. 2, which was under repairs for major part of the year.

Dried Sludge Manure.—During the current year 248 Brass of dried digested sludge was removed by the contractors at Rs. 10 per brass. Last year the contract was with the Maharashtra State Farming Corporation for removal of sludge Manure and was continued for this year also. The total revenue realised by sale of manure amounted to Rs. 2,480 as against Rs. 5,295 realised during 1966-67. The reduction of quantity of sludge sold was partly due to (1) Non functioning of D.T. No. 2 due to major repairs and (2) obstinate choke in sludge withdrawal pipe of Dig. Tank No. 1 which since has been removed.

Laboratory.—During the current year investigation works of Pilot Tertiary Treatment Plant studies were carried out by the Laboratory. Similarly the Laboratory examined the samples of different units of Dadar Plant.

New Works done in the Current Year 1967-68

(1) *Bar Screen on Old Plant.*—The complete renovation of bar screen was completed and put into commission from 27th March 1967 and is working alright.

Dharavi Purification Plant

General.—The performance of Purification Plant was satisfactory throughout the year. The sludge gas was supplied to the consumers continuously for 24 hours and supply of the sludge gas was maintained even in the rainy season.

Screening Mechanism.—This unit has worked satisfactorily.

Sewage Pumps.—All the three pumps 5 m.g.d. and three pumps of 10 m.g.d. capacity worked satisfactorily throughout the year without any major breakdown.

Detritus Unit.—The old detritus and new detritus units worked satisfactorily throughout the year.

Primary Settlement Tank.—After carrying out the major repairs to the P.S. Tank unit, it was commissioned in the month of August 1967 and thereafter the unit has worked satisfactorily.

R. C. Pumps and Filters.—These units worked satisfactorily from August 1967. These units were required to be kept idle for the remaining period due to major repairs on P.S. Tank.

Final Settlement Tank.—Upto August 1967 this unit has worked as Primary clarifier. But after putting primary settlement tank into commission this unit was used as a secondary clarifier and it has worked satisfactorily throughout the year.

Return Sludge Pumps.—Both the Pumps have worked satisfactorily throughout the year.

Sludge Pumps.—This unit has worked satisfactorily throughout the year.

Digestion Tank and Gas Holders.—The unit has worked satisfactorily.

Extension of Purification Plant.—The part of the electrical and Mechanical equipments for the extension work of purification Plant is received during the year under report.

Sludge Drying Beds.—The performance of beds was satisfactory.

Gas Generation and Consumption.—During this year the average gas generation was approximately 50,000 C.ft. day. Total gas supplied during the year was 93,49,750 C.ft. The revenue from this gas was Rs. 44,091.84 approx.

The statistical data in respect of Sewage flow, gas generation, utilization etc., is furnished below :—

Statistical Data 1967-68

(i) Total Sewage Flow (Treated)	4,189.52 M.G.
(ii) Grit Removed	23,792 C.ft.
(iii) Screening Removed	16,349 C.ft.
(iv) Sludge to Digestion Tank	1,33,23,625 Gals.
(v) Digested sludge taken on drying beds	5,29,000 Gals.
(vi) Digested sludge thrown to S.W.D.	3,40,875 Gals.
(vii) Total Digested sludge removed (v+vi)	7,69,875 Gals.
(viii) Total Electrical Energy Consumption	8,95,310 K.W.H.
(ix) Gas used as Gaseous Fuel	93,49,750 C.ft.
(x) Revenue obtained by sale of gas	Rs. 44,090
(xi) Cost of electrical Energy consumed	Rs. 68,591

Colaba Purification Plant

The following are the units under the Supervision of the Sub-Engineer Colaba.

(a) Colaba Air Compressor Station and Ejectors in the Southern Part of Bombay.

(b) Afghan Church Pumping Station.

(c) Colaba Sewage Purification Plant.

(A) Both the Compressor and seven ejectors worked satisfactorily during the year.

(a1) Two leaking joints of the rising main of Ejector No. 7 near Churchgate Station were concreted and the rising main was put into order.

(a2) Complaint regarding smell nuisance from the Robert Road Ejector near Gun House from General Gupta was looked into.

Although this ejector worked normally and kept sewage at low level, smell was coming from the Head man-hole of the high level gravitation sewer into which the ejector discharges. To obviate smell nuisance from this man-hole a vent shaft had already been provided. However, fresh concrete was provided round the head man-hole and a 6" pipeline was laid from the inlet man-hole of the ejector upto to vent shaft.

Since this arrangement; the smell nuisance has stopped and there is no complaint received from the Military authorities since this completion.

(b & c) Colaba Purification Plant and Pumping Station.

The complete overhauling work of primary settlement Tank No. 1 and 2 was carried out.

The complete overhauling work of Aeration Row No. 1 was nearing completion.

Painting of Iron and steel material is usually undertaken at least thrice in a year as there is a lot of corrosion due to vicinity of sea as well as presence of H₂S in the surrounding.

Laboratory tests on trial plant scale are still being carried out for the speedy removal of H₂S from the sludge gas and results are awaited.

A statement showing the yearly and monthly figures of sewage sludge and energy is attached.

Sewage Pumping and Compressor Stations

All the pumping and compressor stations worked fairly satisfactorily during the year. As the Sewree Jackeria Pumping Station was not in operation for a long time, it was abandoned and its machinery removed and kept at Matunga Stores. The empty premises was handed over to the Ward Officer.

Municipal Power Laundry

The contractors Messrs. Greaves Cotton and Co. Ltd., supplied a new boiler of higher capacity along with all storage tank and chimney. The installation work of boiler was in progress during the year under report.

The Municipal Power Laundry rendered washing services to the following institutions of the Corporation.

- (1) K. E. M. Hospital.
- (2) L. T. M. G. Hospital.
- (3) B. Y. L. Nair Hospital.
- (4) G. T. B. Hospital.
- (5) Kasturba Hospital.
- (6) E. N. T. Hospital.
- (7) R. P. T. B. Hospital.
- (8) Bellasis Road Maternity Home.
- (9) Naigaum Maternity Home.
- (10) Prabhadevi Maternity Home.
- (11) Victoria Road Maternity Home.
- (12) Imamwada Maternity Home.
- (13) Khetwadi Maternity Home.
- (14) All the hospitals and Maternity homes in Suburbs.

The rate of washing was fixed at Rs. 25 per 100 pieces of linen. The total No. of linen pieces washed during the year under report was 33,26,078.

VII.—TRANSPORT BRANCH

The main function of this Branch is to maintain and operate the vehicles for various Municipal departments for rendering several obligatory and discretionary civic services. By and large this function has been carried out satisfactorily by the department.

The department has a fleet of the vehicles of various types and makes. Majority of the vehicles have crossed their useful life and the parts thereof are also not readily available. This, therefore, hampered occasionally the smooth working. As the maintenance of the fleet with various types and makes was not found to be suitable, it was decided to standardize the fleet in order to do away with the different types and makes of vehicles which were creating lot of difficulties in the maintenance of the fleet. With this view in mind 54 Nos. 7MB. vehicles are being purchased for being used for various services of the Corporation as a first phase of the standardization and replacement of old vehicles.

The department provided crane vehicles at the disposal of the Traffic Department for lifting the vehicles found discarded or causing obstructions to traffic on busy streets/roads.

During the year the reorganisation of transport stores was undertaken with a view to rationalising the purchase and issue of Transport Stores and bringing down the maintenance and operational cost of the fleet. The complete inventory of the stores at hand is being taken. Other steps such as appointment of special staff for stores, re-arrangement of materials, etc., are being taken simultaneously.

City Fleet.—At the beginning of the year the City fleet consist of 350 vehicles and 402 trailers. 12 vehicles were added as 5 were donated by CARE and 7 jeeps were purchased.

The vehicles are garaged as under:—

- | | |
|---|--|
| (1) E/E Ward garage, Agripada | } Refuse vehicles. |
| (2) D/Ward garage, Annesely Road | |
| (3) G/North garage, Dadar. | |
| (4) Prabhadevi garage at the junction of Gokhale Road and N. M. Joshi Marg. | } Refuse as well as transport vehicles. |
| (5) Ambulance garage, Sane Guruji Road | For infectious diseases ambulances and hearses V.I.P. cars School clinic bus, etc. |
| (6) Municipal workshop at Foras Road | For meat vans, offals and other vehicles. |

Servicing and battery charging of all Municipal vehicles was carried out at the Municipal Transport Workshops at Foras Road. The expenses of the Department are met from the Suspense Accounts and the same are re-imbursed by preferring the bills against the department utilising the vehicles.

VIII.—FACTORY SECTION

During the year under report 724 new permits were issued. Under Section 390 of the Bombay Municipal Corporation Act 1,274 prosecutions were launched against the owners of the factories for running the same without permits and the amount of Rs. 28,104 was recovered as fine. In all 258 complaints were received and the same were investigated and action taken wherever necessary. Total revenue collected was Rs. 2,73,115.75

IX.—COMMON HOUSE GULLIES

As previously reported under the Administrative Report for the year 1966-67, the programme of improving Common House Gullies in B, C D and E/Wards undertaken by the Corporation under Section 63(A) of the B.M.C. Act has been completed. It was decided further to improve the remaining Common House Gullies at the cost of the owners after issue of necessary notice in this behalf.

X.—CONSERVANCY BRANCH

Refuse Collection, Removal and Disposal

All the public roads, footpaths and house gullies were cleaned daily in the morning as well as afternoon.

The refuse collected during street cleansing operations as well as from the residential premises was regularly removed by engaging necessary mechanical traction.

The final disposal of refuse was carried out by reclaiming low lying lands at Deonar and also at Dharavi. The average daily out put of refuse removed was about 1,800 tons.

Transport (Refuse Fleet)

The following Municipal Transport was utilised for collection and transporting of refuse.

	Nos.	per	shift
(1) Scammell Refuse Trailers	185
(2) Motor Lorries	18
(3) Scammell Horses	16
(4) Trailer tractor combination	13
(5) Trailer traction	50
			<hr/> 282

As the above Municipal fleet under reference was absolutely inadequate for the regular removal of refuse, lorries were hired from private contractors.

Collection, Removal and Disposal of Night Soil

Collection, removal and disposal of night soil and Cess-pool effluent was carried out from 1,153 privy seats existing in F and G Wards by engaging 5 cesspool lorries. The maintenance of public Sanitary conveniences was also done.

Dog Licensing Destruction and Immunization Work

The work of licensing per dogs as well as capturing and destroying stray dogs was carried out throughout the year. During the year under reference 8,015 per dogs were licensed and 25,719 stray dogs were captured and destroyed.

Removal and Disposal of Dead Animals

Dead animals from the city were removed to Deonar 803 big animals and 12,513 small animals including the carcasses of dogs were removed to the Mahalaxmi siding.

Veterinary Services

The veterinary section of this Branch was in charge of the Hospital of Infectious Diseases of animals a Mahalaxmi siding. Animals from private owners were also admitted in these hospitals on payment of fixed fees. Immunization of pet dogs was also carried out at different Anti Rabic Centres and 419 dogs were immunized.

Private stables were visited for detecting infections of Rinderpest. Milch Cattle arriving in the city were immunized against Rinderpest. The total number of animals immunized was 42,507. One case of Rinderpest was detected during the year and 18 suspected cases were kept under observation.

Conservancy and Special Halalkhore Services

These services were rendered to Circuses, Exhibitions, Big Concerns Industrial establishments, etc., on payment of Schedule charges and an amount of Rs. 3,60,811.17 was collected on this account.

Sweepers' Chawls

The labour chawls in-charge of Conservancy Branch were regularly inspected and prompt action taken for rectifying sanitary as also structural defects noticed. Out of 7,000 employees about 50 per cent. staff have been provided with housing accommodation.

Co-Operative Credit Societies for the Labour Staff

There are in all 12 Co-operative credit societies with an aggregate membership of 5,450 members for the benefit of the labour employees of this Branch. The share capital subscribed is Rs. 31,57,808.95. The working of the Co-operative Credit Societies is satisfactory.

Removal and Disposal of Town Refuse at Deonar

About one thousand acres of land spread over in four portions of deep creeks at Deonar is taken over on lease from the Government by the Corporation to face the problem of disposal of city refuse, as well as to reclaim low lying creek land in the Khajans at Deonar.

The area is considerably large and the site being useful for reclaiming the land by city refuse may last for about 55 years.

Major portion of city refuse from A, B, C and D Wards is generally collected at Mahalaxmi siding and transported from there to Deonar reclamation ground for disposal by two trains daily each consisting of about 32 refuse wagons having an average capacity of about 17 tons and the rest is dumped at Dharavi dumping ground. The details of the refuse transported from Mahalaxmi to Deonar are as follows:—

Serial No.	Particulars	Current year 1967-68	Previous year 1966-67
1	No. of wagons received at Deonar	19,123 Nos.	22,696 Nos.
2	Quantity of refuse at an average rate 17 tones per wagon	3,25,091	3,85,832 Tonnes.
3	Cost of haulage	Rs. 2,89,924	Rs. 4,14,262
4	Cost of unloading	Rs. 4,99,946	Rs. 5,94,060
5	The cost per ton for the entire expenditure of K. D. Rlys.	Rs. 3.08	Rs. 3.08

Position of Municipal rolling stocks at the end of the year 1967-68.

Serial No.	Description	No. of wagons
1	Refuse wagons in running conditions	89
2	Break vans in running condition	4 Out of 4, 2 are sick.
3	Sick wagons	66

As the number of wagons was insufficient to deal with the huge quantity of city refuse to minimise the charges required to be paid for hired 61 Nos. of wagons from Western Railway, 100 Nos. of serviceable wagons are proposed to be purchased from Central Railway but the same has not materialised for non-availability of wagons with the Central Railway.

The hire charges per day for each wagons are Rs. 4.50. The cost of maintenance of siding at Mahalaxmi and Chembur during the year 1967-68 comes Rs. 24,747.

The length of main line and loop siding was 6,700 R.ft. The length of temporary siding varied from time to time. In order to extend the scope of refuse dumping operations by extending tracks the material, i.e. salwood sleepers bolts and nuts, W.I. spikes, babhal wood key, iron keys etc., were purchased to the extent of Rs. 24,000.

No additional land was reclaimed during the year under report. Only depressions, caused due to heavy down pour and Tidal waters in the creek and fires in the reclaimed land were filled in. Total income derived from various sources, i.e., sale right of cultivation, ground rent of lease reclaimed land etc., comes to Rs. 85,344.95.

There were No. of rail breaking instances and 7 incidents of derailment of wagons 2 incidents of Engine derailments, one incident of major fire at refuse siding at Deonar, but during all these incidents the work of hauling and unloading refuse was not hampered. The damage caused to the Municipal properties is about Rs. 3,000 due to fire.

The amenities, e.g., primary education, welfare centre etc., provided in municipal labour camp are continued.

XI—DEVELOPMENT BRANCH

During the year under report tracings of final development plans of different wards for the city and suburban areas were prepared, quotations for printing the copies of the sanctioned development plans for the city area were also invited.

Several representations as well as directions from the public and the State Government respectively were received by the department for deletion, modification of reservations or modifications proposed in the final D. C. Rules. The proposals were considered on their merits and forwarded to Corporation for their approval as required under Sections 37 and 50 of Maharashtra Regional and Town Planning Act 1966.

As far as suburban areas are concerned some of the proposed roads in the development plan have been demarcated.

Several Assembly questions regarding the industrial activity, the lists of the non-conforming industries that are required to be shifted, were replied to the Government. The election maps of different wards as per new constituencies fixing the outer boundaries were prepared.

Acquisition of Lands (Within City Limits)

Possession of 6 properties was obtained through Acquisition proceedings and proceedings in respect of 66 properties are in progress. Awards were made by the Special Land Acquisition Officer in respect of 8 properties and in 10 set-back cases, land values were fixed for payment of compensation of land acquired for widening of various roads and lanes.

Acquisition of Lands (Within Suburban areas Eastern and Western)

Possession of 14 properties were obtained through Acquisition proceedings and proceedings in respect of 41 properties are in progress. Awards were made by the special Land Acquisition Officer in respect of 15 properties and in 230 set-back cases, land values were fixed for payment of compensation of land acquired for widening of various roads and lanes.

XII.—TOWN PLANNING SCHEME

With a view to bringing uniformity in the working of the preparation of the Town Planning Scheme in the City, Suburbs, and Extended Suburbs were brought together and put under the charge of one Executive Engineer during the year under report. Within the area of the city, there are 4 Town Planning Schemes as under:—

- (1) Town Planning Scheme for Bombay City No. 1 (Mandvi and Elphinstone Estate).

The scheme has come into force from 1-12-1957. The work of its implementation was immediately started. Much progress could not be made during the year under report due to the following difficulties.

(1) As the Maharashtra Regional Town Planning Act 1966 under Section 88(c) of this act, it is the liability of the local authority to hand over the possession of Final Plot to the respective owners.

(2) It is Corporation policy to provide alternative accommodation to the affected persons in the scheme as far as possible in the same area.

However, physical possession of 27 plots from Mandvi and Elphinstone Estate schemes falling within the public sites of the scheme has been taken over so far. Further steps to take over remaining plots are in progress.

Contribution amounting to Rs. 84,429.77 was collected from the plot owners during the year under report and the total expenditure booked for the scheme work so far comes to Rs. 22,34,306.68.

T. P. Scheme II (Mahim Area)

- (2) Town Planning Scheme No. II, Mahim area.

- (3) Town Planning Scheme No. III Mahim area.

- (4) Town Planning Scheme No. IV Mahim area.

These are all finalised scheme and the works included in these schemes have been considerably completed barring only few which are not completed due to technical difficulties.

Out of the four schemes, the last one, viz., Town Planning Scheme No. IV Mahim area has been declared for variation and the work in respect of preparation of the draft scheme is in progress.

SUBURBS AND EXTENDED SUBURBS.

A (a)—Planning Branch.

This branch prepared plans, estimates and designs for the following works in Suburbs and Extended Suburbs during the year.

A (a) —Planning (Architectural).

Particulars.	Building works in Suburbs and Extended Suburbs.
I.—Contract Plans	9
II.—Clothe Tracing	50
III.—Paper Tracing	263
IV.—Blue Print Copies	5,520
V.—Block Estimates	2
VI.—Total Amount of Block Estimates	16,00,000
VII.—Detailed Plans and Estimates completed in all respect as shown above	30
VIII.—Total amount of detailed Estimates	1,63,39,985
IX.—Draft Tender	27
X.—Detailed Estimates in hand	10
XI.—Total approximate cost of detailed estimates in hand	1,00,00,000

Particulars of detailed plans and estimates completed in all respect as mentioned above.

Particulars.	No. of Estimates.	Estimated Cost.
		Rs.
I.—Schools (Permanent)	18	92,31,290
Schools (Temporary)	...	...
II.—Centralised Ward Officers	1	5,00,000
III.—Markets	1	15,45,243
IV.—Markets. (Temporary)	...	...
V.—Hospitals, Maternity Homes & Dispensaries	3	33,97,350
VI.—Miscellaneous Works	7	17,66,101
Total	...	1,64,39,934

A (b) — Planning (Bridges).

Particulars.	Bridge Works
I.—Contract Plans	Nil.
II.—Cloth Tracing	Nil.
III.—Paper Tracing	21
VI.—Blue Print Copies	296
V.—Block Estimates	3
VI.—Total amount of block estimates	Rs. 1,20,38,453
VII.—Detailed plans and estimates completed in all respect (as shown below).	5 Nos.
VIII.—Total amount of detailed estimates	Rs. 42,44,373
IX.—Draft Tenders	3
X.—Detailed estimates in hand	1
XI.—Total cost of detailed estimates in hand	Rs. 4,50,000
XII.—Scrutiny of plans.—	
(a) Railways	6
(b) Private Parties	6
XIII.—Scrutiny of estimates received from Railways	6

Particulars of detailed plans and estimates completed in all respects as mentioned above.

Particulars.	No. of Estimates	Estimated Cost.
(a) Bridges.	5	Rs. 42,44,373
(b) Miscellaneous		

A (c) — Planning (Sewers, S. W. Drains, Pumping Stations etc.)

Particulars.	No. of Estimates.
(1) Paper Tracing	67
(2) Cloth Tracing	8
(3) Contract—Drawings	142
(4) Blue Print Copies	3,208
(5) Amount of Estimates prepared.	Rs. 2,77,10,257.29

A (d) — Planning Electrical.

Particulars	No. of Estimates.	Estimated Cost.
1. Schools (Temporary)	1	Rs. 2,400
Schools (Permanent)	13	4,53,098
2. Centralised Ward Offices	1	
3. Markets	1	1,05,500
4. Hospitals, Dispensaries, Maternity Homes and Medical Colleges	6	3,60,860
5. Housing	6	2,33,880
6. Cemetary	2	54,700
7. Miscellaneous	4	1,29,348
8. Gardens		
9. Electric Lifts	5	3,01,731
10. Air Conditioning Plants	18	11,60,476
11. Miscellaneous Plants & Machinery	5	1,25,680
Total	61	29,30,634

(B) Road Construction Branch (Suburbs).

This branch is in charge of the works of (1) preparing plans and estimates of Resurfacing of existing roads construction of new roads, widening of roads and improving private streets and construction of storm water drain coming within the road ways (2) invitation of tenders and awarding contracts of road and S. W. Drains Works (3) supervision of road and storm water drains works.

During the year this branch has completed the works of construction of new roads, widening of the existing roads with foot-paths and storm water drains as shown in the appendix Nos. 13 and 14 to meet the increased traffic requirements.

At present the works shown in the accompanying appendix Nos. 15 and 16 were in progress.

The total expenditure of Rs. 2,48,89,596.95 was incurred during the year 1967-68.

(C)—Upkeep, Maintenance and Repairs to Municipal Properties.**Buildings.**

An amount of Rs. 18,44,649 was spent during the year on normal repairs and monsoon works on 699 Municipal Buildings in the Suburbs whereas an amount of Rs. 4,63,351 was spent on 159 buildings in the Extended Suburbs. The repair works were carried out either departmentally or through the Petty Works Contractors. The expenditure on special repairs was Rs. 7,61,405 on the works carried out departmentally and Rs. 19,29,175.10 on the works carried out by the Petty Works Contractors in the Suburbs. The expenditure on special repairs carried out departmentally and through the Petty Works contractors in Extended Suburbs arrived at Rs. 2,53,759.64 and Rs. 11,167.81 respectively.

Roads.

(1) The position of the roads in the Suburbs and Extended Suburbs is as shown below:—

Serial No.	Type of Roads.	Suburbs. Miles.	Extended Sub. Miles.
1	Water Bound	7.20	4.10
2	Asphalt	160.42	95.40
3	Concrete	21.66	9.14
4	Unmetalled	1.65	4.41
	Total	190.93	113.11

Normal maintenance of Asphalt roads was carried out during the year at a total cost of Rs. 30,26,297 in the Suburbs including cost of reinstatement of trenches opened by various departments and public utility concerns and at a total cost of Rs. 7,10,563.27 in the Extended Suburbs.

(2) Foot-paths 0.50 miles of footpaths were constructed during the year in the Suburbs and 9 miles of foot-paths were constructed in the Extended Suburbs.

(3) *Street Name Boards.*—An amount of Rs. 45,670 was spent on fixing new street boards and repairs to the existing ones in the Suburbs as against Rs. 7481 in the Extended Suburbs.

SEWERS AND DRAINS.

The work of cleansing pipe sewers, storm water drains and open drains attended to and the total silt removed from the Suburbs during the year was 5,13,133 C.ft. as against 2,69,600 C.ft. removed in the Extended Suburbs.

Ferry Service.

K Ward.—A royalty of Rs. 4,000 was received for the Ferry Service between Versova and Madh. The Service was operated through private contractors.

P Ward.—Service between (1) Marve and Manori and (2) Borivali and Gorai.

The Ferry Service in respect of the above continued to be operated through private contractors. The total receipt during the year amounted to Rs. 4,001.

STREET LIGHTING.

The number of street lights maintained in Suburbs was 9,846 during this year and 4,120 in the Extended Suburbs, and the expenditure incurred was Rs. 20,43,846.00 in Suburbs as against the total expenditure of Rs. 7,22,307.12 in the Extended Suburbs.

Appendices A and B are self expressive as to the progress maintained on the lighting arrangements in Suburbs and Extended Suburbs.

TRAFFIC.

(i) A total number of 5 islands are constructed in Suburbs and 2 in Extended Suburbs.

(ii) Raising of traffic islands in Suburbs and Extended Suburbs—8 Nos.

(iii) School Caution boards provided in Suburbs are 14 Nos. and in Extended Suburbs—80 Nos.

(iv) Road surface marking (Centre Line, Pedestrian Crossing etc.) were painted on all important roads in Suburbs and Extended Suburbs. Plastic studs were used in demarcating traffic lanes, pedestrian crossings and centre lines in Suburbs and Extended Suburbs.

(D) Inspection and Supervision of Private Buildings.

During the year under report, for the purposes of disposal of building plans, wards of Suburbs and Extended Suburbs were grouped and placed under the control of three Executive Engineers as under to secure efficient disposal

- (1) Executive Engineer Building (Proposals) Suburbs I—Wards L, M, N and T.
- (2) Executive Engineer Building (Proposals) Suburbs II—Wards H and K.
- (3) Executive Engineer Building (Proposals) Suburbs III—Wards P and R.

Private Building Construction (Suburbs and Extended Suburbs) Building Proposals.—2,800 proposals under Section 337 and 342 of the Bombay Municipal Corporation Act for erection of new buildings and for alterations and alterations to the existing buildings respectively were received during the year. The particulars are as under:—

Ward.	Proposals.		Total No. of Proposals.
	Section 337.	Section 342.	
L, M, N and T	709	288	997
H and K	780	416	1196
P and R	397	210	607
Total	1886	914	2800

New Buildings.—The position of residential and non-residential tenements constructed by different agencies (other than Municipality) is as under:—

Ward.	No. of proposal under Agencies.		Employers for their Employees.
	Pvt. Enterprises.	Co-operative Societies.	
L. M, N, & T.	949	195	3
H. & K.	797	172	18
P. & R.	390	...	...
	2136	367	21

The No. of proposal for non-residential building by private enterprises is 748.

	L.M.N. & T.	H. & K.	P. & R.	Total
(1) Proposals amended during the year	385	214	149	748
(2) Building completion certificates disposed off.	706	1320	246	2452
(3) Building sanctioned for occupation	196	596	413	1205
	47	71	453	571

City Survey Work.

Survey work of L, M, N, & T, P & R Wards has been completed and the enquiry works is in progress.

The work of measurement and enquiries in the following villages of H & K Wards have been completed by City Survey Office.

Name of the Villages.—	(1) Ismalia	(2) Ambivali.
	(3) Versova.	(4) Cundavali.
	(5) Mulgaon.	(6) Andheri.
	(7) Landavali.	(8) Brahmanwada.
	(9) Madh.	(10) Sahar.

House Numbering.—The work of fixing number plates and serving notices for 'H' Ward is in progress.

As regards 'K' Ward, the work of preparing and servicing notices has been started and the work of fixing plates will be taken in hand after the number plates are manufactured and supplied.

Layouts amalgamations and Sub-Divisions in the Suburbs and Extended Suburbs:—

WARD.	Proposals for						
	Layouts		Amalgamations		Sub-Divn. under Section 302	Sub-Divn. sanctioned under Section 303 by the S. C.	
	Received	sanctioned	Received.	sanctioned.			
L. M. N. & T.	...	19	14	33	24	33	19
H. & K.	...	22	8	9	4	21	8
P. & R.	...	39	17	19	11	44	16
		80	39	61	39	98	53

Tenements constructed during the year Appendix No. 25 Roads along which regular lines have been prescribed Appendix No. 26.

Unauthorised Structures.—During the year no sanction for removed of unauthorised structures was obtained in the suburbs as against 402 cases in Extended Suburbs. In addition 972 cases of previous year were pending disposal in the suburbs against 326 in the Extended Suburbs unauthorised works in 355 cases in the suburbs and 152 cases in the Extended Suburbs were removed by the parties themselves while in 2475 cases in the suburbs and 492 cases in the Extended Suburbs. Works were removed Departmentally either under the S.C.'s sanction or under provision of section 352-A of the Act.

Complaints from the public.—The No. of complaints received from the public in the Suburbs and extended suburbs was 3766 and 2760 respectively. The same were investigated and remedial measures were taken whenever necessary. Action in cases 3074 in the suburbs and 893 cases in the Extended Suburbs was in progress.

Notices issued.—The No. of notices issued under different relevant sections of Bombay Municipal Corporation Act in the Suburbs and Extended Suburbs was 2148 and 1190 respectively. Prosecutions were launched against the house-owners for non-compliance.

Building Collapse.—The No. of buildings or portion thereof collapse during the year in the suburbs and extended suburbs was 21 and 4 respectively and the No. of persons killed and injured was 5 and 10 in the Suburbs and no persons either killed or injured in the Extended Suburbs.

Set-back Land added to public roads.—The total area of set-back land added to the public roads in the suburbs during the year was 8219 sq. yds. as against 95617.30 sq. yards in the Extended suburbs and the compensation claims settled during the year were Rs. 2,49,685.64 and Rs. 38,048.32 respectively.

E.—Town Planning Schemes in Suburbs and Extended Suburbs.

There are 25 Town Planning Schemes in the area of Suburbs.

(A) Following are the Town planning Schemes which have been finalised and come in to force.

(1)	Town Planning Scheme	Bandra No. II (1st Variation).
(2)	Do.	Bandra No. IV (1st Variation).
(3)	Do.	Bandra No. V (do.)
(4)	Do.	Bandra No. VI (do.)
(5)	Do.	Bandra No. X.
(6)	Do.	Santacruz No. I (1st Variation)
(7)	Do.	Santacruz No. III (do.)
(8)	Do.	Santacruz No. IV (do.)
(9)	Do.	Santacruz No. V.
(10)	Do.	Santacruz No. VI (1st Variation)
(11)	Do.	Vileparle No. I (1st Variation).
(12)	Do.	Vileparle No. IV-IVA (do.)
(13)	Do.	Andheri No. I (1st Variation).
(14)	Do.	Andheri No. VI (do.)
(15)	Do.	Ghatkopar No. I (do.)
(16)	Do.	Ghatkopar No. VI (do.)

The works included in the finalised schemes stated above have almost been completed and the works which are not completed due to difficulties such as finding alternative accommodation to the occupants of the plots also encroachments etc., are expected to be completed in the near future. The Ward Officers who are in charge of the work of implementations are taking steps in that direction.

(B) *Draft Scheme and Variation of Schemes.*—The Town planning Schemes which are marked asterisk under 'A' above have again been declared for variation as it was found fit to bring the same in conformity with the Development control Rules and as required under the Maharashtra Regional and Town Planning Act, 1966.

In addition to the above, Town Planning Scheme Bandra No. I has also been declared for variation on the same ground.

The five schemes which have been declared for variation are expected to be submitted to Government during 1968-69.

Town Planning Scheme, Vileparle No. V has been already submitted to Government for sanction.

(C) Town Planning Schemes which are with the Town Planning Officer (Arbitrator under the Maharashtra Regional and Town Planning Act 1966).—

- | | | |
|-----|----------------------|-----------------------------------|
| (1) | Town Planning Scheme | Santacruz No. II (1st variation) |
| (2) | Do. | Vileparle No. II (1st variation). |
| (3) | Do. | Chatkopar No. II (1st variation) |
| (4) | Do. | Chatkopar No. II (do.) |
| (5) | Do. | Santacruz No. V (do.) |

Town Planning Scheme Bandra No. III (1st variation) in respect of which the appeals have been decided by the Board of Appeal has now been with the Town Planning Officer for re-drawing the scheme in the light of the decisions of the Board of Appeal. We have filed a writ petition in the High Court against the decisions of the Board of Appeal which have been found detrimental to the interests of the Corporation.

(D) The following schemes are before the Board of Appeal (Now tribunal of Appeal under the Maharashtra Regional and Town Planning Act, 1966).

- | | | |
|-----|----------------------|-----------------------------------|
| (1) | Town Planning Scheme | Vileparle No. III (1st variation) |
| (2) | Do. | Vileparle No. VI (do.) |
| (3) | Do. | Bandra No. II (2nd variation) |

The first variation of this scheme has already been finalised as stated at Sr. No. 1 under 'A' above.

The appeals in respect of Town Planning Scheme Vileparle No. III (1st variation) arising out of the decisions of the Town Planning Officer have already been heard by the Tribunal of Appeal.

Extended Suburbs.—There are three Town Planning Scheme in the area of the Extended Suburbs.

- | | | |
|-----|----------------------|-----------------------------|
| (1) | Town Planning Scheme | Malad No. I (1st variation) |
| (2) | Do. | Borivli No. I (do.) |
| (3) | Do. | Borivli No. II (do.) |

Out of these three schemes, the first one is now before the tribunal of Appeal for deciding the appeals arising out of the decisions of the Town Planning Officer while the remaining two are still before the Town Planning Officer (Arbitrator) and the hearing of the same is not still completed.

It is proposed to make various planning Schemes in 'P' and 'R' Wards (Kandivli area) in order to develop the area in the light of the Development Plan for the area. The work in that direction is in progress and the preliminary work before declaration of intention to prepare schemes is expected to be completed during this year.

F.—FACTORY SECTION.

The following table shows the position in the Suburbs and Extended Suburbs of the Factory Section

Serial No.	Particulars.	Suburbs.	Extended Suburbs.
1	Applications received	802	549
2	Applications disposed of	750	478
3	Applications undisposed of	52	71
4	New permits issued	326	447
5	Old permits renewed	222	159
6	Prosecutions launched	330	551
7	Prosecutions decided in favour of the Corporation	227	268
8	Prosecutions pendings	91	58
9	Fines recovered	Rs. 5,665	Rs. 6,187
10	Complaints received	69	65

G—SUBVENTION SCHEMES.

(1) In all 199 notices under Section 213 were served and for 149 cases parties submitted their proposals and in 107 cases house-owners have carried out the work in compliance with the notices served on them.

In all 37 notices under Section 248 (i)(c) of the B.M.C. Act for conversion of basket privies into water closets on full flushing system were served on the house-owners. In 18 cases privies converted into water closet on full flushing system. The total amount of subsidy paid during the year was Rs. 16,975.

(2) The Corporation under their resolution No. 2102 dated the 17th March 1958 and No. 858 dated the 17th November 1958 approved of granting subsidy of Rs. 200 per acqua privy seat and also similar subsidy for commodes being converted into W. C. on full flushing system on the basis of Basket privies.

(3) Similarly the owners from Suburban Areas have also been allowed to draw subsidy of Rs. 50 each per W. C. seat of the premises having septic tanks for disconnecting the flow of waste water from septic tanks and connecting the same to the Municipal sewers as per Corporation Resolution No. 794 dated the 24th October 1958.

H—MECHANICAL BRANCH (North & Project).

Since the reorganisation of mechanical branch at the fag end of the year 1966-67, following sections are under administrative supervision and control of Executive Engineer Mechanical (North & Project):—

- (1) Pumping and Purification Works in Suburbs.
- (2) Maintenances of Electrical installations in suburbs.
- (3) Road Roller section and Mechanical out-door section, in suburbs.
- (4) Dadar Purification Works.
- (5) Dharvi Purification Plant.
- (6) Planning and construction for mechanical and Electrical works for Drainage installation (Pumping and purification works) in City and Suburbs.

(1) *Sewage Pumping and purification Plants in Suburbs.*—There are three Purification Plants with Pumping Stations in their premises in Eastern and Western Suburbs. The Purification Plants give only primary treatment to the sewage along with sludge digestion. The sludge manure produced at the purification plants is sold by yearly contract to the Maharashtra State Farming Corporation. From Suburban Purification Plants total quantity of sludge manure sold is 167 brass of approximate cost of Rs. 1670.

There are in all eight sewage pumping stations in suburbs. In general these stations worked satisfactorily and the statistical details regarding the performance etc., is given in Appendix No. 17. The pumping capacity at Kurla Pumping Station is augmented by 4 m.g.d. Three old pumps of 0.75 m.g.d. capacity each have been replaced by new pumps of identical capacity at Underwadi Pumping Station and the pumping sets are commissioned. The work of augmenting capacity at Jaybharat Pumping Station is in progress.

Use of Sewage effluent for cultivations:—

Sewage supply from Chhatkopar Purification Plant is being continued to the contractors Messrs. Modern Cultivators for cultivation purposes at Deonar.

New Pumping station on Malad-Marve Road is under construction and part of the mechanical and electrical equipment is received on site. The pumping Station is likely to go into commission in early 1969. The work of installation of machinery of sewage pumping station at Salt Pan is in progress.

Proposal regarding installation of pumping stations at Kherwadi (Eandra East), Deonar and Mulund are under consideration and shortly tenders are being invited by the Planning Branch.

(2) *Maintenance of Electrical installation in Suburbs.*—Since the reorganisation of electrical section the work of maintenance of electrical installations at various properties attending to breakdowns and minor new works are being attended independently by the Ward Electrical staff under the guidance of electrical department and supervision of Ward staff. Few major works which could not be attended by the normal maintenance staff were carried out through the agency of this department. Approximate value of the works carried out through this section is Rs. 1,68,936 out of which the departmental works executed being worth Rs. 1,42,460 approximately.

(3) *Road Roller Section.*—There are 23 Road Rollers for the entire area of suburbs and extended Suburbs out of which 8 are steam rollers and remaining 15 are Diesel Rollers.

All the Road Rollers were in working order except for the period of repairs and survey of Boiler inspection.

On an average 74% of the Road Roller fleet was on the road during the year.

(4) *Mechanical Repairs.*—Out door Mechanical Repairs at various installations, Hospitals, Markets and Gardens in suburbs and extended suburbs were carried out. The repairs works generally consisted of repairs to collapsible gates, Rolling shutters, iron gates Tar Boilers, Water Tanks, repairs to pumps and such other minor mechanical jobs costing Rs. 18,854 approximately.

I.—TRANSPORT SECTION (Suburbs and Extended Suburbs)

The Suburban Transport Section is in charge of Asstt. Engineer Transport (Subs) and is responsible for the repairs and Maintenance of Refuse, Cesspool and other Water Works Vehicles, for Suburban Municipal departments and Master Plan vehicles.

Repairs to all these are carried out in the Municipal Workshop.

“The Garages arrangements for the vehicles for the Suburbs and Extended Suburbs.”

There are now in all 11 garaging places in the Suburbs, Extended Suburbs and other places in Thana District as follows:—

Serial No.	Ward	Location.	Type of vehicles.
1	K Ward	Chunna Bhatti, Opp. B. E. S. T. Depot, S. V. Road, Santa cruz West, Bombay 54.	Cesspool, Dog Van, Night Soil Trailors, Encroachment Van, Pick Up, Jeep, Cash Van.
2	L & M	Opp. Kurla Court, B. A. Road, Kurla, Bombay 70.	Refuse, Cesspool, Pick Up, Jeep.
3	do.	C. S. T. Road, Kurla, Bombay 70	do.
4	N & T	Park Site, Near Godrej Co. Vikhroli, Bombay	do.
5	P & R	Underai Road, Opp. Malad Police Station Malad West, Bombay 64.	Refuse, Pick Up, Cesspool, Dog. Van, N. S. Trailer.
6	Dahisar	National Park, Kannerly Caves Road	Pick Up, Jeep and Bus.
7	Powai	Opposite Powai Lake	do.
8	Kapurbawdy	Water Works Office, Kapurbawdy, Thana	Truck, Jeep.
9	Agra Road.	Agra Road near Bhivandi	do.
10	Shahapur	Shahapur, District Thana	do.
11	Vaitarna	Vaitarna	do.

The Ambulance and Dispensary Vans were parked in the premises of the respective institutions and were under direct control of Executive Engineer Transport.

This section supplied vehicles for rendering following services.

- (1) To Asstt. Head Supervisor, Range I, II and III for collection and disposal of Town Refuse, Night Soil, Cesspool Water and Septic Tanks.
- (2) To the Asstt. Superintendent of Licence for Removal of Encroachment on Road and footpaths and also for a removal of unauthorised projections and frames.
- (3) To the Dy. Assessor & Collector for collection of Cash and removal of distrained vehicles to the Municipal godowns.
- (4) To the Ward Officers of N & T, L & M, P, R, H and K for transport of Road materials.
- (5) To the Dy. Accountant (Suburbs) for collection of cash and disbursement of pay.
- (6) To the Dy. Medical Officer School for the Medical Inspection of pupils in the Municipal Schools.
- (7) To the Asstt. Insecticide Officer for anti-malaria measures.
- (8) To A. E. M. (W. W.) P & R, H & K, L & M, N & T, A. E. C. (W. W.) Zone I, II, and III for the Water Works purposes and laying of Water pipe lines etc.
- (9) To Executive Engineer Dahisar, E.E.M.P., E.E. Ulhas, E.E. Upper Vaitarna and E.E. Bhatsai for Water Works Schemes.

The expenses of the department are met from the Suspense Account Budget 'A' Division II, and the same are reimbursed by preferring the bills against the Departments utilizing the vehicles.

1. CONSERVANCY BRANCH

The Suburban and Extended Suburban area has been divided into three Ranges (Range I, II and III) for the discharge of administrative and executive functions to the Branch.

(1) *Cleansing of Roads and footpaths*:—The roads, footpaths and open places were swept in the following manner.

(a) Twice Daily	...	...	...	...	19,35,735 Sq. Yds.
(b) Once Daily	...	...	...	...	40,13,001 "
(c) Twice a week	...	...	...	...	13,9,266 "
(d) Once a week	...	...	...	...	1,75,567 "
(e) Occasionally	...	...	...	...	1,45,043 "
				Total	76,68,412 "

(2) *Collection, Removal and disposal of Refuse Collection.*—(a) House Hold Trade Refuse and sweepings from roads were collected in all 1997 municipal dust bins and no refuse Trailor places at convenient places as against 1,750 (Municipal -dustbins) in the previous year.

Municipal dust bins and Refuse Trailors were attended to daily, an alternate days and weekly as per density of the population. Out of 1,37,785 tons of refuse collected, 1,36,548 tons of refuse was utilised for reclamation of municipals lands and 1,237 tons sold to private parties for reclamation of their land.

(3) *Prevention of Nuisance.*—During the year 177 cases under Section 372(e) of the B. M. C. Act for indiscriminate throwing of refuse and 783 cases for urinating on public roads were filed in the court under Section 115(a) of the B. C. P. Act.

(4) *Cleansing of open Drains (Municipal and private).*—The work of cleansing of Road side sullage drains was carried out and 10,05,754 sq. yds., area was cleansed.

(5) *Collection, Removal and disposal of Night Soil.*—There exists 10,469 Basket Privies as against 10,682 for the previous year and 213 basket privies were either demolished or converted during the year.

The total number of Public Sanitary Conveniences is 271 having 1,568 seats.

During the year under report 12,869 gallons of Night Soil from latrines were collected and removed every day. The open plots and fields fouled by public were also cleansed and in all 19,25,985 gallons of Night Soil removed.

(6) *Cesspool Clearance.*—During the year 4,043 cesspools, existing in Range, I, II and III were attended to and a total 6,59,25,865 gallons of cesspool contents were removed.

(7) *Disposal of Night Soil.*—The Night Soil and cesspool contents collected at the following Depots. (1) Khar Purification Plant (2) Versova Night Soil Depot. (3) Oshivra Night Soil Depot, (4) Gorai Road Borivli were disposed of in the creeks at different points.

(8) *Special Services on payment were continued as under:—*

(1) Removal of trade refuse from private markets.

(2) Cleansing of Commodes.

(3) Cleansing of temporary privies erected for dramas, Tamashas etc.

(9) *Dog Licensing, Immunisation and Destruction.*—(i) *Dog Licensing.*—During the year 3,270 dogs were licensed in the various wards under Range I, II and III on payment of dog.

(ii) *Dog Immunisation.*—During the year 410 dogs were immunised.

(iii) *Dog destruction.*—During the year the work of catching dogs for destruction was carried out and in all 17,580 dogs were caught and sent to lethal chambers at Mahalaxmi.

(10) *Removal and Disposal of Carcasses.*—The work of removal and disposal of carcasses was carried out with the help of contractors.

(11) *Labour Welfare.*—There are seven welfare Centres working at (1) Khar, (2) Andheri, (3) Versova, (4) Municipal staff quarters at Kurla. (5) Vikhroli (6) Chembur, (7) Mulund. In addition to the above there are Co-operative Credit Societies from which staff members took advantages.

(12) *Veterinary Dispensary at Khar.*—Junior Veterinary Inspector, Khar who was in charge of veterinary dispensary carried out the work of Inspection of Milch Cattle stables treated 3,565 and 226 animals and birds were treated respectively and 98 inoculations were done.

(13) *Income.*—The total income (Revenue) from various sources earned by Conservancy Branch (Range I, II & III) during the year was Rs. 81,454.76 paise.

APPENDIX No. 1.

Statement showing the works of Building construction in progress and those completed in the year of 1967-68.

Serial No.	Name of the works.	Estimated amount.	Expenditure upto 31-3-1968.
(A) Works Completed.		Rs.	Rs.
<i>(1) City (a) Housing.</i>			
1	Construction of (1) 20 tenements at Tulsī Pipe Road, (2) 40 tenements and 10 shops at Mahim.	5,92,190.00	5,44,103.00
2	Construction of extension to nurses quarters and alteration to the existing quarters at G. T. B. Hospital, Sewri.	5,74,908.80	3,46,808.00
3	Construction of 372 tenements and 8 shops at Raoli Camp, Sion ...	33,23,099.30	23,59,928.00
4	Construction of 144 tenements and 11 shops at Arthur Road (Sane Guruji Road).	11,70,207.97	7,01,918.00
			39,52,762.00
<i>(b) Building works other than Housing.</i>			
5	Construction of additional third floor over existing school building at Chandanwadi (Girgaum).	12,36,569.00	8,47,108.00
6	Construction of additional 2nd and 3rd floor over Centralized E Ward Office at Sankli Street.	9,50,090.96	18,17,304.00
7	Construction of wholesale market at Byculla near Meher Market ...	12,03,550.58	5,92,496.00
8	Construction of a tube well for water supply at Chandanwadi ...	4,875.00	8,106.00
9	Construction of school building at Matunga Labour Camp, Dharavi.	13,96,172.77	10,96,670.00
10	Earth filling for the proposed public park at Dharavi ...	13,07,935.00	10,04,465.00
11	Construction of dispensary and Maternity Home at Kamathipura...	16,79,571.00	9,95,593.00
12	Additional 3rd floor over dispensary and Maternity Home at Kamathipura.		
13	Additions and alterations in the room of T. N. M. College at the audiology clinic for a sound proof test room.	43,737.00	48,235.00
14	Providing pile foundation for school building at Globe Mills Passage.	1,67,450.41	1,51,977.00
15	Providing pile foundations for market at Worli Neighbourhood unit area.	2,59,547.84	2,65,865.00
16	Construction of suction Tank of 2 Nos. at Kasturba Hospital Sane Guruji Road. ...	49,552.00	26,556.00
17	Extension to the existing school building at Kamathipura 7th Lane	2,59,093.00	2,08,440.00
18	Laying out Sion Fort Hill as a Recreation Centre ...	13,71,003.05	11,27,597.00
19	Providing and fixing 729 benches at various places in Greater Bombay.	54,315.00	54,315.00
Total ...			1,03,44,728.00
II.—Suburbs and Extended Suburbs.			
<i>(a) Housing.</i>			
20	Construction of 300 tenements and 150 Aqua privies in Sector 'A' at Malvani, Malad.	8,03,440.00	} 12,78,680.00
21	Construction of 300 tenements and 150 Aqua privies in Sector 'B' at Malvani, Malad.	7,01,495.00	
22	Construction of Electric Meter cabins for 1000 tenements at Malvani, Malad.	43,017.00	
23	Providing filling for the bund and around 600 tenements at Malvani, Malad.	1,94,769.00	
Total ...			12,78,680.00

APPENDIX No. 1—(Contd.).

Serial No.	Name of the works.	Estimated amount.	Expenditure upto 31-3-1968.
		Rs.	Rs.
<i>(b) Buildings other than Housing.</i>			
24	Construction of school building at Dahisar ...	6,62,283.00	6,28,464.00
25	Construction of 50 bedded Hospital at Tulsi Baug, Sardar Vallabh-bhai Patel Road, Borivali.	19,80,312.00	13,50,198.00
26	Providing amenities to the Hindu Cemetery at Babhai Village, Borivali.	2,61,416.00	1,49,173.00
27	Additional 2nd floor to the Municipal Kurla School at Kurla Station.	1,03,139.00	77,565.00
28	Providing pile foundation for the proposed Dispensary with, Maternity Home and Nurses Quarters at Chunabhatti, Kurla.	1,15,080.79	73,848.00
29	Providing pile foundation for the proposed school building at match factory lane, Kurla.	...	63,952.00
30	Construction of a school building on Survey No. 42(2) at Deonar Village.	...	5,08,807.00
31	Construction of school building at Horse-shoe Valley, Ghatkopar.	...	5,56,391.00
32	Providing additional floor over the Seth V. C. Gandhi and Seth M. A. Vora General Hospital at Rajawadi, Ghatkopar.	3,29,399.04	4,53,393.00
33	Temporary Market at Park site Vikroli ...	...	90,331.00
34	Additions and alterations to school at Tagore Nagar Vikhroli (East)	...	3,59,618.00
Total ...			43,11,740.00

(B) Works in Progress.*(1) City (a) Housing.*

1	Construction of building 'A' with 12 shops and 45 tenements in M-1 area, Kamathipura.	5,33,632.00	67,132.00
2	Construction of 358 tenements for Co-operative Housing Society for Municipal staff and Councillors at Worli.	91,48,891.25	12,89,852.00
3	Construction of 30 self-contained tenements at Peru Chawl, Lalbaug.	2,53,490.00	51,222.00
4	Construction of 44 self-contained tenements at Dadasaheb Falke Road.	2,51,589.00	7,301.00
5	Construction of 372 tenements and 8 shops at Raoli Camp, Sion ...	33,23,099.30	23,59,928.00
6	Construction of 328 tenements and 12 shops at Raoli Camp, Sion.	29,55,849.55	8,62,845.00
7	Construction of 32 tenements and 10 shops at Raoli Camp, Sion.	5,26,822.00	79,905.00
8	Superstructure work of 17 Buildings at Dharavi ...	1,83,93,973.00	33,04,392.00
9	Superstructure of 10 buildings E & A Type at Dharavi ...		
10	Superstructure work of 20 buildings 'G' Type at Dharavi ...	Included in the amount of Serial No. 8, 9.	8,43,224.00
11	Construction of 240 tenements at Haji Ali Park (Superstructure)	85,56,312.19	38,27,612.00
Total ...			1,26,93,414.00

APPENDIX No. 1.—(Contd.).

Serial No.	Name of the works.	Estimated amount.	Expenditure upto 31.3.1958.
		Rs.	Rs.
	(b) Building other than Housing.		
12	Construction of a Centralised B Ward Office Building and Staff Quarters at Babula Tank Road.	15,48,900.00	8,51,947.00
13	Construction of a building for the whole-sale cum-retail market for fish, beef and offices at Falton Road, Fort.	89,69,344.02	23,46,853.00
14	Superstructure work of school building at Souter Street, Byculla.	5,06,438.00	3,20,966.00
15	Construction of additional floor over existing eye hospital at, Kamathipura.	6,22,765.00	368.00
16	Construction of temporary school building at Chimna Butcher Street	6,00,000.00	46,785.00
17	Construction of Haji Ismail Haji Allana Municipal School at Antop Hill Road, Wadala.	4,02,450.00	3,28,002.00
18	Construction of a kitchen block Building No. 3 and extra for building No. 1 at L. T. M. G. Hospital, Sion.	49,34,046.00	1,53,572.00
19	Construction of additional floor over 'X' Ray Therapy at K.E.M. Hospital, Parel.	2,11,766.00	1,70,522.00
20	Construction of school building in place of existing new Kumbharwada Marathi School opp. Dongre Eaug at Krishnaji Vaman Chitale Road.	5,44,029.00	4,34,394.00
21	Additional wings to Cynological Ward at K. E. M. Hospital, Parel.	15,70,800.00	8,71,191.00
22	Proposed construction of kitchen and dining hall, medical and general stores for R. P. T. B. Hospital, Sewri	7,36,434.00	4,01,327.00
23	Construction of school building at Raoli Camp Sion-Matunga Estate, Scheme No. 6.	11,98,375.65	6,31,905.00
24	Filling and providing compound wall at Gavari Hindu Cemetery at Wadala.	1,24,425.00	52,692.00
25	Superstructure for school building at Raoli Camp, Sion	15,78,108.00	6,42,451.00
26	Proposed clinic and Maternity Home at Lady Harcings Road	9,52,732.00	Nil.
27	Superstructure work for Dental College at Savoy Hotel, Dr. A. L. Nair Road.	40,05,603.00	6,53,016.00
28	Superstructure work for Hospital Building in the premises of B. Y. L. Nair, Hospital Compound.	82,44,076.93	26,29,177.00
29	Additional 3rd floor over existing school building at Gilder Lane School.	4,18,552.00	51,565.00
30	Superstructure work for the construction of market at Worli Neighbourhood Area Colony with library hall and residential quarters on upper floors.	16,04,828.16	5,81,467.00
31	Superstructure of a school building at Globe Mill passage in Lower Parel Division.	10,56,420.59	3,07,596.00
32	Construction of a rifle range at Worli	6,90,597.00	94,460.00
33	Construction of temporary O.P.D. and Wards at L. T. M. G. Hospital, Sion.	1,00,000.00	3,56,229.00
34	Providing Pile Foundation for the proposed building for a Dental College for B. Y. L. Nair Charitable Hospital at Dr. A. L. Nair Road.	2,42,121.65	Nil.
35	Construction of R. C. C. Suction Tank pump rooms and R.C.C. overhead storage tanks and towers at Municipal Housing Colony, Dharavi.	included in amount of Serial No 8 and 9	2,46,070.00
36	Construction of 36 tenements and 4 shops at Worli	4,04,675.00	122.00
	Total	4,12,58,486.00	1,26,53,120.00

APPENDIX No. 1.—(Contd.).

Serial No.	Name of the works.	Estimated amount.	Expenditure upto 31-3-1968.
		Rs.	Rs.
II.—Suburbs and Extended Suburbs.			
<i>(a) Housing.</i>			
37	Construction of 20 tenements at Khar ...	2,64,539.00	1,35,899.00
38	Construction of 120 tenements at Tata Compound, Andheri ...	14,21,184.00	36,102.00
39	Providing weather sheds, Otlas, drainage water supply passages and screen walls for 600 tenements at Malvani, Malad.	3,75,547.00	83,684.00
40	Replacing Jolly Board roofing and shutters for 1000 tenements at Malvani, Malad.	3,32,478.00	36,464.00
41	Construction of 422 self-contained tenements on Municipal land at Deonar.	1,39,86,077.00	36,25,972.00
42	Construction of 160 self-contained tenements on Municipal land at Deonar.		
43	Providing internal plaster and door to bath-rooms for 942 tenements at Horse Shoe Valley, Chatkopar.	4,93,956.00	1,37,307.00
44	Filling and construction of W.C.s and W.Ps. for hutment Dwellers colony at Chatkopar (East).	16,20,577.00	9,35,554.00
45	Internal plaster for 664 tenements at Park Site, Vikhroli ...	2,83,520.00	20,578.00
	Total ...		50,12,560.00
<i>(b) Buildings other than Housing.</i>			
46	Construction of superstructure of 250 bedded hospital at Juhu Development Scheme at Vile Parle.	83,74,713.00	28,27,280.00
47	Completion of unfinished work at Bhabha Hospital, Bandra ...	11,83,361.00	3,62,504.00
48	Construction of Western approach to the rail over Bridge at Andheri.	21,26,187.00	19,62,777.00
49	Construction of Eastern approach to the Rail over Bridge at Andheri.		
50	Proposed additions to the existing school building at Kherwadi ...	1,43,679.00	1,35,334.00
51	Construction of school building at Sanyasashram Road, Vile Parle	9,08,022.00	56,826.00
52	Construction of school building at Govind Nagar, Malad ...	12,26,355.00	1,26,011.00
53	Extension of 'P' Ward Office Building at Liberty Garden, Malad	2,01,421.00	28,013.00
54	Providing additional floor over existing school building on Flot No. 65, Town Planning Scheme I, Malad (East).	1,15,315.00	15,831.00
55	Addition and alteration to the existing Maternity Home, Marve Road, Malad.	10,29,329.00	2,55,826.00
56	Providing amenities to Hindu Cemetery at Malad ...	1,88,802.00	Nil.
57	Construction of Maternity Home and staff quarters at Dharmashala Premises, Borivali.	8,46,601.00	4,54,723.00
58	Construction of school building at Poisar Village, Knadivali ...	12,78,138.00	43,210.00
59	Construction of Dispensary with Maternity Home and Nurses Quarters at Chunabhatti, Kurla.	9,88,455.00	51,219.00
60	Proposed extension to school building at Chembur Naka, Chembur	5,52,849.00	1,38,863.00
61	Proposed school building at Takya Ward, Kurla ...	3,93,985.00	76,951.00

APPENDIX No. 1—(Concl'd).

Serial No.	Name of the works.	Estimated amount.	Expenditure upto 31-3-1968.
		Rs.	Rs.
62	Construction of school building at Municipal Housing Colony, Deonar.	11,11,420.00	31,206.00
63	Construction of a foot-bridge over the Nallah near Municipal Colony, Deonar.	40,000.00	20,439.00
64	Construction of a Municipal Primary School Building on Plot No. 90 (part) at Ghatla Village, Chembur.	4,45,065.00	29,772.00
65	Construction of addition of Lavatory blocks to Primary School in Sindhi Colony at Chembur.	1,43,599.00	30,150.00
66	Providing amenities to Hindu Cemetery at Sonapur, Lane, Kurla	2,93,462.00	93,022.00
67	Construction of a Swimming Pool at Plot No. 195, Town Planning Scheme III, Chatkopar.	11,07,707.00	3,65,394.00
68	Construction of a school building on Plot No. 65, T. P. S. III, Chatkopar.	5,90,309.00	2,09,218.00
69	Dispensary and Nurses Quarters at Park Site, Vikhroli	3,86,497.00	2,14,417.00
70	Construction of school at Park Site, Vikhroli	9,33,169.00	2,03,901.00
71	Construction of school at Tank Road, Bhandup	8,31,375.00	67,162.09
72	Additions and alterations to Maternity Home, Mulund	7,63,127.00	35,559.00
73	Construction of a Swimming Pool on Tank Site, along M. G. Road Kandivali.	11,31,257.00	7,24,416.00
74	Additions and alterations to the existing Municipal School Building on C. S. No. 50 (part) of Vile Parle at Kol Dongri Andheri; (Work is left half done by previous contractors. Tender for remaining work are received and recommended).	1,53,383.00	12,914.00
Grand Total		3,82,35,730.00	78,77,936.00

APPENDIX No. 2.

Road Construction Branch (City).

Statement showing the works completed in the year 1967-68.

I.—Road Resurfacing works in Asphaltic Concrete—

- (1) Kittridge Road (Woodhouse Road to Shaheed Bhagatsingh Road).
- (2) Arthur Bunder Road (Strand Road to Shaheed Bhagatsingh Road).
- (3) Fergusson Road (N. M. Joshi Road to Worli Naka).
- (4) Mohomedalli Road (Mandvi P.O. to Yusuf Meheralli Road).
- (5) Lady Jamshedji Road (Trench taken by H.E.'s Department) (Mahim Chawk to Miya Mohomed Chhotani Road).
- (6) Road Nos. 3, 3-A and 1 (Part) in Scheme No. 6, Sion.
- (7) Pandita Ramabai Road (Chowpaty Sea Face to Nana Chowk).
- (8) Approaches to fly overbridge at Kemps Corner.
- (9) Lady Jahangir Road.
- (10) Muncherji Joshi Road.
- (11) Hormasji Adenwalla Road.

II.—Construction of New Roads—

- (1) Construction of roads in T.P.S. IV Mahim Part I(b) in the area bounded by Rao Bahadur S. K. Bole Road, Dadar Road, T. P. Line Road, Elphinstone Road and Gokhale Road (South).
- (2) Construction of roads in T.P.S. IV Mahim Part-II in the area bounded by Nariman Road, Swatantra Veer Savarkar Marg, Dnyaneshwar Mandir Road and Sea Face.
- (3) Construction of semi-grouted roads in T.P.S. IV Mahim Part IV in the area bounded by Gokhale Road South Sayani Road Swatantra Veer Savarkar Marg and Drainage Channel Road.
- (4) Construction of 78'-0" wide road in 3½" Asphaltic concrete from Raoli junction to the southern limit of C. P. W. D. Housing Colony.
- (5) Construction of semi-grouted roads in T.P.S. IV Mahim Part III in the area bounded by Ranade Road, Cadell Road, Sayani Road, Gokhale Road (South) and Gokhale Road (North).
- (6) Construction of grouted roads in T.P.S. IV Mahim Part I(A) in the area bounded by Dadar Road, Rao Bahadur S. K. Bole Road, Gokhale Road (North), N. C. Kelkar Road and Tulsi Pipe Line Road.
- (7) Proposed 40' wide road in semi-grouting opp. Salamati Hill in Raoli Camp.
- (8) Concreting passages in the compound of Love Grove Pumping Station.

III.—Road widening—

- (1) Bhandarkar Road from Lakhamsi Napoo Road to Kings Circle.
- (2) Globe Mill Passage between Dr. Annie Besant Road and N. M. Joshi Marg.
- (3) Sion Agra Road in City Limits.
- (4) 20' wide passage off Bhau Daji Road from Dr. K. A. Subramaniam Road to Road No. 19 in Sion-Matunga Estate.
- (5) Adding set-backs to Road No. 8 Scheme No. 6 Sion.
- (6) Adding set-backs to Road No. 32 Scheme No. 6 Sion.
- (7) Adding set-backs to Sion Road at Aurora Cinema Intersection.

IV.—Improving Private Streets—

- (8) Construction of private street off Arthur Bunder Road.

APPENDIX No. 3.**Road Construction Branch (City).***Statement showing the works in progress.***I.—Road Resurfacing Works in Asphaltic Concrete—**

- (1) Gokhale Road (North). Shivaji Park Junction to Rao Bahadur S. K. Bole Road).
- (2) Babula Tank Road (J. J. Hospital junction to Mazagaon Road).
- (3) Currey Road including Bridge and approaches (N. M. Joshi Road to Dr. Ambedkar Road).
- (4) Gowalia Tank Road (Bhulabhai Desai Road to Tejpal Road).
- (5) Dr. Ambedkar Road (Part in cement concrete) (Khodadad Circle to Poibawdi).
- (6) Tardeo Road (V. M. School for Blind to Nana Chowk).
- (7) Jail Road (East) (S. V. P. Road to Babula Tank Road).
- (8) Road No. 18 Wadala (R. A. Kidwai Road to Road No. 33-A).
- (9) Dr. Bhadkamkar Road and Dr. Anandrao Nair Road (Falkland Road to Arthur Road).
- (10) Lady Jamshedji Road (Trench taken by H.E.'s Deptt.) (Miya Mahomed Chhotani Road to Lady Hardings Road).

II.—Construction of new roads—

- (1) Construction of 100' low level road at Sewri from Gollanji Hill Road to Zakeria Bunder Road.
- (2) Construction of 144 metres (30 ft.) wide access road on east of newly constructed Municipal Industrial Building at Rasul Jiwa Compound, Clerk Road in asphalt Macadam and Liquid seal coat.
- (3) Construction of Eastern approach to Dharavi Bridge by the side of Lokmanya Tilak Hospital, Sion.
- (4) Proposed realignment of (i) E. Road (ii) Road on the West of Marine Lines, Station and (iii) Netaj Subhash Road in connection with quadrupling of tracks on Western Railway between Churchgate and Grant Road.
- (5) 60' and 44' roads in Raoli C. P. W. D. area.

III.—Road Widening—

- (1) Widening Duncan Causeway from Eastern Express Highway to City Limits.
- (2) Adding set backs to Napean Sea Road from Narayan Dabholkar Road to Harkness Road.
- (3) Adding set-backs to Dr. Anandrao Nair Road.
- (4) Adding set backs to Road No. 18 Wadala between R. A. Kidwai Road and Road No. 33-A.
- (5) Adding set-backs to Road No. 29 Scheme No. 6 Sion.

IV.—Improving Private Streets—

- (1) Semi-grouting the private street leading to Rajkamal Kalamandir off Dr. S. S. Rao Road.

APPENDIX No. 4

Drainage (City).

The following works have been completed during the year under review:—

Serial No.	Name of the work.	Estimated Cost.
1	2	3
		Rs.
1	Providing and laying 9" and 12" dia. sewer and 15"-18" 36"-39" dia. S. W. Drain along proposed 100" wide Rafi Ahmed Kidwai Road, Sewri.	1,80,153.00
2	Repairs to the collapsed portion of S. W. Drain at Babu Khote Street ...	30,612.00
3	Providing and laying 9" dia. pipe sewer in place of existing sewer line in portion of North Brook Street towards Sardar V. P. Road.	13,611.00
4	Providing and laying 42" dia. S. W. Drain outfall for 'Ramtek' off Narayan,, Dabholkar Road.	26,815.00
5	Providing and laying (24") 600 mm. dia. S. W. Drain along 20' road, private street ... off Parel Government House Gate Road, Leading to Raj Kamal Studio.	31,324.00
6	Desilting of the existing S. W. Drain from the junction of Erskine Road-C. P. Tank Road to the Northern end of Mahalaxmi Race Course.	6,11,695.00
7	Providing and laying 9" dia. pipe sewer along Kamathipura 10th Street near new Maternity Home at Stable Street.	9,208.00
8	Desilting of the drainage channel from Dr. Moses Road to Dr. Annie Besant Road and upto Mahalaxmi Race Course at Love Grove.	1,19,859.00
9	Repairs to the collapsed portion of 6'-0"×4'-0" arch S. W. Drain within western railway compound near Grant Road Railway Station (East).	3,887
10	Providing and laying 12"-18" dia. S. W. Drains in private streets off Arthur Bunder Road near Strand Cinema (Fines ABC-BG-JO-LP).	63,487.00
11	Providing and laying 12"-18" dia. S. W. Drains in private streets off Arthur Bunder Road near Strand Cinema (Fines TD-CDEF-LMN-KL and CHO).	93,837.00
12	Replacement of the portion of 250 mm. (9") dia. C. I. rising main for Tank Bunder Pumping Station along low level Victoria Road.	26,772.00
13	Providing and laying 800 mm. (32") dia. S. W. Drain in Central Railway property between Chinchpokli and Curry Road Stations.	10,264.00
14	Providing and laying 12"-15"-18"-21"-24" and 27" dia. hume pipe S. W. Drain along Sections AA, AE, EMN, PQ and QR along Tokersi Jivraj Road, Sewri.	1,81,429.00
15	Providing and laying 15"-18" dia. hume pipe storm water drain along Jakeria Bunder Road.	58,259.00
16	Providing and laying 230 mm. (9") dia. and 300 mm. (12") dia. sewer for the proposed Nair Hospital Building at Bombay Central.	36,030.00
17	Providing and laying 9" and 12" dia. pipe sewer along Tukaram Joshi Street ...	56,303.00
18	Replacing the existing 250 mm. dia. pipe sewer and constructing a manhole over lamp hole at Vijayawadi, Girgaum.	4,124.00
19	Diversion of 48" dia. Hume pipe drain damaged due to foundation of new Grant Road Railway Station Building at Grant Road Station.	7,597.00
20	Construction of Additional manholes in F and G War's ...	4,08,077.00
21	Providing and laying sewer and S. W. Drain along Shakti Mills Lane ...	1,18,091.00
22	Desilting the S. W. Drains in Tulsi Pipe Road and cutting the channel from Mahim Creek to Mahim River.	1,42,452.00
23	Cunite treatment for Bridge soffits at Mahim Causeway and Worli ...	1,37,500.00
24	Providing and laying 9" dia. sewer now Mohamedan Cemetery ...	50,032.00
25	Repairs to 6'×4' brick arched drain at Sewri ...	84,030.00

APPENDIX No. 4—Contd.

Serial No.	Name of the work.	Estimated Cost.
1	2	3
		Rs.
26	Extension of 3'×2'-9" dhapa drain at Koliwada Pumping Station	... 7,800.00
27	Providing and laying 12"-15" dia. S. W. Drain at Kidwai Nagar, Wadala	... 60,525.00
28	Providing and laying 12" dia. S. W. Drain for 288 tenements at Sion Koliwada	... 42,250.00
29	Providing and laying sewer and S. W. Drain in Antop Hill Road Part-II	... 2,90,928.00
30	Extension to effluent drain at Dharavi Purification Works	... 4,31,432.00
31	Providing and laying 1'-6"×1'-6" dhapa drain along Laxmi Narayan Lane	... 46,853.00
32	Providing and laying 27" dia. H. P. Drain along Dadasaheb Phalke Road	... 86,733.00
33	Construction of pumping station at Salt Pan Land	... 6,56,512.00
	Total	... 35,26,431.00

DRAINAGE (Subs).

Serial No.	Names of the Work.	Estimated cost
		Rs.
1	Providing and laying 48" dia. R. C. pipe sewer line along Western Express Highway at Kherwadi from M. H. Nos. 53 to 75	... 4,28,337.00
2	Providing 18" C. I. rising Main from Jai Bharat pumping station including dry well	... 2,44,694.00
3	Providing 30" dia. sewer line along Nehru Road at Santacruz (East)—Area 'A'	... 1,58,536.00
4	Providing 27"-12"-9" dia. sewer line at Santacruz (East)—Area 'B'	... 1,46,674.00
5	Providing 12"-9" dia. sewer line at Santacruz (East)—Area 'C'	... 1,43,027.00
6	Providing 9" dia. sewer line at Cazdar Scheme at Santacruz (West)	... 35,807.00
7	Providing open storm water drains in P & R Wards	... 1,27,503.00
8	Providing open storm water drains in 'H' Ward.	... ..
9	Providing open storm water drains in 'K' Ward	... ..
10	Antiflood measure works in 'H' Ward	... 50,000.00
11	do. do. in 'K' Ward	... 50,000.00
12	do. do. in 'P' Ward.	... 50,000.00
13	do. do. in 'R' Ward	... 50,000.00
14	do. do. in L & M Ward	... 50,000.00
15	do. do. in N & T Ward	... 50,000.00
16	Training of majas nalla (Part) at Jogeshwari (East).	... 49,057.00
17	Training of Mhatre nalla at Borivli 'R' Ward	... 37,791.00
18	Training of M. H. B. nalla at Borivali 'R' Ward	... 42,394.00
19	Training of Chandavarkar nalla (Fortien A to B) at Borivli 'R' Ward	... 48,059.00
20	Training of Chandavarkar nalla (Fortien C to D) at Borivli 'R' Ward	... 37,403.00
21	Training of Chandavarkar nalla (Fortien D to E) at Borivli 'R' Ward.	... 37,532.00
22	P/L 12"-15"-9" dia. H. P. sewer along K. B. Road Chembur	... 3,60,838.00
23	P/L 9"-12" sewer in Kiroli village Chatkpar	... 75,810.00
24	Providing and laying sewer near Vidyavihar Station — Part IV	... 2,61,604.00
25	Co nstruction of septic tank on dumping ground at—Mulund.	... 22,840.00
	Total Rs. ...	25,68,086.00

APPENDIX No. 5

Drainage (City).

The following works were in progress during the year under review.

Serial No.	Name of the work.	Estimated cost
		Rs.
1	Providing and laying S. W. Drains in 'B' Ward, Babula Tank Road and Sardar Vallabhbhai Patel Road Main Roads part I	3,45,759.00
2	Providing and laying S. W. drains in 'B' Ward between Babula Tank Road and Sardar Vallabhbhai Patel Road Bye Lane Part I	2,89,103.00
3	Providing and laying S. W. Drains in 'B' Ward between Sardar Vallabhbhai Patel Road and Yusuf Meheralli Road. (Masjid Bunder Road) Part II	6,64,048.00
4	Providing and laying S. W. Drains in 'B' Ward between Sardar Vallabhbhai Patel Road and Yusuf Meheralli Road (Masjid Bunder Road) Bye Lane Part II	2,72,649.00
5	Providing and laying S. W. Drains in 'B' Ward between Yusuf Meheralli Road (Masjid Bunder Road) and Lokmanya Tilak Marg (Carnac Road) Main Road Part III	2,93,357.00
6	Providing and laying S. W. Drains in 'B' Ward between Yusuf Meheralli Road (Masjid Bunder Road) and Lokmanya Tilak Marg (Carnac Road) Bye Lanes Part III	1,87,027.00
7	Providing and laying 450 mm. (18"), 400 mm. (15"), 300 mm. (12") and 250 mm. (9") dia. pipe sewers along Babula Tank Road	2,55,197.00
8	Construction of additional manholes in city from A to E Wards in lieu of body connections, lampholes, and where distance between two manholes is large.	9,47,916.00
9	Providing and laying 250 mm. (9"), 300 mm. (12"), 400 mm. (15"), 450 mm. (18") and 700 mm. (23") dia. pipe sewer along Narayan Dabholkar Road, and Bhagwanlal Indrajit Road and (b) estimate for covering + widening open drain off Narayan Dabholkar Road upto 42" dia. S. W. drain outfall near 'Ramtek'	4,98,458.00
10	Providing and laying (a) 250 mm. (9") dia. pipe sewer and (b) 300 mm. (12"), 400 mm. (15") and 450 mm. (18") dia S. W. Drain in the proposed low level Parel Tank Road (G. D. Ambedkar Marg)	1,77,131.00
11	Construction of a Digestion tank, a Gas holder, a Gas control room between the new Digestion tank and new Gas Holder, and a gas control room between the existing digestion tank and existing gas holder at Dadar Purification Works	9,55,166.00
12	Renewal of filter media of press filter No. 1 at Dadar Purification Works	74,094.00
13	Providing and laying 300 mm. (12") dia. 600 mm. (24") dia. storm water drain and 1.52 M x 1.07 (3'-0" x 3'-0") dhapa drain at King Circle and 450 mm. (18") dia. S. W. drain along 20' passage near Manav Seva Sangh at King Circle.	4,53,854.00
14	Gumite treatment for the bridge soffits at Mahim Causeway and at Dr. Annie Besant Road Worli.	2,84,793.00
15	Additional works at Dharavi Treatment Plant to give primary treatment to further 10 m. g. d. of sewage—mechanical and electrical equipment for	5,76,644.00
16	Providing and laying sewer and S. W. Drains in Antop Hill Area Part I	4,24,162.00
17	Do. 9" sewer and 12"-16"-18" dia. S. W. Drain at Sewri-Wadala Scheme No. 57.	2,31,659.00
18	Extension of 6' x 5' double barrelled dhapa drain Estrelia Batteries at Dharavi	1,90,361.00
19	Providing and laying sewer and S. W. Drain in Antop Hill area Part III	3,56,808.00
20	Providing sewerage facilities for Dharavi area	9,45,992.00
21	Covering of open channel drain between Liphinstone Road and Textile Mills culvert.	12,65,797.00
22	Providing and laying sewers S. W. Drains in Mahim T.P.S. III North of Mori Road.	1,79,577.00
23	Providing and laying sewers and storm water drains at Matunga Labour Camp	2,23,827.00
24	Regrading drainage channel at Cleavel and Bunder, Worli	75,300.00
25	Desilting the channel between Textile Mills Culvert and Annie Besant Road	34,693.00
Total		1,02,03,352.00

DRAINAGE (Suburbs).

Serial No.	Name of the Work.	Estimated Cost.
		Rs.
1	Providing 30" dia. R. C. pipe sewer line along Jai Prakash Road at Versova Andheri (West).	3,95,090.00
2	Providing 28" dia. R. C. pipe sewer line along Jai Prakash Road At Andheri (West)...	2,56,699.00
3	Providing 9" dia. S. W. pipe sewer line at Andheri (East) area " K "	2,34,338.00
4	Providing 30"-24"-9" dia. sewer line at Andheri (East) area " H "	2,50,500.00
5	Providing 12"-9" dia. sewer line at Andheri (East) area " M "	2,92,410.00
6	Providing 24"-9" dia. sewer line at Andheri (East) area " L "	4,10,465.00
7	Providing open storm water drains and training of nallas in P & R Wards	18,40,756.00
8	Proposed storm water drainage arrangement in Hall Ward, Kurla	1,89,935.00
9	Training of Mogranalla from Sonapur Lane upto M. H. B. Colony at Andheri (West).	5,86,820.00
10	Training of nalla at Marol Market Andheri (East)	1,23,539.00
11	P/L 18" dia. sewer along Govandi Road, Chembur	55,522.60
12	P/L 48" dia. R. C. sewers in Mulund West	1,99,254.88
13	P/L 30" dia. R. C. sewer near Vidyavihar Station, Part III	2,76,036.09
14	Laying of 18" dia. Rising mains at Deonar	59,054.86
15	P/L 900-300 mm. (33"-12") H. P. sewer and 250 mm. 9" dia. S. W. pipe sewer along S. V. Road, from junction of Jawahar Nagar Road to Oshivra Bridge at Goregaon (West) Part I.	2,32,842.00
16	P/L 18"-12" H. P. sewer and 9" dia. S. W. pipe sewer along S. V. Road (G. B. Road) from Govind Nagar Road to junction Jawahar Nagar Road, Goregaon (West) Part II.	2,72,639.00
17	P/L 30" dia. and 12" dia. H. P. sewer and 9" dia. S. W. Pipes sewer along S. V. Road from junction Jandia Road upto Lajpatrai Road at Malad (West) Part B.	2,03,460.00
18	P/L 700-300 m.m. (27"-12") dia. H. P. sewer and 250 mm. (9") S. W. pipes sewer along S. V. Road between Mathuradas Road and Goras Wadi, Kandivli (West) Part I.	1,48,690.00
19	P/L 300-250 mm. (12"-9") dia. sewer along S. V. Road north of M. G. Road between Station Road and M. G. Road and between Poisar Bridge and Balasindor Co-operative Housing Society at Kandivali (West) Part II.	1,81,258.00
20	P/L 450-400-300 (18"-12"-15") dia. H. P. Sewer and 250 mm. (9") dia. S. W. Pipe sewer along S. V. Road from Poisar Bridge to junction uncobai Road Borivali (West) Part I.	2,29,277.00
21	P/L 400-300 mm. (15"-12") dia. R. C. sewer and 250 mm. (9") dia. S. W. Pipe sewer along S. V. Road at Borivali (West) Part II.	1,75,836.00
22	P/L 1500 mm. (60") dia. H. P. Sewer along the Relief Road at Kandivali from junction of Marve Road upto the junction Extension Shankar Lane.	2,05,528.00
23	Construction of 1828×2743 mm. ovoid sewer along Marve Road from junction of 100' Relief Road upto the site of Marve Road Pumping Station, Malad (West).	7,95,085.00
24	P/L 300 mm. dia. R. C. pipe sewer and 250 mm. S. W. Drain along Marve Road, from 44" Road upto the junction with 100' Relief Road at Malad (West).	1,35,823.00
25	Construction of Pumping Station holding pond and compound wall, Roads, and reclaiming the land Mechanical and Electrical work at Malad Pumping Station, Malad (West).	25,10,355.00
26	P/L 72" R. C. H. P. along proposed 100' Relief Road, Malad (West), Part IV	2,61,102.00
27	P/L 44" H. P. along proposed 100' Relief Road from junction of Extension of Shankar Lane to M. G. Road, Kandivli.	5,68,289.00
28	P/L 28" R. C. H. P. along the Shankar Lane to the junction of S. V. Road, Kandivali.	1,91,506.00
Total ...		1,12,82,168.00

APPENDIX No. 6.

Serial No.	Name of the Street.	Remarks.
1	Private Street at Govalia Tank Road.	Portion of the work reported to be in-complete is being attended to.
2	Private Street off Dr. E. Moses Road (Haines Road) near Kores (India) Ltd.	The work of the improvement of the street is completed. Accounts are to be verified by the Chief Accountant's Office. The street will be declared public under Section 306 of the B.M.C. Act after verification of the Accounts.
3	Private street known as Gowalia Chawl Lane	Do. do.

APPENDIX No. 7.

Private Streets proposed to be improved at the frontagers cost without resorting to action under Section 305 of the B.M.C. Act.

Serial No.	Name of the Street.	Remarks.
1	Private Street off Dr. S. S. Rao Road leading to Raj Kamal Studio.	Underground drainage work is completed and road construction work is in progress.
2	Private Street from Dr. E. Moses Road (Haines Road) to Stores Depot of Western Railway.	Do. do.

APPENDIX No. 8.

List of Municipal references dismissed by the Chief Judge of the Small Causes Court.

Serial No.	Reference No.	Name of the Party.	Locality.	Remarks.
1	M-123 of 1959	... Ranchhoddas Gopaldas and Others.	1st Pasta Lane.	Leave to appeal to supreme Court was granted.
2	M-124 of 1959	... Do.	... Do.	Do.
3	M-125 of 1959	... Games Arbent Halloween	... Do.	Do.
4	M-126 of 1959	... Manharlal Maganlal Sukhadia	Do.	Do.
5	M-128 of 1959	... Pannalal Parsilal & Others	... Do.	Do.
6	M-127 of 1959	... Gamnabai R. Rupaji	... Do.	Leave to appeal to Supreme Court is applied for.

APPENDIX No. 9.

Priority list of 15 Private Streets in City Limits approved by Municipal Commissioner. The streets are to be improved at Municipal cost as required under Section 63(K) of the Bombay Municipal Corporation Act as per Corporation Resolution No. 1297 of 10-1-1963.

Serial No.	Ward.	Locality.	Remarks.
1	A	Private Street between Soreb Bharucha Road and 1st Pasta Lane.	Objections were not received from the owner or owners of the street. Plans and estimate are being submitted to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Bombay Municipal Corporation Act.
2	A	Mosque Lane between Robert Road and Colaba Road.	Do. do.
3	A	Private Streets near Strand Cinema	Some portions of the passages are already improved by the Ward concerned. Sanction will be applied for improving the remaining portions after the removal of encroachments over the portions.
4	C	Dady Santok Lane (Boriki Chawl) off J. Shankar Shet Road, Girgaum Road.	Objections were not received from the owner or owners of the street. Plans and estimates are being submitted to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Bombay Municipal Corporation Act.
5	C	Jivanji Maharaj Wadi off 3rd Bhoiwada.	Objection from the owner of the street was received. The party was requested to produce documentary evidence to prove his claim to the street and party's reply is awaited.
6	C	Mirchi Market Lane between Sk. Memon Street and Janjekar Street.	Objections from the owner or owners of the Street were not received. Plans and estimates are being submitted to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Bombay Municipal Corporation Act.
7	D	Passages around Banganga Tank	Ward concerned had carried out the improvement work.
	D	Private Street of Tardeo Road by the side of Sarvodaya Mill Compound.	Objections from the owner or owners of the street were not received. Plans and estimates are being submitted to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Bombay Municipal Corporation Act.
9	E	Private street between Chinchpokli Cross Lane and Sussex Road Cross Lane behind Old Maratha Hospital near Palanji Chawl.	Do. do.
10	E	Private street between Mazagaon Road to Belvadare Road.	Objections received, parties were requested to produce documentary evidence to prove their claims to street. The parties had not produced any evidence. Their objections therefore were not considered valid.
11	E	Private street known as Ripon Road Cross Lane from Morland Road junction to Maulana Azad Road.	Objections received, the parties were requested to produce documentary evidence to prove their claims to the street. The parties had not produced any evidence. Their objections therefore were not considered as valid.
12	E	Passage between Parel Tank Road and Kala-chowky Road south of Western India Mills.	Objections were not received from the owner or owners of the street. Plans and estimates are being submitted to Works Committee (City) and Corporation for sanction as required under Section 63(k) of the Bombay Municipal Corporation Act.
13	F	Private street known as Thakurwadi off Naigaum Cross Road near Parsi Agiary.	Do. Do.
14	G	Private street known as Dana Bazar Gully off Sitaladevi Temple Road.	Do. do.
15	G	Private streets around Mahim Durgah off Swatantryveer Sawarkar Marg, (Cadell Road).	Do. do.

APPENDIX No. 10.

List of Municipal references reported pending during the last year.

Serial No.	Municipal Reference No.	Name of the Party.	Locality.	Remarks.
1	M-85 of 1960	... Huseinbhoj Laji & others.	Private Street leading to Sophia College	Decided in favour of the Corporation.
2	M-12 of 1961	... Maniambai Mahomed Kasam.	Adam Mistry Lane	Do.
3	M-14 of 1961	... Hirjeebhai Lakhmidas	Do.	Do.
4	M-22 of 1961	... Kondabai Bhiku Kachawai	Private Street Opp. aKmathipusa 5th Lane.	Do.

APPENDIX No. 11.

Sewage Pumping Stations.

Serial No.	Name of the Pumping Compressor Station.	Total quantity of sewage pumped in in Litres.	Units consumed K.W.H. during the year.	App. cost of Electric energy in Rs.	Remarks.
1	2	3	4	5	6
				Rs. P.	
1	Matunga Pumping Station...	20743542500	663226	67,762	04
2	Mahim Pumping Station ...	11377109000	402940	29,569	75
3	Tulsi Pipe Lane Pumping Station.	4804337000	239060	18,166	25
4	Globe Mill Passage Pumping Station.	7367731400	226420	16,207	37
5	Wadala Pumping Station ...	10027922000	575990	45,313	51
6	Duncan Causeway Pumping Station.	40142400	67556	897	37
7	Sion Pumping Station ...	872993100	168633	12,212	24
8	Sant Gadge Maharaj Chowk Pumping Station.	12072608500	327630	23,796	92
9	Chinchpokli Pumping Station	1167085500	...	...
10	Nepean Sea Road Pumping Station.	1518110500	70167	7,822	19
11	Harvey Road Pumping Station	1597047200	101449	10,212	52
12	Tank Under Pumping Station	469136000	36774	4,904	38
Compressor Stations.					
1	Victoria Garden Air Compressor Station.	...	808294	44,509	84
2	Carrol Road Air Compressor Station.	...	126443	10,760	20

APPENDIX No. 12.

Detailed report of the total output of the Municipal Foundary and sanctioned rates for Castings for the year 1967-68.

Serial No.	Type of the Casting.	Nos.	Weight.	Rate.		Per	Total Amount.	
				Kgs.	Rs. P.		Rs.	P.
1	C. I. Manhole frames and covers ...	604	132664.8	120	00	Each	72,480	00
2	C.I.steps for manholes ...	650	3538.0	4	00	"	2,600	00
3	C.I. O. P. Boxes ...	175	4725.0	30	80	"	5,390	00
4	C. I. S. T. Large Boxes ...	80	1264.0	17	40	"	1,392	00
5	C. I. S. T. small boxes ...	100	1040.0	13	60	"	1,360	00
6	C. I. Round boxes ...	10	190.0	1	60	Kgs.	304	00
7	C. I. Gas Brx's ...	66	1135.0	17	40	Each	1,148	00
8	C. I. Gratings 20" x 19" x 2 1/2" ...	2	136.0	1	25	Kgs.	170	00
9	Do. 19 1/2" x 18 1/2" x 2" ...	4	204.0	1	25	"	255	00
10	Do. 19" x 19" x 2" ...	6	307.2	1	25	"	384	00
11	Do. 18 1/2" x 18 1/2" x 2" ...	5	255.0	1	25	"	318	75
12	Do. 18 1/2" x 18" x 2" ...	5	230.0	1	25	"	287	50
13	Do. 6" x 6" x 1/2" ...	200	248.0	3	70	Each	740	00
14	Do. 4" x 4" x 1/2" ...	500	300.0	1	80	"	900	00
15	Do. 8" x 8" x 1/2" ...	25	60.0	4	30	"	107	50
16	Do. 5" dia. ...	40	16.0	2	10	"	94	00
17	Machinable castings ...	...	25159.5	1	60	Kgs.	40,247	20
18	Non machinable castings ...	...	300.0	1	25	"	375	00
19	C. I. wheels 10" x 2" ...	50	500.0	1	60	"	800	00
20	Do. 6" x 2" ...	100	500.0	1	60	"	800	00
21	Do. 10" x 1 1/2" (Rubber) ...	38	273.6	1	60	"	437	00
22	Do. 18" x 3" (Rubber) ...	15	270.0	1	60	"	432	00
23	Do. for winches ...	3	88.4	1	60	"	61	44
24	C. I. Dhapa Frames F/N ...	150	4350.0	1	60	"	6,960	00
25	C. I. Gratings for Laundry ...	30	1200.0	1	60	"	1,920	00
Non Ferrous Castings.								
26	G. M. Castings 88/10/2 ...	...	2059.9	21	40	"	44,081	86
27	Do. 87/7/3/3 ...	...	3869.4	18	50	"	71,768	90
28	Brass Castings ...	...	265.6	11	70	"	3,108	11
29	Aluminium Castings ...	...	44.8	13	90	"	622	72
30	Copper Castings ...	...	62.4	11	70	"	730	08
31	C. I. Oil Castings ...	...	410.0	5	90	Each	2,419	01
32	Aluminium street number plates ...	708	110.0	3	70	"	2,619	40
33	Milling in white Metal bearings ...	3	...	56	00	"	168	00
Total ...			185736 08				2,65,471	86

APPENDIX No. 13

Road Branch (Western Suburb) List of work completed during the year 1967-68.

Sr. No.	Name of the work.	Estimated Amount.
		Rs.
(1)	Widening of carriageway at Station Road, Pandra ...	68,494
(2)	Construction of roads and storm water Drains in Gazdar Scheme, Santacruz ...	2,18,400
(3)	Constructing passage at Danda and Danda Pada Village. ...	1,10,473
(4)	Construction of road leading to Versova Jetty from Versova Bus Terminus ...	1,55,405
(5)	Improving and widening of Mathurdas Vissanji Road i.e. Kurla Andheri Road, 70' portion between Andheri to Bramanpuri (in asphaltic Macadem) ...	31,51,834
(6)	Proposed widening of 15th Road between 1st Road and Main Avenue Vile Parle ...	1,31,682
(7)	Widening of Dr. Ambedkar Road from Turner Road to 30th Road, Bandra ...	1,59,847
(8)	Widening of road joining Ganes Road and Hindu friends society road including open built up S. W. Drains and widening of culverts at Jogeshwari ...	5,65,777
(9)	Construction of storm water Drains along the roads in Pantwadi Scheme, Bandra. ...	3,47,732
(10)	Widening of Dilak Road and Mahatma Gandhi Road at Santacruz (West) ...	3,29,189
(11)	Widening of road joining Swami Vivekanand Road 2nd Hasanbad Lane with built up S. W. Drain ...	45,408
(12)	Proposed widening of new Nagardas Road between Mathurdas Vissanji Road and Road to sub way Andheri (Last) including S. W. Drains ...	1,86,138
(13)	Providing and laying Humane Drain from Chakala Road junction of Diversion Road to Tank behind Cigarette Factory Andheri (Last) ...	3,973
(14)	Construction of open S. W. Drains along road side at Jaybharat Society, Khar ...	1,20,395
(15)	Widening of Chandawadi Road, Andheri, including construction of S. W. Drains ...	1,42,586
(16)	Improvements of private street known as Meera Marg, Santacruz ...	74,005
(17)	Improvement of private street of Hill Road opp. Tank of India Building, Bandra ...	40,844
(18)	Construction of road including side drains in Koldongri Village between Salsette tract and Dadabhoy Road ...	4,23,529
(19)	Construction of Roads in Shri Krishna Nagar Borivali (Last) ...	4,84,936
(20)	Development of Roads in Cama Land, Goregaon ...	2,04,315
(21)	Absorbing the central reservation of Mahatma Gandhi Road, Goregaon ...	4,00,035
(22)	Proposed extension of Divetia Road, Malad ...	5,15,636
(23)	Widening of Hemu Kalani Cross Road, B. I. O. 3 at Kandivali ...	91,302
		80,04,959

APPENDIX No. 14

Road Branch (Eastern Suburbs).

List of works completed in Eastern Suburbs

Sr. No.	Name of the work.	Estimated cost.
		Rs.
(1)	Training of Nallah along Mahatma Gandhi Road across Railway Track Kesar Baug at Mulund (East) ...	92,458.00
(2)	Training of Nallah at Bhattipada, Ehandup ...	3,48,055.15
(3)	Providing foot-paths and open drains for central salsetter Road between its junction with Ghatkopar Mahul Road and Sion Trombay Road at Chembur ...	1,81,291.24
(4)	Providing S. W. Drainage arrangement wherever necessary on Bombay Agra Road from City Limits to Sanghani Estate at Ghatkopar ...	4,60,991.70
(5)	Providing 3" thick asphaltic concrete over the existing carriageway and providing asphalt seal coat for the foot-paths where ver necessary on Bombay Agra Road from City Limits to Sanghani Estate at Ghatkopar ...	17,19,420.08
(6)	Proposed widening the carriageway and improving the existing surface by semi-grounting of Mahatma Gandhi Road, Mulund from Railway Station to Rajendra Prasad Road and providing foot-paths in this Road ...	3,88,827.60
(7)	Proposed widening and improving the surface of carriageway with asphalt Macca dam of Corridor Road from Anik Village to Gawanpada ...	6,26,997.00
(8)	Improving the Carriageway by Semigrouting the Road in hutment Dwellers Colony at Tagor Nagar, Vikhroli ...	3,82,454.22
(9)	Proposed widening the carriageway and improving the existing surface of Nataji Subhash Road from Dr. Rajendra Prasad Road to Sardar Vallabhai Patel Road, Mulund and providing foot-paths on this road ...	3,96,523.55
(10)	Repairs by premix chip-coat to old Bombay Agra Road from its junction with Nathuram Road to Police Court, Kurla and Mahatma Gandhi Road from Ghatkopar Mahul Road to Bombay Agra Road, Ghatkopar ...	4,87,012.50
(11)	Asphalting the area near the Octroi Office and Truck Terminal at Esatern Express Highway at Mulund ...	5,37,100.00
(12)	Laying 48" dia. H. P. drains culvert across the approach road to Municipal Office, E.E. Highway, Mulund ...	20,826.00
(13)	Proposed construction of S. W. Drains in T. P. S. III, Ghatkopar ...	15,66,547.00
(14)	Improving of Magan Nathruam Road, Kurla, with asphalt maccadam ...	1,05,768.22
(15)	Improvement of Bail Bazar Road, Kurla, with asphalt Maccadam ...	1,07,458.44
(16)	Asphalting passages in Kanjur Village at Ehandup ...	47,114.13
(17)	Widening and improving with asphalt Maccadam surface Ghatkopar Mahul Road from Chembur Level Crossing to Sion Trombay Road ...	7,11,873.12
(18)	Improvement of Eleven private streets in L and M Ward ...	1,88,108.00
(19)	Construction of the Roads at (i) Gandhi Nagar, (ii) Jamnadas Nagar and road leading to M. A. Mehta Municipal School at Ghatkopar ...	68,777.00
(20)	Widening of Jawaharlal Nehru Road at Mulund ...	1,06,403.00
(21)	Construction of part of Jangal Mangal Road, Bhandup ...	1,50,527.00
(22)	Ashalting the passage and constructing side drains in village, Nacghrapads, Gawanpada, Nanepada and Nahur in Mulund East ...	1,57,064.00
(23)	Proposed widening with a sphalt Maccadam of Statlon Road, Vikhroli ...	1,33,089.00
(24)	Improving private street in postal Colony, Chembur ...	74,603.00
(25)	Providing as asphalt Maccadam surface along C.S. T. Road from junction of Sion Trombay Road to Ghatkopar Mahul Road ...	1,68,973.00
(26)	Widening the Carriageway and improving the existing surface of (1) Vithalbhai Patel Road (2) Valji Ladhabbhai Road (3) Zavar Road (4) R. H. Ehojraj Road (5) Dr. Ambedkar Road and (6) Trivedi Road, Mulund and providing foot-paths on these roads ...	6,63,455.00
(27)	Widening of Bombay Agra Road with asphalt maccadem and providing S. W. Drains from Shangrilla Biscuit Factory upto Ehandup Municipal Cl d Limit ...	5,36,118.00
(28)	Providing foot-paths and open S. W. Drains from Central salsette Road between its junction with Ghatkopar Mahul Road and Sion Trombay Road at Chembur ...	1,53,984.00
(29)	Providing S. W. Drains in Government Housing Scheme with sub scheme No. XVIII Kirol Western Section and Rajawadi Scheme at Ghatkopar ...	1,16,888.00
(30)	Widening the Carriageway of Eorla Koliwada Road, Chembur, from Ghatkopar Mahul Road to Sion Trombay Road ...	4,28,901.00
(31)	Widening of Ghatkopar Mahul Road from Chembur Naka to Anik Village ...	5,58,675.00
(32)	Widening of Bombay Agra Road Stage I ...	8,34,780.00
(33)	Widening of Bombay Agra Road Stage II ...	11,62,738.00
(34)	Widening of Bombay Agra Road Stage V ...	11,25,838.00
	Total ...	1,48,84,637.95

APPENDIX No. 15
Road Branch (Western Suburbs)
List of works in progress 1967-68

Serial No.	Name of the Work	Estimated amount. Rs.
(1)	Widening C. S. T. Road (Shahar Road Andheri), between Police Line and Western Express Highway including providing S. W. Drains ...	15,85,259
(2)	Widening the bridge over Mithi river near Andheri Saki Naka at Sir Mathuradas Visanji Road (Andheri Kurla Road) ...	5,25,550
(3)	Widening of 17th Road Khar including provision of S. W. Drains. ...	2,57,114
(4)	Widening of Tejpal Road from Station Road to Parleshwar Road Vile Parle ...	3,44,889
(5)	Widening of Nehru between Tejpal Road and Aerodrome Road, Vile Parle ...	6,62,735
(6)	Widening of Hanuman Road with S. W. Drains, Vile Parle ...	5,10,274
(7)	Construction of Roads in Manglorian Garden Society at Vile Parle (East) ...	3,44,889
(8)	Widening and providing S. W. Drains along Jayprakash Road, Andheri from Dadabhai Road to 7 bungalow ...	29,26,501
(9)	Resurfacing and widening of Datta Mandir Road, Vakola ...	90,530
(10)	Widening roads in Jawahar Nagar Khar providing S. W. Drains ...	1,50,000
(11)	Widening of Mahatma Gandhi Road, Kandivali, (78') with Asphalt Macadam ...	8,65,998
(12)	Widening of Malad Marve Road to a width of 78' Malad ...	17,15,936
(13)	Improving widening of Swami Vivekanand Road from Oshivra Bridge to Borivali Level crossing ...	85,20,547
(14)	Construction of Gotai Manori Road with Liquid seal coat ...	10,95,990
(15)	Providing and laying open S. W. Drains along Hemu Kalani Road No. 3 and 4, Kandivali, ...	1,12,636
(16)	Widening of Akurli Road at Kandivali (East) ...	9,60,671
(17)	Providing S. W. Drains along Mahatma Gandhi Road, Kandivali ...	12,62,920
(18)	S. W. Drains at Malad Marve Road at -Malad ...	91,407
(19)	Widening of Ramchandra Road at Malad (West) ...	4,31,443
(20)	Widening of Eksar Road at Borivali (West) ...	6,94,695
(21)	Widening of Sardar Vallabhbhai Patel Road at Borivali (West) ...	15,13,824
(22)	Widening of Shimpoli Road between Swami Vivekanand Road to Shimpoli Village, Borivali (West) ...	5,88,573
(23)	Widening of certain Roads in Maharashtra Housing Board, Siddartha Nagar, Goregaon (West) ...	13,36,774
(24)	Construction of S. W. Drains in Bhadran Nagar, Malad (West) ...	98,633
(25)	Construction of proposed bridge at Ram Mandir Road, Goregaon ...	4,27,373
(26)	Construction of S. W. Drains along Daulat Nagar, Borivali ...	7,27,247
(27)	Providing S. W. Drains in Lokmanya Tilak Nagar, Goregaon ...	3,30,970
(28)	Widening of Roads in Jaiprakash Nagar, Goregaon ...	6,52,279
(29)	Widening of Chandavarkar Road, Borivali (West) ...	4,94,408
(30)	Construction of an Embankment for 60 Road with 36' wide asphalt carriage connecting Kandivali Industrial Estate with Malad Marve Road, Malad ...	6,52,320
(31)	Construction of Roads in Jawahar Nagar, Goregaon ...	2,41,000

APPENDIX No. 16

Road Branch (Eastern Suburbs)

Cases of works in progress

Serial No.	Name of the Work.	Estimated amount.
		Rs.
(1)	Construction of open S. W. Drains along Purshottam Kheraj Road at Mulund ...	3,32,961.00
(2)	Proposed widening and improving the surface of the carriageway with asphalt Maccadam of Ghatkopar Mahul Road from Salt Chowkey and Railway Level Crossing and providing foot-paths on these roads ...	13,38,887.80
(3)	Improving with asphalt Maccadam the carriageway of Chatkopar Mahul Road from Sion Trombay Road to Anik Village. ...	8,29,683.17
(4)	Improving the Carriageway with asphalt maccadam and providing asphalt seal coat for footpaths on Bombay Agra Road from Ghatkopar to Shangrilla Biscuit Factory at Ehandup ...	27,60,053.60
(5)	Proposed widening and improving the surface of carriageway with asphalt maccadam of Sion Trombay Road from the junction of E. E. Highway to the junction of Bombay Panel Road and providing the S. W. Drains and footpaths on this Road ...	68,21,468.60
(6)	Construction of open S. W. Drains along Mahatma Gandhi Road between Rajendraprasad Road and Purshottam Kheraj Road, Mulund ...	1,24,913.00
(7)	Proposed widening and improving the surface of the carriageway by semi-grouting the road leading to Siddharth Colony, Chembur ...	1,82,471.00
(8)	Proposed widening and improving the surface of the Carriageway with asphalt maccadam of Saki Vihar Road and providing foot-paths on this Road ...	24,61,814.00
(9)	Proposed Sewri-Ghatkopar Road between Panjrapole Naka and proposed 200' Road at Deonar and Storm Water Drains. ...	16,03,680.00
(10)	Proposed widening and improving the surface of the carriageway of Chembur Govandi Road S. S. III, Chembur and providing footpath in this Road ...	6,72,671.00
(11)	Improvement of private road leading to Sainath Nagar, Off: Bombay Agra Road, Chatkopar ...	61,131.38
(12)	Construction of internal Roads to Slaughter House Area, Deonar, including providing S. W. Drains and Culvert ...	36,70,183.47
(13)	Proposed culvert as the approach road to the east of Vidya Vihar Railway Station ...	42,862.00
(14)	Construction of access road to Horse Shoe Valley Municipal Housing Colony at Chatkopar ...	91,571.00
(15)	Proposed widening and improving the surface of the carriageway of Central Avenue Road S. S. III, Chembur and providing foot-path on this road ...	7,94,543.00
	Total ...	2,17,88,894.04

APPENDIX No. 17

Pumping Stations in Western and Eastern Suburbs

Serial No.	Installation	Installed Capacities M. L.	Sewage pumped during the year Million Litres	Average Sewage Pumped per day	Electric Engery Consumed	Cost
						Rs.
1	Khar Pumping Station ...	68.2	6673.32	18.28	4,21,809	32,664.15
2	Versova Pumping Station ...	109.1	15334.56	40.20	5,93,200	48,891.15
3	Ghatkopar Pumping Station ...	82.96	12459.00	34.13	6,81,540	71,054.59
4	Bunderwadi Pumping Station ...	30.68	215.46	6.30	2,22,845	18,983.45
5	Chimbai Pumping Station ...	6.82	147.00	1.80	18,430	2,716.33
6	Kurla Pumping Station ...	38.64	2586.69	7.09	2,12,887	18,617.02
7	Vikhroli Pumping Station ...	6.82	15.95	0.20	4,856	1,042.44
8	Jaybharat Pumping Station ...	6.82	268.00	3.32	64,317	5,103.87
	Total ...	350.04	39635.98	111.32	22,19,884	1,99,078.00

APPENDIX No. 18

Suburbs

Important Set-back added to the Roads during the year 1967-68.

Serial Mo.	Name of the Roads.	Total area in Sq. Yds.
H Ward		
1	Station Road, Santacruz (West)	3037
2	Vakola Village Road, Santacruz (East)	2269
3	Boran Road, Bandra (West)	191
K Ward		
1	Jai Prakash Road, Andheri (West)	977
2	Kurla Andheri Road (East)	345
3	Cama Road, Andheri (West)	500
4	Sahar Road, Andheri (East)	1067
5	Teli-gully, Andheri (East)	112
6	Tejpal Road, Vile-parle (East)	1555
7	Mahatma Gandhi Road, Vile Parle (East)	1666

APPENDIX No. 19

Statement showing the works other than the work under Sewerage Scheme which are either completed or those in progress (under Loan Works) during the year 1967-68.

Serial Mo.	Name of the work	Estimated cost
H Ward		
		Rs.
1	Adding Set back and widening of St. Alexious Road, Pandra, J. No. 1441/67-68	3,000
2	Construction of 2000' road on the east side of Main Pipe Line, Jawahar Nagar, Khar (East) J. No. 473/67-68	32,500
3	do. between Dadabhai Road and Tagore Road known as S. T. Road, Santacruz (West), J. No. 474/67-68	26,000
4	do. along pipe Line, Western Jawahar Nagar, Khar (East), J. No. 475/67-68	21,000
5	Construction of road at Dr. Ambedkar Road and 20th Road, Dr. Ambedkar Co-operative Housing Society, J. No. 476/67-68	7,800
K Ward		
1	Adding set-back at Dadabhai Road, Andheri	34,154
2	Adding set-back at Mongibai Road, Vileparle	28,034
3	Adding set-back at Juhu Road, Juhu	25,983
4	Adding set-back at Subhash Road, Vile-Parle, Beat No. 1	42,016
5	Adding set-back at Subhash Road, Vile-Parle, Beat No. 2	42,016

APPENDIX No. 20

Suburbs

Name of the roads in which action for improvement was taken under Section 305 of B. M. C. Act during the year 1967-68.

H, K, L, M, & N Wards

Nil.

APPENDIX No. 21

Suburbs

Estimates prepared for the improvement of private roads which are in public use for more than 10 years.

Serial No.	Name of the Roads	Cost
Nil	Nil	Nil

APPENDIX No. 22

Suburbs

Statement of private roads which are in public use for more than 10 years.

(1) P. P. Dias compound Road leading from Hindu Society Road, Jogeshwari.

APPENDIX No. 23

Suburbs

Statement showing the works carried out under Village Amenities Funds during the year 1967-68.

Serial No.	Name of the work.	Cost
	H Ward	Rs.
	Nil.	Nil.
	K Ward	
1	Raising the existing lanes in Andheri, Gaithan	1,500.00
2	Improvement of Road in Baman Wada Village Vileparle	9,000.00
3	Constructing the road in extension of Gundavli Village Road No. 1, Andheri	1,000.00
4	Improving the internal roads in Versova Village	5,000.00
5	Improving the surface of Khoja Gulley	8,000.00
	L Ward	
1	Construction of passage in Jarymary by Shramdan	10,311.00
2	Construction of passage in Jarymary by Shramdan leading to Municipal School and Chawls	13,459.00

APPENDIX No. 24

Suburbs

Public sanitary conveniences during the year 1967-68.

H Ward

Works completed :—

- (1) Construction of P. S. C. at Kolevery Village—2 Seated Pillow Box Types
- (2) 2 seated Pillow Box Type P.S.C. at post and Telegraph Quarters, Santacruz
- (3) 8 seated P. S. C. at Saibaba Takadi at Jawahar Nagar, Khar.
- (4) P. S. C. at Khotwadi, Opp. Jayanand Khira Co.
- (5) P. S. C. at Chunabhatti, Santacruz (West).
- (6) 6 seated P. S. C. at the junction of Express Highway and P. J. Nehru Road Santacruz (East)
- (7) P. S. C. at Dr. Ambedkar Road, Mahar Colony
- (8) 6 seated P. S. C. at Cemetery Road, Bandra
- (9) 6 seated P. S. C. at Express Highway Match Factory Compound, Kherwadi

K Ward

- (1) Construction of 8 seated Acq. Privy blocks at Mogra Pada, Andheri
- (2) do. do. at Baman Wada Vileparle
- (3) Additional 6 seated W.C. blocks at Juhu Lane, Andheri.
- (4) Construction of new P. S. C. blocks at Kaju Wadi off Sahar Road, Andheri

L Ward

- (1) Construction of 2 seated W. C. blocks at the Jn. of Hill Road and Sion Trombay Road, Chunabhatti, Kurla.

H Ward

Nil

K Ward

- (1) Construction of 8 seated P. S. C. at Kolwandri, Andheri
- (2) Additional 8 seated P. S. C. 4 blocks at Kaju Wadi Off Sahar Road, Andheri.

L Ward

Nil

APPENDIX No. 25

Statement showing the number of tenements constructed during the year 1967-68.

(Suburbs and Extended Suburbs)

Ward	No. of Tenements.					Total
	One room	Two rooms	Three rooms	Large tenements usually known as flats		
H	...	102	606	474	1,182	
K	225	447	736	432	1,839	
L	185	160	20	...	365	
M	148	136	16	11	311	
N	276	145	106	21	548	
T	279	197	55	11	542	
P	107	210	130	42	489	
R	262	402	116	91	871	

APPENDIX No. 26

Statement showing the roads along which regular lines have been (I) prescribed under Section 297 (I) (a) (ii) revised under Section 297 (I) (b) and (III) Proposed under section 291 (a)

Suburbs

I—Regular lines prescribed under Section 297—(I) (a)

Serial No.	Name of Road	Plan No.	Ward	Proposed width.
1	Hormasji Kursetji Bhabha Road	... E.E.T. & C. (S) 3 of 6-10-67	H	
2	Kare Road	... E.E.T. & C. (S) 4 of 6-10-67	H	60'
3	Church Avenue Santacruz	... E.E.T. & C. (S) 9 of 28-11-67	H	90'
4	Chembur Gaon Road	... S.F.(S) Z1/24/67-68	M	40'
5	Deonar Village Road	... S.E.(S) Z1/4/67-68	M	60'
6	Govandi Station Road	... S.E.(S) Z1/1/67-68	M	60'
7	Koliwada Borla Road	... S.E.(S) Z1/321/60-61	M	120'
8	Corridor Road	... S.E.(S) Z1/18/67-68	M	90'
9	Siddhartha Colony Road	... S.E.(S) Z1/13/67-68	M	44' & 30'
10	Agarwadi Station Road	... S.E.(S) Z1/32/67-68	M	60'
11	Hall Road & Halpada Road	... S.E.(S) Z1/23/67-68	L	60' & 30'
12	Sonapur Lane	... S.E.(S) Z1/23/67-68	L	44'
13	Pipe Road	... S.E.(S) Z1/33/67-68	L	44'
14	Tank Road	... S.E.(S) Z1/15/67-68	T	44'
15	Rejendra Prasad Road Mulund	... E.E.T. & C. (S) 5 of 28-11-67	T	60'
16	Raghnath Mhatre Road	... E.E.T. & C. (S) 6 of 28-11-67	R	44'
17	Hemu Kalani Road No. 4 Kandivali	... E.E.T. & C. (S) 7 of 28-11-67	R	44'
18	Jai Prakash Nagar Road No. 2 (Goregaon East)	... E.E.T. & C. (S) 8 of 28-11-67	P	44'
19	Umed Ashram Road Borivali	... E.E.T. & C. (S) 11 of 28-11-67	R	44'
20	Ramkunwar Road	... E.E.T. & C. (S) 13 of 18-1-68	R	44' & 60'
21	Goregaon Station Road	... E.E.T. & C. (S) 16 of 3-2-68	P	60'
22	Sardar Vallabhbhai Patel Road	... E.E.T. & C. (S) 18 of 2-3-68	R	60'
23	Mahatma Phule Road	... E.E.T. & C. (S) 19 of 2-3-68	T	44'
24	Kandarpada Road (Borivali)	... E.E.T. & C. (S) 20 of 18-3-68	R	60'
25	Mathurdas Road	... DRW/NI/ of 12-5-67	R	60'
26	Shantilal Modi Road	...	R	44'
27	Ram Gully	... DRW/238 of 26-10-67	R	30'
28	Modi Market Road	... DRW/217 of 26-10-67	R	44'
29	Bajaj Cross Road	...	R	44'
30	Borivali Factory Lane	... DRW/276/614/67	R	44'
31	Shimpoli Road	... DRW/232/ of 20-9-67	R	44'
32	Ashram Road	... E.E.T. & C. (S) 11 of 28-11-67	R	44'
33	Mandapeshwar Road	... DRW/228 of 15-5-67	R	90' & 60'
34	Mahatma Gandhi Road	... DRW/215	R	60'
35	1st Carter Road	...	R	44'
36	Rokadia Road	...	R	44'
37	Eksar Road	... DRW/227 of 12-5-67	R	66-44' & 30'
38	Lokmany Tilak Road (Dahisar)	...	R	44'
39	Tavde Road	...	R	60'
40	Bharucha Road	... DRW/1 of 14-3-67	R	60'
41	Kashinath Mhatre Road	...	R	44'
42	Ranapur Road	...	R	60'
43	Baba Parduman Singh Road	... S.E.(S) Z1/47/67-68	T	60'
44	Dumping Road	... S.E.(S) Z1/16/67-68	T	60'
45	Jungal Mangal Road	... S.E.(S) Z1/45/62-63	T	90'
46	Bhandup Village Road	... S.E.(S) Z1/8/67-68	T	60'

SUBURBS

Regular lines revised Section 297(1) (b).

Serial No.	Name of Road	Plan No.	Ward	Proposed width
1	Hill Road	E.E.T. & C. (Sub.) 1 of 28-8-67	H	90'
2	Vakola Village Road	E.E.T. & C. (Sub.) 12 of 18-1-68	H	44' & 66'
3	Kalina Kurla Road	E.E.T. & C. (Sub.) 14 of 18-1-68	H	60'
4	Station Road Bandra	E.E.T. & C. (Sub.) 15 of 18-1-68	H	90'
5	Vithalbhai Patel Road	E.E.T. & C. (Sub.) 21 of 18-3-68	H	90'
	Vithalbhai Patel Road	E.E.T. & C. (Sub.) 21A of 18-3-68	H	90'
6	Dr. Ambedkar Road	E.E.T. & C. (Sub.) 22 of 18-3-68	H	60'
7	Swami Vivekanand Road	...	H	90'
8	Turner Road (Part I)	...	H	90'
9	Turner Road (Part II)	...	H	90'
10	Mount Mary Road	...	H	60'
11	Police Station Road (Vile-Parle)	...	K	60'
12	Tilak Road	...	H	60'
13	Jaiprakash Road Andheri	...	K	90'
14	Hanuman Road	...	K	60'

EXTENDED SUBURBS

15	Lokmany Tilak Road	E.E.T. & C. (Sub.) 17 of 3-2-68	R	90'
16	Furshottam Kheraj Road	...	T	60'
17	Rokhadia Lane	...	R	80'
18	Kiroli Road	...	N	40'
19	Malad Marve Road	...	P	90'

SUBURBS

Regular lines proposed Section 291. (a).

Serial No.	Name of Road	Plan No.	Ward	Proposed width
1	Vakola Village Road (Extension)	E.E.T. & C. (Sub.) 2 of 6-10-67	H	60'

EXTENDED SUBURBS.

—NIL—

APPENDIX No. 27

Particulars of vehicles in Suburbs and Extended Suburbs.

Serial No.	Type of vehicle	No. of vehicle
1	Cesspool Lorries	77
2	Pick Up	16
3	Jeep	30
4	Refuse Lorries	19
5	N. S. Trailers	10
6	Refuse Trailers	2
7	Dog Van	2
8	Incroachment Van	2
9	Cash Van	5
10	Lorries (Eng. Department and A.E. Mech.)	6
11	I. C. s Van	6
12	I. C. s Jeep	3
13	Chocolate Bus	2
14	Propaganda Van	1
15	Distress Warrant Van	1
16	Tractors	11
17	Truck	20
18	Bus for passenger	3
19	Ford Car	1
Grand Total		217

Note: Meat Van, Ambulance and Mobile Dispensary Van plying in Suburbs and Extended Suburbs are directly controlled by City office and hence are not included in the above list.

APPENDIX No. 28. Extended Suburbs.

Statement showing the water bound roads asphalted during the year 1967-68.
in P. & R. Ward.

Serial No.	Name of the Roads	Length in Ft.	Cost Rs.
MALAD.			
1	Bhatti Koli Wada Road	800	13,902
2	Marve Village Road	600	9,282
3	Kurar Village Road	1,700	39,758
4	Sainath Market Road	250	...
5	Govind Nagar Road	200	2,785
6	Phadran Nagar Road	2,200	...
7	Daruwala Compound Road	600	13,205
8	Liberty Garden Cross Road	1,000	33,567
GOREGAON.			
1	Shastri Nagar Road	300	6,221
2	Pahadi School Road	500	14,086
3	Cogatrwadi Cross Road to Pande Chawl	550	...
4	Jawahar Nagar Road, No. 6 and 7	921	26,162
5	Jawahar Nagar Road, No. 8	528	19,166
6	Shreyas Colony Road	500	...
KANDIVLI.			
1	Shantilal Mody Cross Road	150	3,679
2	Approach to Station Road	100	6,256
BORIVLI (EAST) (WEST).			
1	Road in M.H.B. Colony from School	500	8,051
2	Construction of Road Nos. 1 to 8, I.C. Colony, Borivli	3,420	72,570
DAHISAR.			
1	Jaywant Sawant Road	1,700	34,543
2	Hemanand Phandarkar Road	300	6,339
3	Keshavrao Vishwasrao Road	200	4,725
4	Shyam Narayan Dube Road	960	17,145
5	Waman Kumbekar Road	405	6,704
6	Road parallel to Dahisar River	600	10,185
7	Cangaram Road	180	2,430
8	Ramchandra Fane Road	180	2,407
9	Covind Mali Road	85	891

APPENDIX No. 29. Extended Suburbs.

Important Set-back added to the roads during the year 1967-68 in P & R Wards.

Serial No.	Name of the Roads	Total Area in Sq. Yds.
GOREGAON		
1	Jawahar Nagar Road No. 1	11,000 Sq. Ft.
2	Jayprakash Nagar Road (from Station to Maternity Home and Maternity Home to Station Road).	6,500 do.
MALAD		
NIL.		
KANDIVLI.		
1	Swami Vevekanand Road, Narsing Lane to Goraswadi	7,800 Sq. Yds.
2	Akurli Road	9,600 do.
3	Shantilal Mody Road	590 do.
4	Mody Market Road	1,733 do.
5	Shajee Cross Road	1,173 do.
6	Sam Culley	800 do.
7	Mathuradas Road	6,090 do.

Serial No.	Name of the Roads	Total Area in Sq. Yds.
BORIVLI.		
1	Poked's Lane	2,640 Sq. Yds.
2	Jambli Culley	2,346 do.
3	Factory Lane	3,800 do.
4	Mahatma Gandhi Road	7,206 do.
5	S. V. Patel Road	19,466 do.
6	Carter Road No. 1	2,560 do.
7	Simpoli Road	7,466 do.
8	Umed Ashram	1,500 do.
DAHISAR.		
1	Papoo Pagwe Road	6,999 do.
2	Lokmanya Tilak Road	1,466 do.
3	Yeshwant Tawde Road	4,200 do.
4	Bharucha Road	3,200 do.

APPENDIX No. 30. Extended Suburbs.

Statement showing the works other than the work under sewerage scheme which are either completed or in progress under Loan Works Programme during the year 1967-68 in P and R Ward.

Serial No.	Name of the work	Estimated Cost
	P Ward.	NIL.
	R Ward.	NIL.

APPENDIX No. 31. Extended Suburbs.

Statement showing the names of private roads which are in public use uninterruptedly for more than 10 years and in respect of which action for their improvement was taken under Section 305 of the B. M. C. Act during the year 1967-68.

P Ward

Serial No.	Name of the Roads
	P Ward.
	R Ward.

APPENDIX No. 32. Extended Suburbs.

Estimates prepared for improvement of private Roads which are in public use for more than 10 years.

Serial No.	Name of the Road	Estimated Cost.
		Rs.
1	Construction of private road in Pandurang Wadi Goregaon (Pandurang Wadi Main Road) with drainage arrangement	1,22,995
2	Roads in Lourds Colony, Malad (West)	21,692
3	Daruwalla Cross Road, Malad (West)	7,804
4	Road Cpp. Tipco Co. leading to school of Quarry Road, Malad (East)	10,616
5	Roads starting from Station Road and passing by the side of Sainath Tank, Malad (West)	10,659
6	Cross road on the West Side of the Liberty Garden, Main Road No. 2, Malad (West)	12,815
7	Cross Road of Poddar Road leading to Gurdwar, Malad (East)	9,798
8	Cross Road of Gogatewadi Road leading to Landey Chawl, Goregaon (East)	11,869
9	Gogatewadi Cross Road, Cpp. Public Well, Goregaon	3,918
10	Walbhat Cross Road from Walbhat Road to Dalvi Compound	11,960
R Ward (Kandivli).		
1	Dahanukar Wadi Cross Road, Kandivli (West)	70,212
2	Ashok Nagar Cross Road, Kandivli (East)	52,267
Borivli.		
1	Road joining Carter Road No. 3 with Raidongri near Public Sanitary upto Hill, Borivli (East).	26,547
2	Road leading to I.C. Colony, Annexe, Borivli (West)	16,684
3	Simpoli Road to Umedashram, Borivli (West)	11,684
4	Road leading to Falkar House, Cff Naya Bungalow, Borivli (West)	9,428
5	Road joining M. H. B. Colony with Dattapada Road, near Dattapada Road, Municipal School, Borivli.	40,923
Dahisar.		
1	Road leading to Pereira Wadi of Sawant Road, Dahisar (West)	8,570

APPENDIX No. 33. Extended Suburbs.

Statement showing the private roads taken over by the Corporation.

Serial No.	Name of the Road
1	Roads in Lourds Colony, Malad (West).
2	Daruwala Cross Road, Malad (West).
3	Roads Opposite Tipco Company, leading to School off Quarry Road, Malad.
4	Road starting from Station Road and passing by the side of Sainath Tank, Malad (West).
5	Cross Road on the west side of Liberty Garden Road No. 2, Malad (West).
6	Cross Road of Poddar Road leading to Gurdwar, Malad (East).
7	Cross Road of Cogat wadi Road leading to Fandey's Chawl, Goregaon (East).
8	Cogat wadi Cross Road Cpp. Public Well, Goregaon.
9	Walbhat Cross Road from Walbhat Road to East of Dalvi Compound.
R Ward. (Kandivli.)	
1	Construction of Dattmendir Cross Road, Kandivli (West).
2	Construction of Mahatma Gandhi Cross Road, Kandivli (West).
3	Construction of Extension of Main Ashok Nagar Road, Kandivli (East).
Borivli.	
1	Construction of Road joining Kasturba Road to Mahatma Gandhi Road, Borivli (East).
2	Construction of Cross Road Off Dattapada Road leading towards North, Borivli (East).
3	Construction Road joining Carter Road No. 3 with Kaidongri, near F.S.C. Borivli (East).
4	Construction of Road from Umedashram by-lane to Shimpoli Road.

APPENDIX No. 34. Extended Suburbs.

Statement showing the works carried out under Revenue Budget during the year 1967-68 in P & R Wards

Serial No.	Name of the Roads	Length in Ft.	Cost
			Rs.
MALAD			
1	Underai Road, Malad (West)	1,575	995.59
2	Aram Estate, Chincholi, Malad (East)	200	290.12
3	Marye Village Road, Malad (West)	700	3,982.05
GOREGAON			
4	Sidharth Nagar Road, No. 15	800	25,532.26
5	Jawahar Nagar Road, No. 5	520	10,290.34
6	Road between Maternity Home and I.B. Patel School	225	7,454.16
7	Road in front of Mitha Nagar School	200	5,376.73
8	Roads starting from Aarey Road and leading to Pahadi School	500	10,201.33
9	Lokmanya Tilak Road, No. 1, 2 and 3	...	8,734.02
10	Walbhat Road, Goregaon	1,210	23,557.99
KANDIVLI.			
1	Construction of Approach Road to New Railway Station	...	62,561.00
2	Construction of Shantilal Mody Cross Road, Kandivli (West)	...	3,679.00
BORIVLI.			
1	Construction of Daulatnagar Road, No. 8, Extension upto River, Borivli.	...	4,526.00
2	Construction of Road leading to School in M.H.B. Colony, (East).	...	2,785.00
3	Construction of road leading to Shrikrishna Nagar from Mahatma Gandhi Road, Borivli (East)	...	6,105.00
4	Construction of Road from School in Rajendra Nagar, M.H.B. Colony, Borivli.	...	8,051.00
5	Circular Road to Municipal Stores at Borivli Market	...	16,665.00
6	Construction of Road, No. 1 to 8, I.C. Colony, Borivli (West)...	...	72,570.00

APPENDIX No. 35. Extended Suburbs.

Statement showing the works carried out under Village Amenities during the year 1967-68.

Serial No.	Name of the Work	Cost Rs.
P Ward.		
1	Construction of road leading to Kurar Village from Express Highway over Shantaram Talao, Malad (East).	7,014.68
2	Construction of New Road, Bhatti Kol Wada Village, Madh, Malad	14,439.37
3	Improving and surface dressing work at Makrani Pada Malad (East)	3,710.61
4	Widening and Improving of road surface of Harumkhan Road, Malad Gaothan, Malad (West).	4,645.10
5	Widening and improving of road Himanshurai Road, Malad Gaothan, Malad (West)	6,342.79
6	Improving and widening road surface of Jivanji Pestanji Road, Malad (West)	2,173.15
7	Construction of New Road joining two existing Gaothan Roads of Pannalal Ghosh Road, Malad	3,715.00
8	Approach Road to Ranjan Pada at Malad Gaothan, Malad	10,665.00
R Ward.		
1	Construction of Ramchandra Pawaskar Cross Road, No. 2, Dahisar Gaothan	878.00
2	Construction of Ramchandra Pawaskar Cross Road, No. 1, Dahisar	762.00
3	Construction of Ramchandra Pawaskar Cross Road, No. 3, Dahisar	1,044.00
4	Construction of P. M. Gavade Cross Road, leading to Jakir Villa, Dahisar Gaothan	735.00
5	Construction of Gangaram Parab Road, Dahisar	2,438.00
6	Construction of Ramchandra Rane Road, Dahisar (West)	2,407.00
7	Construction of Shyam Nagar Road, Dahisar (West)	17,145.00
8	Construction of Govind Mali Road, Dahisar Gaothan	891.00

APPENDIX No. 36. Extended Suburbs.

Public Sanitary Conveniences during the year 1967-68.

Serial No.	Name of the work	Estimated cost Rs.
P Ward.		
1	P. S. C. Block at Raipada Malad (8-Seated)	24,924.00
2	Construction of (8 Seated) Acqua privy block at Squatters Colony, Chincholi, Malad	21,539.00
R Ward.		
NIL.		

APPENDIX No. 37

Measures to reduce flooding for reducing the recurrence of flooding the following works were executed during the year.

Serial No.	Name of Works.	No.	Cost
			Rs.
1	Channel excavation from Dhobi Chat to Express Highway Culvert	9	1,89,994
2	Desilting channel on either side of Railway Culvert No. 10/I M.	...	24,423
3	Desilting channel from Railway Culvert No. 9/5 M to C/s. Nallah of C. S. T. Road (East), Kurla.	...	21,680
4	Excavating road side kutcha drains in 'L' Ward	...	24,766
5	Desilting channel from Culvert I and II to running channel near Brick Bhatta, Mohili Village.	...	10,097
6	Desilting channel from Culvert No. III from Mohili Village to Safed pool	...	23,517
7	Desilting channel from Cross Nallah to C.S.T. Road (East)	...	7,045
8	Desilting nallah from Culvert of C.S.T. Road (East) to culvert at Express Highway and further to Tansa Main Pipe Line.	...	69,000
9	Desilting nallah from safed pool culvert to Mithi River	...	8,000

(II) Nallas in 'M' Ward were cleaned by Messrs. Union Construction Co., and departmentally.

P Ward.

1	Cutting 3 bunds at Mitha Nagar to avoid flooding Goregaon (West)	...	9,781
2	Excavating Kutcha gutters for the cross roads in Squatters' Colony, Malad (East)	...	2,995
3	Excavating Kutcha gutters on Jawahar Nagar, Road, No. 1, Goregaon (West)	...	3,320
4	Removing silt and deepening gutters of Jawahar Nagar Road, No. 3, Goregaon (West).	...	1,583
5	Excavating kutcha guttes for Aarey Road West Side, Goregaon (West)	...	2,365
6	Removing silt and deepening the gutters of Jawahar Nagar Road No. 12, Goregaon (West).	...	2,288
7	Widening and deepening of kutcha gutters of Jawahar Nagar, Road No. 11, Goregaon (West).	...	1,276
8	Excavating kutcha gutters and widening deepening gutters on Goregaon (East), Aarey Road.	...	1,787
9	Removing silt and excavating kutcha gutters on Gogate Wadi, Road Goregaon (East).	...	755
10	Widening and deepening kutcha gutters behind Chawl Supdt.'s office at C. Chawl and at also Railway Boundary, Malad (East)	...	1,532
11	Excavating kutcha gutters on east side of main road in Squatters' Colony, Malad (East).	...	3,527
12	Excavating kutcha gutter in two properties at Shivaji Nagar, Malad (East)	...	789
13	Removing silt and deepening nalla adjoining S. V. Road at Nadiadwala Colony, Malad (West).	...	6,987
14	Removing silt from the Sub-way Nallah, Malad	...	4,363
15	Excavating kutcha gutters and providing pitching on the sides of Pannalal Chosh Road extension Malad (West).	...	3,679
16	Providing side pitching and bed concrete for the natural water course at Turb-pakhadi Road, Malad (West).	...	3,178

R Ward.

NIL.

ESTATES & LAND MANAGEMENT DEPARTMENT

I—CHANGES IN LAYOUT.

There were no changes in the Lay-outs of the Ex-Trust Estates.

II—REVIEW OF THE EX-TRUST AND MUNICIPAL SECTION.

A—Ex Trust Section.

There were no changes in schedules X, Y and Z lands. The changes effected in the other Ex-Trust Estates are shown in Appendix I.

The undeveloped land at present with the Corporation is approximately 494 acres which covers the land at Dharavi Scheme 56.

B—Municipal Section.

Four plots in Municipal Scheme have been disposed of in the year 1967-68.

The statement below indicates the progress of the disposal of the Municipal land during the previous 3 years.

	Year.				No of plots.	Area in sq. meters.	Capital value.
1964-65	13	25,097.13	Rs. 12,71,631.00
1965-66	2	16,557.05	4,200.00
1966-67

The total area available for disposal in Municipal laid out scheme as on 1st April 1968 is about 3182.30 Sq. Meters but the same is required for Municipal purposes, and therefore, area available for disposal is NIL.

III—SLUM CLEARANCE.

240 tenements were constructed at Rawli Camp during the year under Report.

IV—INDUSTRIAL ESTATES.

The construction of Industrial Estates has been taken by the Corporation for rehabilitation of the Industrial Units required to be shifted from the lands required for Municipal purposes.

No new gallas for Industrial Estates were completed during the year under report.

V—DISHOUSING AND RE-HOUSING.

New residential accommodation made available by the lessors of the Ex-Trust Estate during the year was Nil. The total number of tenements provided upto date in all the Trust Estates including those erected by the Development Department and the several mill companies exceeded the total number of tenements demolished by 44963.

VI—NEW HOUSING SCHEMES.

The following new tenements were completed during the year under report :—

- (1) 80 tenements near Jasmine Mill.
 - (2) 240 tenements at Raoli Camp.
 - (3) 40 tenements at C. S. No. 1125 Mihim.
 - (4) 20 tenements at Tulsi pipe Road.
 - (5) 600 tenements at Malwani.
- (2) New residential accommodation made available in the houses erected by lessees during the year was Nil.
- (3) Housing of Squatters : The number of squatters families residing at Mankhurd and Jogeshwari colonies. was 300 and 1,954 respectively as against 230 and 1954 in the previous year.
- The recoveries of rent in both the colonies were Rs. 34,194 and Rs. 50,524 against the demand including the arrears of Rs. 11,5789 and Rs. 4,80,042 respectively.
- (4) The recoveries of rents of the dormitory at Falton Road amounted to Rs. 38,022 during the year

VII—DISPOSAL OF LANDS.

(1) Long leases.

The number of plots let during the year was 7. The total area of the land thus disposed of admeasures 1,00,073 sq. meters valued at Rs. 30,34,525. The total number of plots disposed of upto the end of 1967-68 was 4341 with an area of 52,34,379 sq. meters and valued at Rs. 13,45,89,425 yielding an annual rent of Rs. 53,09,965. In respect of plots for which premium or commutation amounts had not been received the rate at which ground rent was commuted was 22½ years, purchase of plots let before 23rd November 1921 and 18 years' purchase thereafter upto May 1948 the ground rent for the plots was charged at 5 per cent. per annum (instead of 6 per cent. per annum charged since 1921) on the value of land and the amount of commutation was fixed at 21 times the annual ground rent (vide Corporation Resolution No. 157, dated the 6th May 1948).

Where the period of commutation expired the lessees were allowed to commute at the rate of 28 times the annual ground rent reserved (vide C.R. No. 1031 dated the 11th February 1943) but commutation now is being discouraged. Now the rate of ground rent is charged at 7 per cent. (vide C.R. No. 557 dated the 20th September 1962) from 1st July 1962, but commutation is stopped.

The progress in the disposal of Trust lands on permanent basis during the year is shown in Appendix No. 2.

The details of lease in Sion Matunga etc. are shown in Appendix 3.

The amount received by way of commutation of Ground rent and premium etc. during the year was Rs. 2,91,047.

The amount received by way of commutation of ground rent and premium since the amalgamation of the Improvement Trust with the Municipality are shown in Appendix No. 10.

A comparative statement showing the number of permanent tenancies with the demand and collection as on 31st March of the past four years is given in Appendix 4.

A percentage of 35.37 arrears could be attributed mostly to the usual tendency on the part of the new building tenants to withhold payment of ground rent to the extent to cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears can be classified as under:—

(1) Ground rents withheld by lessees to the extent of their security deposits	...	1,51,931
(2) Ground rents in respect of plots occupied by Government of Maharashtra and Defence Department.	...	6,95,929
(3) Ground rent in respect of properties vested in the Deputy Custodian of Evacuee Property...		30,357
(4) Ground rent in respect of plots against which disputes have been raised and their cases are under consideration	...	1,87,020
(5) Ground rent due from Western and Central Railways	...	76,483
(6) Ground rent due from Municipal Departments	...	4,099
	TOTAL	11,46,819

(2) SHORT LEASES.

No temporary leases were granted during the year under report.

The number of vacant land tenancies both ex-Trust and Municipal Estates was 5776 and 864 respectively at the close of the year. The demand for vacant land tenancies in ex-Trust Estates and Municipal lands for the year under report was Rs. 19,00,161 and Rs. 5,26,855 and the recovery was Rs. 13,22,430 and Rs. 3,02,790 respectively inclusive of arrears.

VIII—MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A—Trust Section.

(a) *Chawl Permanent*—The gross demand of tenements in the chawls for the year was Rs. 23,80,686 on 31st March 1968 as against Rs. 23,12,490.00.

The concessional rent includes the rents of rooms let out to the peons of the different departments in lieu of house rent allowance and rent free quarters allowed to 193 sweepers of this department.

The collection on account of rents from the permanent chawls during the year amount to Rs. 21,24,221 deducting therefrom the charges on account of outgoing amounts to Rs. 32,92,617 net loss comes to Rs. 11,68,396.

The capital expenditure incurred on the chawls including the value of the land is Rs. 246 lakhs. The Corporation have to pay interest and sinking fund charges at the rate of 3.61 per cent. per annum on the capital expenditure prior to 1919-20 and 6.35 per cent. per annum on the capital expenditure incurred in subsequent years, and 4½ per cent. in respect of those constructed after 1950. This amounts to 12.00 lacs per annum (vide Appendix 12). After adding the amount of net loss into the amount of interest and sinking fund charges the accounts for the chawls show a loss of about Rs. 23,69,406.

(b) *Semi Permanent Sheds.*—The gross demand in respect of 7,321 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 17,46,541. The net demand after excluding the concessional rent and vacancies was Rs. 16,74,375. The revenue actually collected comes to Rs. 17,12,933 which was equivalent to 63.57 per cent. of the total recoverable rent including arrears of Rs. 10,20,152 for the previous year.

General remarks in chawls and semi-permanent sheds.—The average population in these chawls during the year 1967-68 was 1,67,037 against 1,38,861 in 1966-67 and 1,17,541 in 1965-66 respectively while the corresponding figures for semi permanent sheds including the labour camp were 80,478 and 78,905 and 74,765 respectively.

Pursuant to the Standing Committee Resolution No. 80 dated the 15th April 1946, 193 scavengers out of 570 belonging to the Department were allowed rent free occupation and the remaining members were in receipt of house rent allowance.

The percentage of outgoing in respect of the chawls and semi-permanent sheds are shown in Appendix 5 on the basis of annual rental of Rs. 23,31,652 for chawls and Rs. 16,74,375 for semi-permanent sheds total outgoing being 148.06 per cent. and 99.29 per cent. respectively.

Amount transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,174.00 and Rs. 59,391.00 respectively. The difference between the standard rents worked out on 5 per cent. of the cost of land and 10 per cent. on the cost of construction of post war residential tenements the subsidised rents actually charged are to be met from the Rent Equalisation Fund.

Revenue collected from tenements constructed from slum clearance was Rs. 16,68,599 against the demand of Rs. 24,46,685 inclusive of arrears. The tenements constructed under slum clearance (City and Suburbs) are shown in Appendix No. 14.

Acquired properties.—At the commencement of the year there were 466 acquired or surrendered buildings in charge of this department containing 5,733 tenencies. At the close of the year there were 5,706 tenements in 446 buildings.

The gross demand of 5,706 tenements in the acquired and re-entered buildings was Rs. 10,97,807. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 10,93,522.

The revenue actually collected amounted to Rs. 10,70,565 which was equal to 66.48 per cent. of the total recoverable amount including arrears of Rs. 5,16,890 for the previous year.

Summary of revenue.—The total collection of revenue from permanent leases, short leases, monthly tenencies and slum clearance properties can be seen from Appendix No. 6 and Appendix No. 6-A.

Requisitioned Buildings.—The management and collection of rent in respect of 15 properties having 427 tenencies requisitioned from private landlords for A. R. P. purposes were continued to be looked after by this department. The demand in respect of these tenencies for the year was Rs. 70,792 and the recovery was Rs. 68,507 which was equal to 51.09 per cent. of the total recoverable amount including arrears of Rs. 63,889.

During the year under review the demand and recovery of taxes aggregated to Rs. 78,392 and Rs. 38,940 respectively. The arrears due for collection at the close of the year stand at Rs. 7,64,794.

B—MUNICIPAL SECTION

Details of the total collection of revenue in respect of Municipal properties under Budget 'A' are shown in Appendix No. 7.

Tenements constructed under Budget 'A' for Municipal General staff are shown in Appendix No. 9.

GENERAL

(1) There was a representation from some of the schools that the terraces may be permitted to be covered so that the drills and some indoor games can be conducted in the terrace even in the sun. The Corporation by their Resolution No. 261 dated 3rd July 1967 granted a general sanction to allow the schools to cover 50% of their terraces by Asbestos sheets so that the shelters would be used for drills etc., in the sun or the rain. The sides have to be kept necessarily open.

(2) Due to the shortage of water supply there were demands from some of the factory and residential plots for the construction of tube wells in the compulsory open space of the plots. The Corporation by their Resolution No. 451 dated the 10th August 1967 granted a general sanction to permit construction of tube wells free of extra-premium in the compulsory open space of Municipal plots.

(3) Agripada (West) Estate between Nair Road and Mou'ana Azad Road was formed in old days when there were no flush W. Cs. service passages were, therefore, maintained in the rear of the plots for scavengers to carry the refuse etc. It is now noticed that these passages are rendered useless and have become a source of nuisance and abode of vagrants and undesired persons. The Corporation by their Resolution No. 916 dated the 15th January 1968 have granted a general sanction to the passages being merged in the adjoining plots subject to certain terms and conditions.

(4) Upto now sugarcane juice stalls were permitted on Municipal plots, provided the user under the Lease permitted shops and offices but not otherwise. According to Development Rules such stalls are permissible even in residential zone with a shop line. With a view to avoid discrimination the Corporation by their Resolution No. 1834 dated 16th February 1968 have permitted the construction of Sugarcane juice stalls on Municipal plots with a residential user provided the plot falls on a shop line.

K. U. MEHTA,
W. O. (Estates).

APPENDIX No. 1

Statement showing the total areas of developed and Undeveloped lands in the Ex-Trust Estates.

	Change in	As at the	As at the
		beginning of 1967-68 Square meters in thousands	end of 1967-68 square meters in thousand
DEVELOPED LAND			
Area permanently leased	...	4,946.71	5,004.66
Area of Trust Chawls Sites	...	158.86	158.86
Area Sold	...	7.53	7.53
Area reserved for a Municipal Markets	...	1.67	1.67
Area yet to be permanently leased	...	41.64	41.64
		Total	5,156.41
Rent of permanently leased area (in rupees in thousands)	...	4,536.06	4,706.03
UNDEVELOPED LAND			
Area of land	...	2,000.02	2,000.02
Cost of its acquisition (in rupees in thousands)	...	8,611.00	8,611

APPENDIX No. 2

Statement showing the disposal of Ex-Trust Lands during 1967-68.

Particulars	No. of plots	Area in sq. meters	Capital value	Annual rent
<i>Plots leased on—</i>			Rs.	Rs.
I Rental basis	6	80,419.92	...	1,88,125
II Premium basis	1	3,221.12	1,73,520	1
Total plots disposed of	7	83,674.04	1,73,520	1,88,126
Plots disposed of in 1966-67 or earlier but surrendered to the Municipality	...	...	...	...
<i>Corresponding figures for—</i>				
1966-67	4	3,909.75	4,28,902	30,023
1965-66	2	4,819.45	5,01,400	35,098
1964-65	3	1,157.20	61,550	4,310

APPENDIX No. 3

Number of plots disposed of in the different Ex-Trust Estates, during 1967-68

Estate	Plots No. of	Area in sq. meters	Capital value	Annual rent	Premium received or receivable
			Rs.	Rs.	Rs.
Sion Matunga East	1	3,398.87	1,01,625	7,113	...
Sewri Wadala South	I, IIA W	51,335.04	21,48,860	1,50,420	...
Sewri Wadala South	Road No. 2	3,224.12	1,73,520	1	1,73,520
Total No. of plots	3	57,958.03	24,24,005	1,57,534	1,73,520

APPENDIX No. 3-A.

Number of plots disposed of in different Municipal Land in the City during 1967-68.

Locality.	C. S. No.	Area in sq. meters.	Capital value.	Annual rent.
			Rs.	Rs.
Nazagaon	Tank Square.	234.12	42,000	2,940
M.I. Mill Compound, Malbar Hill division	725	4180.65	3,50,000	27,500
Collanji Hill	8(2)	250.84	45,000	3,150
Caramkhada Market Lalbaug	...	21050.41	...	1 (Nominal)
Total No. of plots	4	25716.02	4,37,000	30,591

APPENDIX No. 4

Comparative statement of demand, Collection etc. in respect of permanently leased plots.

Particulars.	1965	1966	1967	1968
(1) Number of Tenancies	3,634	3,655	3,671	3,694
(2) Opening balance of arrears in lacs of rupees ...	10.77	11.99	13.75	15.39
(3) Demand for the year in Lacs of rupees	38.29	39.63	43.08	43.44
(4) Total demand including arrears in lacs of rupees ...	49.06	51.62	56.83	58.83
(5) Amount collected in lacs of rupees	37.72	40.11	43.11	39.46
(6) Percentage of collection to the demand including arrears	76.88	77.70	75.86	67.07
(7) Percentage of collection to the demand for the year.	98.51	101.21	100.07	90.83
(8) Percentage of arrears to amount for collection ...	24.45	26.63	27.08	35.37

APPENDIX No. 5

Statement of percentages of outgoings in respect of chawls and S. P. Sheds.

Particulars	Permanent chawls		Permanent ground floor rooms & S. P. Sheds	
	1966-67	1967-68	1966-67	1967-68
Sanitary Staff	18.84	19.20	19.82	20.40
Pumpmen				
Cost of Management & Establishment ...	7.50	7.50	7.50	7.50
Municipal Rates and Taxes	24.18	40.98	35.21	37.64
Repairs and Maintenance including lighting ...	75.80	80.38	30.24	41.25
Vacancies ... ..	...	...	...	...
Total	126.32	148.06	92.77	106.79

APPENDIX No. 6.

Summary of Revenue of 'B' Budget properties for 1967-68.

Particulars	Collection of Revenue		
	Permanent	Temporary	Total
	Rs.	Rs.	Rs.
Demand for the year	43,44,031	61,56,604	1,05,00,635
Arrears	15,39,097	67,72,568	83,11,665
Total	58,83,128	1,29,29,172	1,88,12,300
Amount collected	39,46,055	62,41,115	1,01,87,170
Variations in demand for the previous year carried during the year	+ 1,72,187 - 28,083	+ 3,61,679 - 2,30,933	+ 5,33,866 - 2,59,016
Arrears as on 1st April 1968	20,81,177	68,18,803	88,99,980
Arrears as on 1st April 1967	15,39,097	67,72,568	82,11,665
Arrears as on 1st April 1966	13,75,138	59,88,885	73,64,023

Note.—Figures in appendix No. 6 are subject to reconciliation.

APPENDIX No. 6-A.

Summary of revenue of 'B' Budget properties under Slum Clearance for 1967-68.

Particulars.	Collection of Revenue		
	City	Suburbs	Total
Demand for the year	Rs. 12,78,312	Rs. 5,20,088	Rs. 17,98,400
Arrears	4,56,982	1,91,303	6,48,285
Total	17,35,294	7,11,391	24,46,685
Amount collected	12,37,725	4,30,874	16,68,599
Variation in demand for the previous year carried out during the year.	+ 12,725 - 31,745	+43,395 -29,311	+56,120 -61,056
Arrears as on 1st April 1968	4,78,549	2,94,601	7,73,150
Arrears as on 1st April 1967	4,56,982	1,91,303	6,48,285
Arrears as on 1st April 1966	3,93,158	2,62,187	6,55,345

Note.—Figures in Appendix No. 6A are subject to reconciliation.

APPENDIX No. 7.

Summary of Revenue of 'A' Budget Properties for 1967-68.

Particulars.	Collection of Revenue		
	Permanent	Temporary	Total
Demand for the year	Rs. 2,29,039	Rs. 26,43,536	Rs. 28,72,575
Arrears	1,05,265	17,23,335	18,28,600
Total	3,34,304	43,66,871	47,01,175
Amount collected	1,88,942	24,08,915	25,97,857
Variation in demand for the previous year carried during the year	+30,148 ...	+2,43,056 -1,71,085	+2,73,204 -1,71,085
Amount written of under ... ..	...	...	...
Arrears as on 1st April 1968	1,75,510	20,29,927	22,05,437
Arrears as on 1st April 1967	1,05,265	17,23,335	18,28,600
Arrears as on 1st April 1966	82,988	12,85,691	13,68,679

Note.—Figures in appendix No. 7 are subject to reconciliation.

APPENDIX No. 8

Statement of Permissions granted in respect of leased plots for 1967-68 :—

Description	No. of Proposals	Premium	Ground Rent
		Rs.	Rs.
Motor Garages	51	...	29,613
Additional Floors	101	...	54,282
Change of Users	17	...	1,53,746
Miscellaneous proposals such as encroachments, Basements, floors, Canopies, temporary structures, Gallery projections, Rewas projections, ota projections, lofts etc.	128	35,913	13,596
Fines ... ..	...	5,200	...
Transfer fees ... ..	...	8,650	...

APPENDIX No. 9

Statement of Tenements Constructed from Budget 'A' for Municipal General Staff —

Serial No.	Locality	Year of Construction	No. of Structures	No. of Tenements	Subsidised Rent		Standard Rent
					Maximum	Minimum	
CITY					Rs. (Subsidised rent at Rs. 12 per 100 sq. feet.)	Rs.	Rs.
1	Gilder Lane Tenements Bombay Central.	1958	4	144 (64)* (80)	54.79	38.79	93.59
					38.24	27.24	65.30
2	Elphinstone Road Tenements. Parcel.	1958	3	72	26.81	19.59	41.26
3	Surya Cinema Tenements. Naiyaum	1958	2	48	26.81	19.59	41.96
4	Chinchpokli Tenements Arthur Road.	1959	2	32	33.09	26.82	53.50
					31.01		
5	Maratha Hospital Com- pound, Byculla.	1959	4	64	34.89	26.82	53.05
					32.83		
6	Worli Tenements Dr. Annie Beasant Road.	1961	7	112	35.84	26.70	66.65
					37.64		
7	40 tenements Maratha Hospital Compound	1955	2	40	33.57	26.82	66.65
					32.94		
8	Maratha Hospital Com- pound, Byculla.	1962	2	16 8 @	35.29	26.70	71.88
					34.67		
1	Khar Tenements Hasanabad Lane.	1961	5	60	39.15	26.70	67.31
					42.24		
					69.23		70.25
							60.06
							66.89
							65.91
							71.19
							114.88
							67.31
							73.58

* Three room tenements. Rest are two room tenements.

@ Four room tenements.

APPENDIX No. 10 Capital Account. Figures in Lakhs.

Particulars	1964-65		1965-66		1966-67		1967-68	
	In the year	To end of the year	In the year	To end of the year	In the year	To end of the year	In the year	To end of the year
RECEIPT.								
Loan	...	2,103.56	100.00	2203.56	50.00	2,253.56	50.00	2,303.56
Discount or Premium	...	-15.01	...	-15.01	...	-15.01	...	-15.01
Sale Proceeds	6.81	791.53	4.16	795.69	2.85	798.54	4.06	802.60
Appropriation from General Account	-3.89	-219.78	...	-219.78	...	-219.78	...	-219.78
Special contribution from Government	...	59.00	...	59.00	...	59.00	...	59.00
Release of Debentures lodged with Govt.	...	42.60	...	42.60	...	42.60	...	42.60
Extraordinary receipts	...	25.10	...	25.10	...	25.10	...	25.10
Miscellaneous	...	...	...	...	...	...	...	...
Total	2.29	2,787.00	104.16	3,891.16	52.85	3,944.01	54.06	3,998.07
EXPENDITURE								
I.—On Govt. and Municipal Property								
Schedule 'W'	...	13.50	...	13.50	...	13.50	...	13.50
Do. 'X'	...	16.20	...	16.20	...	16.20	...	16.20
Do. 'Y'	...	4.70	...	4.70	...	4.70	...	4.70
Police Accommodation Schemes	...	91.60	...	91.60	...	91.60	...	91.60
Total	...	126.00	...	126.00	...	126.00	...	126.00
II.—On the Trust own acquired lands—								
Cost of Management and Estab.	6.10	252.44	6.62	259.06	30.92	289.98	54.67	324.65
Acquisition of land	0.38	1,045.05	0.03	1,045.08	...	1,045.08	-7.22	1,523.30
Chawls	27.40	395.73	36.16	431.89	35.33	467.27	38.12	505.39
Roads	29.09	643.91	24.42	668.33	0.38	668.71	17.08	685.79
Other works	2.25	89.26	1.50	93.76	0.22	90.98	.09	91.07
Mill companies chawls	...	7.70	...	7.70	...	7.70	...	7.70
Total	65.22	2,434.09	6.73	2,502.82	66.90	2,569.72	97.18	2,660.90
III.—Miscellaneous								
Office Buildings	...	4.50	...	4.50	...	4.50	...	4.50
Other items	...	12.30	...	12.30	...	12.30	...	12.30
Total	...	16.80	...	16.80	...	16.80	...	16.80
IV.—Disposal of Profits	...	...	...	...	...	...	...	...
V.—Debentures lodged with Govt.	...	42.60	...	42.60	...	42.60	...	42.60
VI.—Repayment of Loan	...	144.37	...	144.37	...	144.37	...	144.37
Total	65.22	2,763.86	69.73	2,832.59	66.90	2,899.49	97.18	2,976.67
Balance	-12.93	23.14	35.43	58.57	-14.05	44.52	43.12	1.40

APPENDIX No. 11

Analysis of General Account

(Figures in columns 2 to 12 shown in lakhs)

Year.	RECEIPTS						EXPENDITURE						Balance appropriated Capital account.	REMARKS.
	Rents.	Municipal contribution.	Share of tobacco duty.	Interest on investment.	Miscellaneous.	Total.	Maintenance.	Municipal rates and taxes.	Interest and sinking fund.	Miscellaneous.	Total.			
(1)	(2)	(3)	(3A)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
1898-1899	1.9	...	...	...	...	1.9	1.1	...	...	...	0.1	1.8	
1899-1900	0.7	...	...	0.8	...	1.5	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	Rent received in 1898-99 was mainly rent under Schedule 'Z'.	
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	...	3.1	...	9.9	0.4	0.2	4.1	...	4.7	5.2		
1903-1904	2.6	3.5	...	2.3	...	8.4	0.4	0.4	5.7	0.1	6.6	1.8		
1904-1905	5.8	2.0	...	2.7	...	10.5	0.7	0.9	8.1	0.1	9.8	0.7		
1905-1906	9.7	2.5	...	1.9	...	14.1	1.4	1.3	10.1	0.1	12.9	1.2		
1906-1907	8.5	3.0	...	2.1	0.1	13.7	1.9	1.1	11.2	0.1	14.3	-0.6		
1907-1908	8.1	3.6	...	2.4	0.1	14.2	2.2	1.0	12.1	0.1	15.4	-1.2		
1908-1909	9.4	4.5	...	1.2	0.1	15.2	2.5	0.8	13.0	0.1	16.4	-1.2		
1909-1910	11.4	7.8	...	1.5	0.2	20.9	*3.3	1.0	16.0	0.1	20.4	0.5	*Includes interest paid to Government and the Municipality under Section 68 (I) of the old Act as shown below :-	
1910-1911	14.4	8.9	...	1.5	0.1	24.9	*3.1	1.0	19.1	0.1	23.3	1.6		
1911-1912	16.6	8.6	...	2.2	0.1	27.5	*3.0	1.3	20.2	0.1	24.6	2.9		
1912-1913	18.0	9.2	...	2.0	...	29.2	*2.7	1.0	20.5	0.1	24.3	4.9		
1913-1914	20.9	9.3	...	2.5	...	32.7	*2.4	1.2	21.4	0.3	25.3	7.4		
1914-1915	23.0	9.8	...	1.5	0.1	34.4	2.7	1.5	22.4	0.3	26.9	7.5		
1915-1916	24.8	10.2	...	1.5	...	36.5	2.9	1.6	23.8	0.3	28.6	7.9		
1916-1917	27.2	11.0	...	2.5	0.1	40.8	3.1	1.7	25.8	0.2	30.8	10.0		
1917-1918	29.8	11.0	...	2.9	0.1	43.8	3.6	1.7	25.6	0.2	31.1	12.7		
1918-1919	33.2	11.5	...	2.0	0.1	46.8	3.6	2.0	25.2	0.2	31.0	15.8		
1919-1920	35.7	15.2	...	1.7	0.2	52.8	3.7	2.2	24.1	0.6	30.6	22.2		
1920-1921	37.5	15.7	...	5.4	0.5	59.1	4.0	2.4	29.4	1.0	36.8	22.3		
1921-1922	43.4	15.8	...	5.4	0.4	65.0	6.4	2.9	52.6	0.6	62.5	2.5		
1922-1923	45.0	17.9	...	4.9	0.1	67.9	7.9	3.5	64.1	-0.5	75.0	-7.1		
1923-1924	44.2	19.1	...	7.1	0.2	71.1	9.6	3.2	74.2	0.6	87.6	-16.5		
1924-1925	50.5	20.2	...	6.4	0.4	77.5	9.0	4.4	80.6	0.6	94.6	-17.1		
1925-1926	48.7	22.3	...	6.8	0.2	78.0	8.6	3.4	93.7	0.2	105.9	-27.9		
1926-1927	49.5	22.4	...	7.2	3.2	82.3	9.6	3.6	90.5	-0.3	103.4	-21.1		
1927-1928	48.5	23.1	...	6.3	2.3	80.2	11.3	3.8	90.2	...	105.3	-25.1		
1928-1929	47.6	23.0	...	3.8	1.0	75.4	10.6	2.7	90.4	...	103.7	-28.3		
1929-1930	51.0	22.9	...	2.7	0.1	76.7	10.2	2.9	89.3	...	102.4	-25.7		
1930-1931	50.2	23.1	...	2.7	0.2	76.2	10.2	3.4	92.1	...	105.7	-29.5		

Year.	Government. Rs.	Municipality. Rs.	Total. Rs.
1909-10	65,350	41,241	1,06,591
1910-11	46,440	37,841	84,281
1911-12	61,858	37,276	99,134
1912-13	68,194	37,431	1,05,625
1913-14	54,644	27,668	82,312
Total	2,96,486	1,81,457	4,77,943

* Includes an amount of Rs. 1 23 lakhs still to be adjusted.

1931-1932	49.3	23.5	...	1.4	0.1	74.3	10.5	3.3	4.3	...	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	...	96.4	9.5	3.8	102.3	20.8	136.4	-40.0
1936-1937	51.2	32.2	11.8	4.9	0.2	100.3	10.3	3.6	85.2	...	99.1	+1.2
1937-1938	50.6	34.4	12.4	4.6	0.6	102.6	10.5	3.3	83.1	...	96.9	+5.7
1938-1939	52.0	34.3	10.4	4.2	0.4	101.3	15.0	3.2	80.9	...	99.1	+2.2
1939-1940	53.5	37.1	9.9	3.4	0.4	104.3	16.1	3.4	80.2	...	99.7	+4.6
1940-1941	52.5	35.7	5.4	3.9	0.6	98.1	18.1	3.6	80.3	...	102.0	-3.9
1941-1942	52.3	36.9	10.0	4.0	0.3	103.5	14.3	3.4	80.0	...	97.7	+5.8
1942-1943	54.2	24.7	4.1	4.0	0.3	87.3	14.4	3.2	79.6	6.3	103.5	-16.2
1943-1944	54.7	26.3	10.0	4.0	0.4	95.4	15.2	3.2	79.5	...	97.9	-2.5
1944-1945	60.0	27.3	10.0	4.4	0.3	102.0	17.3	4.1	78.1	...	99.5	+2.5
1945-1946	60.3	28.4	7.5	4.3	0.5	101.0	-20.0	4.4	77.6	...	102.0	-1.0
1946-1947	60.1	30.0	8.6	4.7	0.3	103.7	23.1	4.6	76.6	...	104.3	-0.6
1947-1948	67.9	30.0	9.2	5.5	0.3	112.9	24.2	4.4	77.1	...	105.7	+7.2
1948-1949	59.0	31.7	2.0	5.4	0.6	98.7	31.0	4.7	77.0	...	112.7	-14.0
1949-1950	60.7	32.9	10.0	5.9	0.7	110.2	29.8	4.7	76.3	...	110.8	-6
1950-1951	59.4	34.6	10.0	5.8	0.5	110.3	32.1	4.9	77.4	...	114.4	-4.1
1951-1952	60.8	36.3	10.0	5.8	0.6	113.5	28.5	5.9	76.5	...	110.9	+2.6
1952-1953	63.58	35.84	7.42	5.32	0.73	112.89	33.8	9.1	75.89	...	118.79	-5.9
1953-1954	68.13	36.99	10.0	5.25	0.66	121.03	37.49	7.5	76.15	...	121.14	-1.1
1954-1955	71.83	39.62	10.0	5.07	0.83	127.35	40.42	7.37	75.95	...	123.74	+3.61
1955-1956	68.61	39.89	6.78	3.78	0.64	119.30	45.86	2.45	75.62	...	123.93	-4.63
1956-1957	65.68	43.75	5.00	4.10	0.93	122.46	44.46	7.38	75.19	...	127.03	-4.57
1957-1958	67.24	44.53	14.56	4.39	0.26	130.98	40.14	7.71	76.12	...	123.97	+7.01
1958-1959	67.22	46.04	7.56	2.86	0.38	124.06	41.58	6.65	75.92	...	124.15	-0.9
1959-1960	69.78	47.44	7.64	1.95	0.70	127.51	41.31	7.85	75.82	...	124.98	+2.53
1960-1961	78.19	47.27	5.11	1.39	0.55	132.51	47.97	7.75	76.81	...	132.53	-0.02
1961-1962	78.45	54.67	5.13	3.21	0.68	142.14	45.62	7.86	81.36	...	134.84	+7.30
1962-1963	80.13	54.84	...	2.25	0.69	137.91	44.02	9.02	83.69	...	136.73	+1.18
1963-1964	84.20	56.36	...	3.76	0.59	144.91	57.04	18.47	87.98	...	163.49	-18.58
1964-1965	85.55	54.85	10.00	3.96	1.93	156.29	58.68	12.11	89.39	...	160.18	-3.89
1965-1966	104.96	80.14	...	1.86	1.03	187.99	79.53	14.26	87.85	...	181.64	+6.35
1966-1967	106.48	84.86	10.00	3.38	0.54	205.26	87.75	16.10	94.91	...	198.76	+6.50
1967-1968	100.31	95.95	3.47	0.11	0.63	200.25	98.74	21.04	101.14	...	220.92	-20.67
Total to the end of 1967-1968	3242.84	1894.24	283.07	240.72	29.97	5698.84	355.21	304.62	4225.29	27.33	5917.52	-297.68

Particulars of Municipal (Improvements) Chawls Cost, Net Annual Returns

Serial No.	Name of the Chawl.	Year in which the site of chawls appropriated of construction of chawls	Total area of chawls sq. Metres	Rate per sq. yd. as in the year given in column 3.	Value of the site (Cols. 4 & 5)	Constructional cost of the chawls including 1 per cent for management and establishment	Cost of work plus of the and management and establishment charges columns 6 and 7)	Interest and Sinking Fund charges on Capital outlay at 4.51 per cent. on column 8 up to 1919 and thereafter at 6.35 per cent	Gross annual rent	Annual profit or loss—i.e. 48.06 per cent of column 10-9
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			Sq. Metre	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1-4 Agripada A Chawls	1900	6091.21	8	50,995	1,85,505	2,36,500	10,903	41,056	-30,634
2	5-16 Agripada B Chawls	1903	9970.85	6	71,550	5,41,639	6,13,189	28,269	53,140	-53,805
3	31-32 } 38-40 } Agripada C Chawls 45-46 }	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599	1,05,195	-65,155
4	19-24 Chandanwadi Chawl	1904	8080.36	15	1,44,960	3,76,915	5,21,875	24,059	1,01,554	-72,865
5	25-27 } 29, 30 & 31 } Imamwada A Chawls	1905	11239.26	13.8	1,81,467	4,98,562	6,80,029	31,349	1,12,583	-86,939
6	50 Imamwada B Chawl	1905	793.49	13.8	12,811	19,368	32,179	1,483	92,830	-71,754
7	33-37 Mandvi-Kolwada Chawls	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140	1,745	-1,612
8	52 Workmen's Cottages Matang	1905	789.31	5	4,720	12,083	16,803	774	19,052	-13,832
9	17-18 Nagpada A Chawls	1903	21,48.02	7	17,983	92,358	1,00,341	4,676	18,048	-13,950
10	39 Nagpada A Chawl	1904	1755.04	7	14,693	95,776	1,14,469	5,277	9,920	-8,769
11	28 Princess Street Chawls	1907	1237.47	30	44,400	42,417	86,812	4,002	57,473	-44,966
12	42-44 } 47-49 } Superibaug Chawls	1910	6756.77	4.8	36,364	3,39,878	3,76,242	17,345	83,844	-68,240
13	52-57 Chinch Bunder Chawls	1913	7103.76	26.66(d)	2,26,560(a)	3,79,622	6,06,182	27,945	4,056	-6,284
14	86-95 Cottage Blocks (old)	1920	2324.44	10	27,800	36,069	63,869	31,911	47,960	-54,960
15	58-61 Clerk Road Chawls	1921	3495.86	15	62,715	4,39,814	5,02,529	14,106	19,253	-23,358
16	62 Pais Street Chawls	1921	2858.73	15	51,285	1,70,863	2,22,148	34,801	41,737	-54,859
17	63-66 Mominpura Chawl (Old)	1921	6488.37	15	1,16,400	4,31,655	5,48,055	18,946	20,617	-28,854
18	67-72 Three room tenements Scheme 5	1922	4689.85	6	33,654	2,64,717	2,98,371	20,153	25,088	-32,210
19	73-78 Two room tenements, Scheme 6	1922	3540.17	6	25,404	2,91,972	3,17,376	7,376	3,955	-9,276
20	79-85 Cottage Blocks (new)	1922	6528.50	6	46,848	69,312	1,16,160	2,06,594	2,29,810	-3,17,040
21	Blocks 1-19 Bellasis Road Chawls	1922	29853.19	19	6,78,376	25,75,065	32,53,441	1,56,711	1,85,589	-2,45,905
22	1-16 Masagon Chawls	1922	24315.50	10	2,90,810	21,77,079	24,67,889	24,923	35,366	-41,919
23	1 Mominpura Chawls (New)	1923	3270.10	20	78,220	3,14,276	3,92,496	87,865	1,37,533	-1,53,963
24	1-23 Love Lane Chawls	1925	11176.50	18.8	2,47,289	11,36,407	13,83,696	62,407	90,371	-1,05,839
25	1-10 Sydenham Road Chawls	1925	10698.28	16	2,04,720	7,78,071	9,82,791	19,931	88,458	-90,467
26	1-2 Palton Road Chawls	1940	2721.60	25	81,375	2,32,503	3,13,878	28,024	58,658	-56,311
27	3 Palton Road Chawls	1952	9551.36	50	92,777	3,48,544	4,41,321	29,110	36,564	-46,682
28	A-J Sewri Chawls	1955	5554.41	25	1,66,075	5,06,514	6,72,589	29,110	14,405	-14,920
29	Naigaum Chawls	1957	3362.08	40	1,60,840	5,59,481	7,20,321	32,474	59,291	-60,969
30	Sion Chawl	1958	927.27	40	44,360	1,40,842	1,85,202	86,391	1,37,238	-1,52,947
31	Wadala Chawls 112 Tenements	1959	2897.19	40	1,38,640	6,27,259	7,65,899	55,008	71,785	-89,508
32	Wadala Chawls 272	1960	10058.68	40	4,81,680	15,55,841	20,37,521	58,745	78,243	-96,348
33	Wadala Chawls 144	1961	6765.13	5	4,04,550	8,92,806	12,97,356	82,945	1,49,644	-1,54,863
34	Wadala Chawls 160	1961	6212.45	50	3,71,500	10,13,999	13,85,499			
35	Wadala Chawls 224	1961	7836.21	50	4,68,600	14,87,658	19,56,258			
Total			2,65,288		54,30,607	1,01,84,087	2,46,14,610	17,96,415	22,37,542	-73,69,406

(a) Rs. 8-0-0 for 8 larger rooms (double) rooms having partition inside
 (b) Represents 100ms B—Rooms used for Office and Stores.
 (c) This figure represents the value of Rs. 40 per sq. yd. of the site situated between the 25. road and the Railway and measuring 664 sq. yds. figure is arrived at by dividing by 8,496 yds. C—do do do. Shops.
 D—do do do. Gymnasiums.
 E—do do do. Godowns.
 F—do do do. Sweepers.
 G—do do do. Rooms.

a Calculated at 4.24 per cent.

No. 12

Number of tenements, full letting value and permissible actual population

Percentage of rat-annual return +48.06 of col. (10) of capital cost (col. 8)	Total Number of rooms.	Number of floors including ground floor.	Floor area of tenements including verandah.	Rent per room as on 31-3-1962 inclusive of increase in taxes.		Economic rent exclusive of increase in taxes.	Number of rooms living purposes.	Number of rooms list for Shops, Godowns, or Municipal purposes	Total population	Equivalent Adults.	Maximum permissible population in adults.		Population per acre in largest groups per column No. 20
				Sq. ft.	Rs. nP						Population per tenement.	Total population.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
8.19	312	3	175	7 49	8 14 0	276	1-B 5-D & 3-E	22,202	17,907	5	1,375	2,527	
4.17	658	4	110	10 40	7 10 0	926	20-E			4	3,708		
15.96	288	4	142	6 45	8 1 0	414	18-E			5	2,065		
	433	4	177	7 49	8 12 0		1-F					2,446	
9.35	674	4	125	8 95	10 6 0	633	2-D, 9-E	7,76	5,969		2,656		
	857	4	11	11 93	9-13, 10-10-5	846	2-B, 4-C & 3-D			4	3,380	1,816	
7.60	30	4	135	8 31	Rs. 9-13	30		12,338	10,664	...	...	...
	278	4	160	9 36	10-1, 10-5	222	10-E, 26-G			5	1,11	...	
17.58	15	1	176	8 31	17 5 0	...		3 796	3,386	4 1/2	67 1/2	...	
4.99	144	4	148	10 83	12 7 0	...		226	189	5	720	5.77	
9.13	144	4	160	11 24	9 10 0	144		4,142	3,421	3 1/2	504	2,939	
7.58	64	4	136	8 64	9 0 0	64				4	256	...	
5.49	481	4	176	10 8 64	14 2 0	479				4 1/2	2,153 1/2	...	
7.34	405	2	176	10 7 76	9 4 0	372	1-B	981	771			...	
6.65	14	1	275	8 36	13 6 0	...	33-G	5,323	4,317	3 1/2	130	...	
3.49	325	4	176	10 09	38 0 0	...		5,655	4,839	5	70	...	
4.58	134	4	175	28 80	13 12 0	320	1-E	364	281	5	1,600	2,005	
4.16	246	4	175	9 62	15 13 0	131	1-E, 7-E	4,111	3,306	5	655	...	
3.66	36	4	562	10 66	13 8 0	241	6-D	1,731	1,471	5	1,200	3,220	
3.32	72	3	338	12 82	Rs. 55, 60 & 65	...		3,262	2,641	...	...	...
3.80	10	3	325	22 81	Rs. 35, 33, 32	...		480	400	...	...	...
1.64	1,549	3	176	29 47	30 83	...		927	676	...	...	...
3.39	1,305	4	176	10 66	Rs. 16-5	1,513	20-C 7-D & 9-E	146	125	5	7,565	...	
3.61	234	4	176	12 83	18-6 17-14	1,263	36-C, 4-D & 7-E	22,232	17,185	5	6,350	...	
4.33	...	...	176	9 36	Rs. 15-6, 15-14	792		19,533	14,973	5	1,140	...
4.78	821	4	176	12 30	13 8 0	...	6-D, 22-E & 1-F	3,951	3,076	5	3,060	...	
4.42	391	4	176	11 24	Rs. 15-9, 15-1, 16-9, 17-1, 17-9	387	1-B, 1-C, 1-D & 1-E	10,646	7,809	5	1,025	3,588	
5.62	156	4	328	10 66	Rs. 15-7, 32, 33, 35	125	24-E	4,958	4,256	5	630	...	
4.19	86	4	180	26 74	Rs. 15-7, 16, 16-8	76	7-C	2,802	2,302	...	...	...
2.44	194	2	180	11 09	Rs. 35	194	1-E, 6 G	8,891	8,651	...	...	...
3.74	120	4	190	26 03	Rs. 35	120		309	237	...	...	...
3.72	24	4	237	27 06	Rs. 36-10	...		1,566	1,231	...	...	...
3.23	112	4	273	22 91	...	...		3,732	2,976	...	...	...
2.65	144	4	...	22 91	...	...		2,023	1,573	...	...	...
2.71	160	4	...	31 50	...	...		1,922	1,522	...	...	...
3.68	224	4	...	47 00	...	...		3,013	2,512	...	...	...
171.19	11,626	...	...	61 00	...	...		1,67,037	1,24,599	...	...	...

* 5-B, 61-C 35-D, 180-E, 4-F, 72-G

APPENDIX

Statement showing dishousing and rehousing operations on the Trust

YEAR	NUMBER OF TENEMENTS DEMOLISHED UP TO THE END OF THE YEAR				NUMBER OF TENEMENTS PROVIDED UP-TO							
					MUNICIPAL BUILDINGS.			(1) IN POLICE ACCOMMODATION SCHEMES (2) IN POORER CLASSES ACCOMMODATION SCHEMES (3) BY MILL COMPANIES AND (4) IN B. D. D CHAWLS				
	One room.	Two rooms.	Larger.	Total Col. (2) to (4)	Perma- nent chawls.	S. P. Sheds.	Total Col. (6) and (7).	One room.	Two rooms.	Larger.	Servants quarters.	Total Co. (9) to (12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1898-99	29,881	5,518	3,671	39,070	11,715	4,310	16,821	18,198	160	349	163	18,870
1962-63	65	...	...	65	35	+876	-80	...	...	...	...	...
1963-64	10	...	...	10	100	-58	-58	...	...	...	...	...
1964-65	...	...	...	...	...	+1,376	+1,411	...	...	...	...	...
						38	138					
1965-66	...	...	...	...	...	2	2	160	...	...	...	160
1966-67	...	...	...	...	368	...	368	...	...	...	...	...
1967-68	...	...	...	...	140	600	640	...	...	...	...	...
Total	29,956	5,518	3,671	39,145	12,358	6,974	19,332	18,358	160	349	163	19,030

* Demolished during the year.

No. 13

Estates since the commencement of the Trust

AT THE END OF THE YEAR					NET ADDITION (+) OR REDUCTION (-)						
IN LESSRES' BUILDINGS					One room cols. 8+9+14.	Two rooms cols. 10+15.	Larger Rooms co. 11+16	Servants' quarters cols. 12+17.	Grand Total cols. 19 to 22	In the year cols. 23-5.	To end of the year.
One room.	Two rooms	Larger.	Servants' quarters.	Total cols. 14 to 17							
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
18,156	10,129	14,392	2,221	44,898	52,095	10,289	15,516	2,384	79,809	41,439	41,439
27	111	218	...	356	-58	111	218	...	1,709	1,644	1,644
1	44	106	...	151	-	+ 1,438	...	...	...	...	...
42	70	159	...	271	+44	+ 70	159	...	273	273	273
...	...	...	...	...	160	...	...	...	160	160	160
					168	...	...	...	368	368	368
					600	140			740	740	740
18,226	10,354	14,825	2,221	45,676	55,786	10,654	15,274	2,384	84,098	44,963	44,963

APPENDIX NO. 14

Statement of tenements constructed for Slum Clearance Scheme (City & Suburbs)

Serial No.	Locality.	Year of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standard Rent
				Residential	Shops Godowns		
							Rs. P. Rs. P.
Municipal Scheme :-							
1	Palton Road Chawl No. 4	1956	1	81	27	31.13	41.88 105.85
2	Hajns Road Transit Camp.	1957	18	137	...	24.48	
3	Tank Pakhadi Transit Camp	1958	27	254	...	24.48	
4	Dharavi	1959	5	120	...	27.32	
5	Shopping Block at Haines Road...	1960	1	...	4	29.51	varying from 22.57 to 73.33
6	do. do. Milk Street...	1962	1	...	17	...	61.53
7	Shopping Block at Tulsiwadi Body-Guard line	1963	1	...	15	...	Varying from 41.57 to 48.68.
8	Shopping Blocks at Water St.	1963	1	...	10	...	Varying from 70 to 87.50.
Government Aided Schemes							
1	Haines Road	1959	7	112	...	29.11	54.08
2	Haines Road	1959	5	80	...	29.11	54.84
3	Sukhalaji Street	1960	1	76	...	30.21	
4	Sion, Scheme 6	1960	1	40	...	29.11	
5	Body Guard Lines	1960	6	96	...	29.11	54.41
6	Dharavi	1961	5	168	...	29.11	
7	Foras Road	1961	1	42	13	29.11	
8	Rawli Camp	1961	18	288	...	29.11	
9	Bane Compound Arthur Road	1961	6	208	...	29.11	
10	Water Street, Byculla	1961	7	112	...	29.11	
		1962	2	32	...	31.10	
11	Haines Road	1961	2	80	..	29.11	
12	Sion Scheme 6	1962	2	80	...	29.11	
13	Body Guard Lines	1962	8	128	..	29.11	52.00
14	Bapty Road	1963	1	40	...	31.10	
15	Haines Road	1963	6	96	...	31.10	
16	Rawli Camp	1964	14	224	...	31.10	70.00 135.40
17	Sion Village	1964	1	24	...	31.10	69.36
18	Kamathipura	1964	1	22	...	31.10	Varyngi from 60.58 to 64.30 12 Varyng from 47.63 to 104.60
19	Do.	1964	1	26	...	31.10	Varyng from 75.30 to 85.50 11 Varyng from 35.50 to 156.00
20	Kamathipura MI Area	1965	1	41	11	...	...
21	60 t. at Falkland Road 8th X Lane	1966	1	60	...	...	...
22	60 t. at Hains Road	1966	1	60	...	...	...
23	Raoli Camp	1967	6	240	...	...	...
Suburbs.							
23	Vikroli	1961	16	396	...	29.11	52
24	Do.	1963	12	348	...	31.10	..
25	Kherwadi Bandra	1964	17	272	...	...	...
25	Tenements along Eastern Express Highway Ghatkopar	1965	108	1004	...	...	...
27	60 t. at Bombay Agra Road Ghatkopar	1966	3	60	...	...	...
28	320 t. at Santacruz	1965	20	320	...	...	...

HYDRAULIC ENGINEER'S DEPARTMENT

I.—LAKES AND TRUNK WATER MAINS

During the year supply was given from the Vaitarna, Tansa, Vehar and Tulsi Lakes and Ulhas River. Statistics regarding lakes, head works, quantities of water drawn, etc., are given in Appendix I. Details regarding water lost due to evaporation in various lakes are given in Appendix II. Plan showing lakes and alignment of trunk mains is at Appendix III.

Sources of water supply, conveyance, rain fall and contents.

The Vaitarna, Tansa, Vehar, Tulsi and Powai lakes recorded rainfall of 2519.20 mm. (99.18 ins.); 2653.50 mm. (104.46 ins.); 2083.31 mm. (82.02 ins.); 2501.72 mm. (98.49 ins.); 2177.41 mm. (85.72 ins.); respectively. Appendices IV, V, VI, VII and VIII give details of annual rain-fall in different lakes and in the City.

The levels of Vaitarna, Tansa, Vehar and Tulsi on 1-10-1967 were 163.13 Mt. (535.26 ft.); 128.46 Mt. (421.46 ft.); 77.20 Mt. (253.31 ft.) and 138.93 Mt. (455.81 ft.) respectively above the Town Hall Datum, and the corresponding contents above the lowest outlet of the lakes were 1,80,293 ML (39,660 Mg.); 1,81,666 ML (39,962 Mg.), 24,144 ML. (5311 Mg.) and 10,119 ML (2,226 Mg.) respectively. Vehar lake was 3.26 Mt. (10.75 ft.) below the full supply level.

The water from Powai lake was used for non-potable purposes viz. irrigation and Aarey Colony stables. About 3256.43 Cu. Mts. (1,50,000 Cu. ft.) silt was removed from the bed of this lake.

An average supply of 947.59 Mega litres (208.36 M. gallons) per day was given to Greater Bombay during the year. Appendices IX and X give the supply statistics for the various purposes and the quantity of water used for different purposes respectively during the year.

Supply Statistics.

The water supply from Tulsi Lake 16.82 ML. (3.70 Mg.) per day was filtered in the rapid-sand filter plant. Water from other sources was disinfected with chlorine only.

Filtration of water.

II.—HEADWORKS MAINTENANCE DIVISION

The following are the broad outlines of the Maintenance works at Vaitarna and Tansa:—

15 Nos. of Hydraulic gates as per Appendix XI were maintained during the year. The Spillway gates functioned satisfactorily. The maximum intensity of flood handled was 89,864.29 ML. (19,768 Mg.) on 28-7-1967. The lake reached Full Supply Level 162.64 Metres (535.00 ft.) T. H. D. on 25-7-1967 at 11-00 A.M. when the rainfall recorded at Vaitarna was 1,116.30 mm. (44.95 ins.).

Hydraulic gates.

One of the two undersluice gates was opened on 24-6-1967 for two hours. It functioned satisfactorily.

The Goliath Crane (14 tons capacity) was maintained and it functioned satisfactorily.

Goliath Crane.

The power House at Vaitarna consisting of three 100 KW. capacity, diesel generators and 440 volts overhead transmission lines of about 4.82 K.m. (3 miles) in length were maintained to ensure independent and reliable water supply for operation of gate, lighting, water supply, pilot filtration plant, gallery pumps, etc.

Diesel Power House.

The Health Resort Camp at Vaitarna consisting of three Class I and six Class II type quarters, equipped with furnitures and kitchenware was maintained. There was good response from the public.

Health Resort

Direct supply from the Vaitarna Lake to City was continued during year except for a period from 23-6-1967 to 22-10-1967 and 16-3-1968 to 17-3-1968 partially due to high percentage of turbidity in vaitarna water and partially to enable the contractor to carry out the work of conversion of the existing intake-tower into that of multigated Intake Tower and fixing of gates.

Direct supply from Vaitarna lake to City.

About 91,987 ML. (20,235 Mg.) of water was transferred to Tansa during the period from 23-6-1967 to 24-6-1967, 28-6-1967 to 25-7-1967, 26-7-1967 to 27-7-1967, 12-8-1967 to 13-8-1967 and 16-3-1968 to 17-3-1968 to fill up the Tansa Lake.

Transfer of water from Vaitarna to Tansa.

An aggregate of 7.52 Km. (4.67 miles) tunnels, 3.20 Mts. (10.50 ft.) diam. between Vaitarna and Bell Nala and Bell Nala and Tansa as per Appendix XII were maintained. The rollers under 3000 mm. (120") diam. main and expansion joints functioned satisfactorily.

Tunnel between Vaitarna Bell Nala and Bell Nala Tansa.

The break-pressure tower on 3,000 mm. (120") diam. main between Bel-Nala and Tansa functioned satisfactorily. An experiment to determine the safe maximum discharge to the said tower was conducted during 28-12-1967 to 29-12-1967 and the results were as follows:—

Break Pressure Tower.

At the lake level of 156.36 Mt. (513 ft.) T. H. D. in Vaitarna and for 1050 mm. (42") opening of 1200 mm. (48") sluice valve on Break-pressure tower safely discharged 318.22 ML. (70 M.G.) of water into Tansa.

56 Nos. culverts and bridges as shown in Appendix XII were maintained during the year.

Culverts and Bridges.

The following roads were maintained during the year :—

Roads.	1. Vaitarna—Khardi	... 16.90 Km. (10.5 miles).
	2. Temba—Belnala	... 10.46 Km. (6.5 miles).
	3. Bell—Nala Tansa	... 10.46 Km. (6.5) miles).
	4. Tansa—Atgaon	... 12.07 Km. (7.5 miles).

38 Nos. of automatic shutters on the Spillway of Tansa Dam and 11 Nos. of Penstocks for the outlet well were maintained and functioned satisfactorily. 14 Nos. of gates operated automatically on 27/28-7-1967 and continued to overflow upto 29-7-1967. The maximum intensity of flood handled was 44,427.62 ML (9,773 Mg.) on 28-7-1967. The lake reached full supply level of 128.63 Mt. (422 Ft.) T. H. D. on 27-7-1967, when the rainfall recorded at Tansa was 1,465.3 mm. (57.68 Ins.).

About 16 Km. (9.94 miles) of 2400 mm. (95") diam. pipe line, 1800 mm. (72") East and 1800 mm. (72") West pipe lines between Tansa and Pachhapur, 11 Km. (6.83 miles), 3,000 mm. (120") diam. pipe line between Bell Nala and Tansa and short lengths of 3,150 mm. (125") diam. steel mains between Tunnel faces at Balwant and Tasu Nalas, were maintained as per details shown in Appendix XII. 3000 Mm. (120") diam. main on Bell Nala to Aghai and 1800 mm. (72") East and West mains were painted. The trolley track along the 2400 mm. (95") main between Tansa and Pachhapur was maintained.

The discharge into the Duct at Tansa was shut off for the period from 6-12-1967 to 7-12-1967 for inspection of the same by the World Bank Experts and from 1-4-1967 to 14-5-1967 on account of Duct Renovation work, undertaken by the Water Supply Project Department. During the rest of the period the Duct was commissioned for supply of water to the City. The Duct line was patrolled during the summer and unauthorised openings made by the public and villagers were got closed with cement concrete.

A 10 K. W. 110 volts D. C. generating set was maintained for lighting the inspection bungalow and other quarters at Tansa. The set was run for six hours a day. The supply during the rest of the period was maintained through the storage batteries.

The Tansa Lake was patrolled to prevent pollution of water by cattle. About 300 heads of cattles were impounded and about 480 were driven out.

The gardens attached to the main bungalow at Tansa and those attached to the Guest House, Health Gardens at Vaitarna & Resort Colony and Dam at Vaitarna were maintained during the year.

Both Vaitarna and Tansa Lakes continued to be popular with picnic parties during the year.

Security measures such as guarding the Installations by Security Police were continued during the year.

Vaitarna Office was renovated with additions of two cabins one for telephone and the other for stores. A Telephone Cabin was constructed at Tansa near the Sub-Engineer (Mandola divn.)'s office. Old temporary shed of 7 units at Tansa was dismantled and a new masonry chawl with 6 Units was constructed.

III.—MAINTENANCE DIVISION (Outside City—Ulhas—Branch).

With the completion of the Ulhas Pumping Scheme for supplying 90 mega litres per day (20 M.G.D.) a new division was set up for purposes of maintaining the new pumping installations at Mohone and Pogaon and the pump delivery main. This division was also entrusted with the work of maintenance of the existing trunk main system between Patchapur and Bhandup.

ULHAS PUMPING SCHEME :

The main features of the Ulhas Pumping Scheme are described in as follows :—

Inaugurated by the Mayor of Greater Bombay, Dr. Leon D'Souza, on 8th May 1957, the Scheme consisted of—

- (1) Providing of a 90 mega litres (19.80 M.G.) per day Pump House at Mohone.
- (2) Providing of a 90 mega litres (19.80 M. G) per day Pump House at Pogaon.
- (3) Providing of 1200 mm. (43") dia. pipeline between Mohone and Pogaon and from Pogaon to the existing trunk main system.
- (4) Providing of a bridge for the 1200 mm. (43") dia. pipeline across the Kalu River.
- (5) Providing a 90 mega litres (19.80 M. G.) per day capacity water treatment plant at Pogaon.
- (6) Staff Quarters approach roads, etc.

PUMP HOUSE AT MOHONE :

The dimensions of the Pump House at Mohone are 31.4 metres (103') × 11.3 metres (37 feet) measured on the outside. The Pump House situated on the right bank of the Ulhas river at Mohone is fed by an Intake channel 70 metres (230 ft.) in length and having a cross section of 3 metres × 0.9 metres (10' × 3'). The channel has been designed for a maximum carrying capacity of 180 mega litres (40 M.G.D.) per day. Eight Pumps of 230 H.P. including 2 stand by units have been installed, space having also been provided for additional units. The cost of the installations including the step down transformers was Rs. 25.2 lakhs.

PUMP HOUSE AT POGAON :

The Pump House at Pogaon is 23.77 metres (78 ft.) long and 7.75 metres wide (32 ft.). 10 pumps each of 250 H. P. capacity have been installed including 4 stand-by units. The cost of this installation including transformer was Rs. 11.4 lakhs.

TREATMENT PLANT AT POGAON :

During the year under review, the water treatment plant for this system was under construction. It is located at Pogaon, upstream of the second stage pump installation, and consists of conventional rapid sand filters with 2 Nos. circular clariflocculators designed and built by Messrs. Candy Filters (India) Pvt. Ltd. Alongside this plant is located the pure water reservoir, having a capacity of 5,40,000 litres (1,20,000 gallons). It receives supply currently through a 1200 mm. (48") dia. steel pipeline of 13.3 K. metres length from the Mohone Pump House and is connected with the trunk main system through the second stage pumps.

Repairs and Maintenance of Trunk Mains, Embankments, Cuttings, Culverts, Bridges, Trolley Tracks and Maintenance of Buildings :

The pipelines, embankments and trolley track for the lengths shown in the Appendix XII were maintained during the year.

Bursts :

There was one burst on 1250 mm. (50") dia. new Tansa main during the year and the same was repaired at an approximate cost of Rs. 10,000.

Leaks :

36 major and 468 minor leaks on the trunk mains and 18 on the masonry duct and 1843 leaks on the syphon mains were repaired during the year.

Repairs to Expansion Joints :

32 Nos. Expansion joints of the 2400 mm. (95") dia. Vaitarna main were repaired during the year.

Prevention of Tress Passing in the Catchment Area :

43 cattle were impounded.

Maintenance works in the Division :

Painting of 1800 mm. (72") dia. mild steel mains was done for an area of 1,69,243 sq. metres (18,21,725.63 Sq. ft.).

Maintenance of Structures :

6 structures were maintained.

Works of Importance Carried Out :

(1) The work of providing concrete blocks under 1800 mm. (72") dia. East and West mains was taken up in hand in December 1967 and the same is in progress.

(2) 2 mile length of branch trolley-track was laid from Balcum junction to Kasheli 1,200 mm. (48") dia. and 1250 mm. (50") dia. mains.

IV.—MAINTENANCE DIVISION (Outside City)

This Division is entrusted with the work of repairs and maintenance of trunk mains, embankments, cuttings, culverts, bridges trolley tracks, head works at Vehar, Tulsi and Powai Lakes, supervision over lakes, catchment areas, disinfection of City's water supply, maintenance and repairs of vehicles, trollies and other machineries and buildings.

There was no major burst on any of the trunk main in the division during the year.

Major Bursts.

There were 28 major and 233 minor leaks on trunk mains.

Leaks.

A temporary bund was provided in the masonry duct downstream of Old Chlorination Plant at Bhandup, to divert Ulhas water into Vehar Lake through two scours, upstream of the temporary bund. The masonry duct downstream of the temporary bund remained out of commission from 1st April 1967 up to the end of the year.

The City's water supply was disinfected at the Central Chlorination Plant at Powai and at few smaller

Disinfection of City's units as under:—
water supply.

Serial No.	Name of the plant	Supply	Dosage
1	Central Chlorination Plant Powai	... Vaitarna-Tansa } ... Vehar	... 1.8 to 2.7 p.p.m. ... 0.6 to 2.5 p.p.m.
2	Tulsi Chlorination Plant	... Tulsi	... 1.4 to 3.3 p.p.m.
3	Mulund Chlorination Plant	... Vaitarna-Tansa	... 2.5 p.p.m.
4	Old Bhandup Chlorination Plant	... Vaitarna-Tansa	... Closed down as duct supply was closed, downstream of the plant.
5	Chlorination Plant at Jungalmangal Road	... Do.	... 2.0 p.p.m.
6	Veravali Chlorination Plant	... Do.	... 2.4 to 5.0 p.p.m.

Re-chlorination was carried out at Malabar Hill Reservoir, Bhandarwada Hill Reservoir, Worli Hill Reservoir, Gollanji Hill Reservoir and Futka Tank. Residual chlorine with this arrangement remained at 0.2 p.p.m. in the distribution system.

The total quantity of chemicals used in all the plants in the City and outside City Division during the year was as under:—

(1) Liquid chlorine	984.325 M.T.
(2) Alum	36.600 M.T.

The Central Chlorination Plant at Powai received electric supply from Messrs. Thana Electric Supply Stand by Power House. Company for the whole year. Stand by arrangement, diesel operated electric generator having 3 units of 24 K.W. (40 H.P.) was maintained.

The rapid sand filter plant at Tulsi Head Works with seven filter beds was maintained. Alum dose varied from 0.34 to 0.55 grains per gallon.

Strict measures were taken for preventing pollution of lake waters. 61 Persons were arrested and prosecuted. 232 Cattle impounded in Municipal land were sent to Government Cattle Pond. There were 7 Deaths due to drawing in Vihar Lake.

6 Heavy and eight light motor trolleys and two 45 H. P. diesel locomotives were maintained and operated during the year at an approximate cost of Rs. 55,000.

The total distance covered by all the vehicles was 1,36,160 km. (84,605.68 miles). Machinery such as compressors, welding plants, concrete mixers, generating sets, out-board engines for boats, pumping units, venturi-meters, together with other plants and machinery, as detailed in Appendix XIII were, maintained.

The total number of structures maintained was 216.

Extensive patch plating was carried out on 1400 mm. (57") dia. East and West steel mains in Bandra Creek to prevent wastage of water from leaky portions.

Repainting of steel mains was done for an area of 60,780 sq. mts. (72,693.00 sq. yards).

10 Leaky expansion joints on 2400 mm. (96") diam. Vaitarna main in Sahar Bandra section were repaired by isolating these sections of main for a period of 20-28 hours.

In December 1957, a programme of closing of Municipal pipeline land from Tansa to Sion and Mahim to the public for 24 hours, was carried out in stages to maintain the property rights of the Corporation over the water works private land.

The total number of visitors to Vihar, Powai and Tulsi lake gardens was about 7,20,000; 2,20,000 and 42,000 approximate respectively.

(1) Fabrication of three motor trolleys for the use of Project Divn. was taken up during the year and was nearing completion.

(2) Six Pito-meter instruments with six portable tents were prepared during this year also, making the total number of instruments manufactured at Ghatkopar to 12.

(3) Two Evaporation gauges were fabricated in the workshop.

(4) Ten mild steel covers were fabricated and fixed on the expansion joints of 2400 mm. (96") Vaitarna main in Section from Santacruz to Dharavi, to prevent tampering of joints by miscreants.

(5) Repairs to Tulsi filter house, one coagulation tank and two filter-beds (including regrading) were carried out.

(6) Work of improvement of Vihar and Powai Gardens was entrusted to an expert-landscape gardner, and the work was in progress.

(7) Expensive repairs to the trolley track and embankment from Santacruz to Bandra were carried on at an approximate cost of Rs. 30,000.

(8) A welding and fitting shop was constructed in Ghatkopar Yard at an approximate cost of Rs. 45,000

(9) The work of raising the floor over the existing kitchen at Vihar main bungalow was carried out at a total cost of Rs. 9,200.

(10) Plinth of Thana Road chowky was raised by at a cost of Rs. 2,800.

(11) Two blocks of Sanitary convenience were constructed in Powai Park at a cost of Rs. 28,000 approximately.

(12) Main Roads in Powai Park were asphalted at an approximate cost of Rs. 30,000.

(13) Erection of 10 tons capacity hand operated travelling gantry was taken up in Santa cruz yard through the contractors.

(14) A part of Sonar channel feeding Vihar lake was diverted due to the work of forming embankment for Upper-Vaitarna main.

- (15) Work of replacing of 900 mm. (36") S. V. on 1400 mm. (57") West main at Bandra Anchor Block was carried out.
- (16) Corroded covers of roller boxes of 2400 mm. (96") Vaitarna main in Santacruz-Dharavi Section were replaced by new ones.
- (17) Barbed wire fencing around the Municipal land at Vihar lake downstream of Dam No. 1 was carried out at a cost of Rs. 14,000 approximately.
- (18) 450 mm. (6") diam. pipeline for a length of 393.192 Mt. (1290 feet) was laid for providing a fountain in Powai Park.
- (19) Lady Baden Powel laid foundation of Scout Camp at Powai Park No. 2.

V—MAINTENANCE DIVISION (INSIDE CITY)

The Maintenance Division at 566, N. M. Joshi Marg, Byculla, continued attending to major works of repairs and bursts on big sized water mains, maintenance of testing house, meter workshop, pumping and chlorination stations at reservoirs and other places in the City, etc. This division continued attending emergent works connected with repairs to pipes even after office hours and Sundays and Holidays.

The total length 893.81 Km. (555.39 miles) of water mains of sizes 80 mm. (3") and above was maintained during the year. Statement gives details of lengths of existing mains in the island of Bombay. There were 15 bursts and 25 leakages on large sized water mains during the years. The details of bursts on 600 mm. (24") and above diam. mains are shown in Appendix XIV.

Major
works. Maintenance

Plants and Machinery maintained during the year are shown in Appendix XIII.
Plants & Machinery.

(1) Malabar Hill Reservoir

The existing six pumps viz. 3 Nos. 100 H. P., two 75 HP, and one 40 HP were maintained. Out of the three 100 HP, one was installed during the year under review in place of one of 40 HP as the latter was observed to be undersized in relation to the growing demands. Total Horse Power of the Pump House was raised to 490 HP.

Pumping
Stations at
Reservoir.

(2) Bhandarwada Hill Reservoir

From the existing two pumps of 275 HP, one was replaced by a new one of 300 HP capacity. The total capacity of the Pump House was then raised to 575 HP.

(3) Golanji Hill Reservoir

Existing three pumps viz. two of 100 HP and one of 80 HP were maintained. The total capacity of the Pump House remained at 280 HP.

The aggregate capacity of pumping units at Reservoirs in City was thus raised to 1345 HP and the total maintenance cost incurred was Rs. 2,13,000. In addition to the above pumping units, 6 small pumping sets were maintained for playing fountains and for watering the reservoir gardens.

Five Boosting stations as shown in Appendix XV (at Serial 1 to 5) were maintained during the year and one new boosting station at B. D. D. Chawl N. M. Joshi Marg. was also commissioned during the later half of the year.

Rechlorination was done at various places in the City for maintaining required residual chlorine in the water mains in the City. Auxiliary chlorination stations at (a) Futka Tank, King's Circle; (b) Malabar Hill Reservoir, (c) Bhandarwada Hill Reservoir, (d) Worli Hill Reservoir and (e) Golanji Hill Reservoir functioned satisfactorily. Further, five chlorination plants were used on the water mains in City wherever additional disinfection was found necessary due to suspected contamination etc.

Chlorination
Plants.

The total quantity of chlorine consumed during the year was about 3023 cylinders with chlorine of 206 tonnes approximately.

The total number of pipes and fittings tested during the year was approximately 5,92,062. Out of which 4,71,218 pieces were for private parties and the remaining for the municipal works, realising a revenue of Rs. 1,13,920. A total number of pieces tested and revenue recovered during the previous year were 6,50,000 pieces and Rs. 1,03,150 respectively.

Testing of
Water fittings.

The total number of meters maintained was 22,107, Municipal meters, repaired during the year were 6,535, and total number of meters tested was 16,728. Out of which 13,086 were municipal meters.

Meter Shop.

The total number of new meters purchased during the year was 2,995 Nos.
New Meters.

In order to give speedy relief to the consumers whose pumps had gone out of order, 15 Nos. of pumping Booster Pumps for hire sets (H.P. 1 to 5) were maintained and hired for short durations to public.

Two plastic tanks each of 49987.00 litres (11,000 gallons) capacity were also offered on hire to public.

143 New meter connections were made during the year. 272 Odd jobs such as cleaning of water connections, arresting wastage, rewashing, replacement of old pipes etc. were carried out during the year. Improving the water supply in Municipal out-lets. Building Inside City.

The routine maintenance works such as painting, minor repairs replacement of storage tanks, repairs to flooring etc. were carried out during the year. Maintenance of Water Works Building.

The work of granting new water connections was carried out by the maintenance staff of the respective wards. The total number of new water connections granted during the year was 4,298 as shown in Appendix XVI as against 5,461 in the previous year. The grand total of water connections existing in different premises in the city come to 88,240 as against 83,951 of the previous year. Similarly, water connections cut off during the year were 230 during the previous year. Other odd jobs such as cleaning of dirt boxes, meter strainers, etc., during the year were 5,057 as against 4,822 during the previous year.

The works of special mention that were carried out during the year are as under:—

- (1) One new 30 HP electrically operated Pump at Bhandarwada Hill Reservoir was installed and put into commission in place of 275 HP pump.
- (2) One new 100 HP electrically operated pump was installed and put into commission in place of 100 HP pump.
- (3) The old Control Room at Babula Tank was renovated (after repairs and painting).
- (4) 2500 Stand-post hydrants in various wards were painted during the year.
- (5) Replaced (i) one 300 mm. (12") sluice valve on 1400 mm. (57" East main at the junction of Shivaji Park and Lady Hardinge Road.
 - (ii) One 300 mm. (12") S. V. on 1400 mm. (57") main at Lady Janshetji Road, junction Lady Hardinge Road.
 - (iii) Two 300 mm. (12") S Vs. on 1400 mm. (57") main at Mori Road Mahim junction opposite the Church.
 - (iv) One 450 mm. (18") sluice valve at Curry Road Railway Station.

VI—DISTRIBUTION DIVISION (CITY)

Distribution Division deals with distribution and regulation of water supply within city limits. It also deals with investigation of short supply complaints, granting permissions for new connections additional fittings and their certification, taking court actions for enforcement of section of the Bombay Municipal Corporation Act relating to public and private water supply, rewashing of leaky taps, issue of notices for defective fittings and metering of water supply.

Each ward, A to E was in charge of one Assistant Engineer and Wards F and G were divided into two sub-divisions, each sub-division in charge of an Assistant Engineer.

A new control room was established at Babula Tank, in place of the existing one, and equipped for the entire Greater Bombay Water Works and was placed in charge of a senior engineer designated as Assistant Engineer Water Works Distribution and Control. He is responsible in all matters covering control of water supply for the entire Greater Bombay including lakes.

A hall having an accommodation for fifty persons, which is well equipped with drawings, maps, pressure-charts, and a reference library, is also provided for holding meetings etc.

Lakes Utilisation Programme and Pattern of Trunk Mains.

With the commissioning of the Ulhas River pumping installation in May 1967, it was decided to utilise one of the syphon mains in the Kasheli syphon for conveying water to Bombay through the southern section of the Duct, that it is by feeding it at the Bokhran syphon head and drawing it through the Duct into the Vehar Lake through two numbers of scours at Bhandup. Beyond Bhandup, the Duct was temporarily blocked. In this way, the Vehar Lake was used as a buffer and the draw-off from Vehar was suitably increased, particularly the gravity feed through the 48" diam. main.

The monsoon of 1967, however, failed to fill up the Vehar Lake and after the monsoon, therefore, it became necessary to reduce the gravity feed from Vehar restricting it to within about 45 mega litres per day (10 mgd.). Pumping from the Vehar lake was totally stopped after the Monsoon and the deficit in the Vehar lake gradually made up until at the end of the year under review, there was a surplus storage over the previous year of 1141 mega litres (251 gallons.).

The Vaitarna lake could not be used for four months during the monsoon, partly because of the modification in the intake tower which was undertaken during that period, and partly also because of the persistence of higher turbidity levels beyond the usual period because of an unusual pattern of rainfall. When commissioned, however, a larger than usual draw-off was taken from this lake by feeding both the 400 mm. (16") and the 1800 mm. (72") trunk mains with Vaitarna water through the 3000 mm. (120") diam. main at Tansa and running them parallel up to Pogaon. This was done in order to bring down the lake level to 211 T.H.D. on the 15th December to enable work to be started on the opening at level 520 in the Vaitarna intake tower. In order to attain this value, it became necessary also to bleed additional water out into the Tansa Lake through the break-pressure tower in the Tansa catchment from 1-11-1967 to 15-12-1967.

Towards the end of the year again from the 16th of March onwards, it became necessary to transfer water into the Tansa Lake, this time at a much faster rate so as to bring the level down suitably for commencing the work on the lowest opening at 460 T. H. D. When this operation was commenced by opening the Tansa gate at the bifurcation tower, the feed from Vaitarna to Bombay naturally suffered a severe set-back and pumping had to be restarted from the Vehar Lake to make up for the shortfall.

The Duct in the northern section was in commission throughout the year and conveyed Tansa water upto Pogaon, beyond which it was conveyed to Bombay by one of the syphon mains in the Kashe i Creek and fed through cross connections into the direct supply combination. The southern section of the Duct between Pokhran and Bhandup carried the Ulhas waters and the section between Bhandup and Ghatkopar remained out of commission.

For the purpose of distribution of supply, the city is divided into five main divisions, each division receiving supply from (a) Malabar Hill Reservoir, (b) Bhandarwada Hill Reservoir, (c) Worli Hill Reservoir, (d) Golanji Hill Reservoir and (e) directly from trunk mains. The details of area served by the four reservoirs and the direct supply area are shown in Appendix XVII.

The hours of supply in the city as shown in Appendix XVIII.

Hours of supply.

The average quantity of water per day brought to the city, suburbs, was as follows:—

Average quantity of	In Mega Litres	In Million Gallons
City	641.42	141.10
Western Suburbs	149.24	32.83
Eastern Suburbs	100.03	22.06
Extended Suburbs (West)	51.09	11.09
Extended Suburbs (East)	5.81	1.28

During the year 38,266 Nos. of complaints were received as against 38,676 complaints during the Short Supply Com last year, as detailed in Appendix X.X.

Municipal Commissioner's notices for improvement of water supply under Section 274(1) of the Bombay Municipal Corporation Act were issued in 399 cases under Section 271(2) in 15 cases in respect of premises which were without adequate water supply. The number of prosecutions launched during the year was 577. The number of convictions was 348. 15 Cases were withdrawn after compliance with notice and 152 cases were pending disposal at the end of the year. The total amount of fine recovered was Rs. 4,315. Besides, about 3288 Notices under Section 278(2) of the Bombay Municipal Corporation Act were served on the owners for defects in water fittings excluding those in respect of unauthorised works infringing the provision of Section 287A and B of the Municipal Act and non compliance of Water Bye laws, and as a result of these 822 prosecutions were launched. The number of convictions was 693 and the amount of fines recovered was Rs. 4,945.

The number of cases reported to the Standing Committee for severing water connections for non-payment of taxes and using unmetered water supply was 686 against 1224 in the previous year. In 310 cases, the supply was cut off. In the remaining cases, the execution of disconnection orders was not carried out as the consumers complied with the Municipal requirements.

The total number of calls received by the Babula Tank Control Station from the Fire Brigade Department was as 2549 against 2375 received during the previous year. Out of these 532 calls were false. 156 calls were on account of collapse of houses and 91 calls were on account of serious fires as per the estimate of the Fire Brigade Department, the total quantity of water actually used to put out the fires was about 3.59 M.L. (0.79 Mg.). However, as a result of the fires, a far greater quantity of water was released from Reservoirs and trunk mains as high pressure supply had to be given for the duration of the emergencies in the localities in which they occurred. In order to enable the staff to attend fires promptly, one more fire van was maintained at E Ward, making the total number of vans as five. The other four vans were stationed at (i) A Ward (ii) Babula Tank. (iii) F (South) Offices, (iv) G (South) Offices.

As a result of low pressure in the municipal water mains and increase in number of pavement dwellers, hydrants were found opened in various localities in the City by use of a crude key. This apart from waste of water and low pressures, created problems as hydrants were rendered inoperable due to damage to spindle gates. In order to minimise wastage due to unauthorised opening of hydrants, two flying squads, each consisting of overseer, 2 policemen and 2 labourers operated throughout the year except during the monsoon. During this period, 1,215 hydrants were closed, 197 keys, 58 masks, 3,020 tins, buckets and vessels were confiscated.

Revenue derived from returning utensils to the public on payment of a small fee was about Rs. 2,496 and through auction of unclaimed confiscated utensils was Rs. 1,309.

Major closures on trunk mains.

The following works involving closures on trunk lines were undertaken during the year under review:—

Date	Works involved	Section isolated
5th/6th April 1967	... Connection of Ulhas system	... 1800 mm. (72") Tansa East main Pogaon to Tarali.
19th/20th April 1967	... Repairs to Expansion Joints	... 2400 mm. (95") diam. Vaitarna main between Tarali and Kasheli.
	Replacing 900 mm. (36") dia. Line Valve at Bandra.	1450 mm. (57") dia. Tansa West main between Sahar and Mori Road.
28th/29th September 1967.	Repairs to 10 Expansion joints and provision to internal flaps to 3 of them.	2400 mm. (96") dia. Vaitarna main between Sahar and Bandra.
18th/19th October 1967	... Repairs to seven Expansion Joints and provision of internal flaps to 2 of them.	2400 mm. (95") diam. Vaitarna main from Chinchavali to Kiravli.
7th/8th December 1967	... Repairs to 6 Expansion Joints	... 2400 mm. (95") diam. main from Tarali to Kasheli.
19th/20th January 1968	... (1) Repairs to 6 Expansion Joints. (2) Connection of East-West Tunnel between Mulund and Kandivali with 2400 mm. (95") diam. Vaitarna main. (3) Connection of Inlet main for Bhandup Hill Reservoir from 2400 mm. (95") dia. Vaitarna main.	2400 mm. (95") diam. main from Mulund to Bhandup.
13th/14th February 1968	... Repairs to Expansion Joints	... 2400 mm. (96") dia. Vaitarna main between Kapurbavdi to Mulund.
1st/2nd March 1968	... Repairs to Expansion Joints	... 2400 mm. (95") dia. enlarged main between Kapurbavdi and Kasheli.

VII.—METER DIVISION

18,179 meters of sizes varying from 15 mm. (1/2") to 300 mm. (12") were on the connections as detailed in Appendix XX. The number of meters exchanged was 10,495 and those fixed on new connections were 1,079. About 747 meters were removed from the existing connections.

The number of new properties metered during the year was 220. Premises metered during the Progressive metering year pertained to trades and new residential buildings on flat system.

The total revenue derived from water supply by meter measurement was Rs. 3,62,49,336 as Revenue from metered against Rs. 4,06,29,714 during the previous year.

connections.

Since the creation of the post of Ward Officer (Meters), the methods and procedures of building, computation of consumption, disputes, etc., were reoriented by giving directions to the meter staff and personal periodical contacts for smooth and efficient working of Meter Branch.

VIII.—QUALITY CONTROL OF WATER SUPPLY AND WASTE PREVENTION DIVISION

This division was in charge of the following work:—

- General.**
- Quality control of water supply for purposes of desirable standard of purity.
 - Regular detection and prevention of underground leakages in water mains, appurtenances, service pipes etc.
 - Rewashing of leaky taps in private premises.
 - Gauging the flow of water through the water main by Pitometer to determine the average quantity of water supplied to different areas and the flow characteristics in different water mains.

In all, the wards of the City and Suburbs, there are two groups of sampling points per ward (total No. 12) from which water was sampled for the purposes of chemical and bacteriological examinations. The sampling points being on service mains, were representatives of the quality of water supply obtainable in different localities as well as in the entire distribution system of Greater Bombay.

Bacteriological Analysis.

Samples of water were collected by mobile squads of trained personnel of the Municipal Analyst's department every day, except on Sunday from each ward.

Out of 1853 routine samples taken during the year, 90.66 per cent were free from Coli-form bacteria from which it will be seen that the purity of Bombay's water supply conforms to the International standard for Drinking water prescribed by the World Health Organization.

In addition to the above, this division collected 3489 special samples from areas when incidence of cases of water borne diseases were reported by the Health Officer. 87.80 per cent of the samples were free from coli-form Bacteria. 3710 samples were collected at service reservoirs at Malabar Hill, Bhandarwada Hill Worli Hill, Golanji Hill and Pali Hill during the year.

98.40 per cent of the samples were found to be free from Coli-form organisms.

Chemical Analysis. The total number of samples collected for chemical analysis during the year, both from the lakes and the distribution system was 253. In addition 15 special samples were collected by this division for chemical analysis with a view to ascertain the quality of water while investigating complaints of bad quality of water.

Detection and removal of sources of contamination. (a) Breakages and leakages in communication and consumers' pipes were repaired. Corroded portions were removed and pipes in the vicinity of drains were diverted. Leaky hydrants and sluice valves were repaired. Disused connections were cut off on the mains. Consumer pipes in the house gulleys were raised 2 to 3 ft. above the gully floorlevel. Leaks in water mains were retained.

(b) There was a regular programme for flushing hydrants about once in two months for removal of accumulated sediments, if any.

Detection of wastage was done in Greater Bombay by "Soundings" of underground water mains, appurtenances and communication pipes during supply hours and by inspection of consumers pipes in house gully. Further, premises facing the roads, where water mains were sounded were subsequently inspected and leaky taps, if noticed were rewashered.

Pitometer gauging 1193 Pitometer observations were taken during the year to (a) gauge the quantity of water conveyed by trunk and distributory mains for finding out the average daily break up of the total supply in the different zones of Greater Bombay and the flow characteristics in particular distribution system for adjustments.

(b) to gauge for leakage and consumption studies, to study pattern of supply to selected areas and improve it where ever possible.

(c) to measure the quantity of water supplied to private bulk consumers on connections where the meters are either out of order or are suspected to be defective.

(d) periodical checking of venturi meters on the trunk mains and inlets and outlets to service reservoirs.

During the year the number of pitometer units were increased from 5 to 8 on account of the increase in their use for various purposes as stated above as also due to a larger volume of work. A change was also effected in the schedule of shifting of the pitometers, so as to enable a regular periodical gauging of all the permanent pitopoints to be done and at the same time to cover temporarily and new pitopoints.

Longer monometer tubes were also fitted to instruments used for measuring of large discharges. The use of mercury as a liquid in the monometer tubes was also started for the same reason.

Lighter liquids of various specific gravities ranging from 1.1 to 1.58 were prepared by mixing carbon tetra chloride and Benzene in various proportions for use in the 'U' tubes to make the instruments more sensitive in order to measure small discharges.

IX—WORKS DIVISION (INSIDE CITY)

The Works Division (Inside City) carried out the work of laying of water mains and other construction works as per the provisions in Loan Works Budget. It also carried out the work of diverting of the water mains, laying of additional mains in connection with resurfacing of roads and other emergent works, on behalf of the private parties, sister departments, Government bodies and making new connections above 80 mm. (3") diam. in size were also done by this division.

These works were carried out departmentally the total strength of the staff being 800. The cost of the budgetted works executed was about Rs. 8,55,000 and that of the unbudgetted works Rs. 14,62,000. List of Plants, Machinery and Tools with this division is as shown in Appendix XIII.

Total lengths of pipes of various sizes laid is as shown in Appendix XXI.

Some of the important works executed during the year are as shown below :—

- (1) Improving water supply in 'E' Ward.
- (2) Improving water supply in 'C' Ward.
- (3) Improvement of water supply to K.E.M., Tata Hospital and Orthopedic Hospital Parel.
- (4) Cross-connection between 1400 mm. (57") West Tansa main and 600 mm. (24") main in Tulsi pipe Road at Khed galli.
- (5) Boosting station at B.D.D. Chawls near DeLisle Road Police Station.
- (6) Repairs to 1200 mm. (48") steel main (7 leaks were repaired).

X.—SURVEY AND DESIGNS DIVISION

This division is entrusted with the work of maintaining records of water and other structures, preparing plans and estimates of all engineering works to be carried out, maintaining statistics of (i) lake levels, (ii) storages, (iii) discharges, (iv) rainfalls, (v) chemical and bacteriological analysis, etc., maintaining records of Water Works lands, preparing estimates of water charges showing quantity of water used for building construction purposes, verifying tenders, contracts and measurement of contract works, maintaining a library of engineering books and periodicals, and attending to miscellaneous administrative matter of technical nature.

General

Several proposals for laying water mains for improvement and expansion of the distribution system were prepared during the year. Plans and estimates as detailed below were prepared :—

Budget.	No. of Plans.	No. of Estimates.	Estimated cost in
(City) Division—I	...	126	Rs. 69,36,000
(Suburbs) Division—II	...	102	1,17,86,000
(Ext. Suburbs) Division—III	...	52	12,73,000
Total	...	280	1,99,95,000

722 estimates of compounded charges for water used for construction purposes in the City were framed as against 553 in the preceeding year. The total estimated amount was Rs. 10,72,000 as against Rs. 7,85,000 in the preceeding year. On similar lines, 1304 estimates for the Suburban and Extended Suburban areas as against 1084 in the preceeding year were framed amounting to Rs. 14,28,000 as against Rs. 11,84,000 in the preceeding year.

Compounded charges for water used for construction purposes.

XI.—PLANNING & RESEARCH DIVISION.

During the year under review this Division underwent considerable expansion. The initial part of the year was devoted mainly to problems of setting up of the organization, acquiring the accommodation, furniture and the equipment necessary, and for recruiting staff. The latter part of the year was devoted to training new personnel and for preparing a WORKING PLAN for the 1971 stage of the development by which it is expected that the Upper Vaitarna Project works will have been completed. Some of the other activities during the year are listed below :—

- (1) Sample survey of metered properties.
- (2) Preparation of new Ward Plans for Suburbs (H, K, M, N Wards).
- (3) Contour surveys of Suburbs along the roads.

During the year a separate wing for Investigation and Monitoring work was also established in addition to the planning unit for the City and Suburbs which already existed. With the help of this new unit the Pali Hill Reservoir Pumping Installation was commissioned in August 1967.

This unit also carried out field tests for creating closed Zones at Girgaum, Kalbadevi, and other places. Numerous other problems relating to improvements in supply were also tackled prominent amongst these being the supply of Worli Village and to the B.D.D. Chawls at Worli.

The main activity of this section however, was the Consumption and Leakage studies which were taken up in collaboration with Messrs. Binnie & Partners, the World Bank Consultants for the Ehatasa scheme, in the latter part of the year. Field surveys in this connection were carried out on the Siri Road outlet from the Malabar Hill Reservoir, on the Zone of supply of the Middle Income Group of Colony the Maharashtra State Housing Board at Bandra, and on the that of supply to the B.D.D. Chawls at N. M. Joshi Marg.

In addition several tests were carried out on various outlets from Malabar Hill Reservoir and the Worli Hill Reservoir for testing water tightness.

XII.—INDUSTRIES DIVISION

The activities of this Division during the year under review are described below :—

(1) Fixing of quotas to Industrial Concerns

In view of the overall shortage of water being experienced in the Greater Bombay area during recent years, quotas have been fixed to limit the consumption of Industries consuming more than 1,50,000 litres (32,996.40 gallons) of water per month. Quotas have been fixed for 1,510 such industries and their monthly consumption kept under watch.

(2) Water utilisation study of Large Industries

A detailed study of 43 major industries drawing more than 4,50,000 litres (1 lakh gallons) of water per day was also made by the Municipal Corporation of Greater Bombay with the help of expert firms. The measures recommended by the consultants for conservation and re use of water were intimated to the various industries and periodical reviews taken to see the progress of implementation of these measures. A second study

covering the remaining large water consuming industries, 23 in number (including 6 Nos. beyond the limits of Greater Bombay but drawing water from the trunk main system) was also sanctioned towards the end of the year and work relating thereto has been undertaken.

(3) Powers for effective control over consumption

Draft amendments to the Water Bye-Laws so as to enable the Corporation to regulate the supply of water to the industries have been notified in the Press and comments invited before being ratified by the Corporation.

XIII—GENERAL.

The total number of scheduled superior staff during the year was 252 under Division I (Budget 'A') and the Establishment cost thereof amounted to Rs. 18,09,192. Labour staff during the year numbered about 2451 and its Establishment cost was Rs. 45,19,656. The temporary staff both superior and inferior was 187 and 760 respectively with a total establishment cost of Rs. 19,20,131.32.

The organisation chart of this department is as per Appendix XXIII.

XIV—DISTRIBUTION DIVISION (SUBURBS & EXTENDED SUBURBS)

The Suburbs and Extended Suburbs are supplied water by gravity through several tapping points on the trunk mains coming from the lakes. For distribution purposes the areas are divided into two zones viz. Western and the Eastern. The former derives supply from the tappings on the 2400 mm. (96") Vaitarna, 1450 mm. (57") East and West Tansa and 600 mm. (24") Tulsi mains between Powai and Bandra and the latter through tappings on the 1800 mm. (72") West Tansa main, Duct line, the 1200 > 800 > 600 mm. (48" > 32" > 24") Vihar main and 1200 mm. (48") New and Old Tansa mains.

The hours of supply of different localities in the Suburbs and Extended Suburbs are shown in Appendix Hours of Supply. Appendix XVIII.

(a) Tunnel

The work of driving 3.96 Mts. (13 feet) diam. tunnel between Mulund and Kandivali was still under progress, various difficulties having been encountered. Measures to improve distribution system.

(b) Veravali Outlet

The work of laying of 600 mm. (24") diam. branch of this outlet from Veravali Reservoir along Western Express Highway upto Daftary Road, at Malad was completed.

(c) Commissioning of Pali Hill Reservoir

The new permanent pumping installation at the Pali Hill Service Reservoir was commissioned on 2nd August 1967 to replace the older installation at Mala. This pumping installation draws water from the Pali Hill Service Reservoir which was also commissioned partially for this purpose. This Reservoir is being used since then on a fill and draw basis like the ones at Worli and Gollanji, the feed into it being taken from direct supply combination during the non-supply hours of the Bandra Zone when the inlet main is not otherwise being utilised.

Statistics as regards quantity of water supplied to the area in the Suburbs and Extended Suburbs during the year is shown in Appendix IX & X.

The particulars of connections made during the year are given in the Appendix XVI. The total number of new connections granted was 1,833 in the Suburbs and 750 in the Extended Suburbs. The total number of connections at the end of the year was 28,498 in the Suburbs and 8,596 in the Extended Suburbs.

Metered stand pipes were given for group of not less than 20 persons on receipt of their applications. During the year 895 such stand-pipes were given of which 854 in the Suburbs and 41 in the Extended Suburbs. The total number of metered stand pipes is 1,842. Out of these 1,700 are in Suburbs and 142 in Extended Suburbs vide Appendix XXI.

As the position of water supply had improved due to laying of more water mains in Extended Suburbs and consequent increased in the number of water connections given to the consumers, sanction of the Corporation was obtained to cut off the free stand pipes in the Extended Suburbs vide Corporation Resolution No. 1549, dated 11th February 1963. The action remained stayed in view of High Court injunction. However, the Corporation have now sanctioned continuation of these free stand pipes vide Resolution No. 1568, dated 16th January 1967.

The number of short supply complaints received for various reasons and attended to during the year from the areas in the Suburbs and Extended Suburbs was 10,100 and 4,234 respectively. As detailed in Appendix XX A.

3 notices for suburbs and 27 for Extended suburbs under Section 271 (2) and 274(1) of the Bombay Municipal Corporation Act, were issued and in 57 cases of Suburbs and 4 cases of Extended Suburbs.

The total number of fire calls attended in Suburbs and Extended Suburbs was 95 and the quantity of water used to put out fire was about 1.59 and 0.09 M.L. (0.35 and 0.02 M.L.) respectively.

Notices under different sections of the Bombay Municipal Corporation Act, 676 and 22 notices were issued respectively in the Suburbs and Extended Suburbs for defective fittings, more chokes, service pipes, unauthorised works etc. The court action was taken 58 and 33 cases respectively. The amount of fine recovered was Rs. 629 and Rs. 145 in the area of Suburbs and Extended Suburbs respectively.

Disconnection orders issued in the Suburbs and Extended Suburbs numbered 728 and 11 Disconnection Order respectively:—

23,301 and 8,742 meters of sizes varying from 15 mm. (1/2") to 300 mm. (12") were on the connections in Suburbs and Extended Suburbs respectively as detailed in Appendix XX. The number of meters exchanged was 5,883 and 1,091, those fixed on new connections were 1,693 and 858, those removed from the existing connections were 3,051 and 929 and the number of new properties metered were 294 and 347 for Suburbs and Extended Suburbs respectively.

XV—MAINTENANCE DIVISION (SUBURBS AND EXTENDED SUBURBS)

Water mains of sizes varying from 50 mm. (2"), to 900 mm. (36") 566.08 Km. (351.75 miles) and 262.94 Km. (163.39 miles) in the Suburbs and Extended Suburbs respectively were maintained. The total number of bursts on mains from 80 mm. (3") to 600 mm. (24") diam. were in Suburbs and in Extended Suburbs. The details of bursts on mains 600 mm. (24") and above in diam. were shown in Appendix XIV.

Two new pumping stations were installed during the year and a total number of 31 stations were maintained as detailed in Appendix XV. Vehar Pumping Station having a 1800 H.P. pumping capacity was worked for 5700 hours during the year.

The work of testing small sized galvanised iron pipes and fittings was carried out at Water Works Chatkopar Workshop. Revenue from the testing of pipes, fittings, etc. submitted by the private parties amounted to about Rs. 46,900.

With the exceptions of few free stand pipes, municipal properties, benevolent and charitable Institutions water is supplied to all the properties in the Suburbs and Extended Suburbs through metered connections.

There is a Meter Workshop at Chatkopar where meters are tested, cleaned, overhauled and repaired. In all 4,331 municipal meters were repaired and about 21,400 municipal meters were maintained during the year.

Detailed of Plant and Machinery maintained during the year are shown in Appendix XIII.

Maintenance of Plant & Machinery.

XVI—CONSTRUCTION DIVISION (SUBURBS AND EXTENDED SUBURBS)

The Construction Division carried out the works of laying water mains, making cross connections, shifting of mains in the carriageways, repairs to major bursts, making new connections above 50 mm. (2"), construction of pump houses etc.

Details of water mains of sizes 80 mm. (3") and above laid during the year are given in Appendix XXI.

D. R. BHISE,
B.E. (Civil), M.I.E. (India),
Hydraulic Engineer.

APPENDIX I
Statistics of the Lakes for 1967-68

Serial No.	Particulars	Vaitarna	Tansa	Vehar	Tulsi	Powai
1	Distances from Bombay (Town Hall) in Kilo Metres (miles) by road.	119.09 (74)	106.21 (66)	28.96 (18)	35.40 (22)	27.35 (17)
2	Waterspread at full supply level in square kilometres (square miles).	8.55 (3.30)	19.11 (7.38)	7.28 (2.81)	1.35 (0.52)	2.10 (0.81)
3	Total catchment areas in square Kilometres (square miles) ...	450.66 (174.00)	135.98 (52.50)	18.96 (7.32)	6.76 (2.61)	6.68 (2.58)
4	Total rainfall in Millimetres (Inches) ...	2,519.20 (99.17)	2,653.50 (104.44)	2,083.81 (82.00)	2,501.72 (98.45)	2,177.41 (85.71)
5	Average rainfall of the preceding five years in Millimetres (Inches).	2,610.32 (102.75)	2,615.34 (102.95)	2,297.36 (90.42)	2,856.05 (113.44)	2,348.79 (92.43)
6	No. of rainy days, [rainfall of 2.5 mm. (0.10") and above]...	86	86	86	79	77
7	Fluctuation in rainfall as compared with preceding 5 years in Millimetres (Inches).	-3.58	+1.49	8.42	14.99	-6.72
8	(a) Number of days in which rainfall was moderate [between 10 mm (0.39") and 30 mm (1.18")].	25	30	18	21	16
	(b) Number of days in which rainfall was heavy [between 70 mm. (2.76") to 80 mm. (3.15")].	2	...	2	...	...
	(c) Number of days in which rainfall was very heavy between 90 mm. (3.54") and above..	6	6	3	2	3
9	Maximum rainfall in millimetres (Inches) ...	162.80 (6.10)	270.00 (10.63)	201.67 (8.33)	182.88 (7.20)	195.58 (8.09)
10	Dates of maximum rainfall ...	29-7-1968	27-7-1968	29-7-1968	29-7-1968	29-7-1968
11	The lakes commenced to overflow when the rainfall amounted to mms. (inches).	1,116.30 (43.94)	1,355.40 (53.40)	...	1,562.10 (61.50)	1,786.26 (70.61)
12	Dates on which the lakes started overflowing ...	25-7-1967	27-7-1967	...	28-7-1967	27-7-1967
13	Dates on which the lakes stopped overflowing ...	21-10-1967	28-9-1967	...	1-9-1967	6-9-1967
14	Number of days the lakes overflowed ...	89	18	...	35	44
15	Quantity of water that overflowed over the waste weir in Mega Litres (Million gallons) ...	48,61,203.44 (1,69,347.00)	73,919.71 (16,261.48)	...	4,307.42 (947.53)	6,975.68 (1,534.49)
16	Full supply levels of the lake above Town Hall Datum in Metres (Feet).	162.64 (535.00)	128.29 (422.00)	80.47 (264.70)	138.81 (456.60)	59.28 (195.00)
17	Total contents of the lake above the lowest outlet at full supply level in Mega Litres (Million Gallons).	1,80,293.00 (39,660)	1,84,838 (40,660)	41,823 (9,200)	10,428 (2,294)	5,455 (1,200)
18	Highest levels above Town Hall Datum during the year in Metres (Feet).	163.27 (535.70)	128.69 (422.23)	77.39 (253.95)	139.47 (457.60)	59.61 (195.60)
19	Dates on which the highest level was reached ...	27-7-1967	23-7-1967	31-8-1967	29-7-1967	29-7-1967
20	Levels of the lowest outlets in Metres (Feet) ...	126.73 (416.88)	114.30 (375.00)	71.07 (230.50)	121.22 (397.75)	53.20 (175.00)
21	Lowest levels above T.H.D. reached during the year in Metres (Feet).	139.33 (457.14)	119.60 (372.44)	73.19 (240.15)	132.75 (435.58)	54.86 (180.10)
22	Dates on which the lowest levels were reached ...	13-6-1967	13-6-1967	17-6-1967	17-6-1967	13-6-1967
23	Contents of the lakes above the lowest outlets at the lowest level reached in Mega Litres (Million Gallons).	35,394.84 (7,785.00)	47,676.23 (10,536.00)	8,510.02 (1,872.00)	3,582.22 (738.00)	495.51 (109.60)
24	Lake levels above T. H. D. in Metres (Feet) on 1st October 1966.	163.13 (535.26)	128.45 (421.45)	77.20 (253.31)	133.93 (455.85)	59.42 (194.97)
25	Contents of the lakes above the lowest outlet in Mega Litres (Million Gallons) on 1st October 1967.	1,80,292.76 (39,663)	1,81,665.65 (39,962)	24,143.56 (5,311)	10,119.29 (2,226)	5,446.00 (1,198)
26	Quantity of water required to fill up the lakes, to full supply level from the lowest level reached in Mega Litres (Million Gallons).	1,44,978.16 (31,874)	1,36,141.77 (30,124)	33,312.77 (7,328)	6,845.77 (1,506)	4,959.00 (1,091)
27	Percentage run off into the lakes from the catchment as per rainfall registered at the lakes.	89.30	53.40	69.80	74.70	...
28	Quantity of water brought into the City and Suburbs including Extended Suburbs during the year in Mega Litres (Million Gallons).	...	2,94,717.58 (62,630.80)	22,969.82 (5,052.80)	5,158.79 (1,134.80)	...
29	Average quantity of water brought into the City and Suburbs including Extended Suburbs per day in Mega Litres (Million gallons).	...	787.03 (171.59)	62.90 (13.34)	14.09 (3.10)	...
30	Total loss of water due to evaporation leakage and absorption in Mega Litres (Million gallons) during the dry-period of 7 months.	...	18,571.75 (4,035.43)	8,673.74 (1,892.62)	2,036.58 (448.00)	...
31	Average loss of water per day due to evaporation and other losses during the dry months in Mega Litres (Million Gallons)	...	87.09 (19.16)	40.76 (8.97)	9.63 (2.12)	...
32	Total loss of water due to evaporation only in Mega Litres (Million gallons) for 7 dry months of the year	4,942.86 (1,083.03)	12,772.87 (2,814.13)	3,639.49 (8,062)	919.16 (202.20)	...
33	Average loss of water per day due to evaporation only in mega Litres (Million Gallons) for the 7 dry months of the year.	23.13 (5.09)	60.04 (13.21)	17.09 (3.76)	4.32 (0.95)	...

APPENDIX—II

Statement showing Evaporation Losses of different lakes during the year 1967-68

Month	Evaporation in Metres				Evaporation in Mega-Litres			
	Vaitarna	Tansa	Vehar	Tulsi	Vaitarna	Tansa	Vehar	Tulsi
April 1967 ...	0.142 (0.466 ft.)	0.131 (0.431 ft.)	0.146 (0.482 ft.)	0.123 (0.404 ft.)	765.43 (168.28 M.G.)	1734.44 (381.58 M.G.)	582.91 (128.23 M.G.)	115.01 (25.30 M.G.)
May 1967 ...	0.137 (0.450 ft.)	0.168 (0.554 ft.)	0.179 (0.590 ft.)	0.156 (0.512 ft.)	630.87 (138.78 M.G.)	2055.13 (452.08 M.G.)	646.79 (142.28 M.G.)	137.69 (30.29 M.G.)
June 1967 ...	Not recorded				Not recorded.			
July 1967 ...								
August 1967 ...								
September 1967 ...								
October 1967 ...	Not recorded				Not recorded.			
November 1967 ...								
December 1967 ...								
January 1968 ...								
February 1968 ...	0.112 (0.368 ft.)	0.090 (0.297 ft.)	0.110 (0.362 ft.)	0.109 (0.358 ft.)	672.02 (147.83 M.G.)	1,475.16 (354.50 M.G.)	471.94 (103.82 M.G.)	114.19 (25.12 M.G.)
March 1968 ...	0.131 (0.432 ft.)	0.126 (0.414 ft.)	0.139 (0.458 ft.)	0.137 (0.451 ft.)	671.43 (147.70 M.G.)	1,991.84 (324.50 M.G.)	594.87 (130.86 M.G.)	136.47 (30.02 M.G.)
	0.818 (2.689 ft.)	0.828 (2.728 ft.)	0.885 (2.918 ft.)	0.830 (2.891 ft.)	4932.86 (1085.03 M.G.)	12792.87 (2814.13 M.G.)	3639.49 (800.62 M.G.)	919.16 (202.20 M.G.)

Grand Total—22,284.38 Mega Litres (4901.93 Million Gallons) in dry season for all Lakes.

104.59 Mega Litres (23.01 Million Gallons) per day for all Lakes.

23.13 Mega Litres (5.09 Million Gallons) per day for Vaitarna.

60.04 Mega Litres (13.21 Million Gallons) per day for Tansa.

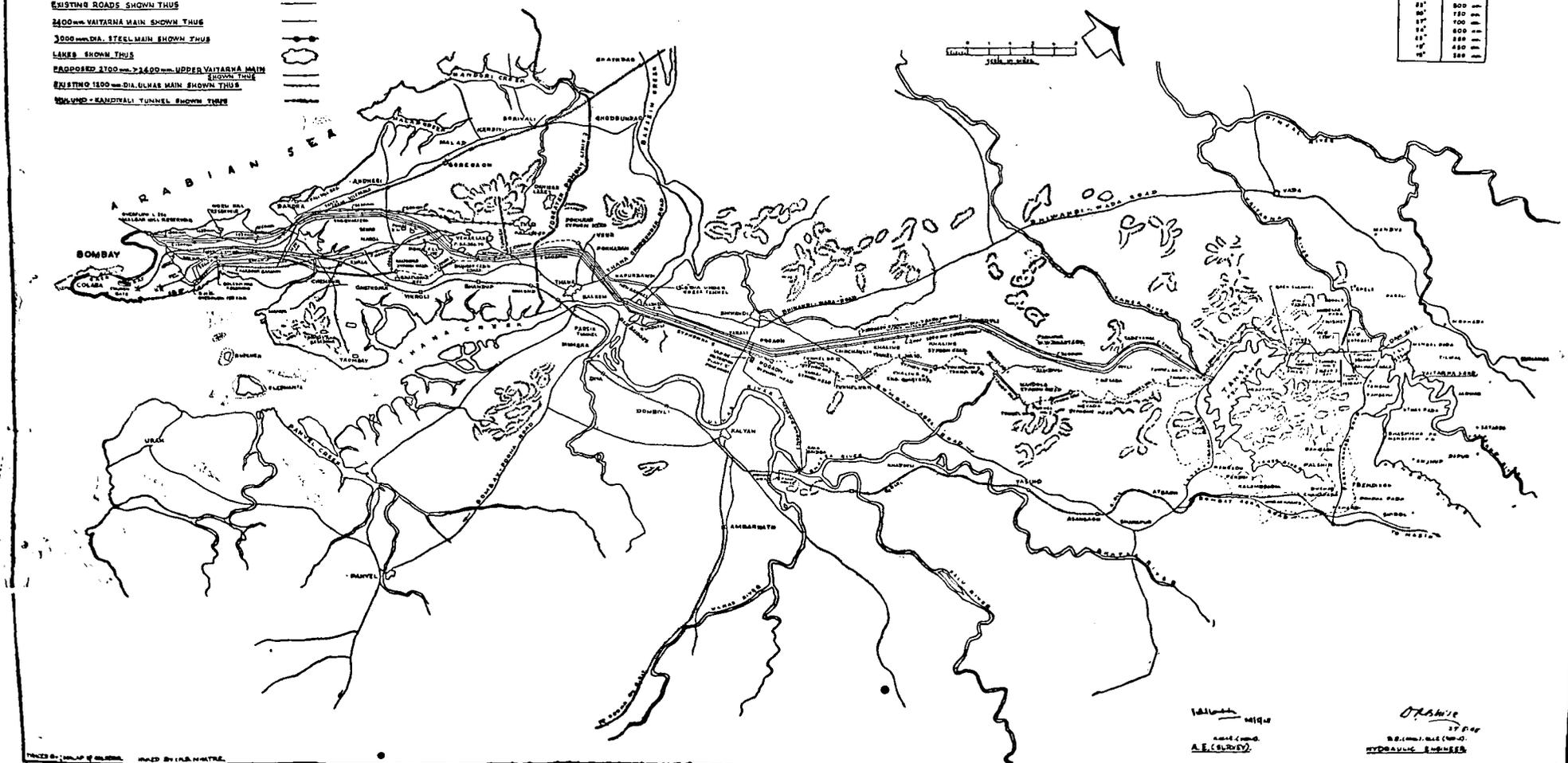
17.09 Mega Litres (3.76 Million Gallons) per day for Vehar.

4.32 Mega Litres (0.95 Million Gallons) per day for Tulsi.

LAKES & TRUNK MAINS PROVIDING WATER SUPPLY TO GREATER BOMBAY

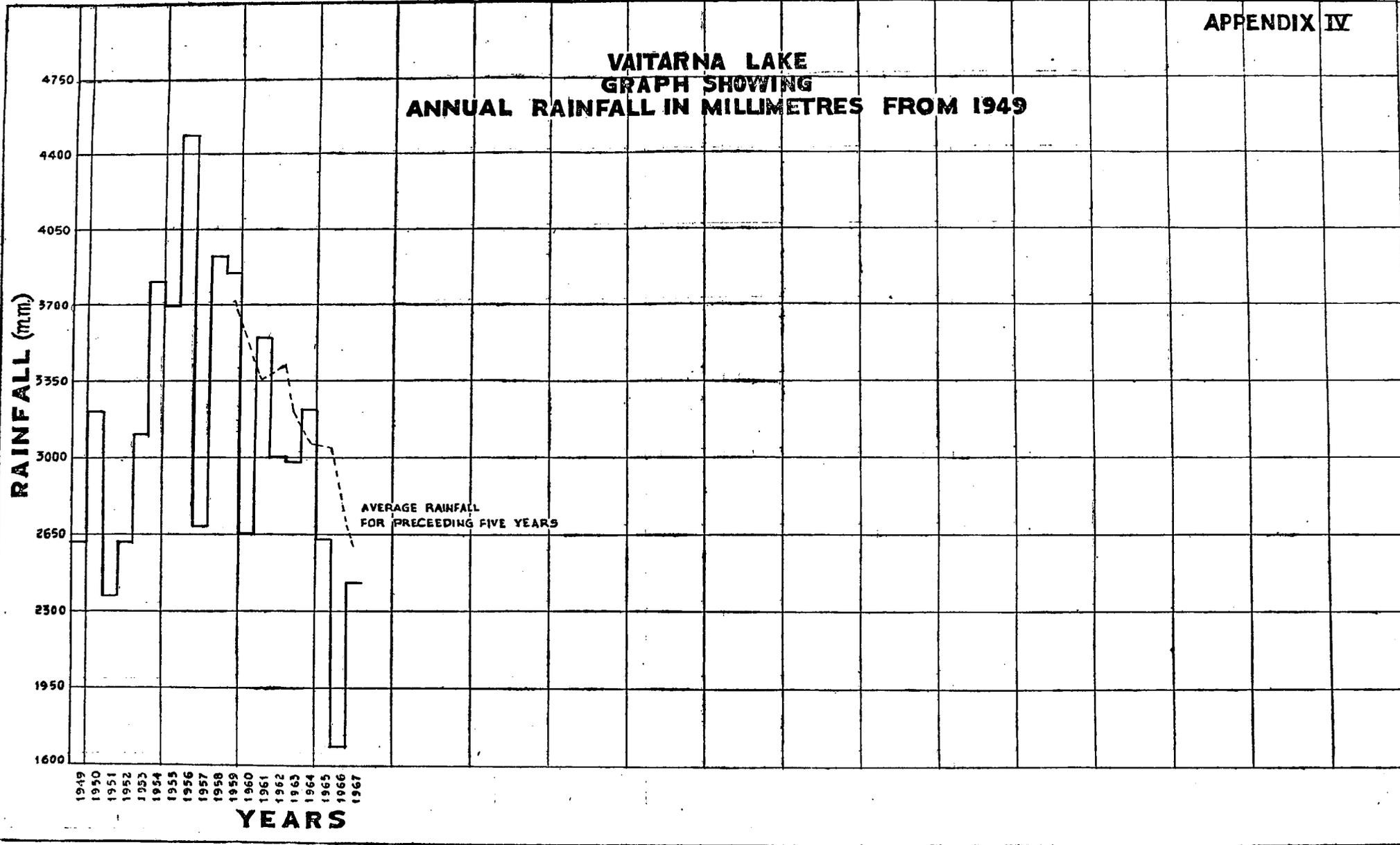
- NOTES.**
- 2-1900mm DIA. TANSA MAIN SHOWN THUS
 - MAEONBY DUCT V. LYPHON LINE SHOWN THUS
 - 1500mm DIA. VEHAR MAIN SHOWN THUS
 - 1000mm DIA. TULSI MAIN SHOWN THUS
 - WORE SHRE SECTION (7.71 KM. METRE) TUNNEL SHOWN THUS
 - TANSA-DELNALA ROAD SHOWN THUS
 - EXISTING ROADS SHOWN THUS
 - 2400mm DIA. VAIYANA MAIN SHOWN THUS
 - 3000mm DIA. STEEL MAIN SHOWN THUS
 - LAKES SHOWN THUS
 - PROPOSED 1100mm > 2400mm UPPER VAIYANA MAIN SHOWN THUS
 - EXISTING 1800mm DIA. ULHAS MAIN SHOWN THUS
 - MALINDI-KANDIVALI TUNNEL SHOWN THUS

DIAM. (CM)	DIAM. (INCH)
120	3000 mm
108	2700 mm
96	2400 mm
72	1800 mm
60	1500 mm
48	1200 mm
36	900 mm
24	600 mm
18	450 mm
12	300 mm

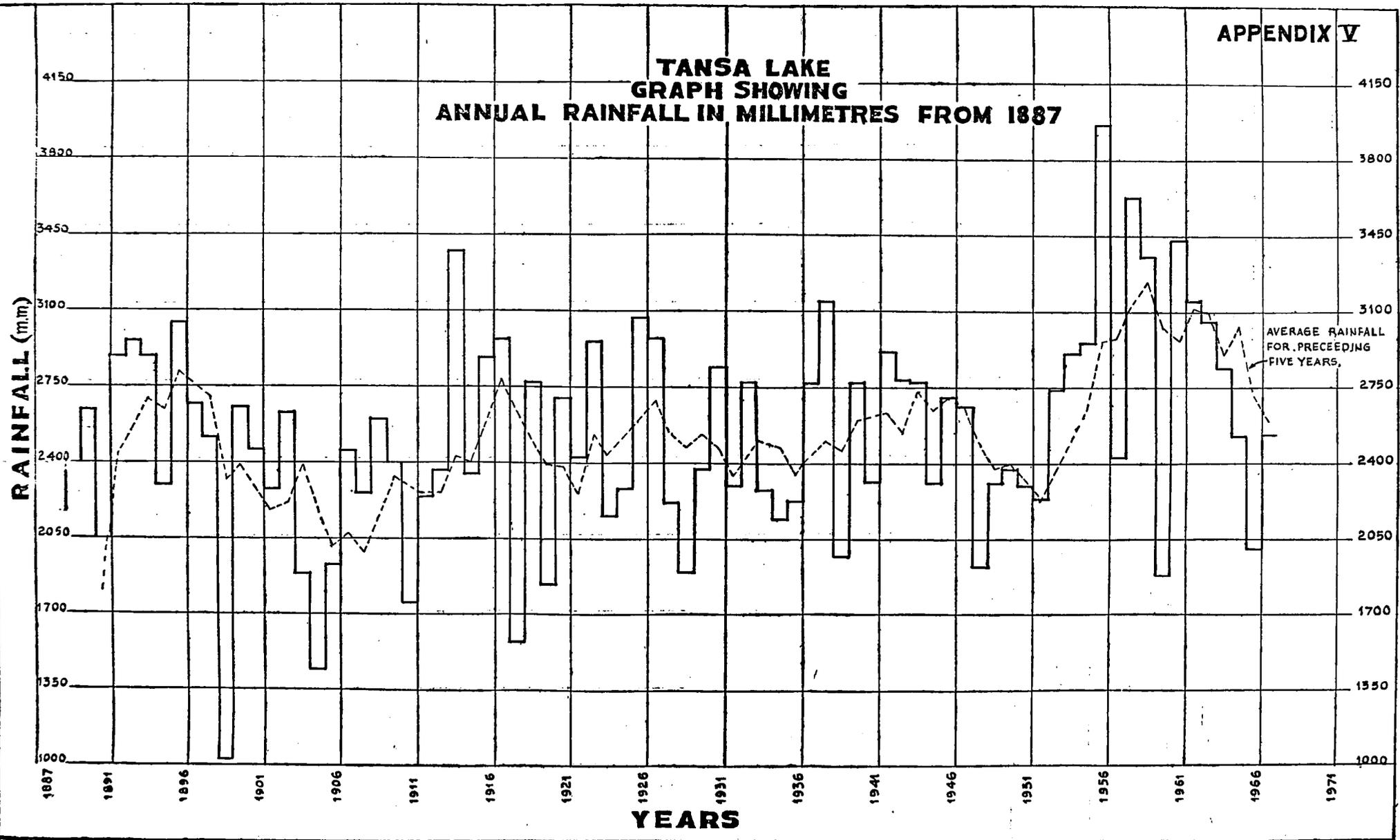


Prepared by
 A. E. CURRY
 Hydraulic Engineer

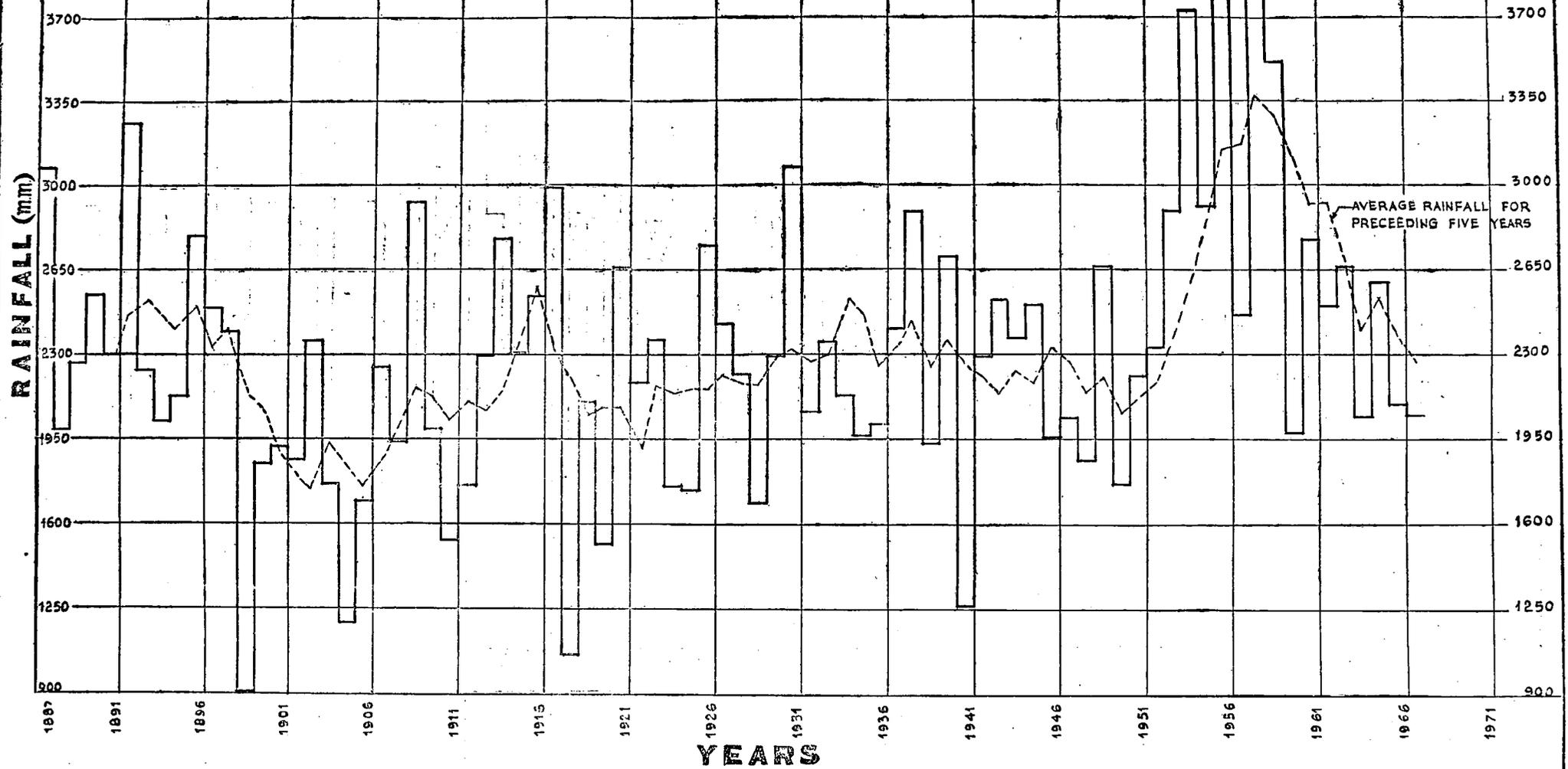
**VAITARNA LAKE
GRAPH SHOWING
ANNUAL RAINFALL IN MILLIMETRES FROM 1949**



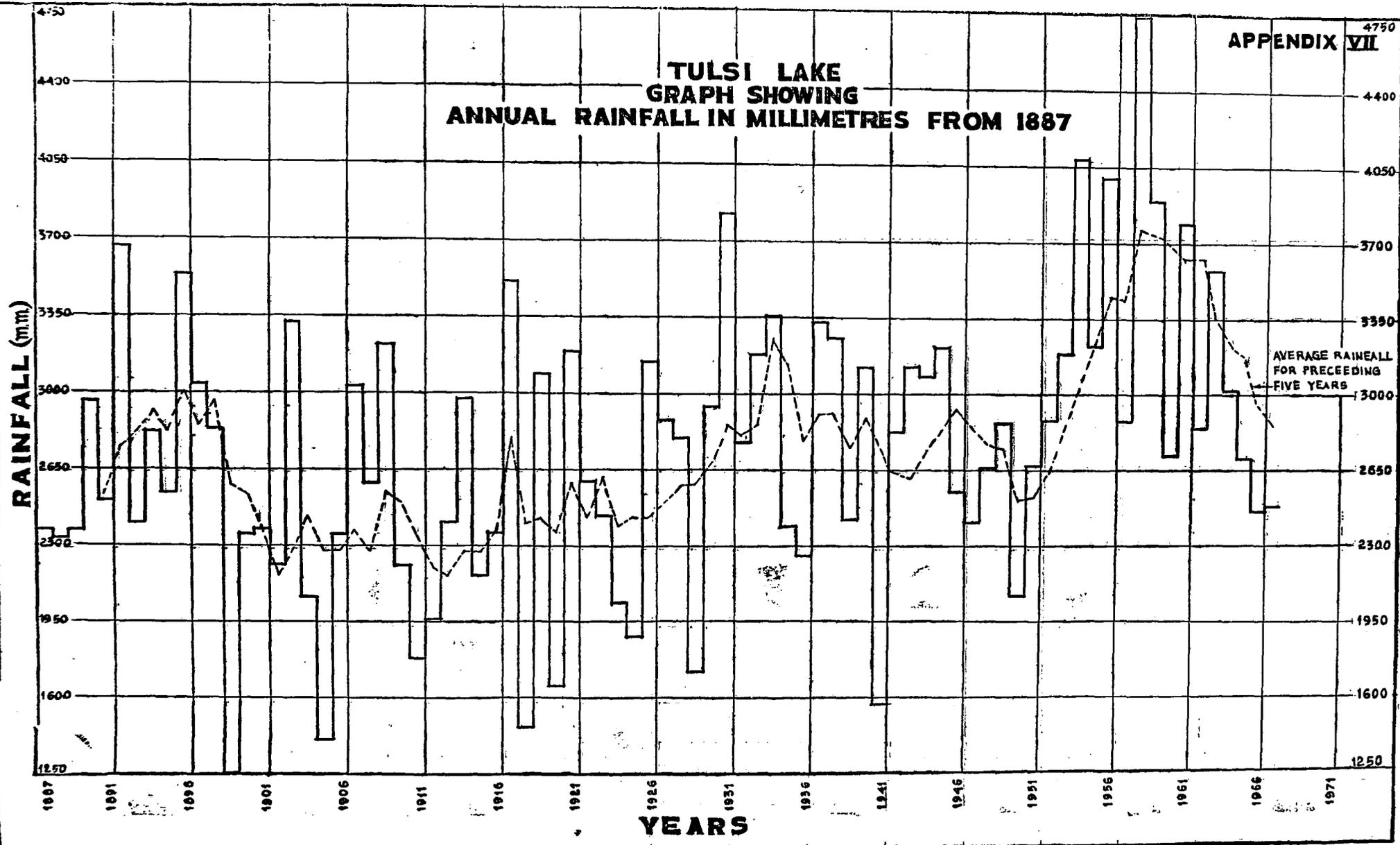
TANSA LAKE GRAPH SHOWING ANNUAL RAINFALL IN MILLIMETRES FROM 1887



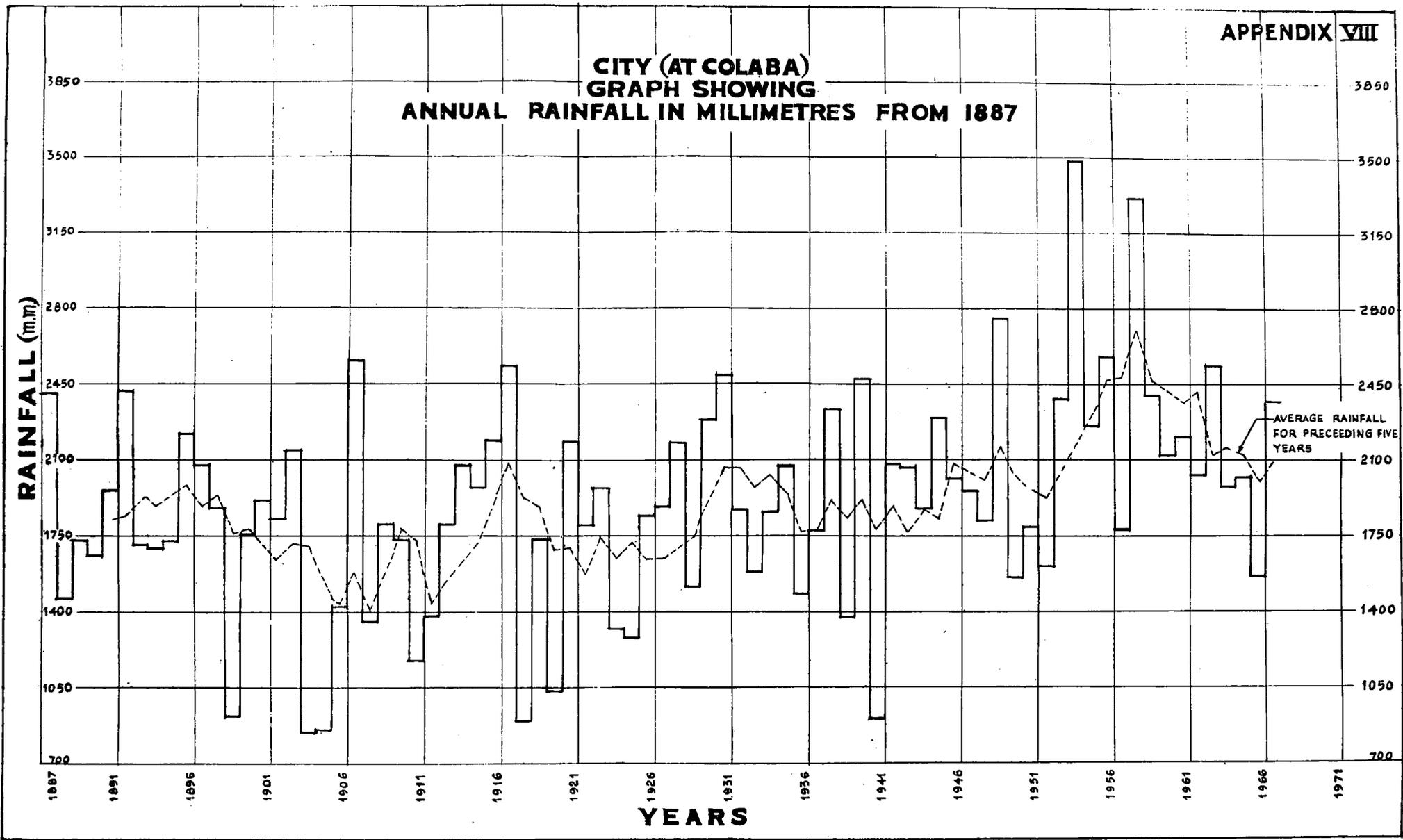
**VEHAR LAKE
GRAPH SHOWING
ANNUAL RAINFALL IN MILLIMETRES FROM 1887**



TULSI LAKE GRAPH SHOWING ANNUAL RAINFALL IN MILLIMETRES FROM 1887



**CITY (AT COLABA)
GRAPH SHOWING
ANNUAL RAINFALL IN MILLIMETRES FROM 1887**



APPENDIX IX
Supply Statistics (1967-68)

(1) Quantity of water supplied to the Greater Bombay during the year in Mega Litres	...	...	...	...	3,43,129.11 (75,480.00 M.G.)
(2) Quantity of water supplied to the City proper during the year in Mega Litres	...	...	...	...	2,18,706.04 (48,110.00 M.G.)
(3) Quantity of water supplied to the Greater Bombay during the previous year in Mega Litres...	...	...	...	...	3,35,033.55 (73,699.19 M.G.)
(4) Decrease over the previous year's supply in Greater Bombay in Mega Litres	...	...	...	...	8,091.67 (1,780.81 M.G.)
(5) Quantity of water supplied to the Thana Municipality, Nowpada and Kopri Colony in Mega Litres, not included in Item No. (1) above	...	...	...	...	4,662.08 (1,025.51 M.G.)
(6) Total quantity of water supplied to all concerns outside the limits of Greater Bombay, in Mega Litres including Item No. (5) above	...	...	...	...	11,150.33 (2,452.76 M.G.)
(7) Average daily supply during the year to City proper in Mega Litres...	...	...	...	...	641.42 (141.10 M.G.)
(8) Average daily supply during the year to Western Suburbs in Mega Litres	...	...	...	...	149.24 (32.83 M.G.)
(9) Average daily supply during the year to Eastern Suburbs in Mega Litres	...	...	...	...	100.03 (22.06 M.G.)
(10) Average daily supply during the year to Extended Suburbs West in Mega Litres	...	...	...	...	51.09 (11.09 M.G.)
(11) Average daily supply during the year to Extended Suburbs East in Mega Litres	...	...	...	...	5.81 (1.28 M.G.)
(12) Average daily supply during the year in Greater Bombay in Mega Litres	...	...	...	...	947.59 (208.36 M.G.)
(13) Decrease over previous year's average daily supply to Greater Bombay in Mega Litres	...	...	...	...	29.31 (6.45 M.G.)
(14) Estimated mid year (1967-68) population of City as given by Director of Public Health, Government of Maharashtra	...	...	...	...	35,84,000
(15) Do. Suburbs Do.	...	...	...	...	13,40,000
(16) Do. Extended Suburbs Do.	...	...	...	...	4,44,000
(17) Do. Greater Bombay Do.	...	...	...	...	53,68,000
(18) The maximum supply per day during the year on 29th April 1967 in Mega Litres	...	...	...	...	928.73 (204.30 M.G.)
(19) The minimum supply per day during the year on 28th Sept. 1967 in Mega Litres	...	...	...	...	747.80 (164.50 M.G.)
(20) Total quantity of water conveyed by the two 72" dia. and one 96" dia. mains during the year in Mega Litres including 11,150.33 M.L. (2,452.76 M.G.) tapped outside Greater Bombay and 30,246.53 M.L. (6,653.57 M.G.) tapped upstream of Powai Venturi at Mulund	...	...	...	...	3,26,197.00 (71,735.53 M.G.)
(21) Average quantity of water conveyed daily by the two 1800 mm. (72") and one 2400 mm. (96") dia. mains in Mega Litres	...	...	...	...	40.00 (8.80 M.G.)
(22) Total quantity of water transferred from Duct to Vehar in Mega Litres	...	...	...	...	Nil
(23) Total quantity of water transferred (by pumping) from Ulhas River to Vehar in Mega Litres	...	...	...	...	16,672.00 (3,667.00 M.G.)
(24) Total quantity of water transferred from Vajitarna to Tansa in Mega Litres	...	...	...	...	91,937.00 (20,235.00 M.G.)
(25) Total quantity of water transferred from 2,400 mm. (96") main to Vehar in Mega Litres	...	...	...	...	Nil
(26) Total quantity of water conveyed by the Duct during the year in Mega Litres	...	...	...	...	Nil
(27) Average quantity of water conveyed daily by the Duct in Mega Litres	...	...	...	...	Nil

APPENDIX IX—concl'd.

(28) Total quantity of water conveyed by 1,200 mm. (48") dia. Vihar main during the year in Mega Litres	...	...	...	22,969.82 (5,052.00 M.G.)
(29) Average quantity of water conveyed by 1,200 mm. (48") diam. Vihar main during the year in Mega Litres	...	...	...	62.90 (13.84 M.G.)
(30) Total quantity of water conveyed by 600 mm. (24") diam. Tulsi main during the year in Mega Litres	...	...	...	5,158.89 (1,134.80 M.G.)
(31) Average quantity of water conveyed daily by 600 mm. (24") Tulsi main during the Mega Litres	...	...	...	14.09 (3.10 M.G.)
(32) Quantity of water supplied for domestic purposes during the year to City in Mega Litres	...	...	...	1,12,243.99 (24,690.90 M.G.)
(33) Quantity of water supplied for domestic purposes during the year to the Suburbs in Mega Litres	...	...	...	61,657.57 (13,653.11 M.G.)
(34) Quantity of water supplied for domestic purposes during the year to the Extended Suburbs in Mega Litres	...	...	...	12,472.89 (2,743.73 M.G.)
(35) Quantity of water supplied for domestic purposes during the year to Greater Bombay in Mega Litres	...	...	...	1,86,374.45 (40,997.74 M.G.)
(36) Average quantity of water supplied for domestic purposes per head per day to the City in Litres	...	...	...	85.45 (18.80 gallons.)
(37) Average quantity of water supplied for domestic purposes per head per day to Suburbs in Litres	...	...	...	125.87 (27.69 gallons.)
(38) Average quantity of water supplied for domestic purposes per head per day to the Extended Suburbs in Litres...	...	...	...	76.86 (16.91 gallons.)
(39) Average quantity of water supplied for domestic purposes per head per day to Greater Bombay in Litres	...	...	...	95.10 (20.92 gallons)
(40) Average daily supply for all purposes per head per day to the City in Litres	...	...	...	167.15 (36.77 gallons.)
(41) Average daily supply for all purposes per head per day to the Suburbs in Litres	...	...	...	212.65 (46.78 gallons.)
(42) Average daily supply for all purposes per head per day to the Extended Suburbs in Litres	...	...	...	125.28 (27.56 gallons.)
(43) Average daily supply for all purposes per head per day to Greater Bombay in Litres	...	...	...	175.05 (38.51 gallons.)
(44) Percentage of water supplied for domestic purposes to total supply in Greater Bombay	...	...	...	54.00
(45) Percentage of water supplied for other purposes to total supply in Greater Bombay	...	...	...	31.00

APPENDIX X

Statement showing the quantity of Municipal water used for different purposes during the year 1967-68 for City, Suburbs and Extended Suburbs.

Serial No.	Particulars	CITY			SUBURBS			EXTENDED SUBURBS			Remarks
		Quantity in Mega Litres	Quantity in Million gallons	Percentage	Quantity in Mega Litres	Quantity in Million gallons	Percentage	Quantity in Mega Litres	Quantity in Million gallons	Percentage	
1	Milch Cattle Stables ...	14.26	3.14	0.01	1,371.01	301.59	1.32	329.49	74.68	6.17	
2	Other Stables ...	2.81	5.46	0.01	...	...	...	...	...	...
3	Textile Mills ...	2,402.18	4,707.96	9.14	618.10	135.97	0.59	22.86	5.03	0.11	
4	Dyeing, Printing Bleaching Mills ...	1,901.61	418.31	0.81	527.95	116.14	0.51	86.55	19.04	0.43	
5	Cymkhanas, Play Grounds, etc. ...	139.32	30.65	0.06	159.51	35.09	0.15	0.22	0.05	0.00	
6	Race Course ...	1,367.56	300.3	0.58	...	...	...	...	...	...
7	Industries ...	24,211.74	5,325.99	10.32	11,972.65	2,633.58	11.50	1,663.79	365.99	8.19	
8	Laundries and Dhobi Ghata ...	3,095.89	681.02	1.32	286.43	63.01	0.28	5.00	1.10	0.02	
9	Lodging and Boarding Houses ...	655.97	144.30	0.28	161.70	35.57	0.15	14.94	3.29	0.07	
10	Hotels ...	1,095.88	241.07	0.47	30.77	6.77	0.03	...	...	...
11	Restaurants ...	1,958.66	430.86	0.84	973.85	214.22	0.94	166.34	36.59	0.82	
12	Floor Mills ...	77.55	17.06	0.03	0.81	0.18	0.00	...	...	...
13	Private Hospitals ...	536.23	117.96	0.23	89.37	19.66	0.09	29.40	6.47	0.15	
14	Railways ...	5,701.63	1,254.22	2.43	3,262.85	717.74	3.13	358.98	78.97	1.75	
15	Bombay Port Trust ...	6,714.65	1,477.07	2.86	386.49	85.02	0.37	...	...	...
16	Private Markets ...	78.87	17.35	0.05	24.09	5.30	0.02	1.27	0.28	0.00	
17	Bakeries ...	201.92	44.20	0.09	72.50	15.95	0.07	7.08	1.56	0.03	
18	B. E. S. & T. Undertaking properties ...	838.85	184.53	0.36	75.13	16.53	0.07	85.00	18.70	0.42	
18A	B. S. E. S. properties ...	...	...	...	28.49	6.27	0.03	9.86	2.17	0.05	
19	Municipal Dhobighat ...	482.04	106.04	0.21	...	...	...	...	...	...
20	Cultivating lands ...	3.63	0.80	0.00	21.77	4.79	0.02	...	...	...
21	Construction Works (Metered) ...	989.56	217.68	0.42	861.18	189.44	0.83	420.77	92.56	2.07	
22	Construction Works (Unmetered Estimated) ...	1,978.93	427.72	0.83	...	...	...	...	...	...
23	Aarey Colony ...	153.55	33.78	0.06	...	...	...	1,568.47	345.02	7.72	
24	Fertilizer Corporation ...	...	...	...	3,600.23	791.96	3.46	...	...	...
25	Refineries ...	...	...	...	2,002.19	440.43	1.94	...	...	...
Total supply for Industrial and Trade purposes ...		73,594.18	16,189.00	31.41	26,527.07	5,835.31	25.50	4,780.02	1,051.50	21.50	
26	Fire purposes ...	3.39	0.79	0.00	1.59	0.35	0.00	0.09	0.02	0.00	
27	Municipal Construction Works ...	53.63	11.81	0.02	172.70	37.99	0.16	10.13	2.23	0.06	
28	Road watering cleaning and cleansing and flushing gullies ...	Nil	Nil	...	Nil	Nil	...	...	Nil	...	
28A	Municipal Markets ...	2.27	0.50	0.00	128.37	28.24	0.11	6.90	1.52	0.03	
Total Supply for Non-domestic purposes ...		73,653.67	16,202.10	31.43	26,829.73	5,901.89	25.77	4,797.14	1,055.27	21.60	
29	Domestic supply to City Suburbs and Extended Suburbs ...	...	...	...	...	...	...	...	...	...
(a)	Metered including residential ...	41,455.22	9,119.10	17.67	57,239.73	12,591.29	55.00	42,150.99	9,262.92	59.81	
(b)	Unmetered ...	73,788.77	15,571.80	35.90	4,417.84	971.82	4.23	321.90	70.81	1.69	
30	Assumed unaccounted losses such as leakage, bursts, de-watering of mains during construction and repairs works, unauthorised use of fire hydrants... ..	32,808.38	7,217.00	15.00	15,615.40	3,435.00	15.00	3,050.34	671.00	15.00	
Grand total ...		2,18,706.04	48,110.00	100.00	1,04,102.70	22,900.00	100.00	20,320.37	4,470.00	100.00	

Note 1:—The total quantity of water supplied to the City, Suburbs and Extended Suburbs, i.e. Greater Bombay was 3,43,129.11 Mega litres (75,480.00 M. G.).

Per capita consumption for domestic purposes for City Suburbs and Extended Suburbs is 85.45 Litres (18.80 gallons), 125.87 Litres (27.69 gallons), 76.86 Litres (16.91 gallons).

* The per capita consumption is based on the estimated mid year (1967-68) population as given by the Director of Public Health, Government of Maharashtra, (Vide Items 14 to 17 of Appendix IV).

APPENDIX XI

Details of the Hydraulic Gates in the Head Works Division

Place.	Where fitted.	Nos.	Type.	Size.	Maximum head of operation
Vaitarna	Spillway	4	Tainter gates (electrically operated).	40'×26'	26.5 feet.
"	Do.	4	Tainter Gates (Buoyancy operated).	"	25.40 feet.
"	Under Sluices	2	Stoney gates (Main).	15'-6"×6'-6"	167.00 feet.
"	Do.	1	Circulating rollers type.	19'-6"×6'-6"	Balanced load operation.
"	Intake Tower	1	Stoney gate. (Main).	13'-0"×6'-6"	128.5 feet.
"	Do.	1	Circulating roller type (emergency).	16'-6"×6'-5½"	Do.
Bell-nalla	Bifurcation Chamber.	2	Do.	13'-1¼"×7'-6"	Do.
Tansa	Automatic Shutters (with concrete counterweights) spillway.	38	Automatic shutters	50'×4'	4 feet.

APPENDIX XII

Statistics of trunk mains embankments, culverts and bridges, etc.

	Head Works--Division.		Outside City Division Kilometres (Miles).	Ulhas Water Works	Total Kilometres (Miles).
	Vaitarna. Kilometres (Miles).	Tansa. Kilometres. (Miles)			
(1) Length of steel mains	0.30 (0.19)	58.74 (36.50)	55.10 (34.23)	168.60 (104.75)	282.70 (175.67)
(2) Length of C.I. Mains	...	...	50.95 (31.65)	26.70 (16.58)	77.65 (48.25)
(3) Length of Masonry duct	...	12.06 (7.50)	2.04 (1.24)	23.30 (14.47)	37.07 (23.04)
(4) Length of Tunnels	6.22 (3.88)	3.04 (1.89)	0.90 (0.50)	3.60 (2.23)	13.67 (8.50)
(5) Length of embankments	...	16.09 (10.00)	64.66 (38.92)	49.4 (30.68)	129.95 (80.75)
(6) Length of Trolley Tracks...	...	16.09 (10.00)	62.66 (38.92)	52.40 (32.35)	131.15 (81.50)
(7) Bridges and Culverts	2 Nos.	54 Nos.	309 Nos.	244 Nos.+1 No. = 245 Nos.	365 Nos.
(8) Length of Ulhas Steel mains between Mohone and Pogaon	...	...	...	13.30 (8.08)	13.00

APPENDIX XIII]

Statement showing Plant and Machinery maintained in various divisions.

Serial No.	Particulars	Works Division	Outside City Division	Maintenance Branch City	Head Works	A.E.M. (Suburbs)	A.E.C. Zone II & III	Total
1	Diesel truck	---	1	4	1	---	---	6
2	Portable diesel driven welding set	---	---	1	---	---	---	1
3	Portable welding transformer	---	1	2	1	---	2	7
4	Portable compressor unit	1	1	3	---	---	---	6
5	Garage air compressor	---	1	3	1	2	---	6
6	Portable 6" Pumping Unit	3	1	3	---	2	2	9
7	Portable 2" Pumping Unit	---	5	4	---	3	---	12
8	Portable 3" Pumping Unit	---	1	4	---	3	---	8
9	Portable 4" Pumping Unit	4	2	6	---	7	---	15
10	Portable Generating Set 1.5 KW (Petrol)	---	1	1	---	1	---	3
11	Portable Generating Set 75 KW (Diesel)	---	3	2	---	---	---	5
12	Portable Concrete Mixer	---	3	1	---	---	---	4
13	Sump Pump Portable (Pneumatic)	---	1	---	---	---	---	2
14	Lathe Machines	---	3	3	---	---	---	6
15	Batter Charger	---	2	2	---	---	---	4
16	Radial Drilling Machine	---	1	1	---	---	---	2
17	Shaping Machine	---	2	1	---	---	---	3
18	Electric Blower Unit for Smithy Shop	---	1	1	---	---	---	2
19	Hack Saw Machine	---	1	1	---	---	---	2
20	Pedestal Drilling Machine	---	1	1	---	---	---	2
21	Grinding Machine (Beuch Type)	---	2	2	---	---	---	2
22	Flexible Grinding Machine (Portable)	---	1	1	---	---	---	4
23	Booster Pump (Electric)	---	---	33	---	---	---	33
24	Booster Pump (Diesel)	---	---	3	---	---	---	3
25	Hydraulic Testing Machine	---	---	3	---	---	---	3
26	Portable Chlorination Plant	---	---	5	---	2	1	9
27	Pipe-cutting machine	---	---	7	---	---	---	7
28	Permanent Chlorination Plant	---	---	5	---	---	---	5
29	Carpentry Lathe	---	---	1	---	---	---	1
30	Multi-purpose carpentry machine	---	1	1	---	---	---	2
31	Mechanical Force Hammer	---	1	1	---	---	---	2
32	Threading machine (Electrical)	---	---	1	---	---	---	1
33	Gas Cutting Machine	---	1	1	---	---	---	1
34	Flow Recorder	---	---	1	---	---	---	1
35	Tool grinder (Pneumatic)	1	---	---	---	---	---	1
36	Portable Test Pitmer Recorder	---	---	1	---	---	---	1
37	Hand Punching Machine	---	---	1	---	---	---	1
38	Pipe Bending machine	1	---	1	---	---	---	1
39	Scraping machine	---	---	1	---	1	1	1
40	Power Hammer	---	---	1	---	---	---	1
41	Paving Board	4	---	---	---	7	---	11
42	Portable dewatering pumps 2"	---	---	---	---	4	1	5
43	do. 3"	---	---	---	---	4	1	5
44	do. 4"	---	---	---	---	7	1	8
45	do. 6"	---	---	---	---	2	---	2
46	Portable lighting set	---	---	---	---	1	---	1
47	Portable arcwelding set	6	6	---	---	---	3	15
48	Portable 6" Pumping Unit	3	---	---	---	---	---	3
49	Mechanical Jack Hammer	3	---	---	---	---	---	3
50	Pile driver	2	---	---	---	---	---	2
51	Mobile Crane	1	---	---	---	---	---	3
52	Timber piledriver	---	---	---	---	---	---	1
53	Bar bending machine	1	---	---	---	---	---	1
54	Concrete vibrator	1	1	---	---	---	---	2
57	Cement gun	2	---	---	---	---	---	2
58	Petrol driven motor trolleys	---	14	---	---	---	---	14
59	Diesel Rai Locomotives	---	2	---	---	---	---	2
60	Jeep	---	1	---	1	---	---	2
61	Out board Petrol Engine for Boats	---	5	---	2	---	---	7
62	In board Petrol Engine for Boats	---	1	---	---	---	---	1
63	Boats for Vehar, Powai & Tulsi	---	3	---	---	---	---	3
64	Diesel drive pumping unit 10 HP.	---	1	---	---	---	---	1
65	Hydraulic trolley vack 10 Ton Capacity	---	1	---	---	---	---	1
66	Hydraulic trolley vack 5 Ton Capacity	---	1	---	---	---	---	1
67	Vehar Recorder A. M. Type	---	1	---	---	---	---	1
68	Pumping Unit Diesel for Vehar	---	1	---	---	---	---	1

APPENDIX XIV.

Statement showing the details of bursts of mains on 600 mm. (24") and above in City, Subs. and Ext. Subs.

Serial No.	Site	Size of the main	Date
1	Netaji Subhash Road (Marine Drive) ...	1200 mm. (48')	29-1-1968
2	Bandrekar Wadi, Jogeshwari East ...	600 mm. (24")	7-10-1967

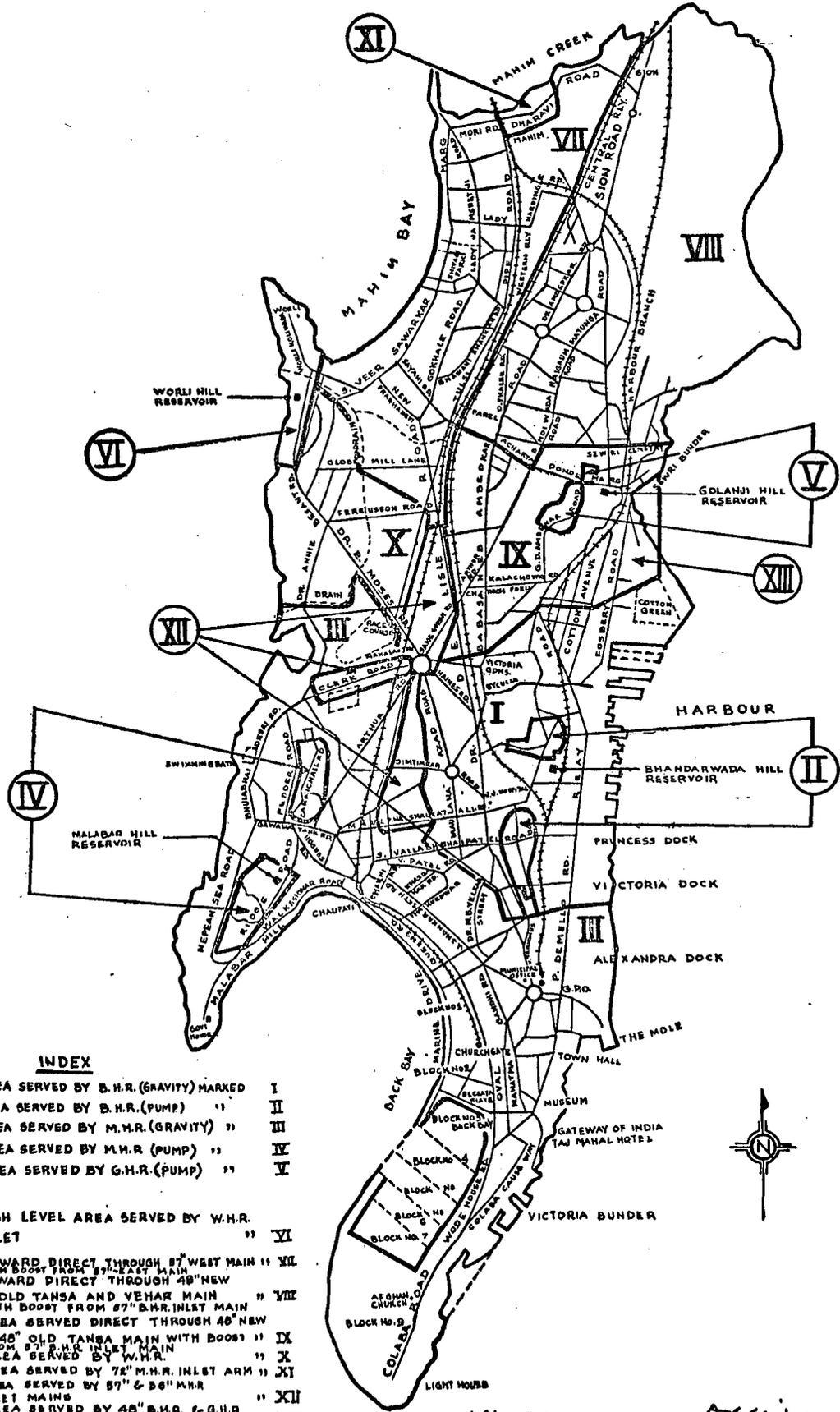
APPENDIX XV.

List of Municipal Boosting Stations in City, Suburbs and Extended Suburbs.

Serial No.	Site	No. of pumps	Horse Power of pumps
1	Worli Koliwada ...	1	54 Diesel.
2	Rafi Ahmed Kidwai Road ...	1	25 Electric.
3	Fosberry Road (Near 'L' Shed) ...	1	54 Diesel.
4	N. M. Joshi Marg ...	1	100 Electric.
5	Altamount Road ...	1	54 Diesel.
6	B. D. D. Chawl (N. M. Joshi Marg) ...	3	25 Each. (Total 75) Electric.
7	Hill Road, Eandra ...	2	40 H. P. each.
8	Pali Hill, Bandra ...	3	(a) 50 H. P. two. (b) 25 H. P. one.
9	Juhu Road ...	1	50 H. P. each.
10	Gazdar Hall, Andheri ...	2	50 H. P. each.
11	Versova Village, Andheri ...	2	25 H. P. each.
12	Telli galli Andheri ...	2	25 H. P. each.
13	Mahakali Road, Andheri ...	2	(a) 24 H. P. (b) 20 H. P.
14	Parsi Panchayat Road, Andheri ...	1	30 H. P.
15	Caves Road, Jogeshwari ...	2	(a) 40 H. P.
16	Majaswadi Jogeshwari ...	1	30 H. P.
17	Sahakar Nagar (Junjnivas) Jogeshwari ...	1	13 H. P.
18	Sidharth Nagar, Goregaon ...	2	90 H. P. each.
19	Pushpa Park, Malad ...	1	25 H. P.
20	Quarry Road, Malad ...	2	25 H. P. each.
21	Sainath Road, Malad ...	2	50 H. P. each.
22	Zakerai Road, Majad ...	2	25 H. P. each.
23	Malvani Colony, Malad ...	2	50 H. P. each.
24	Kilachane Road, Kanivali ...	3	54 H. P. each.
25	Mandpeshwar Road, Borivali ...	3	25 H. P. each.
26	Eksar Village, Borivali ...	2	25 H. P. each.
27	Daulat Nagar, Borivali ...	2	60 H. P. each.
28	Datta pada Road, Borivali ...	2	(a) 54 H. P. (b) 25 H. P.
29	Shrikrishna Nagar, Borivali ...	1	13 H. P.
30	Rifle Range, Chatkopar ...	2	40 H. P. each.
31	Horse shoe valley, Chatkopar ...	2	40 H. P. each.
32	Park site Colony, Vikhroli ...	2	40 H. P. each.
33	Kurla Market, Kurla ...	2	25 H. P. each.
34	Chuna Ehatti, Kurla ...	2	25 H. P. each.
35	Chatla, Chembur ...	2	(a) 50 H. P. (b) 60 H. P.
36	Janata Colony, Chembur ...	2	25 H. P. each.
37	Deonar Municipal Colony, Chembur ...	2	40 H. P. each.

*Note.—The last Boosting station at Serial 6 was commissioned during the later part of the year under Report.

ZONES OF WATER SUPPLY



INDEX

- 1 AREA SERVED BY B.H.R. (GRAVITY) MARKED I
- 2 AREA SERVED BY B.H.R. (PUMP) " II
- 3 AREA SERVED BY M.H.R. (GRAVITY) " III
- 4 AREA SERVED BY M.H.R. (PUMP) " IV
- 5 AREA SERVED BY G.H.R. (PUMP) " V

- 6 HIGH LEVEL AREA SERVED BY W.H.R. INLET " VI
- 7 G WARD DIRECT THROUGH 87" WEST MAIN " VII
- 8 F WARD DIRECT THROUGH 48" NEW " VIII
- 9 OLD TANGA AND VEHAR MAIN WITH BOOST FROM 87" B.H.R. INLET MAIN " IX
- 10 AREA SERVED DIRECT THROUGH 48" NEW " X
- 11 AREA SERVED BY W.H.R. " XI
- 12 AREA SERVED BY 72" M.H.R. INLET ARM " XII
- 13 AREA SERVED BY 87" & 86" M.H.R. INLET MAINS " XIII
- 14 AREA SERVED BY 48" B.H.R. & G.H.R. INLET MAIN " XIV

PREPARED BY - P.T. DALANHE,
CHECKED BY - P.T. DALANHE, 27-5-68

Dr. Saive
A.E. SURVEY 29/5/68
HYDRAULIC ENGINEER

APPENDIX XVI

Statement of water Connections of different Sizes made during the year in City, Suburbs & Extended Suburbs.

SIZE OF CONNECTIONS

Ward	15 mm. (1/2")		20 mm. (3/4")		25 mm. (1")		30 mm. (1 1/4")		40 mm. (1 1/2")		50 mm. (2")		80 mm. (3")		100 mm. (4")		150 mm. (6")		Total	
	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
A	18	3	19	22	16	41	7	7	6	1	8	1	...	...	...	...	...	...	74	75
B	33	19	4	78	...	161	...	15	2	5	1	...	...	...	...	...	...	...	40	278
C	36	53	16	201	4	220	3	19	1	3	2	1	...	...	...	...	...	...	62	497
D	61	24	19	183	27	254	18	30	21	21	13	12	...	...	...	...	...	...	159	524
E	28	41	19	219	11	306	1	25	3	13	3	6	...	...	...	...	...	...	65	610
F/North	17	26	22	70	69	177	11	36	4	4	2	1	3	3	...	...	...	...	128	317
F/South	2	67	...	109	3	206	2	44	1	...	...	...	1	...	...	...	1	...	10	426
G/North	42	56	26	90	36	115	18	8	12	2	1	...	...	...	...	...	...	...	135	261
G/South	48	25	10	58	8	271	6	269	12	18	2	1	...	...	...	...	...	...	86	642
Total for City	285	314	135	1,030	174	1,741	66	453	62	67	32	22	4	3	...	...	1	...	759	3,630
H	104	...	29	...	52	...	...	...	41	...	5	...	1	...	...	...	...	...	232	...
K	273	11	121	1	77	3	33	2	22	...	4	1	1	...	...	...	...	...	531	18
L	168	...	168	...	36	...	5	...	4	...	...	...	...	...	...	...	...	...	381	...
M	165	...	36	...	22	...	28	...	2	...	2	...	...	1	...	...	...	...	255	1
N	225	1	109	...	53	2	...	...	22	1	2	...	...	...	...	...	...	...	411	4
Total for Suburbs	935	12	463	1	240	5	66	2	91	1	13	1	2	1	...	...	...	...	1,810	23
P	86	2	81	...	48	4	3	3	10	2	...	...	...	...	1	...	...	...	229	11
R	233	...	55	1	11	2	8	...	...	...	...	...	...	...	...	...	...	...	307	3
T	119	...	20	...	47	...	...	...	14	...	...	...	...	...	...	...	...	...	200	...
Total for Ex. Suburbs	438	2	156	1	106	6	11	3	24	2	...	...	...	...	1	...	...	...	736	14
Grand Total	1,658	328	754	1,032	520	1,752	143	458	177	70	45	23	6	4	1	...	1	...	3,305	3,667

APPENDIX XVIII.

Statement showing hours of supply in the different localities in the City, Suburbs and Extended Suburbs.

Serial No.	Ward	Locality	Hours of Supply
1	A	(a) Colaba and areas South of Museum ...	4-45 A.M. to 7-00 A.M.
		(b) Marine Drive, Fort area, North of Museum ...	8-15 P.M. to 10-45 P.M.
		(c) Supply to Govt. Establishment ...	8-00 P.M. to 9-00 P.M.
2	B	(a) Dongri Area ...	3-15 P.M. to 7-00 A.M.
		(b) Umrkhadi area including Dr. Maheshwari Rd. and Valpakhadi ...	8-00 P.M. to 10-30 P.M.
		(c) Chakla, Pydhoni, Imammwada, Abdul-Rehman Street, Babulla Tank Road, D'mello Road, and B. P. T. Areas ...	5-00 A.M. to 7-00 A.M.
		(d) Clive Road, Argyle Road and other areas East of Central Rly. line ...	8-00 P.M. to 10-30 P.M.
		(e) Mandvi ...	4-00 A.M. to 7-00 A.M.
3	C	(a) Kalbadevi, Dhobitalao, Kharatalao, Market, Fanaswadi' Kumbharwada areas ...	5-00 A.M. to 7-00 A.M.
		(b) Portion of Netaji Subash Road ...	8-15 P.M. to 10-45 P.M.
4	D	(a) Gamdevi, Girgaum, Thakurdwar, Prarthana Samaj, Khetwadi, Tardeo, Maulana Saukatali Road, Naushir Bharucha Marg, Dr. Dadasaheb Bhadkamkar Road, Sukhalaji Street areas, Gowalia Tank Road upto Terminus ...	5-00 A.M. to 7-00 A.M.
		(b) Haystack Road, Clerk Road, from Mahalaxmi Bridge to Haji Ali ...	4-30 A.M. to 11-00 A.M.
		(c) Raghaoji Road, Forjett Street, Forjett Hill Road and Gowalia Tank ...	5-00 P.M. to 7-00 P.M.
		(d) Walkeshwar Road, Sital Baug to Teen Batti ...	4-30 A.M. to 7-00 P.M.
		(e) Walkeshwar Road, Lower Banganga Tank side ...	9-30 A.M. to 11-30 A.M.
		(f) Walkeshwar Road, Upper Banganga, Raj Bhavan ...	11-30 A.M. to 2-00 P.M.
		(g) Walkeshwar Road, Teen Batti to Banganga Terminus ...	2-00 P.M. to 3-30 P.M.
		(h) Altamount Road, South Zone ...	3-30 P.M. to 4-30 P.M.
		(i) Altamount Road Middle Zone ...	5-00 P.M. to 9-00 P.M.
		(j) Altamount Road North Zone ...	9-00 P.M. to 11-30 P.M.
		(k) Pedder Road, Narayan Dhabholkar Road and Gawalia Tank Road West of Kemp's Corner and part of Huges Road ...	11-30 P.M. to 2-00 A.M.
		(l) Nepean Sea Road ...	7-00 P.M. to 12-00 Mid-night
		(m) Siri Road, Babulnath Road ...	6-00 P.M. to 12-00 "
		(n) Bhulabhai Desai Road ...	5-00 A.M. to 9-00 A.M.
		(o) Carmichael Road ...	6-00 P.M. to 12-00 Mid-night
5	E	(a) Kamathipura, Byculla West and Nagpada Nesbit, and St. Mary Road, areas ...	4-45 P.M. to 11-15 P.M.
		(b) Matharpakhady Area, Belvedere Road, Dockyard Road, Gunpowder Road. ...	5-00 A.M. to 7-00 A.M.
		(c) Motishaw Lane (Love Lane) and Hathi Baug area ...	12-00 Noon to 3-00 P.M.
		(d) Dr. Ambedkar Road, (From Kalachowky to Byculla Bridge), Chinch Pokli area, Arthur Road, Delisle Road ...	3-00 P.M. to 7-00 P.M.
		(e) Victoria Rd., Connought Road, Mount Road, Ghodapdeo ...	5-00 A.M. to 7-00 A.M.
		(f) Reay Road, D' Lima Street areas ...	8-00 P.M. to 11-00 P.M.
6	F/ South	(a) Suparibaug, Lalabaug, Dy. S. S. Rao Road, Kalachowky Areas ...	8-00 P.M. to 10-30 P.M.
		(b) Naigaum, Bhoiwada and Sewri Wadala areas ...	4-00 A.M. to 7-00 A.M.
		(c) Golanji Hill, Parel Back Road and Parel Village ...	7-00 A.M. to 12-00 Noon.
		(d) Ambekar Marg (Parel Tank Road) (G. H. R. Pump Supply) ...	4-15 P.M. to 7-00 P.M.
		(e) Tokersey Jivraj Road and Sewri Cross Road areas (Vaitarna direct supply) ...	7-45 P.M. to 10-30 P.M.
		(f) Cotton Green (Reay Road) (Direct supply) ...	4-30 P.M. to 10-00 P.M.
		(g) Fosberi Road Sewri (Pump Supply) ...	8-00 P.M. to 11-00 P.M.
7	F/ North	(a) Sion Matunga, Parsi Colony and Hindu Colony areas ...	12-00 Noon to 8-00 P.M.
		(b) Antop Hill area pump supply ...	7-00 A.M. to 12-00 Noon
8	G/ South	(a) Worli B. D. D. Chawl, Lower Parel, Love Grove and Prabha-devi area ...	4-00 P.M. to 6-00 P.M.
		(b) N. M. Joshi Road between junction Sane Guruji Road, and Curry Road ...	3-30 P.M. to 6-00 P.M.
		(c) Worli Village and Seafac upper Zone ...	4-00 A.M. to 7-00 A.M.
		Worli Koliwada and Police Camps ...	4-00 P.M. to 9-30 P.M.
		Lower Zone ...	4-00 P.M. to 6-30 P.M.
		(d) Pochakhanawala Road areas ...	6-30 P.M. to 12-00 Mid-night
9	G/ North	(a) Mahim, Shivaji Park and Dadar area West of Western Railway line ...	6-00 P.M. to 12-00 Mi.-night
		(b) Areas between Sayani Road and Portuguese Church Street ...	1-15 P.M. to 3-30 P.M.
		(c) West Dharavi Area (Direct Supply) ...	6-30 P.M. to 7-30 P.M.
		(d) East Dharavi Area including Kala Kila ...	3-30 P.M. to 6-30 P.M.
			7-00 P.M. to 10-00 P.M.
			7-00 A.M. to 12-00 Noon.

APPENDIX XVIII.

Statement showing hours of supply in the different localities in the City, Suburbs and Extended Suburbs²

Serial No.	Ward	Locality	Hours of Supply
10	H	(a) Bandra Hill, Mt. Mary Hill Parera Road	8-00 P.M. to 2-00 A.M. 2-00 A.M. to 4-00 A.M.
		(b) Pali Hill (Mala Pump)	9-00 P.M. to 1-00 A.M.
		(c) Colonies on East of High Way	3-00 P.M. to 6-00 A.M.
		(d) Rest of H Ward	6-30 P.M. to 6-00 A.M.
11	K	(a) Gazdar Hall Pump. —Cama Road, Part of Gilbert Hill, S. V. Road, From Gazdar Hall to Viveana Bldg., V. P. Road, Andheri West	9-00 A.M. to 2-00 P.M.
		(b) Parsi Panchayat Road Pump. —(W. M. Supply) Baptista-wadi, Malpa Dongari and East of Express High Way of Parsi Panchayat Road.	12-00 Mid night to 5-00 A.M.
		(c) Caves Road, Pump. — (a) H. F. Society, Shankarwadi (b) Hardevibai Society, Caves Road	8-00 A.M. to 1-00 P.M. 1-00 P.M. to 3-00 P.M.
		(d) Majas Pump. — (a) Majas Gumpha Tekadi, Pratap Nagar, etc. (b) Squatters Colony, Meghwadi, and Shyam Nagar	6-00 A.M. to 8-00 A.M. 2-30 P.M. to 5-00 P.M. 5-00 P.M. to 9-30 P.M.
		(e) Kunj Niwas Pump E. M. —Sahakar Road	6-00 A.M. to 8-00 A.M.
		(f) Dadabhai Rd., Pump W. M. —Dadabhai Rd. and Part of Gilbert Hill	3-00 P.M. to 6-30 P.M.
		(g) Mahakali Pump W. M. —Mahakali Road	8-00 A.M. to 1-00 P.M.
		(h) Telly Gully Pump. — (a) Telly Gully, W. M. (b) Gundavalli North W. M. Foot path of Kurla-Andheri Rd. From Highway Express to Azad Roads, Andheri East...	2-00 P.M. to 5-00 P.M. 2-00 P.M. to 7-00 P.M.
		(i) J. V. D. S. Pump, W. M. —Whole Juhu Village from Irish Park upto Lido Cinema except J. V. D. S.	3-00 P.M. to 6-00 P.M.
		(j) Vevera Bldg. to Irla Naka (Eastern Footpath of S. V. Rd). Western footpath of S. V. Road. From Andheri Naka to Irla Naka, Juhu Lane Andheri between South of Sahar Road and Parle Biscuit Factory from Cemetary Road to Oshiwara Bridge.	24 Hours.
		(k) Andheri Naka of E. M. S. V. Road to Amboli level Crossing Ceaser Road, West Mogra	9-00 A.M. to 4-00 P.M.
		(l) Jogeshwari Post Office E. M. of S. V. Road to Cemetary Rd. (West side of S. V. Road)	9-00 A.M. to 4-00 P.M.
		(m) Cemetary Road E. M. and some of the connection of the 12" Govt. Main on S. V Road	12-00 Mid night to 9-00 A.M.
		(n) East of Marol W. M. Pipe line upto Mithi River, Marol Village, Marol Marashi Road	4-00 P.M. to 6-30 A.M.
		(o) Vile-Parle East W. M. J. V. D.S. Versowa Road, Sahar Road, Kurla-Andheri Road, Parsi Panchayat Road, Nagardas Road, and its Cross Road, etc.	1-00 P.M. to 6-30 A.M. 4-00 A.M. to 12-30 P. M.
12	L	All the areas in the Ward	
13	M	(a) Along Sion Trombay Road between Ghatla and Janata Colony (Excluding Janata Colony including Vadhavali Gowandi and Devnar New Mandala (Pump Supply)	1-30 A.M. to 6-30 A.M.
		(b) Along Sion Trombay Road beyond Janata Colony upto Trom-way (Pump Supply)	1-30 A.M. to 6-30 A.M.
		(c) Janata Colony (Pump Supply)	11-30 A.M. to 3-30 P.M.
		(d) Devnar Colony Bueheni Camps	9-00 A.M. to 1-00 P.M. 1-30 A.M. to 6-30 A.M.
		(e) Along 900 mm (36") Refinery Main From Kumbharwada upto Atomic Energy Department	4-00 A.M. to 1-30 P.M.
		(f) Maharashtra Housing Boards Colony along Trunk mains (Colonies in N Ward also)	4-00 A.M. to 11-00 A.M.
		(g) Rest of the areas in the Ward	4-00 A.M. to 1-00 P.M.
14	N	(a) Ghatkopar (North of Sarvoday Hospital) Vikhroli and Bhandup	6-30 P.M. to 6-30 A.M.
		(b) Ghatkopar (South of W. W. Yard)	4-00 A.M. to 1-00 P.M.
		(c) Remaining Ghatkopar Areas	4-00 A.M. to 1-00 P.M.
15	P	(1) Motilal Nagar (Goregaon Pump Supply)	5-30 A.M. to 7-30 A.M. 7-30 A.M. to 10-15 A.M.
		(2) Sidharth Nagar (Goregaon) Pump Supply	7-30 A.M. to 12-00 Noon. 10-15 P.M. to 12-00 Mid-night
		(3) Unnat Nagar, Goregaon (Direct Supply)	12-00 Midnight to 9-00 A.M.
		(4) Pushpa Park	3-30 P.M. to 8-00 P.M.
		(5) Ban Dongari and Datta Mandir Road (Malad) (E) (Pump Supply)	12-00 Noon to 3-30 P.M. 3-30 P.M. to 8-00 P.M. 8-00 P.M. to 2-00 A.M.

APPENDIX XVIII.

Statement showing hours of supply in the different localities in the City, Suburbs and Extended Suburbs.

Serial Ward No.	Locality	Hours of Supply
	(6) Military Installations at Madh Island Pump Supply	8-00 P.M. to 2-00 A.M. Malavani Pump.
	(7) Goregaon (West)	2-00 A.M. to 6-00 A.M. 12-00 Midnight to 9-00 A.M.
	(8) Goregaon (East)	6-30 A.M. to 11-00 A.M.
	(9) Malad West upto Telephone Exchange Bldg.	12-00 Midnight to 7-30 A.M.
	(10) Anand Road and Station Rd., Malad Haji Bapu Road	8-00 P.M. to 6-30 P.M.
	(11) Malad East	6-30 A.M. to 11-30 A.M.
	(12) Madh Marvey Road	8-00 P.M. to 12-00 P.M.
	(13) Portion of P Ward N-off Tele. Exchange Bldg. And up to Poisar Bridge in R Ward except Kandivali East	9-00 A.M. to 3-30 P.M.
	(14) Quarry Road Malad East Pump supply	11-00 A.M. to 4-00 P.M.
	(15) Zakaria Road Malad, Pump supply	12-30 A.M. to 6-00 A.M.
16 R	(1) Kilachand Road Akurli Road Kandivali East	9-00 A.M. to 3-30 P.M. 11-00 A.M. to 1-00 P.M.
	(2) Remaining Kandivali	9-00 A.M. to 3-30 P.M.
	(3) Datta Pada Road Carter Rd. 3, 4, 5 part of 6 and 8	3-30 P.M. to 9-30 P.M.
	(4) Carter Road No. 1 up to Datta Road, Pump Supply	3-30 P.M. to 9-30 P.M.
	(5) Road upto Dattapada Road	3-30 P.M. to 12-00 Midnight
	(6) Carter Road, No. 2,7, Part 6	8-00 P.M. to 12-00 Midnight
	(7) Carter Road, 9, 10, 11 12 and 13 and Daulat Nagar	6-30 P.M. to 11-00 P.M.
	(8) Shri Krishna Nagar	7-00 P.M. to 11-00 P.M.
	(9) Lokmanya Road Beyond Pump	3-30 P.M. to 12-00 Midnight
	(10) Lokmanya up to Pump	3-30 P.M. to 12-00 Midnight
	(11) Valabhbhai Road	3-30 P.M. to 12-00 Midnight
	(12) Dahisar West	3-30 P.M. to 10-00 P.M.
	(13) Dahisar East	3-30 P.M. to 12-00 Midnight
	(14) Bhainder	3-30 P.M. to 12-00 Midnight
17 T	(1) Sarvoday Hospital, Mulund	10-00 P.M. to 4-00 A.M.
	(a) Park side Colony	8-00 P.M. to 1-30 A.M.
	(b) Horse Shoe Valley area	3-00 A.M. to 6-00 A.M. 4-30 A.M. to 11-00 A.M. 4-00 P.M. to 10-00 P.M.

APPENDIX XIX

Statement showing short supply complaints in the City (for the last 15 years.)

Month.	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68
April ..	1,961	1,726	1,575	1,519	1,300	316	231	255	455	1,277	1,487	4,471	3772	3,196	3,315
May ..	2,061	1,694	1,285	1,777	1,511	242	596	300	592	1,493	1,683	4,369	3822	3,419	3,154
June ..	1,982	1,621	1,382	1,423	3,159	187	596	258	786	1,549	1,602	4,179	3241	3,622	3,503
July ..	1,834	1,209	1,110	1,136	2,89	242	436	234	620	1,433	1,335	4,338	3155	3,660	2,885
August	1,797	912	741	980	440	221	305	409	452	1,295	1,130	3,750	3024	3,271	3,437
Sept. ..	1,695	858	951	852	759	246	308	448	663	1,199	1,194	3,666	3076	3,138	3,197
Oct. ..	1,245	1,094	1,096	971	1,572	235	275	505	831	1,616	1,351	4,064	3143	3,342	3,316
Nov.	1,819	975	1,003	968	688	222	271	568	899	1,376	1,342	3,850	3492	3,283	3,253
Dec. ...	2,058	872	1,045	970	1,076	192	345	617	865	1,282	1,479	3,915	3432	3,308	2,913
Jan. ...	1,924	678	772	1,016	572	242	243	634	665	1,463	1,701	3,983	3100	2,946	3,000
Feb. ...	1,908	823	970	998	916	179	108	670	816	1,722	1,360	3,574	3245	2,527	2,768
March	2,127	1,167	1,445	954	824	264	239	531	1,013	1,576	1,301	4,127	4008	2,964	3,525
Total ...	23,425	13,679	13,375	13,534	14,938	2,791	4,013	5,369	8,657	17,281	16,971	48,986	40,458	38,676	33,206

APPENDIX XIX—A

Short Supply Complaints in Suburbs & Extended Suburbs.

Month	1966-67		1967-68	
	Suburbs	Extended Suburbs.	Suburbs	Extended Suburbs.
April	678	243	1,024	276
May	680	273	1,003	429
June	624	261	881	377
July	1,078	208	903	284
August	825	209	879	334
September	793	400	838	510
October	787	211	790	394
November	663	216	715	581
December	633	249	699	288
January	663	161	739	210
February	967	173	711	291
March	815	241	918	290
TOTAL	9,209	2,845	10,100	4,264

APPENDIX XX.

Serial No.	Ward	Ownership of meter	Total Number of meters on connection as on 1-4-1967	Number of meters exchanged during the year	Number of meters fixed on new connections during the year	Number of meters removed from existing connections during the year	Number of new properties metered during the year	Number of unmetered properties metered during the year	Total Number of meters on connections as on 31-3-1968	
1	A	Municipal	1,710	873	67	12	3	...	1,783	
		Private	729	152	4	1	...	...	709
2	B	Municipal	503	322	43	...	1	...	546	
		Private	323	...	...	...	...	...	324
3	C	Municipal	846	724	47	11	7	...	967	
		Private	412	306	2	...	...	...	359
4	D	Municipal	2,824	2,348	141	24	22	1	3,039	
		Private	1,111	267	50	9	...	...	1,056
5	E	Municipal	1,327	795	123	22	12	6	1,428	
		Private	752	235	34	36	...	...	750
6	F/S	Municipal	952	627	52	2	13	6	1,002	
		Private	421	130	8	11	...	...	429
7	F/N	Municipal	1,085	809	237	43	13	...	1,279	
		Private	1,062	1,080	42	143	...	...	961
8	G/S	Municipal	744	744	44	135	73	...	744	
		Private	528	528	45	54	...	...	528
9	G/N	Municipal	1,351	555	81	...	76	...	1,311	
		Private	966	...	59	...	...	...	964
Total for City			Municipal	11,342	7,797	835	303	220	13	12,099
			Private	6,304	2,698	244	244	6,080
			Total	17,646	10,495	1,079	547	220	13	18,179
10	H	Municipal	4,640	1,390	...	29	196	226	4,795	
		Private	5,340	1,551	...	151	...	...	5,412
11	K	Municipal	3,101	...	84	1,658	...	...	3,185
		Private	4,469	...	544	1,115	...	...	5,013
12	L	Municipal	1,993	671	217	18	27	...	2,200	
		Private	941	400	177	...	...	...	1,118
13	M	Municipal	1,005	432	187	16	...	...	1,187
		Private	1,769	573	72	54	...	21	1,776	
14	N	Municipal	1,182	427	28	...	71	...	1,210	
		Private	2,011	439	334	...	...	...	2,395
Total for Suburbs.			Municipal	11,921	2,920	516	1,731	294	247	12,587
			Private	14,489	2,963	1,177	1,320	15,714
			Total	26,410	5,883	1,693	3,051	294	247	28,301
15	P	Municipal	1,148	431	180	431	...	...	1,315
		Private	2,390	...	153	498	...	...	2,451
16	R	Municipal	986	259	122	...	...	...	1,104
		Private	1,856	41	203	...	305	...	2,026	
17	T	Municipal	450	105	19	...	42	...	469	
		Private	1,200	255	181	...	...	...	1,381
Total for Ext. Suburbs.			Municipal	2,584	795	321	431	2,884
			Private	5,446	296	537	498	347	...	5,858
			Total	8,030	1,091	858	929	347	...	8,742
Grand Total :			Municipal	15,847	11,512	2,887	2,465	861	260	27,570
			Private	26,239	5,957	2,101	2,062	27,652
			Total	42,086	17,469	4,988	4,527	861	260	55,222

APPENDIX XXI

Details of the Works carried out by construction Division in City Suburbs and Extended Suburbs
(Main of sizes 80 mm. (3") and above)

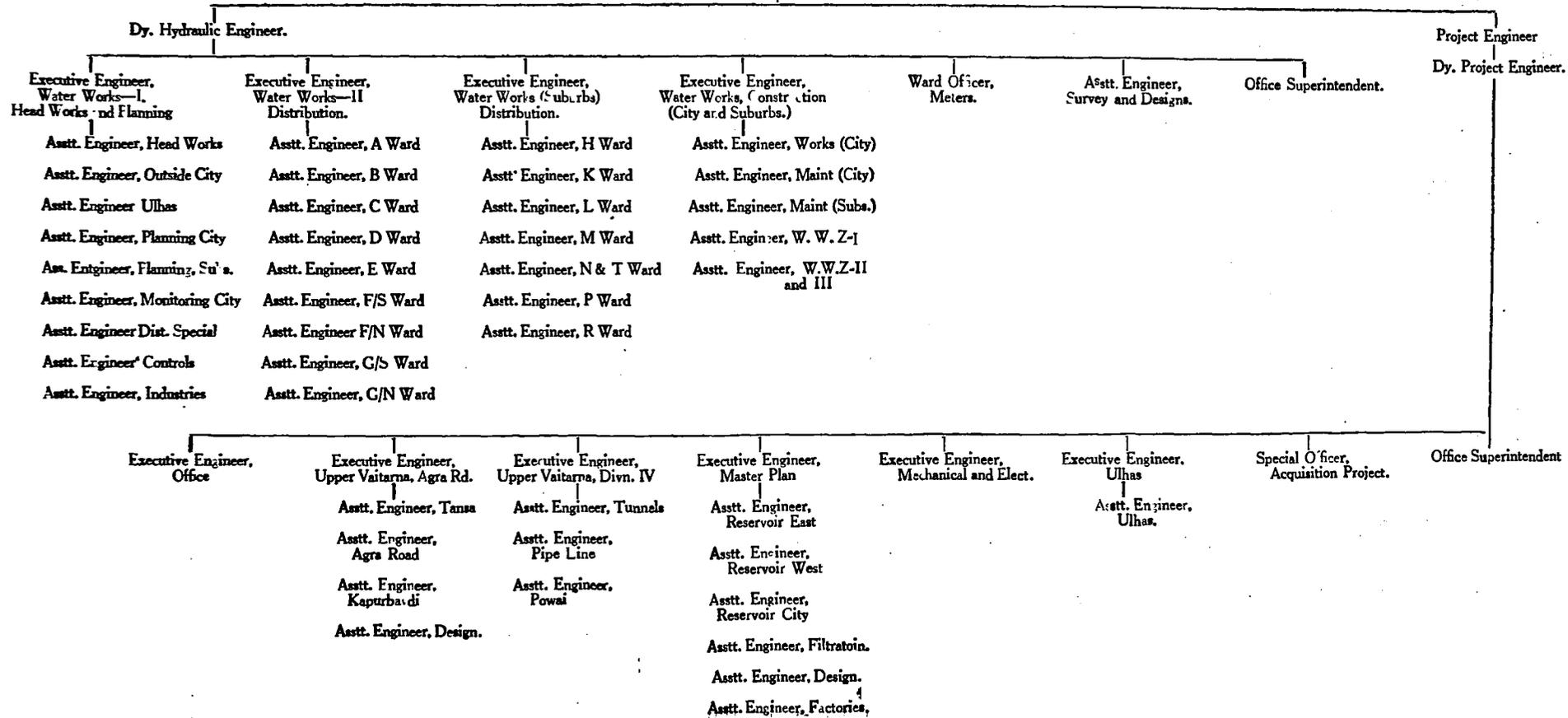
Size of pipes	CITY		SUBURBS		EXTENDED SUBURBS		TOTAL	
	Metres	Feet	Metres	Feet	Metres	Feet	Metres	Feet
80 mm. (3") ...	675	2,213	674	2,211	436	1,429	1,785	5,853
100 mm. (4") ...	740	2,428	2,329	7,805	850	2,790	3,969	13,023
150 mm. (6") ...	12,512	41,050	13,958	45,795	4,440	14,568	30,910	1,01,414
250 mm. (9") ...	5,179	16,992	4,677	15,346	793	2,602	10,649	34,940
300 mm. (12") ...	4,159	13,645	3,088	10,130	5,681	18,639	12,928	42,414
400 mm. (15") ...	...	...	108	355	...	...	108	355
450 mm. (18") ...	1,281	4,203	625	2,052	10	34	1,916	6,289
600 mm. (24") ...	645	2,117	...	...	75	247	720	2,364
750 mm. (30") ...	...	...	...	...	...	...	...	...
1200 mm. (48") ...	2	8	...	...	...	...	2	8
Total ...	25,193	82,656	25,559	83,694	12,285	40,309	62,987	2,06,659
				Rs.	Rs.		Rs.	
cost of Scheduled works carried out (Departmentally and by contract)	8,55,861	...	20,78,409	12,44,000			41,78,270	
Cost of non-scheduled works carried out	14,62,284	...	8,46,867	5,00,000			28,09,151	
Total cost of the works carried out	23,18,145		29,25,276	17,44,000			69,87,421	

APPENDIX XXII.

Details of stand pipes in City, Suburbs and Extended Suburbs.

Serial No.	WARD	No. of existing stand pipes on 1-4-1967.	No. of new stand pipes given during the year.	No. of stand pipes cut off during the year.	Total No. of Stand pipes as on 31-3-1968.
1	A	...	2	...	2
2	B	...	...	...	...
3	C	...	...	...	...
4	D	1	1	...	2
5	E	...	...	...	...
6	F/S	37	10	...	47
7	F/N	11	6	...	17
8	G/S	11	9	...	20
9	G/N	28	9	2	37
	CITY TOTAL	88	36	2	125
10	H	282	108	2	388
11	K	421	95	...	515
12	L	96	79	...	175
13	M	70	48	2	116
14	N	282	124	...	506
	SUBURBS TOTAL	1,151	854	4	1,700
15	P	76	21	1	96
16	R	13	9	...	22
17	T	13	11	...	24
	EXTD. SUBS. TOTAL	102	41	1	142

APPENDIX XXIII
ORGANISATION CHART OF HYDRAULIC ENGINEER'S DEPARTMENT
 HYDRAULIC ENGINEER



BOMBAY FIRE BRIGADE

The Bombay Fire Brigade was taken over by the Government of Maharashtra under the Defence of India Rules and placed under the control of the Director of Civil Defence and Fire Adviser to the Government of Maharashtra with effect from 17th January, 1963. It continued to be under his charge during the year under report with Shri S. Fredilis as the Chief Fire Officer.

Fire Stations.—

The total number of Fire Stations was 11 in the City and 3 in the Suburbs.

Fire Appliances and Equipments.—

1. Motor Turn Table Ladders:—									
(a) of 100 feet extension with pump									2 Nos.
(b) of 125 feet extension with pump									2 Nos.
2. Motor Pumps.—									
(a) with Escapes of 50 to 60 feet Extension									19 Nos.
(b) with Extension Ladders of 35 feet extension									10 Nos.
3. Fire Tenders with Extension Ladder									4 Nos.
4. Motor Emergency Tender with Special Gears									2 Nos.
5. Motor Emergency Tender-cum-Fire Tender									1 No.
6. Air Crash Tender with Special Gears									1 No.
7. Trailer Pump.—									
(a) Medium Type									13 No.
(b) Light Type									2 Nos.
8. Water Tankers (7,200 litres capacity of each)									4 Nos.
9. Hose Laying Lorry-cum-Canteen Van									1 No.
10. Control Post Van									1 No.
11. Motor Ambulances									11 Nos.
12. Other Vehicles									19 Nos.
13. Scooters									5 Nos.
14. Ladders of various sizes									84 Nos.
15. Breathing Sets.—									
(a) Oxygen									34 Nos.
(b) Compressed Air									16 Nos.
16. Fire Hose Delivery Rubber-lined (in stock)									25,375 mtrs.
17. Cash Masks of various types									18 Nos.
Out of the above appliances and equipments the following were purchased during the year 1967-68.									
1. Trailer Pump Medium type									1 No.
2. Water Tankers									4 Nos.
3. Other vehicles (Jeeps)									5 Nos.

Communications.—

(A) Telephones.—

In the year 1963-64 the six Emergency lines of the Brigade were split up as under.

- (i) Four emergency lines (No. 101) for fires and other emergency calls
- (ii) Two emergency lines (102) for Ambulance calls. This system continued to exist in the year under report.

(B) Wireless Communication System.—

The Brigade has 55 Radio Telephony Sets (5 Static Sets, 38 Mobile Sets and 10 Walkie-Talkie Sets) actually in use and 2 spare Walkie-Talkie Sets during the year under report.

(C) Fire Alarms.—

The total number of Fire Alarms was 213 including 28 private ones.

Calls.—The Brigade responded to a total number of calls as shown below with comparative figures of the previous year.

	1967-68	1966-67	Difference	
Total Calls	3,634	3,182	452	Increases
Actual Fires	1,986	1,755	231	"
Actual House Collapses	256	179	77	"
Rescue Services...	289	260	29	"
Other Services	236	215	21	"
False Calls.—				
Defective calls due to defects in Fire Alarm System	231	178	53	"
Good Intent Calls	75	52	23	"
Malicious Calls	387	254	133	"

Outside City Limit Calls :

There was one such call during the year.

Serious Fires :

There were 16 serious fires during the year (vide Appendix I).

House Collapse :

The Brigade attended calls to 256 fallen buildings as against 179 in the previous year. 57 persons lost their lives and 79 persons were injured. The figures of last 4 years are given below.

	1963-64	1964-65	1965-66	1966-67	1967-68
House Collapse	249	239	210	179	256
Deaths	28	16	21	4	57
Injuries	157	113	103	108	79

Some serious House Collapses are mentioned in Appendix VI.

Other Services :

There were 236 calls for other services which included leakage of poisonous gases and dangerous fumes, spilling of acids, falling of trees, shocks due to leakage of electricity, vehicle accidents, etc., 9 persons lost their lives in such accidents and 67 persons received injuries.

Rescue Service :

The Brigade attended 289 calls of various types of Rescue work such as persons fallen in wells, sea, etc. trapped in lift cages, drainages, marooned in flooded areas, etc. 134 persons died in such cases and 180 were injured. Majority of deaths 106 were by drowning. The Brigade also rescued 23 animals and birds.

Burning Casualties.—

There were 291 casualties due to burns out of which 66 lost their lives (24 males and 42 females). 125 persons received burns and subsequently recovered. Out of the total deaths, 3 cases which were female, were cases of suicide.

Fire Loss :

The total loss due to fires was approximately Rs. 1,59,72,216. Out of this the damage to the insured property was Rs. 10,35,560. The total property involved was worth Rs. 1,01,73,60,985.

Water Supply :

The approximate quantity of water used for extinguishing fires was about 11 million litres. Out of which 5 million litres were drawn from Municipal mains and rest from sea, wells, ponds, etc.

Hydrants :

The number of hydrants for City and Suburbs was 9250 Approx.

Zonal System :

The Zonal System which was introduced from March 1965 continued in the year under report.

Fire Prevention J

During the year, 8532 cases were received as against 9000 in the previous year out of which 8114 cases were disposed of. The cases received included 7653 cases from Municipal Departments like Licence, Factory and Health, 134 cases from the Commissioner of Police, 128 cases for Public entertainment, 269 Miscellaneous cases and 348 complaints.

***Strike of Staff :**

380 Brigade employees went on strike from 1st November 1967 to 7th November 1967 as per the call given by one of the Unions of the staff. During the strike period the fire-fighting work was effectively and efficiently managed by the loyal workers, Officers of Bombay Fire Brigade and trained members of Home Guards organisation.

OTHER ACTIVITIES**(1) Republic Day Parade :**

The Fire Brigade personnel participated in the ceremonial parade route march along with Defence and other services on 26th January 1968. The Fire Brigade personnel also participated in the Maharashtra Day parade on 1st May 1967.

(2) Annual Drill Competition :

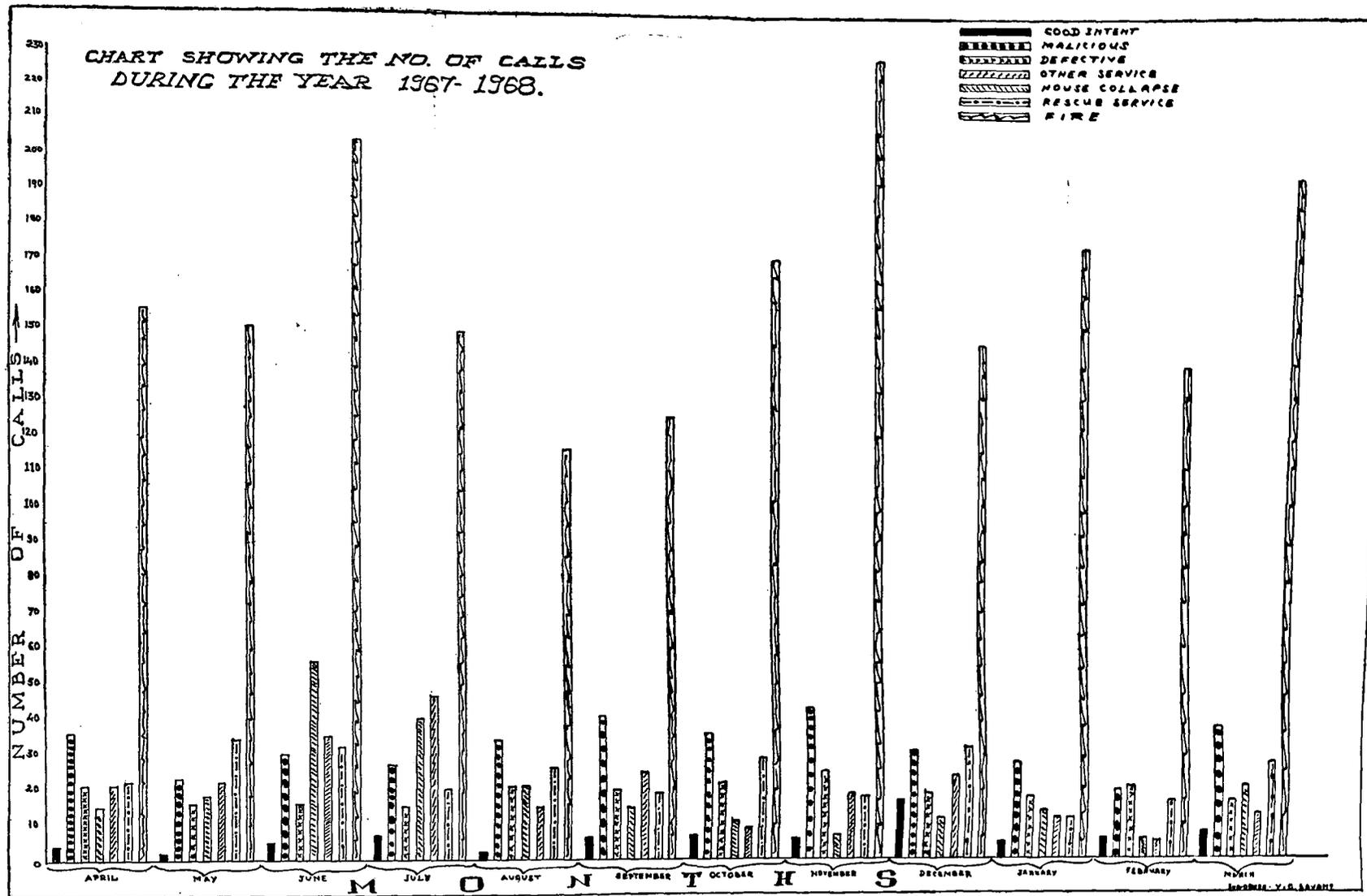
As usual annual Fire Drill Competitions were held. During the year Competitions were held in (i) Fire Trailer Pump Drill, and (ii) Fire Escape and Motor Pump Drill. 31 teams from different Fire Stations participated. The finals were held on 16th January 1968 at Fire Brigade Headquarters. Shri Sohrab K. Khan, J. P., Sheriff of Bombay, presided over the occasion and distributed the prizes to the winning teams. The best performance Rotating Trophy was awarded to Sub-Officer V. G. Sawant.

(3) Awards and Prizes :

The award of Best Fireman of the year (Cash prize of Rs. 100) was awarded to Fireman Mahadeo Jivaji Bhosle. Long service and Good Conduct Bronze Medals were awarded to the following employees.

- (a) Ex. Driver Operator Babu Aba Mohite.
- (b) Ex. Driver Operator Narayan Dattatray Adkar.
- (c) Ex. Fireman Vishnu Rajaram Rane.
- (d) Ex. Driver Operator Shaikh Gulab Shaikh Hussein.
- (e) Ex. Fireman Tukaram Balaji Chavan.

* This portion is included under this department instead of Labour Department as control of Fire Brigade continued to be with the State Government/during the year under Report.



Cash prize of Rs. 250 each and Silver Medals were awarded to Station Officer S. S. Rane and Fireman Dayanand Cangaram Salvi for performing duties at great personal risk at the scene of House Collapse at Vir Vithaldas Chandan Street on 1st April 1967.

Commendatory Certificates were awarded to the following:—

Brigade personnel.

(a) Station Officer	...	M. I. Anwar	...	For commendable work at Other Service call at Calico Mills' Chembur, on 29.1.1967.	
(b) Leading Fireman	...	Vithoba Krishna Kalambe.	...	Do.	
(a) Station Officer	...	L.S.D. Meherwanji	...	For commendable work at the scene of House Collapse at Vir Vithaldas Chandan Street on 1.4.1967.	
(b) Station Officer	...	G. S. Salvi	...	Do.	
(c) Station Officer	...	S. M. Desai	...	Do.	
(d) Sub-Officer	...	T. G. Nankani	...	Do.	
(e) Leading Fireman	...	Vithoba Krishna	...	Do.	
(f) Fireman	...	Yeshwant Narayan	...	Do.	
(g) Fireman	...	Abdul Razak Shaikh Abbas	...	Do.	
(h) Fireman	...	Sahadeo Vithoba	...	Do.	
(i) Fireman	...	Mukund Shivaji	...	Do.	

(4) Awards of Scholarships to Children of Brigade Employees :

As in previous years during the year under report scholarships ranging from Rs. 10 to Rs. 65 were given to school going children of the Brigade employees who passed the annual examination with credit from Standard IV to XI. 57 applications for the scholarship were received. Maximum number of scholarships was 28. The scholarships were distributed on 27th January 1968 and an amount of Rs. 800 was utilised for the purpose.

(5) Deputation of Officers

Shri R. R. Rao, Station Officer, who was deputed to Home Guards Organisation as Fire-Fighting Instructor with effect from 18th May 1964 continued to be on deputation during the year under report. Sub-Officer Waman Krishnaji Rane also on deputation to the Directorate of Civil Defence from 31st August 1964 continued to be on deputation.

(6) Medical Unit :

A Medical Unit conducted by the Women's Volunteer Corps and Red Cross Society at Fire Brigade Headquarters, Byculla, Bombay, for the benefit of members of families of the Brigade personnel continued to function during the year. The following Honorary Physicians and Surgeons attended the Centres.

Dr. (Smt.) D. J. Desai.
Dr. (Smt.) S. J. Meherhomji.
Dr. (Smt.) G. B. Malwankar.
Dr. (Smt.) Chemburkar.
Dr. (Smt.) Shah.

With the help of Family Planning Association of India, family planning was also being attended to in the above Medical Unit. The Medical Centres at Worli and Chembur Fire Stations which were opened last year were closed in November 1967 and January 1968 respectively. The Medical Centre which was opened at Memonwada Fire Station continued to function during the year under report.

(7) Fire Fighting Training to outside candidates :

- Visits to Industrial concerns in the city for a batch of 11 trainees of the Divisional Officer and Assistant Divisional Officer's Course of the National Fire Service College, Nagpur, were arranged by the Brigade.
- During the year under report practical training in fire fighting and rescue duties was imparted to the Home Guards of Greater Bombay.
- Officers of the Brigade gave a number of lectures on fire-fighting in the Maneckji Civil Defence Training Centre of the Government of Maharashtra.

(8) Vocational Service Award :

The Vocational Service Award of the Rotary Club of Bombay was presented to Sub-Officer V.G. Sawant

AMBULANCE SERVICE

The Ambulance Service attended calls as given below:—

Accidents	...	...	...	...	1,257
Maternity	...	...	...	...	1,473
Hire	...	...	...	...	4,568
Free Poor Cases	...	...	...	...	24
					<u>7,322</u>

In all 7,222 persons were removed in Ambulances. First aid was rendered on 267 occasions. The total receipts during the year on account of hire cases amounted to Rs. 45,386. including arrears as against Rs. 49,382 in the previous year.

BRIGADE ESTABLISHMENT COST

The cost on account of Fire Brigade Department including Ambulance Service but excluding supervision charges of Provident Fund, Pension and proportion of general supervision and revenue and debit charges, etc., was Rs. 27,54,995.

S. FREDILIS
Chief Fire Officer.

APPENDIX No. I.

BOMBAY FIRE BRIGADE

Brief details of serious fires during the year 1967-68.

Date & Time	Place.	Business.	Extinguished by	Damage.	Estimated damage.
(1)	(2)	(3)	(4)	(6)	(6)
12-5-1967 00-54 hours.	Dubhash Building, 164, Tulsī Pipe Road, Junction Bal- govindas Road.	Manufacturing of name plates, alu- minium, anodised cables, Radio and amplifier dials, glass printing, Water colours and inks, Glass ma- terials, Petromax and stove parts, Pressblock and re- sidential.	Firemen with 8 Motor Pumps.	One Zentagraph, 4 power presses, grinding machines, automatic tube filling machine, block process camera with screens other small machinaries, large quantity of art silk yarn, chemi- cals, process goods, household arti- cles, office and domestic furniture, office records, brick and C. I. sheet walls, tiles and timber framed struc- tures and electric installation severely damaged by fire, heat, smoke and water.	Rs. 1,29,500
15-5-1967 02.49 hours.	Mathuradas Visanji Road, Andheri (East), M & T Studjo Compound.	Manufacturing pack- ing materials, lea- ther chappals and shoes, paint, pack- ing material, auto- spare parts and spray painting job work.	Employees with 3 chemical extin- guishers soda-acid type and Fireman with 5 Motor Pumps and 6 engine lines.	Machinaries such as lathes, spot welding machines, power press, electric mo- tor, moulding machines, winding machines, dyes, plastic wires, mica sheets, paints, large number of paper rolls, card-board sheets, automobile spare parts, office furnitures, etc. and electrical installations etc. in C. I. sheds used as factories and godowns severely damaged by fire, heat, smoke and water.	4,85,000
31-8-1967 12.23 hours.	Approach Road Tar- deo Road Junction Arthur Road.	Private.	Firemen with two first-aid appliances and two Motor Pumps with three jets.	Household articles, cooking utensils, clothings, food grain, furniture, etc. severely damaged by fire, heat, smoke and water. (ii) Temporary hutments constructed of bamboo mattings with turpentine wooden planks, hessian cloth etc., severely damaged by fire, heat, smoke water and breakage.	45,000
12-9-1967 16.49 hours.	250, Sant Tukaram Road.	Coal, tar, dyes and chemicals.	Strangers with bu- ckets.	A large stock of chemicals such as coal, tar, dyes, etc., in drums severely da- maged by explosion, fire, heat, smoke and water. (ii) A large quantity of food grains in gunny bags, some edi- ble oil and kerosene oil in tins, some furniture, papers, etc., also severely by explosion fire, heat, smoke and water. Electrical installations, walls, doors, etc., also severely damaged by explosion, fire, heat, smoke and water. A motor cycle on road slightly dama- ged by explosion, fire, heat and smoke.	38,000
2-11-1967 20.45 hours.	Kohinoor Textile and Printing Works, L. B. Shastry Marg, Ghatkopar, Bombay.	Dyeing and Printing, Manufacturing of electric contacts, Mechanical Work- shop, Manufac- turing of Sulphu- ric Chloride and Sulphur Mono- chloride, and Chlorobenzens, Textile printing.	Firemen with five Motor Pumps.	Handpress machines, drilling machines, grinder, electric motors, lathe ma- chines, hacksaw machine, etc. office furniture and files, quantity of cloth, large quantity of hydrochloric acid sulphuric chloride, small quantity of chlorobenzene, pigment colours, printing table, screen printing frames etc., severely damaged by fire, heat, smoke and water.	4,75,000
20-11-1967 22.20 hours.	Maharashtra Plastic Interlink Industrial Estate, Caves Road, Jogeshwary (East).	Manufacturing of plastic goods.	Firemen with four lines and three Motor Pumps.	Large quantity of cellulose acetate powder, cellulose butrate powder, P. V. C. compound, polythetine, moulding powders, dye stuffs, plas- tising, paly-proptine etc., in card board, containers in a store room severely damaged by fire, heat, smoke and water. Wooden partitions of office cabins, glass panes of cabins and windows, furniture, stationery articles, air conditioning machine, steel partitions of store room, etc. damaged by fire, heat smoke and water and breakage. Machinery in gala No. 21 slightly by fire, heat, smoke and water.	1,05,000
5-12-1967 0.247 hours.	Sonawala Compound, Dharavi Road, Mahim.	Cotton Rags mer- chant, Empty drums rags, gunny bags merchant, Soap manufactur- ing, Asbestos Powder Merchant, Cotton waste rag merchant, M. S. Drum Merchant, All types of scrap and waste mer- chant, general sup- ply and scrap, Timbor, toils, drums, etc. and re- sidence.	Fireman with six Motor Pumps and 12 jets.	Large quantity of cotton rags, silk rags, gunny bags, hessian cloth, soap, as- bestos powder, asbestos ropes, plastic scrap, rubber scrap, iron scrap household utensils, etc., severely damaged by fire, heat, smoke and water.	88,750

APPENDIX No. I—Concl.

Date & Time	Place.	Business.	Extinguished by	Damage.	Estimated damage.
(1)	(2)	(3)	(4)	(5)	(6)
13-12-1967 0.520 hours.	L. B. Shastry Marg, Kurla Road, near B. E. S. T. Depot, Kurla.	Dealers in lubricat- ing oils and Transport- of oils, Auto repairs of their vehicles. Dealers in various mineral oil and scrap articles, etc.	Firemen with five lines of six Motor Pumps.	Motor vehicles, drums of lubricating oils, large quantity of solvent oil, scrap; empty metal drum, suction hose etc. severely damaged by fire, heat, smoke and water.	88,000
17-1-1968 17.08 hours.	White House, 26, Mary Weather Road, Bombay 1, Glenrose, 24, Mary Weher Road.	Dealers in ladies gar- ments and cotton and silk fabric.	Firemen with 12 lines of 11 Motor Pumps	Office furniture, steel cup-boards, cot- ton and silk fabrics, ready made gar- ments, large stock of curio office papers and records, sewing machine, electric iron and two air conditioning machines, wrapping papers etc., severely damaged by fire, heat, smoke and water and small quantity of white petrol burnt by fire. (ii) Scrap and old articles i.e., empty drums, galvanised wire coil, etc., severely damaged by fire, heat, smoke and water. Wooden and steel furniture, household articles, clothings, books, utensils, ceiling fans and large stock of gramophone records severely dam- aged by fire, heat smoke and water.	1,36,000
18-1-1968 00.59 hours.	Mahakali Caves Road, Andheri (East), Messrs. Sanzhi Oxy- gen Ltd.	Manufacturing acety- lene and Oxygen gas.	Fire died itself	Acetylene gas, automatic electric switch gears and compressor gears and their controls, water scrubber, acetylene filling Pumps, etc. machinery; brick walls, metal door, iron beams, A. C. roof shed severely damaged by fire, heat, smoke and explosions.	1,60,000
19-1-1968 09.32 hours.	Laxmi Building Com- pound, Shakti Mill Lane, Mahalaxmi.	Manufacturing of waxpaper, Bakelite, Electrical acces- sories and metal novelties.	Firemen with three Motor Pumps.	Large quantity of paper, waxing ma- chine, paper cutting machine, small quantity of wax, bakelite electrical accessories, plastic and rubber foot- wears, empty paper containers, dyes, drill and moulding machines, elec- trical motor, metal cutting and press- ing machine, packing material, office furniture and record etc., and C. I. sheet structure and electric installa- tion severely damaged by fire, heat smoke and water.	1,15,000
19-1-1968 21.56 hours.	Laxmi Woollen Mill Compound, Shakti Mill Lane, Maha- laxmi.	Manufacturing of electric platings, chemicals, salt, hosiery, fibre polishing, wheel brushes and engi- neering goods.	Fireman with eighth lines of five motor Pumps.	Cloth bales, chemicals, salts, packing materials, wooden racks, silk yarn, knitted cloth office furniture and record, electric motors, knitting ma- chines, fans, etc., severely damaged by fire, heat, smoke and water.	1,00,500
4-2-1968 08.30 hours.	S. V. Road, Jogeshwari Ghaswala Estate.	Manufacturing cloth and knitted cloth.	Firemen with Motor Pumps with five enginelines.	Large quantity of finished cloth, nylon knitted cloth, yarn (loose and on beams) power loom machines, creel machines, air-conditioners, ultra ma- chines electric wiring, office furniture and record and wooden parts of the building such as beams, purlins, rafters, doors, and windows, portion of brick walls and mangalore tiles, damaged by fire, heat, smoke and water.	5,50,000
5-2-1968 04.37 hours.	L. B. Shastry Marg, Opp. Ghatkopar Police Station Ghat- kopar.	Cloth weaving and processing.	Firemen with four lines of two Motor Pumps	Large stock of grey and finished cloth bobbins yards, two drums of mineral turpentine severely damaged by fire, heat, smoke and water. A lathe and shaping machine, etc. slightly by fire, heat, smoke and water. Three fourth portion of the shed and electric installa- tion also severely by fire, heat, smoke and water. In godown and mechanical maintenance work shop in a shed about 36 metres X 7 metres, having C. I. sheet portions and A. C. Shed roof.	4,60,000
21-2-1968 19.37 hours.	Messrs. Pannalal Sirk Mills, Atlas Mill Compound, Reay Road, Bombay 10.	Art silk cloth manu- facturer.	Firemen with 13 lines of 15 Motor Pumps.	4 Shearing, 4 Dyeing range, 4 folding framater, 1 high pressure beam dye- ing, 4 Tacker, 3 winding and other miscellaneous machines with 12 electric motors, some quantity of colour pigments, chemicals etc., and large quantity of art silk cloth as well as whole structure (45 metres X 54 metre) with electric wiring roof etc., severely damaged by fire, heat, smoke and water.	3,00,000
4-3-1968 14.04 hours.	Nhyalchand Lalubhai Compound, Chinch Pokli Cross Road, Rao Bahadur Bhogle Road, Bombay 33.	Waste cotton mer- chant, Electric cable merchant, old scrap merchant and Agent and Dis- tributor	Firemen with nine Motor Pumps.	About 5,000 Kgs. of cotton waste and rags, electric cables, two electric motors with spare parts, gunny bags, wooden work, tyres, old battery cases, etc., heavy machineries, spare parts, tracing cloth, steel furniture, cup- boards, office furniture, etc. severely damaged by fire, heat, smoke and water. Entire ground floor partly brick walled C. I. Sheet steel framed structure severely damaged by fire, heat, smoke and water.	8,06,500

Appendix No. II
BOMBAY FIRE BRIGADE

Summary of calls to Fires (including false alarms) showing the number of times appliances of the Fire Brigade attended and were extinguishing fires during the year 1967-68.

Sr. No.	STATIONS.	NUMBER OF FIRE ALARMS ATTENDED.	HOW CALLED					HOW ATTENDED											HOW EXTINGUISHED.											
								STATION APPLIANCES			AIDING APPLIANCES.																			
			Municipal.	Private.	By Strangers.	By false Alarms.	Control Room.	Total.	Motor Pump carrying Escape on Ladder.	Extension	Fire Unit	Escape	Extension	Motor Turn table Ladders.	Fire Unit.	Trailer Pumps.	Motor Emergency Tenders	Control Post	Hose Lorry	Sand.	Buckets.	Chemical Extinguishers.	Hand Pumps.	First Aid Appliances.	Hydrants.	N. of Motor Pumps.	No. of Jets.	B.A Sets	Automatic Sprinkler heads actuated.	Four Equipments.
1	Colaba	9	2	13	38	61	112	134	...	1	49	10	19	1	...	5	3	...	3	6	6	...	9	2	21	21	...	...	...	...
2	Fort	17	8	23	43	146	212	184	...	...	106	16	3	3	...	5	2	...	2	1	1	...	15	...	22	23	...	...	...	...
3	Memonwada	30	2	29	359	269	657	569	172	20	178	55	...	40	...	6	...	...	24	78	...	...	45	...	18	10	...	...	...	...
4	Gowalia Tank	27	2	38	168	188	394	364	...	...	200	69	76	7	...	14	1	...	3	10	8	...	23	...	...	...	...	...	...	11
5	Byculla	19	5	44	127	163	334	283	121	...	80	14	1	7	...	7	...	...	1	5	2	...	30	11	35	23	...	...	...	1
6	Worli	10	...	14	87	112	213	197	...	73	94	100	...	4	...	9	3	2	10	17	132	...	30	27	56	82	...	3	...	...
7	Dadar	24	2	16	119	218	353	320	160	...	27	165	...	11	9	7	1	...	6	16	221	...	40	16	51	58	...	...	...	...
8	Shivaji Park	...	...	13	48	86	147	1	135	...	90	14	...	12	...	3	1	1	9	10	32	...	21	7	15	19	...	3	...	...
9	Alexandra Docks	17	...	7	18	173	99	189	130	...	140	5	1	...	1	3	4	1	...	1	1	...	92	5	17	25	...	...	...	...
10	Mandvi	12	1	10	77	63	150	111	...	85	122	29	10	7	...	7	4	...	...	...	...	...	1	...	25	24	...	...	...	...
11	Sewree	10	6	12	32	97	141	130	3	2	72	43	...	42	...	8	...	...	1	4	77	...	41	13	65	74	...	...	...	...
12	Andheri	10	...	7	26	372	409	...	335	66	...	77	...	12	12	8	1	...	...	...	11	...	48	1	42	58	...	...	...	...
13	Vikhroli	...	...	18	...	199	217	14	137	...	2	62	...	7	1	3	3	4	...	8	1	...	25	3	41	65	...	...	...	...
14	Chembur	...	...	19	1	75	95	...	108	...	6	17	...	4	...	13	...	1	...	...	6	...	18	28	15	49	...	...	...	...
	Total	195	28	263	1143	2228	3628	2476	1301	247	1166	676	108	157	23	100	23	8	63	156	498	...	438	113	413	531	...	6	12	...

Appendix No. III

Monthly summary of Fires and annual losses for the period from 1958-59 to 1967-68.

Year.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total.	Estimated Loss.
1958-59	104	105	182	65	70	60	78	110	114	111	71	95	1,165	1,29,34,843
1959-60	102	91	95	76	70	75	83	124	108	118	137	127	1,198	1,71,31,950
1960-61	100	128	95	71	67	83	138	136	153	161	116	140	1,370	75,79,810
1961-62	141	104	87	101	56	82	120	187	109	137	119	125	1,358	82,24,968
1962-63	116	132	142	120	103	89	171	148	116	143	140	169	1,589	1,89,08,544
1963-64	169	149	155	122	107	140	157	169	184	210	178	143	1,828	73,25,612
1964-65	152	146	164	121	123	78	148	188	168	151	144	149	1,732	1,18,84,025
1965-66	154	154	139	148	116	115	151	170	133	156	145	171	1,752	11,12,000
1966-67	163	138	118	136	91	114	143	200	180	171	135	169	1,755	95,76,772
1967-68	156	151	204	150	117	124	181	228	147	185	149	194	1,936	1,59,72,216

APPENDIX No. IV
BOMBAY FIRE BRIGADE

Types of Rescue	In Fires	In accidents.	Total
(1) Number of persons rescued alive with burns and/or injuries and subsequently recovered	125	139	264
(2) Number of persons rescued alive with burns and/or injuries but subsequently died	66	35	101
(3) Number of human lives lost before arrival of the Brigade	15	15	30
(4) Number of casualties amongst Fire Service Personnel	2	1	3
(5) Number of animal lives rescued	...	23	23

APPENDIX No. V
BOMBAY FIRE BRIGADE

Fire Risk Covered :

(a) Textile, Woollen, Silk and artificial Silk (Rayon etc. Mills)	...	...	155
(b) Ginning Mills	...	...	...
(c) Cotton Presses	...	...	9
(d) Oil Mills	...	...	36
(e) Petrol and Oil Storages and refineries	...	...	183
(f) Match factories, fireworks and explosives manufacturers	...	...	2
(g) Explosives stores	...	...	12
(h) Processes involving dangerous petroleum products	...	...	4
(i) Cinematograph films, Celluloid Plastics and Bakelite Works	...	...	186
(j) Timber and wood working paper manufacture	...	...	232
(k) Chemical Works	...	...	43
(l) Gas and Electricity Undertaking	...	...	14
(m) Docks, Railways, Air-Port installations	...	...	28
(n) Warehouses, Goods Yards, Goods Sheds	...	...	462
(o) Manufacture of Rubber Goods	...	...	45
(p) Manufacture of other goods	...	...	400

Water Facilities :

(1) Hydrants and approximate capacity	...	...	9,346
(2) Water ponds	...	...	48
(3) Refilling Places	...	...	17
(4) Wells, Rivers and Canals	...	...	904
(5) Other facilities like static tanks, storage tanks, etc.	...	...	...

105
AND
Sea Water
around the
island of
Bombay.

APPENDIX No. VI.

Brief details of serious House Collapses during the year 1967-68.

FIRE BRIGADE.

Date and Time.	Place.	Business	CASUALTIES		Details.
			Death	Injured.	
1-4-1967 14.31 hours.	18/26, Vir Vithaldas Chandan Street and 13-25 Sherif Devji Street.	Hostery Factory	17	20	Entire rear side portion of a 6 floored, brick walled building about 9m x 24m collapsed. A number of persons strangled and buried underneath the fallen debris, and killing 17 persons. People stranded on the upper floors rescued by Fire Brigade. The injured were removed to Hospital.
6-7-1967 08.04 hours	Karani Bldg. Victoria Road 2nd X Lane.	Private	2	4	South east portion of a fourfloored, medium risk type of building had collapsed. 3 persons were already rescued (injured) and 3 more were trapped underneath the debris. The injured persons rendered first aid and removed to Hospital.
4-9-1967 15.38 hours.	171, Samuel Street, Prakash Bhavan.	Private	18	10	A four storeyed brick walled timber framed structure 18m. x 8m. gateway trapping several persons underneath the debris and 4 persons stranded on fourth floor were rescued by means of hook ladder and first floor ladders. 18 persons were rescued alive and removed to Hospital.
15-12-1967 14.31 hours.	Mamsa Estate Stables, 97, F. Moreland Road.	Horse Stables]	...	21	A ground floor, timber framed, tiled roof structure about 46m x 18m. used as Horse stables completely collapsed. 2 persons and 20 Horses were trapped under the debris and 18 others were injured. Two persons and 16 horses were extricated by firemen. Injured persons were rendered first aid and removed to Hospital.

MUNICIPAL GARDENS

GARDENS (City)

During the year 1967-68 the department maintained 167 sites consisting of 56 gardens, 78 recreation grounds, 3 fountains, 8 traffic islands, 6 open spaces, 8 bandstands, 5 box hedges and 3 statues.

Three new sites were developed into gardens and playgrounds and one garden is converted into a playground during the year under report.

Victoria Gardens

Victoria gardens continued to remain an attraction to the visitors of Bombay. Cages and Fencings have been decorated by multi-colour paintings. Animals and birds were added to the Zoo according to the requirements. All the pathways of the gardens were re-surfaced. The North-East corner of the Victoria Gardens is developed into lawns and geometrical flower beds. As usual botanical specimens were supplied to the colleges and institutions free of charge and facilities were given to the batches of students for study in the gardens.

Elephant, Camel, Pony and boating rides were the main attractions of the gardens.

Open Air Theatre

The Open Air Theatre in the Victoria Gardens was hired out to the public on reasonable rent on 88 occasions during the year under report for dramas, social gatherings and tamashas etc., and it is becoming popular day by day.

Maharshi Karve Road Garden

The garden on the old site of the European cemetery of Bombay at Maharshi Karve Road continued to remain visitors paradise and one of the main attractions of the Bombay City. The garden is provided with 80 Nos. of lights during the year under report.

Sion Hill Fort Garden

One of the neglected corners of the City which was in charge of archeological department of the Government of India has been taken over by the Corporation and handed over to this department. The site is under the project of landscape gardening. The completion work of the water fall giving natural appearance will be the main attraction of the site. The attraction created from the circulating water will also be one of the main features of this project. Landscaping with flowing water and fountains is also one of the attractive features. The development of one fourth of the total area is nearing completion.

Games

Directed games were conducted at 3 main centres on Municipal playgrounds by the private institutions who were given all facilities by this department. All India Basket Ball and Boxing Tournament were conducted at the 2nd Peerkhan Street Municipal Playground. Maharashtra State Women's Council has also conducted directed games in many of the Municipal gardens for the benefit of local children and they are giving very good service.

Municipal grounds were also given to many schools and many other public institutions for regular physical training activities and for their annual sports and tournaments.

Benches were provided in most of the gardens according to requirements. Lawns and pathways in the public gardens were maintained in good condition.

Nine hundred tree saplings were planted on the roadsides in the City and their growth is satisfactory.

Wild life week was celebrated and it was a great success.

The introduction of fee to the adult visitors for entry into the Victoria Gardens has improved the condition of the Victoria Gardens and has also reduced the nuisance of mawali elements and has increased the revenue of the Corporation by Rs. 1,50,225 during the year under report.

Categorywise summary of the livestock of the Zoo Section is as under:—

(1) Mammals	...	394	Nos.
(2) Birds	...	454	Nos.
(3) Reptiles	...	29	Nos.
Total	...	877	Nos.

Increase.—792 Mammals and 88 Birds were born, 221 Mammals, 28 Birds and 2 Reptiles were received as gifts. 12 mammals, 10 birds and 11 reptiles were purchased and 11 mammals, 22 birds and 1 reptile were procured in exchange.

Decrease.—38 mammals, 55 birds and 20 reptiles died. 703 mammals, 30 birds and 2 reptiles were sold and 3 mammals were given in exchange.

During the year 144 wild animals, birds and reptiles were treated in the zoo hospital and 106 specimens of pathobacteriological interest were examined at Senior Veterinary Inspector's Office and Bombay Veterinary College.

Veterinary students were taken round in the zoo and instructions on the subject of securing wild animals, the treatment, feeding and management, etc., were imparted.

The total expenditure and income from all the gardens and recreation grounds in Greater Bombay is Rs. 13,37,737 and 2,58,179 respectively.

GARDENS (Suburbs)

39 gardens, 2 playgrounds, 1 bandstand and 1 traffic island were maintained in the Suburbs during the year under report.

Juhu Park, Santacruz

This is the main attraction of the Suburbanities provided with modern type of children's play apparatus. Besides, water cooler is installed for giving cold water facility to the public.

Nine hundred tree saplings were planted on the roadsides in Suburbs and lawns and pathways in all the gardens were maintained in good condition.

GARDENS (Extended Suburbs)

Ten gardens and 1 statue were maintained during the year under report.

Nine hundred tree saplings were planted on the roadsides and lawns and pathways were maintained in good condition.

F. D. IRANI, B. Ag.
For Superintendent of Gardens.

VICTORIA AND ALBERT MUSEUM

The Museum committee was constituted at the suggestion of the Hon. Mr. Lumsden in 1855. The building was constructed subsequently and the museum was renamed as Victoria and Albert Museum. The museum was made open to the public on 22nd May 1872. In 1885 it was transferred to the Bombay Municipality (now Municipal Corporation of Greater Bombay). The exhibits are classified in different sections such as (1) Old Bombay (2) Cottage Industries (3) Fine Arts (4) Armoury (5) Mythology and Religion (6) Ethnology (7) Pre-history (8) Fossils (9) Minerals and (10) Agriculture. There is a reference library containing books on Art, (Indian and Foreign), Archaeology, Old Bombay, History etc., and coin cabinet containing Ancient Indian coins. The Museum remains closed on important holidays and on every Monday. It is reserved for ladies, children and students of primary schools on every Wednesday. Admission is free on Wednesdays and Thursdays. On the remaining four days Admission fee of 5 paise is charged per visitor above 12 years of age. During the year under report the office of the Curator of Museum was held by Shri S. W. Apte, Chief Librarian who had been asked to look after the duties of Curator of Museum in addition to his own upto 10th January 1968 and thereafter upto the end of the year Shri V. N. Barve, Ag. Head Clerk looked after the duties of the post. The progress of the Victoria and Albert Museum in terms of visitors, sale proceeds of Admission tickets etc. is summarised below :—

Year	No of days when Museum was open.	No. of visitors to the Museum.	Sale proceeds of admission tickets.	Sale proceeds of Museum Brochures.	Total expenditure.
1966-67	...	304	6,54,648	Rs. 16,205.55	Rs. 40,362.00
1967-68	...	296	5,50,868	Rs. 15,725.70	Rs. 41,172.00

V. N. BARVE,
for Curator of Museum.

MUNICIPAL LIBRARIES

As per Corporation Resolution No. 114, dated 24th May 1965, 14 Municipal Free Reading Rooms and Libraries out of 22 in Greater Bombay have been handed over to the Mumbai Marathi Granth Sangrahalaya for management.

Dadar Library is kept open between 7-30 A.M. and 7-30 P.M. Other Libraries are kept open between 7-30 A.M. and 11-00 A.M., 4-00 P.M. and 7-30 P.M. Book is issued against the deposit of Rs. 5 as per the rules in force. The Libraries are located in the different areas (Dadar, Kamathipura, Fydhoni (Bapu Khote Street), Minara Masjid, Mandvi, Lower Parel & Vile Parle).

All the Libraries remain closed on important holidays and on every Monday.

The details as regards Income, Expenditure, New Books purchased, No. of visitors etc, in respect of the Municipal Libraries are given below :—

Libraries	Year	New Books purchased	Cost	Visitors	Income inclusive of Grant-in-aid received from Government	Grant-in aid received from Government	Expenditure exclusive of payment made to M.M.G.S.	Payment made to the M.M.G.S.
			Rs.		Rs.		Rs.	Rs.
City	1966-67	1,500	5,312	2,40,197	481	...	65,888	30,000
	1967-68	308	1,432	2,53,625	254	...	67,614	30,000
Suburbs	1966-67	432	1,672	35,439	209	...	6,825	6,000
	1967-68	103	496	28,971	88	...	5,491	6,000
Extended Suburbs	1966-67	...	...	...	...	...	8,200*	6,000
	1967-68	...	...	...	...	...	11,484*	6,000

* This expenditure is on account of the Staff belonging to the Libraries in Extended Suburbs which is rendered surplus due to handing over of Libraries to Mumbai Marathi Granth Sangrahalaya. The services of the staff are being utilised for the Libraries in the City and Suburbs as a working arrangement. Steps have been taken to absorb the staff in the Establishment of Libraries in City and Suburbs. From the next year (i.e. 1968-69) this expenditure will be shown against City and Suburbs.

V. N. BARVE,
For Chief Librarian.

CENTRAL STORES

Tenders and Contracts.—Tenders were invited for the purchase of Stores (other than Plant and Machinery and Dietary articles) during the year under Report in 252 cases as against 216 cases in the preceding year. The number of contracts for the various schedule articles entered during the year was 300 as against 262 in the preceding year. The number of casual or market enquiries or quotations invited for articles not covered under the schedule was 307 as against 483 in the preceding year.

Plant and Machinery and Furniture Section.—This Section has made various purchases of Plant and Machinery and Wooden and Steel Furniture, Electrical and Automobile Accessories including tyres, tubes, petrol, diesel and lubricating oils for Municipal departments. For this purpose 100 tenders by public advertisement and 16 sealed quotations were invited involving a total cost of Rs. 47.72 lakhs approximately. 115 contracts for various articles under Plant and Machinery and Furniture Section were entered into during the year. Wooden and Steel Furniture required by various departments and the Hospitals were standardised purchased and inspected by the staff of this Section.

Diet Section.—33 Tenders amounting to Rs. 34.20 lakhs approximately were invited for the supply of dietary articles to Hospitals and Maternity Homes. In respect of items other than dietary articles *i.e.*, stationery, etc., 12 tenders were invited involving a total amount of Rs. 8.56 lakhs approximately. 47 Contract for various articles under Diet Section were entered during the year. For various hospitals and Maternity Homes about 3,801 quintals of wheat and rice worth about Rs. 2.71 lakhs were also purchased.

Sale of Unserviceable Articles.—The total amount realised by the sale of unserviceable articles including mixed scrap (excluding cast iron scrap which was retained for Municipal use) by private offers during the year amounted to Rs. 2.74 lakhs as against Rs. 2.08 lakhs in the preceding year.

Steel and Cement.—Statutory control over prices and distribution of iron and steel other than M. S. Plates, sheets, etc., was withdrawn by Government with effect from 1st March 1964 and that of M. S. Plates and Sheets with effect from 1st May 1967. No steel was purchased during the year, as we carried stocks.

During the year under report price and allotment of cement was controlled by Cement Allocation and Co-ordinating Organization (CACO). CACO was dissolved with effect from 1-1-1968 and the functions of this organisation were delegated by Government, to a new organisation called the Cement Corporation of India. In most cases cement was issued to Municipal Contractors from the Central Stores. However in a few instances where requirements were very large, sub-authorisations on cement suppliers were issued to the contractors for taking direct delivery, by the Dy. C. E. (P. & D.) who was the Controller of Cement for the Corporation.

During the year about 48,426 M. Tons of cement worth about Rs. 93.54 lakhs, 1,38,229 Metres of Galv. iron pipes worth about Rs. 8.65 lakhs and 3,40,410 Meters of cloth worth about Rs. 4.58 lakhs were purchased.

The value of stores and other materials purchased for stock at Central Stores during the year, including articles received from other departments on Return Stores Memo amounted to Rs. 169.86 lakhs as against Rs. 184.75 lakhs in the preceding year. Purchase of articles by Direct Debit to departmental grants amounted to Rs. 9.15 lakhs approximately.

3,654 Orders for the purchase of stores were placed with the contractors and other dealers as against 4,724 orders in the preceding year.

26,652 Indents and Sales Memo were received from the departments as against 26,815 in the preceding year.

The total turn over of this departmenta *viz.*, the receipts and issues of stores during the year came to Rs. 372.82 lakhs as against Rs. 327.43 lakhs in the preceding year.

The balance of stock on hand on 31-3-1968 was worth Rs. 105.41 lakhs as against 138.52 lakhs in the preceding year.

Statement "A" showing Stores transactions during the year and Statement "B" giving details of major items of stock on hand at the close of the year are appended.

APPENDIX 'O'

Statement 'A' showing Stores Transactions during the year 1967-68

Particulars	CENTRAL STORES			
	Capital Stores	General Stores	Line Suspense Account	Total of Columns 2, 3 & 4
(1)	(2)	(3)	(4)	(5)
	Rs.	Rs.	Rs.	Rs.
Value of Stores on hand on 1st April 1967.	1,22,13,673.17	15,51,901.16	86,802.99	1,38,52,382.32
Value of stores received including transfers during 1967-68 ...	1,21,65,787.27	48,19,798.77	Nil.	1,69,85,586.04
Total ...	2,43,79,465.44	63,71,699.93	86,802.99	3,08,37,968.36
Less—Value of stores issued including transfer during 1967-68 ...	1,51,51,890.17	51,44,833.26	47.25	2,02,96,770.68
Balance on 1st April 1968 ...	92,27,575.27	12,26,866.67	86,755.74	1,05,41,197.68
Average Annual Inventory ...	80,69,697.09	12,47,941.76	86,755.74	94,04,284.59
Ratio of total annual issues to average inventory level during the year (i.e. total issues : Inventory level)	1 : 1.83	1 : 4.12	1 : 0.0005	1 : 2.16

K. S. PESINA,
Controller of Stores.

APPENDIX 'O'

Statement 'B' showing the details of stock held on 31st March 1967 and 1968 at Central Stores

Serial No.	PARTICULARS	Balance on 31st March 1967		Balance on 31st March 1968	
		Rs.	P.	Rs.	P.
CAPITAL ACCOUNT					
(1)	Cement	3,17,643.16		4,42,830.44	
(2)	C. I. Pipes, Manholes, Hydrants, Water and Drainage Castings, etc.	77,42,569.00		57,23,262.44	
(3)	M. S. Round Bars, flats, squares, C.I. G.I. and Black sheets, plates S. P. tanks, etc.,	27,77,376.91		18,83,701.98	
(4)	Pipes Stoneware and Hume	6,949.27		7,021.09	
(5)	Galvanized Pipes and Fittings	4,42,272.98		4,81,015.01	
(6)	Lead Pig Lead Wool and Lead Pipes	7,35,113.91		6,21,703.21	
(7)	Asbestos sheets and pipes and fittings	1,91,752.94		60,991.10	
LINE SUSPENSE ACCOUNT.					
(8)	Water works castings on the line	86,802.99		86,755.74	
GENERAL ACCOUNT.					
(9)	Spindles brass and fittings	3,93,247.14		2,44,054.05	
(10)	Meter parts	8,313.69		8,313.69	
(11)	Bolts, Nuts, Rivets, Nails, Washers and Hardware, etc.	39,072.43		42,673.15	
(12)	Brooms Coa, Date and Brushes	21,320.27		6,653.82	
(13)	Cables and wires	93,506.87		57,452.50	
(14)	Electric Accessories, Bulbs Fans Electrodes, Dry cells, etc.	62,201.25		58,515.94	
(15)	Files and Rasps	3,129.60		4,440.92	
(16)	Oil Castor, Coconut, Sweet, Kerosene, Grease, Lubricating, etc.	9,653.87		10,592.73	
(17)	Timber, Ladder, Shaft Bhandiwood, Nowghani Poles, Plywood sheets, etc.	1,292.57		4,433.16	
(18)	Clothing	4,00,237.36		3,78,660.31	
(19)	Disinfectants, Tropical chloride of Lime, Cleaning powder,	12,017.22		7,154.57	
(20)	Tools, Machinery, foot rules, spanners, drills, saws, auger screws, etc.	22,596.35		21,493.96	
(21)	Soap and Soda	40,382.45		24,846.49	
(22)	Baskets cane, bamboo and wooden	9,514.88		24,742.69	
(23)	Buckets, dust bins, Ghamelas, Enamelware, Glassware, Hurricane Lanterns, etc.	1,20,854.02		1,04,382.79	
(24)	Hose rubber, belting, canvas	37,853.51		23,038.57	
(25)	Wires, brass rods, copper sheets, zinc sheets, etc.	91,518.92		50,454.05	
(26)	Leather hides, chamois, chappals, plungers, boots and other leather articles	6,309.78		15,163.10	
(27)	Coir goods, cotton goods, yarn spun, waste cotton, packing asbestos, etc.	10,758.82		16,177.19	
(28)	Paints, Powders, linseed oil and turpentine	61,374.18		41,044.99	
(29)	Locks of sorts	14,775.28		29,763.45	
(30)	Miscellaneous, (Polish, candles, glue, gum, tiles, Powras, showels, typewriters, etc.)	91,960.70		63,555.44	
	Total Rs. ...	1,33,52,382.32		1,05,41,197.68	

K. S. PESINA,
Controller of Stores.

LICENCE DEPARTMENT

Licence Department functions in various wings viz., (1) Licence Section, (2) Encroachment Section, (3) Stall Board etc., projections Section, (4) Advertisement Section and (5) Shops & Establishments Section and deals with Sections 394, 412A, 393, 313A, 313B, 414, 328 and 328A of the Bombay Municipal Corporation Act, the Bombay Shops and Establishments Act 1948, Payment of Wages Act 1936, Minimum Wages Act 1948 and Workmen's Compensation Act 1923.

(1) LICENCE SECTION

This Section issues Licences under Section 394, 412 A and 393 of the Bombay Municipal Corporation Act with a view to regulate the storages of hazardous and combustible goods, trades, steam whistles and steam trumpets on recovery of Licence fees as per the schedule approved by the Corporation.

Development control rules are made strictly applicable to the cases where the storages and trades have come up on or after 1st April 1963. A 'Guide for Licensing of storages and trades vis-a-vis Development Control Rules' is published for the guidance of the staff.

In view of the Maharashtra Government Notification published in the Maharashtra Government Gazette Extra-ordinary (Extra No. 75) dated 30th April 1965 and further Government Notification No. B.M.C/5167/13744-C, dated 20th April 1967, effective from 24th April 1967, Corporation have accorded their sanction vide C.R. No. 72 dated 2nd May 1967 and C.R. No. 2087 dated 11th March 1968 to modify the schedule of licence fees which was sanctioned vide C. R. No. 1947 dated 26th March 1964.

Total number of licences issued during the last three years under Sections referred to above is shown in Appendix 'A'.

(2) ENCROACHMENT SECTION

This Section functions with double purpose namely controlling hawkers and squatters by licensing under Section 313A and B of the B.M.C. Act and prohibiting unauthorised hawkers from the roads and footpaths under Section 314 with the help of encroachment removal lorries. The total number of licences issued to hawkers and squatters is shown in appendix 'B'. Policy framed by Hawkers' Sub committee is being followed and new Reserved Areas are created and new licences are being issued by the Ward Officers in consultation with the Ward Councillors.

During the year, 1887 auction sales of the articles seized by the encroachment removal staff but not redeemed by the parties were held out of which 1882 in respect of non perishable goods and 5 in respect of perishable goods. Amount of Rs. 32,513.47 was realised as auction sale proceeds as against Rs. 32,515.00 last year.

(3) STALL BOARD SECTION

This Section deals with issue of licences for erection of Stall Board, Weather Frame, overhanging Awning, Show cases, Steps, Cupboards etc., under Section 313(1) of the B. M. C. Act. The total number of licences issued and the amount realised by way of licence fees during the last three years is given in Appendix 'C'.

(4) ADVERTISEMENT SECTION

This Section enforces Section 328 and 328A of the B.M.C. Act and thereby regulates various types of advertisements in Greater Bombay.

A booklet containing the 'Policy and Procedure for advertisement permits' has been printed for the guidance of the staff.

(5) SHOPS & ESTABLISHMENTS SECTION

This Section administers Bombay Shops and Establishments Act 1948, Payment of Wages Act 1936, Minimum Wages Act, 1948 and Workmen's Compensation Act 1923.

The total number of establishments registered under Section 7 of the Bombay Shops and Establishment Act 1948 is given in Appendix 'F'.

The number of complaints pending at the close of the previous year, received and investigated during the year and pending at the end of the year is shown in Appendix 'G'.

A statement showing number of prosecutions launched, fines inflicted etc., during the preceding year and the year under report is shown in Appendix 'H'.

Financial.—The Government sanctioned a total grant-in-aid of Rs. 3,43,230.00 for the year 1967-68 as part of expenditure towards administration of the Bombay Shops and Establishments Act 1948, during the year 1966-67. Out of the above grant, a share of Rs. 2,93,637.00 was allocated for City (Budget A, Division I), Rs. 37,589.00 for Suburbs (Budget A, Division II) and Rs. 9,004.00 for Extended Suburbs (Budget A, Division III). The income by way of registration etc., fees for the year 1967-68 was Rs. 2,09,880.35 for City Rs. 41,154.72 for Suburbs and Rs. 20,881.25 for Extended Suburbs. The figures of income for the previous year were Rs. 2,34,289.98 and Rs. 48,220.48 and Rs. 22,506.40 for City, Suburbs and Extended Suburbs respectively. The expenditure on account of the administration of the Bombay Shops and Establishment Act, 1948, and Payment of Wages Act, 1936, etc., during the year 1967-68 was Rs. 4,39,111.60 for City, Rs. 1,17,431.59 for Suburbs and Rs. 45,297.60 for Extended Suburbs (exclusive of provident Fund and Leave Contributions and Supervision Charges).

Payment of Wages Act 1948.—The number of complaints received and disposed of during the year is shown in Appendix I. During the year under report, 10 cases were filed under the Act out of which 7 have been decided and 1 has been dismissed & 2 are pending at the close of the year. In 2 cases accused were fined Rs. 25 in each case.

Minimum Wages Act, 1948.—The total number of visits paid to the establishments covered under the Act for the enforcement of the Act during the year are as under :—

Category	City	Suburbs	Extended Suburbs
Shop	3,353	1,057	151
Commercial Establishments	1,225	184	27
Restaurants and Eating Houses	645	295	61
Total	5,223	1,536	239

As a result of intervention of the Inspector of this Section, an amount of Rs. 52,170.39 was distributed to 506 employees from City, Rs. 1,553.00 to 18 employees from Suburbs and Rs. 166.18 to 5 employees from Extended Suburbs by way of increase in wages, difference, etc. The number of complaints received and disposed of during the year is shown in Appendix 'J'.

Workmen's Compensation Act, 1923.—During the year under report, no Establishments was visited for the above purposes.

(6) PROSECUTIONS

During the year under report, 4,972 prosecutions were launched for the offences against the provision of the Sections 394, 328, 328A and 412. The details thereof along with the details of the preceding two years are given in Appendix 'E'.

(7) MASS RAIDS

During the year, 26 Mass Raids were taken and the results thereof are shown in Appendices 'K' & 'L'.

GENERAL

The Licence Sections of L & M and N & T Wards which were located at Kurla Office and Ghatkopar Office respectively have now been bifurcated for the convenience of the public. The offices of L, M, N & T Wards are now situated at Kurla, Chembur, Ghatkopar and Mulund respectively.

Renewal of licences under Section 314, 412-A and 313-A (Stall Board Projections etc.) was done during the month of April 1967.

C. K. PATEL.
Superintendent of Licences.

APPENDIX 'A'

Statement showing the no. of licences and permits issued and fees recovered in the years 1965-66 to 1967-68.

Particulars.	NO. OF LICENCES AND PERMITS									AMOUNT OF FEES REALISED								
	CITY			SUBURBS			EXTENDED SUBURBS			CITY			SUBURBS			EXTENDED SUBURBS		
	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68
(1) Commodities and trades including 1st & 2nd products (Section 394 and 412A) ...	37,502	45,195	45,493	9,303	9,957	11,227	2,576	3,326	5,116	25,69,817.58	27,10,641.88	25,02,043.93	12,73,668.49	13,03,118.06	11,68,102.52	4,18,330.00	5,07,050.62	4,67,910.52
(2) Blowing steam whistle (Section 393) ...	43	44	53	10	17	31	...	1	8	1,327.50	1,555.00	1,510.00	332.50	589.13	630.00	...	30.00	82.50
(3) Factory permits (Section 390) ...	...	...	...	...	...	...	169	75	...	...	...	...	...	...	...	28,286.00	20,740.00	...
Total ...	37,545	45,239	45,546	9,313	9,974	11,258	2,745	3,402	5,124	25,71,145.08	27,12,196.88	25,03,553.93	12,74,000.99	13,03,707.19	11,74,732.52	4,46,616.00	5,27,820.62	4,67,993.02
(4) Transfer of fees (Section 394 and 412A) ...	...	445	681	...	172	149	...	55	53	6,986.00	6,638.60	7,872.50	1,890.25	1,903.25	2,003.25	415.00	550.00	582.50
Grand total ...	37,545	45,684	46,227	9,313	10,146	11,407	2,745	3,457	5,177	25,78,131.08	27,18,835.48	25,11,426.43	12,75,891.24	13,05,670.44	11,76,735.77	4,47,031.00	5,28,370.62	4,68,575.52

APPENDIX 'B'

Statement showing the no. of Hawkers and Licences issued and amount of fees collected during the year 1965-66 to 1967-68.

Description	Year	No. of LICENCES ISSUED			AMOUNT OF FEES COLLECTED		
		City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs
(1) Squatter's fees collected in the reserved areas (under Section 313).	1965-66 ...	50,548	6,700	152	Rs. 9,03,513.48	Rs. 1,84,487.00	Rs. 15,778.55
	1966-67 ...	53,369	5,985	146	10,35,732.93	2,45,648.12	18,265.60
	1967-68 ...	56,419	6,381	138	10,35,167.33	2,54,199.29	20,785.50
(2) Fees received from itinerant hawkers licences (under Section 313-A).	1965-66 ...	14,152	5,732	117	...	54,488.40	11,489.00
	1966-67 ...	16,491	5,857	185	...	55,339.40	21,502.03
	1967-68 ...	14,472	5,056	204	...	61,273.20	21,005.10
Total of items land 2 ...	1965-66 ...	64,700	12,432	269	9,03,513.48	2,41,975.40	27,267.55
	1966-67 ...	69,860	11,842	331	10,36,732.93	3,00,987.52	39,767.63
	1967-68 ...	70,971	11,437	342	10,35,167.33	3,15,472.49	41,790.60
(3) Recovery of expenses (under Section 490) for removal of Encroachments under Section 314.	1965-66 ...	...	7,132	858	2,64,272.70	39,438.55	19,098.50
	1966-67 ...	...	...	...	2,92,747.32	37,941.80	21,174.42
	1967-68 ...	...	...	...	2,99,834.45	40,735.90	20,988.45
Final Total ...	1965-66 ...	64,700	19,564	1,127	11,67,786.18	2,81,413.95	46,366.05
	1966-67 ...	69,860	11,842	331	13,27,480.25	3,38,929.32	60,942.05
	1967-68 ...	70,971	11,437	342	13,35,001.78	3,56,208.39	62,779.05

APPENDIX 'C'

Statement showing the number of licences issued in respect of Stall Boards, etc., projections in City, Suburbs and Extended Suburbs during the year under report

	No. of LICENCES ISSUED			AMOUNT OF FEE RECOVERED		
	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs
				Rs.	Rs.	Rs.
	32,471	1,495	319	12,26,760.98	2,17,910.93	62,642.46

APPENDIX 'D'

Statements showing the number of permits for advertisements issued and amount of fees collected during the year 1965-66 to 1967-68 under Section 328, 328A.

Particulars	NUMBER OF ITEMS									(AMOUNT OF FEES (INCLUDING COMPOSITION))								
	CITY			SUBURBS			EXTENDED SUBURBS			CITY			SUBURBS			EXTENDED SUBURBS		
	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68	1965-66	1966-67	1967-68
									Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	
(1) Wall posters hoardings and boards ...																		
(2) Moveable boards and handcars ...																		
(3) Illuminated advertisement skysigns ...	5,182	6,214	6,604	1,224	1,273	1,337	354	342	457	5,53,298.40	7,51,299.44	8,00,816.87	1,85,329.00	1,83,018.76	2,30,357.74	45,564.31	44,560.09	49,414.20
(4) Non-illuminated signs ...																		
(5) Wall Paintings ...																		
(6) Ground rent ...										41,535.00								
Total	5,182	6,214	6,604	1,224	1,273	1,337	354	342	457	5,74,833.40	7,51,299.44	8,00,816.87	1,85,329.00	1,83,018.76	2,30,355.74	45,564.31	44,560.09	49,414.20

APPENDIX—E

Statement showing the number of prosecutions launched during the years 1965-66 to 1967-68 and the results thereof

Year	Offence under Section	No. of cases remaining undispensed of			Total No. of cases instituted			No. of cases withdrawn on compliance of law			No. of cases which resulted in conviction			Amount of fines inflicted			No. of cases which resulted in acquittal			No. of cases remaining undispensed at the close of the year		
		City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs	City	Suburbs	Extended Suburbs
													Rs. P.	Rs. P.	Rs. P.							
1965-66	394	672	559	193	2,302	1,513	525	509	290	44	1,879	408	260	1,64,485.00	77,860.00	24,855.00	43	8	47	543	1,366	367
1966-67	...	543	1,366	367	1,634	1,105	484	428	400	70	776	587	249	1,44,110.00	98,945.00	46,405.00	50	11	66	923	1,473	466
1967-68	...	923	1,473	466	1,745	1,058	565	412	369	204	905	617	264	1,06,325.00	83,700.00	53,850.00	69	18	39	1,282	1,527	524
1965-66	412A	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1966-67	...	...	...	...	12	...	...	...	...	...	8	...	...	40.00	...	...	...	...	...	4	...	...
1967-68	...	...	...	...	17	...	...	...	...	...	4	...	...	100.00	...	...	...	...	...	13	...	...
1965-66	328 & 328A	2,889	101	...	759	582	32	1,330	119	9	143	79	6	1,500.00	933.00	27.00	4	...	1	2,171	485	16
1965-67	...	2,171	485	16	888	229	33	1,363	520	16	345	94	22	8,761.00	4,648.00	227.00	29	10	...	1,322	90	11
1967-68	...	1,322	90	11	894	663	30	1,307	165	4	485	174	12	4,210.00	2,210.00	290.00	34	...	...	390	414	25

APPENDIX 'F'

Category	City	Suburbs	Extended Suburbs
Shops	57,411	16,968	5,817
Commercial Establishments	24,099	1,948	2,457
Residential Hotels	298	70	16
Restaurants and Eating Houses	5,347	1,643	511
Theatres etc.	73	18	9
Total	87,228	20,647	8,810

APPENDIX 'G'

No. of complaints	City	Suburbs	Extended Suburbs
Pending at the close of the previous year	39	14	6
Received during the year	1,608	274	103
Investigated during the year	1,576	284	94
Pending at the end of the year	71	4	15

APPENDIX 'H'

Year	Cases pending from the previous year	Cases filed	CASES DISPOSED OF					Total	Cases pending at the close of the year	Fines		Average fine per case
			Convictions	Withdrawals	Acquittals	Abated	Warned and discharged			Rs.	P.	
<i>City</i>												
1966-67 ...	2,389	12,395	12,581	137	36	2	...	12,756	2,028	4,01,442	31.09	
1967-68 ...	2,023	5,768	5,396	6	20	...	...	5,422	2,374	1,83,535	34.00
<i>Suburbs</i>												
1966-67 ...	518	1,456	1,516	2	1	1	...	1,520	454	50,870	33.56	
1967-68 ...	454	1,181	1,163	1	2	...	...	1,166	469	39,610	34.00
<i>Extended Suburbs</i>												
1966-67 ...	37	427	396	1	2	...	...	399	65	12,135	30.08
1967-68 ...	65	359	312	...	...	...	...	312	112	9,605	31.00

APPENDIX 'I'

Complaints	City	Suburbs	Extended Suburbs
Pending at the close of the previous year	1	...	...
Received during the year	131	35	12
Disposed of during the year	131	35	9
Pending at the end of the year	1	...	3

APPENDIX 'J'

Complaints	City	Suburbs	Extended Suburbs
Pending at close of the previous year	1	...	...
Received during the year	117	6	1
Investigated during the year	117	6	1
Pending at the end of the year	1	...	...

APPENDIX 'K'

Statement showing the results of 26 mass-raids taken during the year 1967-68.

Serial No.	Under Section	Total Number of Premises inspected	Total Number of licences	No. of cases in which infringements were detected	No. of new cases detected
1	394	4,118	1,943	164	555
2	313	2,696	1,566	285	1,058

Under Section 313-A

(Mass-raids for removal of unauthorised encroachments and projections on foot-path)

1. No. of items including hand-carts removed as encroachments: loaded Hand carts 186 Empty Hand Carts 68, items 2684.

Under Section 328 and 328A

1. Total No. of advertisements detected : 2,474

APPENDIX 'L'

	City	Suburbs	Extended Suburbs
Shops and Establishments Act	457	183	82
Minimum Wages Act	12	...	...

MARKET DEPARTMENTS

(CITY)

(1) Receipts.—The total income from the Markets and Slaughter Houses was Rs. 76.98 lacs as against Rs. 74.50 lacs in the preceding year.

(2) Markets.—In all there were 43 Markets in the City. 29 Municipal and 14 Private Markets (Licensed by the Bombay Municipal Corporation). The licence fees recovered from the owners of these private markets amounted to Rs. 84,220.00 as against Rs. 93,423.00 during the previous year.

(3) Outside Shops.—There were 199 (189 meat and 10 fish) outside Shops in the City licensed by the Municipal Corporation in addition to meat and fish stalls in Municipal and Private Markets, for sale of mutton, beef, pork and fish. The licence fee realized was Rs. 19,150.00. 61 licences were issued to Private parties for the sale of imported meat, refrigerated meat, frozen fish, Ham, Bacon and Sausages and the licence fee realised was Rs. 5,510.00.

(4) Scale shed.—During the year under report the total fees collected at the Scale shed Mahatma Jyotiba Phule Market amounted to Rs. 9,95,022.00 as against Rs. 9,76,751.00 during the previous year.

(5) Fish Season.—During the year under report the total quantity of fish brought to the markets was about 33,188 Metric tons as against 30,374 Metric tons during the previous year. The arrival of fish was normal during the year.

(6) Cold Storage facilities.—The cold storage Plant at Mahatma Jyotiba Phule Market continued to meet the requirements of preservation of fish, vegetables, fruits, meat, eggs, milk and milk products, etc. The plant consisted of 3 chambers, one for storing fish at 28°F. to 31°F., one for mutton at 31°F. to 37°F. and one for vegetables, etc., at 35°F. to 40°F. The plant is worked by the FREON 12 system with four wasting House condensing units and direct expansion coolers. OZONE generator for deodourising and disinfecting bacteria in chambers is also provided.

The approximate quantity of perishable goods deposited and amount realised by way of fees at the Cold storage during the year under report were as under :—

Commodity	Quantity deposited		Amount Realized	
	1966-67	1967-68	1966-67	1967-68
	Kgs.	Kgs.	Rs.	Rs.
Fish	20,65,500	7,85,500	} 49,221.00	} 27,864.00
Fruit and Vegetables	14,14,600	12,78,700		
Mutton	5,00,700	1,66,900		
Eggs	6,74,400	6,14,400		
Milk and Milk Products	3,28,500	3,10,600		

The Mutton and Fish Sections of the Cold storage were closed down for nearly six months due to failure of certain machines. Hence the decrease in income.

(7) Receipts.—The total receipts during the year amounted to Rs. 76,98,023.00 as against Rs. 74,50,700.00 during the previous year. There is slight increase in the total receipts on account of improved receipts under stallages, squatter fees, slaughter fees and fair fees.

(8) Stalls and spaces in Markets.—In all Markets in the City there were 4,069 regular stalls provided for sale of different commodities such as flowers, fruits, vegetables, fish mutton, beef, pork, poultry, eggs, etc. The stalls continued to be well occupied throughout the year. In addition to these regular stalls, there were about 627 spaces in the Municipal Markets in the City provided for persons doing day to day business. Spaces provided for on daily payment basis also were continuously occupied throughout the year.

(9) All markets including private markets were regularly supervised. The Veterinary Officers and qualified Public Health (Sanitary) Inspectors, carried out the work of inspection of articles of food such as meat, fish, fruits, vegetables, etc., with a view to preventing the exposure of unwholesome food articles for sale of human consumption. During the year under report 6,77,012 kilograms of unwholesome food articles in the aggregate were destroyed.

Special mention may also be made of the inspection carried out by the Veterinary Officers of Livers and blood consignments imported by certain pharmaceutical firms from various centres outside Bombay. The amount realised by way of imported inspection fees was Rs. 14,644.00 during the year.

(10) Surprise Raids.—Surprise raids to detect the smuggling and unauthorised slaughter of animals and also the import and sale of contraband meat were carried out by the staff specially appointed for this purpose. During the year 1,28,736 kilograms of contraband meat was seized and destroyed. In all 2,392 seizure were effected in different parts of the City and 2,331 prosecutions were instituted. The fine imposed amounted to Rs. 16,687.00. The amount realised by selling seized animals and skins etc., was Rs. 918.00. In addition to this an amount of Rs. 4,290.50 was recovered by way of penalty from the different parties who were found importing animals into the city without requisite permits.

CITY MUNICIPAL CORPORATION SLAUGHTER HOUSES

(11) Two main Municipal Slaughter Houses, viz., one at Bandra for slaughter of horned cattle, buffaloes, sheep and goats and other at Sane Guruji Marg for slaughter of pigs were continued to be operated during the year. The slaughtering chamber at Sheep Market at N. M. Joshi Marg meant for slaughter of sheep and goats for religious purposes was continued the year to meet the demands from the public. The Jhatka Slaughter House at Sane Guruji Marg, which was owned privately and licensed by the Corporation was also in operation during the year as usual. The revenue derived from the source amounted to Rs. 23,29,359.00 as against Rs. 21,87,763, during the previous year.

Licences granted for slaughtering of frogs at Dharavi were further renewed during the year.

(12) The main Slaughter House at Bandra is old and outdated. The proposed shifting of the same to Deonar was in progress.

(13) The number of animals brought to the fair ground at Bandra Slaughter House and at Sane Guruji Marg Pig Slaughter House and the number of animals slaughtered at both the places as compared with them those of the previous year were as under :—

Year	Animals brought to the fair ground at Bandra Slaughter House and Pig Slaughter House at Sane Guruji Marg.					Animals slaughtered				
	Bu'faloes	Horned cattle	Sheep & Pigs goats.	Pig-lings.		Buffaloes	Horned cattle	Sheep and goats	Pigs	Pig-lings
1966-67	10,330	79,049	21,56,393	12,786	36	10,325	79,289	13,76,307	12,550	35
1967-68	10,820	85,460	20,29,808	11,466	13	10,759	84,664	13,67,828	11,357	13

(14) Government Veterinary Staff as usual inspected the horned cattle and buffaloes in the Slaughter House as per the provisions of Cattle Preservation Act. Animals intended for slaughter were subjected to proper ante mortem and post mortem inspection by qualified Veterinary Staff. Unwholesome meat detected was seized and destroyed by the staff of the Slaughter House.

(15) The principal causes of ante mortem rejection of animals were Emaciation, Exhaustion, Pregnancy, Sheep pox, foot rot, Actinomycosis and Febrile conditions, diarrhoea and other diseases of infectious nature rendering meat unfit for human consumption. In case of buffaloes and horned cattle most of rejections were due to animals being young and fit for breeding, milch, farm or cart purposes.

(16) The main causes of post mortem condemnation were cysticercus bovis, liver fluke, Abscesses, Bruises, Sarcocystis, Hydatidosis and other parasitic and Nodular infections of liver and lungs. The causes for rejection of pigs were Tuberculosis, Cysticercus, Cellulosae, Bruises, Hydratodosis, etc.

(17) The approximate weight of dressed carcass meat of buffaloes and cattle was 11,058.70 Metric tons, that of sheep and goats 13,573.30 metric tons and that of pigs 283.99 Metric tons. Most of this meat produced was for meeting the demand in the city. The quantity of the meat rejected and destroyed, as unfit for human consumption was 46.50 metric tons of beef, 33.10 Metric tons of mutton and 3.57 Metric tons of pork which worked out to 0.042, 0.024 and 0.12 per cent. respectively of the total meat.

(18) Lectures and Demonstrations on Food Inspection, Meat Hygiene, etc., were given to Medical and Veterinary students of different Medical and Veterinary Colleges as also to the students preparing for Public Health Inspectors' Examination from Bombay Municipal Corporation and Local Self Government Institute.

V. PERIYAN,
Superintendent of Markets
and Slaughter Houses.

Statement showing the receipts under different items during the year 1967-68 and of the previous year.

Serial No.	1967-68	1966-67
	Rs.	Rs.
1 Stallages	24,01,430	23,55,000
2 Squatter fees	14,98,520	14,11,424
3 Admission fee collected at Bandra Slaughter House	6,53,151	7,74,642
4 Slaughter and removal fees collected at Bandra Slaughter Houses, Sheep Market at N. M. Joshi Marg and Pig Slaughter House	16,26,412	13,84,962
5 Licence fees collected from stalls and shops in Municipal Markets	17,947	18,495
6 Licence fees for doing different type of business at Bandra Slaughter House	23,090	26,209
7 Licence fees from Private Markets' Owners	84,220	93,423
8 Licence fees from firms dealing in foreign frozen fish and imported meat, ham, bacon and Sausages, etc.	5,510	5,662
9 Licence fees from outside meat shops	19,150	18,875
10 Licence fees from Butchers in Private Markets	5,962	6,487
11 Licence fees from Kamatrees slaughterers, etc., in Pig Slaughter House at Jhatka Slaughter Houses	1,638	1,550
12 Licence fees from Brokers in different Municipal Markets	1,06,162	94,037
13 Scale-fees at M. J. Phule Market	9,95,002	9,76,751
14 Sale of right of Blood at Bandra Slaughter House	25,515	25,515
15 Sale of right of removing bone pieces at Bandra Slaughter Houses	400	400
16 Nokarnama fees	5,688	6,071
17 Cold Storage fees	27,864	49,921
18 Law Charges	65	65
19 Ground rent	72,208	61,801
20 Chawl rent	46,350	19,288
21 Miscellaneous	81,719	1,20,122
Grand Total	76,98,023	74,50,700

(SUBURBS)

There were 19 Municipal Markets and 2 Private Markets in the Suburbs. There were 174 Outside Meat Shops in Suburbs.

The number of Municipal Slaughter Houses and Slaughtering Chambers during the year was 1 and 4 respectively. The slaughtering chamber at Chirag Nagar Market was closed down from 1st September 1967 as per Court's decision. The total number of animals brought for slaughter at present Slaughter House and Slaughtering Chambers in Suburbs and the number of animals slaughtered thereat after ante mortem examination, as compared with those of previous year, is as follows:—

Year	Animals brought for slaughter at different slaughter Houses			Animals slaughtered		
	Buffaloes	Horned cattle	Sheep and goats	Buffaloes	Horned cattle	Sheep and goats
1966-67 ...	7,632	628	1,53,112	5,341	625	1,42,886
1967-68 ...	7,540	830	1,49,623	7,533	630	1,48,906

The approximate weight of dressed meat of buffaloes and horned cattle was 18,64,250 Kgs. and that of sheep and goats was 14,89,060 Kgs.

The total meat destroyed at Kurla Slaughter House was 2,789 Kgs. during the post-mortem examination.

The following improvements were made in the Municipal Markets and Slaughter Houses during the year under report:—

- (1) Providing wooden cabin for the use of Head Inspector as office at Khar Market.
- (2) Providing shed to the existing plat-form on West side of Fish Section at Bandra Town Market.
- (3) Repairs to Pork Market, Bandra.
- (4) Asphalting the ground at Vegetable Section, Pali Market.
- (5) Providing pucca passage leading to Lavatory Block at Santacruz Market.
- (6) Changing the entrance of the staircase fish section Santacruz Market.
- (7) Construction of a shed at Kalina Market.
- (8) Extension of fish plat form at Kalina Market.
- (9) Construction of R.C.C. stalls at Pali Market.
- (10) Repairs to the roof of the stalls on East side of Bandra Town Market.
- (11) Enclosing the Versova Market with asphalt and drum-sheets and 'X' P.M.

The unwholesome articles of food such as fish, fruits, vegetables, meat, etc., weighing 22,071 Kgs. were destroyed during the year in different Markets.

The total meat destroyed was 24,850 Kgs. as against 18,401 Kgs. during the last year.

In all 399 raids were carried out for detecting unauthorised slaughter of animals in Subürbs. In all 217 cases were filed and all the accused were convicted and fined. The amount of fines inflicted during the year was Rs. 5,944.00.

The total amount realised in auction sale of confiscated animals, sale of skins etc., was Rs. 1,447.00

Statement showing the receipts under different items during the year 1966-67 and 1967-68.

Serial No.	Particulars	Amount received during 1966-67		Amount received during 1967-68	
		Rs.	P.	Rs.	P.
1	Stallage Charges	...	4,11,313.37	3,73,274.54	
2	Squatter Fees	...	2,83,553.56	3,22,721.12	
3	Slaughter fees	...	4,70,667.50	4,94,378.40	
4	Miscellaneous Receipts	...	26,485.39	30,872.30	
5	Licence fees	...	25,354.54	26,424.94	
6	Share of enhanced entrance fees	...	1,06,038.45	1,17,274.25	
7	Rent of Building	...	...	968.86	
			13,23,412.81	13,82,041.49	
				13,65,914.41	

V. PERIYAN,
Superintendent of Markets
and Slaughter House.

(EXTENDED SUBURBS.)

There were 10 Municipal Markets including 3 open Air Markets and 6 Private Markets during the year. There were 40 outside meat Shops in Extended Suburbs.

The slaughtering of animals (Sheep and Goats) was done at the slaughtering chambers attached to Borivli, Kandivli and Mulund Markets, and at Private Markets at Goregaon and Malad. The total number of animals brought for slaughter at the Municipal Slaughtering Chambers during the year was 26,209 out of which 57 were dead and 150 animals were rejected on ante-mortem examination. The total number of animals slaughtered was 26,002 as against 23,288 slaughtered in the previous year. The balance of 1,796 animals remained for slaughter during the next year.

The approximate weight of dressed meat was 2,60,020 Kgs.

During the year, 7 Kgs. beef, 326 Kgs. Mutton, 466 Kgs. Fish, 687 Kgs. Vegetables and 374 Kgs. Fruits were destroyed on inspection in the markets.

In all 31 raids were carried out for detecting unauthorised slaughter and sale of animals in the Extended Suburbs during the year. In all 77 cases were filed and resulted in conviction. Total fines inflicted were Rs. 2,076.00. Besides 303 Kgs. of meat was seized and destroyed as unwholesome during the year.

The total amount realised in auction sale of confiscated animals, sale of skins, etc. was Rs. 549.00

Statement showing the receipts under different items during the year 1966-67 and 1967-68.

Serial No.	Particulars	Amount received	
		1966-67	1967-68
		Rs.	Rs.
1	Stallage Charges	1,80,343	2,05,797.28
2	Squatters fees	70,773	71,241.10
3	Slaughter Fees	76,735	94,624.00
4	Miscellaneous Receipts	3,720	3,225.45
5	Licence Fees	6,899	6,759.00
6	Rent of Building	...	394.66
	Total	3,38,470	3,82,041.49

V. PERIYAN,
Superintendent of Markets,
and Slaughter Houses.

MUNICIPAL PRINTING PRESS

Shri Narasinga Rao, Senior Deputy Manager is looking after the duties of Manager in addition to his own was in charge of the Press during the year except for period of 70 days when Shri Iqbal Fousein, Dy. Manager and 30 days when Shri B. S. Joshi, Dy. Manager were looking after duties of Manager.

During the period under report 402 Metric Tons of paper were purchased from market to meet with the requirements of the various departments.

The statement of jobs carried out and the pages printed for the Corporation and its various Committees, as well as for the B.E.S. & T. Undertaking during the year under report as compared with those in the previous years is given below:—

Description.	1966-67		1967-68	
	Jobs	Pages	Jobs	Pages
Departmental Printing	... 13,722	...	10,032	...
Departmental Stationery	... 1,731	...	2,186	...
Private Parties Printing	... 30	...	27	...
Private Parties Stationery	... 3	...	7	...
B.E.S. & T. Undertaking Printing	... 8	...	6	...
Corporation and its Committee	... ..	28,756	...	27,719
Corporation Record	... ..	14,047	...	9,828
Total	... 15,494	42,803	12,258	37,547

The total quantity of paper consumed during the year under report was 423 Metric Tons as against 359½ Metric Tons and 349 Metric Tons in the preceding two years.

Description of Paper.	1965-66		1966-67		1967-68	
	Rate per Kg.	Quantity consumed in Metric tons.	Rate per Kg.	Quantity consumed in Metric tons.	Rate per Kg.	Quantity consumed in Metric tons.
	Rs.		Rs.		Rs.	
White	... 1.84	255½	1.82	223½	1.81	260
Badami	... 1.53	19½	1.56	15	1.68	9
Other Kinds	... 2.31	84½	2.39	110½	2.36	154
		359½		349		423

The transaction of the Press of the year closed with working surplus of Rs. 32,400 on the total turnover of Rs. 22.19 lacs as against the surplus of Rs. 24,301 (1966-67) and Rs. 17,740 (1965-66) on turnover of Rs. 20.05 lacs and Rs. 16.72 lacs respectively for previous two years.

The labour staff as on 29-2-1968 consisted of 280 workers as against 291 on 28-2-1966 and 279 on 28-2-1967.

NARASINGA RAO,
Dy. Manager,
Municipal Printing Press.

MUNICIPAL PRINTING PRESS
Profit and Loss Account as at 31st March 1968

EXPENDITURE			INCOME			
Dr.	Rs. P.	Rs. P.	Rs. P.	Cr.	Rs. P.	Rs. P.
Materials—						
Paper, etc., stock at the beginning ...	2,69,849.92			Amount charged to Departments ...	22,03,367.38	
Do. Add Purchases ...	8,15,792.08			Amount charged to Private Parties ...	16,257.73	
Do. Outstanding Liabilities ...	3,314.00				22,19,625.11	
	10,88,956.00					
Do. Deduct stock at the end ...	2,48,064.18	8,40,891.82				
Ink-stock at the beginning ...	690.27			Deduct—Work in progress at the beginning of the year ...	7,84,777.67	
Do. Add Purchases ...	1,983.75				14,34,847.44	
Do. Deduct stock at the end ...	2,674.02					
	733.70	1,930.82		Add—Work in Progress at the end of the year ...	10,58,262.28	24,93,109.72
Binding Material: stock at the beginning ...	15,113.56					
Do. Add Purchases ...	86,653.22			Revenue Miscellaneous ...		13,883.87
Do. Deduct stock at the end ...	1,01,765.78	78,583.98				
	23,182.80					
Mono Metal stock at the beginning ...	1,63,057.24					
Do. Add Purchases ...						
	1,63,067.24					
Do. Deduct stock at the end ...	1,54,912.88	8,154.36				
Lino Metal stock at the beginning ...	1,54,531.38					
Do. Add Purchases ...	2,083.10					
	1,56,584.48					
Do. Deduct stock at the end ...	1,48,755.26	7,829.22				
Materials Non-consumable and Books and Dead Stock balances, per last year ...	33,036.58					
Do. Add Purchases ...	2,007.40					
Do. Outstanding Liabilities ...	1,740.20					
	2,09,105.98					
Do. Deduct stock at the end ...	2,03,202.38	5,993.60	9,43,293.80			
Outwork ...		96,673.18				
Do. Outstanding Liabilities ...		9,018.00	1,05,691.18			
Wages ...		7,46,918.84				
Do. Outstanding Liabilities ...		12,784.00	7,59,702.84			
Departmental Expenses—						
Rent ...	4,325.59					
Repairs and Maintenance—						
(a) Building ...	0.00					
(b) Machinery ...	32,673.41					
Do. Outstanding Liabilities ...	653.00					
Lighting ...	5,857.38					
Do. Outstanding Liabilities ...	655.00					
Gas Charges ...	2,297.73					
Electric Charges ...	10,343.18					
Do. Outstanding Liabilities ...	2,350.00					
Debt Charges ...	2,77,880.73					
Depreciation ...	111.37	3,37,157.39				
General Expenses—						
Staff Salaries ...	2,19,045.31					
Do. Outstanding Liabilities ...	7,145.00					
Provident Fund, Pension, etc. ...	50,756.48					
Contingencies (Miscellaneous) ...	12,215.94					
Do. Outstanding Liabilities ...	4,608.00					
Telephone Charges ...	2,203.80					
Advertisement Charges ...	1,951.38					
Printing ...	1,444.19					
Do. Outstanding Liabilities ...	1,835.00					
Stationery ...	1,186.91					
Do. Outstanding Liabilities ...	50.00					
Transport Charges ...	11,620.54					
Private Works ...	14,684.77	3,28,748.32	6,65,905.71			
			24,74,538.53			
Net Surplus ...			32,400.05			
			25,06,993.99			25,06,993.99

NARASINGA RAO,
Dy. Manager,
Municipal Printing Press.

MUNICIPAL PRINTING PRESS

Balance Sheet as at 31st March 1968

LIABILITIES		ASSETS	
	Rs. P.	Rs. P.	
CAPITAL—			
(1) Advances from the Surplus Cash Balance	5,544 00		(1) Plant and Machinery purchased out of Surplus Cash Balance
(2) Advances from Net Premia Fund	1,68,221 12		(2) Plant & Machinery purchased out of Net Premia Fund
(3) —Do.—	49,201 19		(3) —Do.—
(4) —Do.—	22,745 31		(4) —Do.—
(5) Advances from Special Funds	1,81,685 55		(5) Plant and Machinery purchased out of Special Funds
(6) —Do.—	7,134 37		(6) —Do.—
(7) —Do.—	415 00		(7) —Do.—
(8) Advances from Capital Works—Loan Funds—General Supervision, Collection of Revenue Item No. 7, Conversion of Crusher Godown at Carnac Bridge	5,06,193 65		(8) & (9) Plant and Machinery purchased out of 1.—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge
(9) —Do.—	1,09,122 24		Do. Books and Dead Stock
(10) Advances from Plant & Machinery Depreciation Fund.	2,250 00		Do. Cost of Crusher Building
(11) Advances from Capital Works—Loan Funds—Plant and Machinery to be purchased out of Fire and Accident Insurance Fund	51,881 44		(10) Plant and Machinery Purchased out of P. & M. Depreciation Fund
(12) —Do.—	97,107 17		(11) Plant and Machinery purchased out of Capital Works—Loan Funds P. and M. Fire and Accident Insurance Fund
(13) —Do.—	2,49,116 21		(12) —Do.—
(14) Advances from Sundries—Miscellaneous Advances	1,11,100 39		(13) —Do.—
(15) Advances from Plant & Machinery to be purchased out of Special Fund Item No. 10	1,39,800 00		(14) Plant and Machinery purchased out of Sundries Miscellaneous Advances
	17,01,517 64		(15) Plant & Machinery purchased out of Special Fund Item No. 10
Less Amount Repaid	5,75,840 86	11,24,676 78	Less—Depreciation upto 31-3-1968
			Work in Progress
			Stock of Paper, etc.,
			Mono Metal—Balance as per last year
			Less written off
			Lino Metal—Balance as per last year
			Do. Additions during the year
			Less—Written off
			Materials Non-Consumable—Balance as per last year
			Do. Additions during the year
			Less—Written off
			Books and Dead Stock—Balance as per last year
			Do. Additions during the year
			Less—Written off
			Bills due from Departments
			Do. from Private Parties
Outstanding Advances as on 31-3-1968		43,23,242 46	
		54,47,919 24	

NARASINGA RAO,
Dy. Manager,
Municipal Printing Press

Seth G. S. Medical College and K. E. M. Hospital

(Seth G. S. Medical College)

In the year 1967-68 the King Edward VII Memorial Hospital and Seth G. S. Medical College have completed 42 years of service, the Hospital rendering medical relief to the sick and the college imparting Medical Education to the students. A report about the staff, Departments and the work done during the year in these Institutions is given below:—

Dean

Dr. S. V. Joglekar, M.S., F.C.P.S., held the Post of the Dean throughout the year.

Assistant Dean

Dr. R. B. Redkar, B.Sc., M.B.B.S., D.A., held the Post of the Assistant Dean throughout the year.

Professorial Staff

Dr. F. M. Narielvala, M.D., F.R.C.P. (Edin), M.R.C.P., has been appointed to the Post of Professor of Medicine vice Dr. P. Raghavan, M.D., Director/Professor of Medicine retired from November 16, 1967.

Dr. (Smt.) V.N. Acharya, M.D., has been promoted to the Post of Assistant Professor of Medicine from August 18, 1967.

Dr. F.B. Presswalla, M.D., has been appointed as acting Assistant Professor of Pathology and Bacteriology from July 1, 1967.

Dr. (Smt.) K.V. Bhatt, M.D., has been appointed as acting Assistant Professor of Pathology and Bacteriology from July 1, 1967.

Dr. J.S. Patil, M.S., has been appointed as acting Assistant Professor of Surgery from July 31, 1967.

Dr. (Smt.) S. S. Deshmukh, M.S., has been appointed as acting Assistant Professor of Surgery from July 31, 1967.

Dr. M.D. Kelkar, M.S., D.M.R.E., has been appointed as Assistant Professor of Surgical Cardiology from July 31, 1967.

Dr. D. B. Deval, M.B.B.S., D.A., has been appointed as Senior Anaesthetist from December 16, 1967.

Dr. (Smt.) P. N. Parikh, M.B.B.S., D.A. has been appointed as Assistant Professor of Anaesthesiology from December 16, 1967.

Dr. S. R. Kamat, M.D. has been appointed as Senior Clinical Research Officer from September 11, 1967.

Study Tour

Dr. (Smt.) V.C. Parulkar, M.B.B.S., M.Sc., (Med.) Assistant Professor of Physiology who was awarded Fellowship by the Director of Laboratories St. Vincent Hospital Portland, Oregon, U. S.A. has resumed on October 10, 1967.

Dr. D.H. Deshpande, M.D., Assistant Professor of Pathology and Bacteriology has proceeded on Study leave from December 30, 1967 under Commonwealth Medical Fellowship at the Nats and Hospital in Queens Square, London.

Educational Programme

160 Students were admitted during the year under report. Three of the students who came from outside India were nominated by the Government of India to the reserved seats and two were taken from Scheduled caste and backward class community. There are 68 overseas students on the College roll.

In addition to undergraduate teaching, Post-graduate classes were also conducted for M.D., M.Sc. (Medical), M.S., D.O.M.S., D. V.D., D.P.H., M.Sc. (Microbiology): M.Sc. (Biochemistry) M.Sc. (Mycology), etc.

Separate classes were held for Occupational and Physiotherapy students and for the Nursing Staff.

For the first two weeks the newly admitted students were taken in batches in K.E.M. Hospital Wards to acquaint themselves with the medical relief activities. Few introductory lectures and demonstrations were given before regular classes started in the Department of Anatomy and Physiology.

The teaching in the subjects of Anatomy, Physiology and Biochemistry were integrated as far as possible, so that all the three Departments were tackling the same topic simultaneously.

Lectures were also arranged for the basic medical sciences course.

A programme of medical check up and Medical Care for the students of this College was continued during the year 1967.

National Cadet Corps continued their activities in the College compound.

Scientific and Educational Films were shown during the year to the Staff, Students and Members of the Nursing Staff of these Institutions.

Research Activities

A number of research Projects were undertaken at the College and Hospital under the auspices of Indian Council of Medical Research the Council of Scientific and Industrial Research the K. E. M. Hospital and Seth C. S. Medical College Staff Research Society and through the help of some Pharmaceutical firms like Unichem Ciba Etc.

Hostels

The number of students residing in the Male Student's Hostel was 242 and that in the Lady Students' Hostel was 165. Dormitory at Naigaum Road has been converted into a hostel to accommodate 167 students During the year under report 514 students took advantage of these hostels.

General

Dr. S. C. Desai, M.D., D.V.D., Honorary Dermatologist and Venereologist, K. E. M. Hospital delivered Inaugural Address to the students of these Institutions on Friday, the 23rd June 1967.

Professor Patric Lowdon Morrison, M.D., F.R.C.P., F.C. Pach., Professor of Haematology, University of London and Director of Experimental Haematology Research Unit, Wright Fleming Institute, St. Mary Hospital, London was invited to deliver Dr. N.D. Patel Lecture on Tuesday the 21st November 1967.

Dr. M. V. Shirsat, M.D., Chief Pathologist, Tata Memorial Hospital was invited to deliver the 7th Dr. R. G. Dhayagude Memorial Lecture on Thursday the 28th March 1968 on "Some aspects of the Pathological effects of Radiation and Cancer."

The following eminent Medical Personnel visited these Institutions during the year under report:—

- (1) Dr. A. F. Chadwick of the University of Leeds.
- (2) Dr. Arthur Herold Makins Siddons M Chir (Cantab), F.R.C.S., Thoracic and General Surgeon St., Georges Hospital, London.
- (3) Dr. P. K. J. Cangadharan, Research Worker and Eminent Bacteriologist at Tuberculosis Chemotherapy Centre, Madras.
- (4) Dr. U. E. , M.R.C.S. (Lond), D.T.M. & H. (Edin), F.R.C.P., Rector of the Institution of Medicine, Rangoon.
- (5) Dr. Kyee Paw, F.R.C.S., F.A.C.S., F.I.C.S., F.C.C.P., Professor of Surgery, Institute of Medicine, Rangoon.
- (6) Dr. R. Pe Thein, M.B.B.S., Ph. D., Professor Physiology, Institute of Medicine, Rangoon.
- (7) Professor John L. Emery, M.D., Consulting Pathologist, Children's Hospital Sheffield, W.H.O. Expert for Paediatric Pathology.
- (8) Professor Patric Lowdon Morrison, M.D., F.R.C.P., F.C. Pach., Professor of Haematology, University of London and Director of Experimental Haematology Research Unit, Wright Fleming Institute, St. Mary's Hospital, London.
- (9) Dr. D. N. Ross, F.R.C.S., Consulting Cardio-vascular Surgeon, Gy's Hospital and the National Heart Hospital, London.
- (10) Shri Madhu Limye, M.P.
- (11) Dr. Alexander Kessler, Chief, Human Reproduction Unit, W.H.O.
- (12) Professor Harol Ellis of West Minister Hospital.
- (13) Professor Solazano, Professor of Paediatrics, University of Columbia.
- (14) Dr. (Smt.) Kartari Dalip Singh of Indonesia.
- (15) Dr. Marion Smith, Neuro Pathologist, Medical Research Council, National Hospital, London.
- (16) Dr. H. J. Jhala, M.D., Director, Haffkine Institute.

In the Artists Section the following work has been carried out during the year under report.

(1) Department of Pathology and Bacteriology—

Photographs Hospital	238
X-Ray Prints	128
Nurses Photos	196
Specimens	58
Photo Micrographs	66
Lantern Slides	830
Graphs for Research	55

Works—

Diagrams	33
Miscellaneous	188

Total 1,792

(2) Department of Medicine and Surgery—

Clinical cases Photographs	307
X-ray Specimen and Microphoto P plus S Etc., Enlargements	417
X-ray Reproductions	805
Microphotographs	189
Lantern slides of Charts, X-ray, Specimen P plus S Microphoto, Etc.	1,963
Graphs and lettering Charts	186
Operation Specimens and P plus S Photos (Colour only)... ..	807
Miscellaneous	48

Library

With the increasing number of both Undergraduate and Post-graduate students it has become necessary to increase the number of books and Journals and also to increase the physical facilities of reading space. Additional budget provision was made to purchase more books and to subscribe for new Journals. This helped both the undergraduate and Post-graduate students and College and Hospital staff to keep abreast of modern development of various branches of Medical Sciences. The total number of Journals subscribed this year was 236. This includes 48 New Journals added during this year. During the year under report 559 books were added to the Library as against 441 during the previous year.

The following 106 books were presented to the Library.

Ciba of India	...	...	...	...	21
Hamilton Bailey Memorial Fund	...	...	...	...	20
Lalibai Narindas Hindusa Book Bank	...	...	...	...	35
In memory of N. Ghelani	...	...	...	...	19
Land Medical Publication	...	...	...	...	5
Dr. B. N. Purandare	...	...	...	...	1
Students Aid Funds	...	...	...	...	5
				Total	106

Out grateful thanks are due to these donors.

The number of books and periodical issued for reacting on the Library premises to the Post-graduate and Under-graduate students and Teachers is 67,640.

2,790 Books and 3,350 periodicals were issued on loan outside the Library to the Honorary and Professorial Staff.

126 Periodicals were brought on interlibrary loan from various Medical and Research Institutions in the city to meet the needs of the readers.

Reference materials was supplied throughout the year to the Microfilm and Photostate service, the Indian Council of Medical Research at the Tata Memorial Hospital, Parel, Bombay-12, for providing photostate documents to the Medical and Research Institutions throughout the India.

College Gymkhana

As we review the various events of the Gymkhana, one thing stand out clear, in terms of records and prizes won, this has been a year of years. On the academic side, we have secured the best percentages in the 1st and Final M.B.B.S. Examinations. In the play field we are the proud winners of several All India Inter Medical Trophies in the field of Cricket, Table Tennis, a example of Bombay Intermedical Championships. Badminton and Cricket, Intercollegist Championship in volley ball that for the second year in succession and last but not the least the Munshi Trophy for Intercollegiate Dramatics and an Intercollegiate Debating trophy was annexed.

Exhibition of photographs and paintings was held under the auspices of Hobbies Club in March 1967 was a great success.

The Bihar Relief Committee was formed and arranged to sent a group of Interns to the famine stricken Bihar for Medical Relief work. The amount of Rs. 1,000 was donated to the Vice-Chancellor's Bihar Relief Fund.

Dr. Purandare Stadium ground was rented to the Great Bombay Circus. Owing to the difficulties experienced by the Sports Secretaries, it has been decided not to accept any further applications from Circuses in future.

The College Day was celebrated with two days variety Entertainment Programme on the Tennis Court. A pleasure cruise was arranged instead of a picnic.

The Annual Sports were held in a grand style. Shri Darasing famous Indian Wrestler and Cine Actor was honoured guest on the occasion and he gave away the prizes.

Department of Pharmacology

The Pharmacology Research Unit of C. S. I. R. and Clinical Drug Trial Unit of C. S. I. R. continued to work in close collaboration with various Clinical Departments of K. E. M. Hospital, Haffkine Institute Bombay Regional Research Laboratory, Hyderabad and Central Drug Research Institute, Lucknow. In the Pharmacology Research Unit of C. S. I. R. 348 synthetic compounds were screened for Pharmacological activity.

Professor U. K. Sheth was elected as a Member of the American Therapeutic Society.

The research grants made available to the Department during this year are as follows :—

- (1) Pharmacology Research Unit and Clinical Drug Trial Unit of C. S. I. R. Rs. 1,23,988.
- (2) Through K. E. M. Hospital and Research Society from various Organisations Rs. 28,000.

Investigations carried out in the Department of Pharmacology. during the year under report are as under:—

I.—Liver Function Tests :

(a) S. G. O. T.	914
(b) S. G. P. T.	917
(c) Alkaline Phosphatase	898
(d) Serum Bilirubin	901
(e) Thymol Turbidity	812
(f) Bromosulphalein (BSP)	109

II.—Serum Iron—

101

III.—Autoimmune Studies—

(a) Gel Diffusion	46
(b) T. R. C.	46
(c) Immuno-Fluorescence	23

IV.—Electrolyte Estimations : (Na.K. Chloride).

(a) Serum	225 Samples.
(b) Urine	2,400 Samples.

V.—Microbiology Section (Clinical Drug Trial Unit).

(a) Total number of Stool Examination for amoebiasis	623
(b) Total number of Sigmoidoscopy material	165
(c) Cultivation of E. Histolytica	177
(d) Antiamoebic drug testing	20
(e) Total number of Sputum and Throat Swab Cultures	38
(f) Total number of Urine Cultures... ..	45
(g) Total number of Bronchoscopy aspiration	68
(h) Total number of Spata from Normal subjects	24
(i) Total number of pus Samples	3
(j) Antibiotic Sensitivity Tests carried out in 178 Cases	275

VI—Clinical Pathology Section (Clinical Drug Trial Unit).

(a) Haemograms	1,021
(b) Urine analysis	291
(c) Stool Examinations	289

Statement showing the investigation carried out at the Radio-isotope Laboratory during the year under report:—

(1) Radioiodine tracer tests	325
(2) Treatment of Radioiodine	46
(3) Treatment of radiogold	4
(4) Radioactive Vitamin B12 Studies	80
(5) Basal Metabolic test under Pentobarbital Sodium	700
(6) Serum Calcium Estimations	48
(7) Serum Phosphorus Estimations	48
(8) Serum Alkaline Estimations	40
(9) Serum Creatinine Estimations	48
(10) Urine Phosphorus	60
(11) Urine Calcium	60
(12) Urine creatinine	60
(13) Glucose tolerance tests	31
(14) Urine Examinations	44
(15) Haemoglobin	96
(16) E. S. R.	26
(17) P. C. V.	26
(18) Serum total proteins	70
(19) Serum and tissue vitamine B12 estimations	250
(20) Serum and tissue total nitrognes Estimations	150
(21) Milk Vitamin B12	50
(22) Milk Proteins... ..	50
(23) 17 Ketosteroid estimations	25
(24) 17 Ketogenic steroid estimations	25
(25) Plasma volume study	8

Statement showing the total amount of Radio-isotopes used during the year under report:—

Radio isotopes	Quantity
Iodine 131	446 mc.
Gold Au 198	460 mc.
Co 58 Vitamin B12	70 uc.
Chrominm 51	10 mc.
Potassium K42	9 mc.
Radio iodinated serum human serum albumin	1 mc.

The following are the Research Projects in progress during the year under report:—

- (1) Clinical trial of ethacryni acid in maintenance of edema free state of patients of hepatic cirrhosis on normal diet.
- (2) Evaluation of MK-870 as potassium sparing diuretic adjuvant to ethacrynic acid.
- (3) Re-evaluation of known anti amoebic drugs for parasitic clearance.
- (4) A study of hepatic cirrhosis.
- (5) Evaluation of triple tetracycline in respiratory track infections.

- (6) Evaluation of new bronchodilator drug.
- (7) Evaluation of G.O. 233C as anti depressant drug.
- (8) Study of plasma free fatty under the effect of different drugs and in certain mental diseases.
- (9) Study of acetylcholine and cholinesterase in rat brain under various conditions.
- (10) Effect of Chloram, phenicol, Tetracyclines, and erythromycin on the metabolic rates of sulfonamides, barbiturates and salicylates in experimental animals on acute and chronic administration.
- (11) Effects of posture on the responses to autonomic drugs in anaesthetized cats and dogs.
- (12) Effect of D.B.A. on histaminergic shock.
- (13) Probable mechanism of differentiation of adrenaline and noradrenaline by chlorpromazine.
- (14) The effect of analeptics on brain barbiturate levels in mice.
- (15) The Pharmacology of portal venous pressure.
- (16) Effects of anabolic steroids on pentylene tetrazol induced seizures in mice.
- (17) Brain gamma amino butyric acid (GABA) as related to pentylene tetrazol induced in mice.
- (18) A study of brain amines in relation to anti parkinsonien drugs in rats.
- (19) Study with anthelmintic preparations 16,842.
- (20) Sulfasymazine in urinary tract infection.
- (21) A study of psoraline in leucoderma.
- (22) Study of a new parenteral iron dextran complex in treatment of iron deficiency anemia.

Ciba Research Centre, Bombay has offered a grant of Rs. 90,000 to establish a ward with 10 beds for Clinical Pharmacology. This offer has been accepted by the Corporation. The ward will start functioning from March 1968.

Dr. Satoskar continued to look after the post of Professor of Pharmacology at Sion Medical College as no regular appointments for the post have yet been made.

PREVENTIVE AND SOCIAL MEDICINE DEPARTMENT

The Department of Preventive and Social Medicine has now completed ten and half years. A large number of extramural activities to initiate the trainees in the principles and practice of community medicine has been started from the last year.

Services

Family Health Clinic:

Total number of days the Clinic worked	...	238
Total number of cases treated during the year 1967-68	...	6,053
Daily average	...	25.43

Family Health Centre:

Total number of days the Centre worked	...	97
Total number of cases given full medical check-up	...	781
Daily averages	...	8.06

Investigations:

Laboratory investigations carried out in the Clinics:—

R.B.C.	Hb.	W.B.C. (T)	W.B.C. (D)	E.S.R.	Urine	Stool	Sputum	Others	Total
367	417	303	303	156	288	110	15	68	2,021

ADMINISTRATION

Internship Programme.—The Department continued to organise the General Internship Programme for all Departments for the year 1967-68.

Urban Health Internship Programme.—Dr. D. N. Pai is solely in Charge of the Urban Health Internship Programme for the medical interns from all the city medical colleges.

Research.—The following paper is published by Dr. D. N. Pai during the year under report.

The Great Experiment.

The following research problems were under taken by this Department during the year 1967-68.

The research work is being completed and the results are being analysed.

- (1) I.C.M.R. Research Inquiry on studies of dietary patterns and nutritional status in preschool children, incidence of children, anaemia and rickets in pre-school.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

In addition to undergraduate teaching there were eleven students registered for M.D. (Path. & Bact.) and 5 for M.Sc., Microbiology.

Research:

- (1) Bacteriological, Serological and Haematological and Bio-Chemical study of cadaveric blood for transfusion.
- (2) Study of the normal agglutinin over portion of population in Pombay with particular reference to Sal. Typhosa, S Fara. A and S Fara. B and also their reaction after prophylactic immunisation.

- (3) Bacteriological studies of some non-tuberculous lower-respiratory tract infection.
- (4) Transfusion Reactions with special reference to serological aspects.
- (5) Leukocytic antibodies.

DEPARTMENT OF ANAESTHESIA

The Department looks after the anesthetic and resuscitation needs of the whole hospital. During the year under review, it conducted 50,000 operations, approximately.

A new system of coding has been developed for easy and ready analysis of various important Anaesthetic Data.

The Department is equipped with modern appliances specially ventilators though there is large scope for finer improvement. It has treated about 140 cases on respirators for a period ranging from few hours to five days. The demand for this form of treatment is increasing. It plans to start an intensive care unit where specialised respiratory treatment could be given. It also plans to start a recovery Ward.

During the year the following papers were either published or read at the Anaesthetists Conference.

- (1) Anaesthetic management of cleft lip.
- (2) Anaesthetic management of laminectomy.
- (3) Study of Alloferine.
- (4) A study of central pressure.
- (5) Problems of prolonged perfusion.
- (6) A comprehensive survey of spinal anaesthetic.
- (7) Use of ventilator in Post-operative period.

A new ventilatory developed in India has been studied in detail and reported.

During the year the Department carried out vigorous teaching programme which is reflected in results of D.A. and M.D. Examinations.

The Department has 18 and 21 Post-graduates registered for D.A., and M.D. Examinations respectively.

Full Time Department of Surgery

Number of Experiments done in the Experimental Laboratory :—

Acupuncture	...	...	...	...	...	...	100
Liver perfusion	...	...	...	...	...	...	88
Liver transplant	...	...	...	...	...	...	11
Kidney perfusion	...	...	...	...	...	...	49
Kidney transplant	...	...	...	...	...	...	19
Heart transplant	...	...	...	...	...	...	4
Vascular Surgery	...	...	...	...	...	...	47
Periaortic injections	...	...	...	...	...	...	15
Abdominal Operations	...	...	...	...	...	...	1
Skin Grafting	...	...	...	...	...	...

X-ray work Diagnostic Radiology and Cardiac Laboratory :—

	Patients
Cardiac catheters	175
Angiograms	76
Aortograms	97
Arteriograms	48
Spleno Portograms	68
Lymphangiograms	24
Bronchograms	55
Routine X-rays	2,397
Venograms	27

Biochemical Investigations :—

Routine blood chemistry including kidney functions Tests, Liver function tests, electrolytes, I H, etc.	20,390
Routine urine analysis	4,400
Haematological investigations	8,450
Routine stool analysis	5,000
Gastric analysis	645
Blood volume studies	40
Sputum analysis	42
Oxymetry and Carbon dioxide estimations	2,500
Stone biochemistry	11

Pathological Investigations—

Surgical slides	2,880
Postmortem and dog Experiments	1,023
Exfoliative Cytological smears	111
Sigmoidoscopic swabs	300

Thoracic Surgery Theatre—

Total number of operations	298
Cases under heart lung machine	34
Cases under left heart bypass	6
Glomectomies	96
Closed heart and Vascular Operation and Hypothermia	62
Gastrosopies	

Thoracic Surgery Theatre Contd—

Bronchoscopies	52
Lung operations	9
Renal transplant	1
Liver perfusion	2
Miscellaneous	36

Heart transplant operation on a patient named Bodhan Chittan was done on February 16, 1968 using the heart lung machine. The technique evolved in this department was followed along with certain modifications taken from recent attempts of heart transplants in South Africa and U.S.A. It was carried out by putting the recipient's circulation on the heart lung machine. The operation was successful technically and organisationally.

Research entitled "Study of occlusive diseases of the Aorta and its branches" under the auspices of the National Institute of Health, U.S.A. under Dr. P. K. Sen, started in 1965-66 was in progress.

The Full Time Department of Medicine

Dr. P. Raghavan Professor/Director of Medicine retired from November 14, 1967 due to superannuation and Dr. F. M. Narielvala took over the charge of Full-time Department of Medicine as a Professor of Medicine.

The Endocrinology and Gastrointestinal Clinics attached to the Department of Medicine continued to function as before. The endoscopic facilities of the gastrointestinal Clinic are being improved, with the addition of the Machida Fibre Gastroscope with Cine and Diagnostic Camera and biopsy attachments, received very recently through the Rockefeller Foundation Funds.

The Endocrinology Clinic continued to fulfill the useful work that was being done before. In addition, Hypophysectomy with radio-active Yttrium (Y^{90}) has been started.

Two cases of Acromegaly have been treated by this method so far. We have also established collaborative programme of work jointly with the Tata Memorial Hospital. The Hemodialysis Unit functioned with Alwall's Artificial Kidney till 1966, having since then the additions of "Kill Dialyser" with Quinton Silastic system. This has been installed and has been working satisfactorily with a phenomenal increase of work, i.e., total number of dialysis done during the year is 201 as against 34 in 1966-67.

Besides the use of Hemodialysis as a life-saving measure in acute problems involving acute renal failure, a number of chronic renal diseases with uremia have been treated. It is relevant to mention that the longest survival on chronic intermittent dialysis has been for a period as long as 15 months with nearly 50 dialysis over the period. Recently, the commitments, due to the phenomenal increase in demand, have been such as to establish very frequently a 24 hour service with technician and biochemist help in addition to Medical and Nursing personnel in this Section of the Department of Medicine. The pattern of staffing as well as reorganisation, renovation and expansion of the accommodation of the Artificial Kidney (Hemodialysis) Unit now urgently need the concern and consideration for further maintenance and progress.

The E. E. G. Laboratory continued to do vital studies with the help of its 16-Channel Electroencephalogram.

During the year under report the following persons who have been appointed as Pool Officers by C.S.I.R. were working in this College.

- (1) Dr. (Mrs.) Hansa M. Gandhi ... Obstetric and Gynaecology.
- (2) Dr. M. D. Maniklal ... Neurology.
- (3) Dr. (Mrs.) M. H. Shivdasani ... Obstetric and Gynaecology.
- (4) Dr. Vinod C. Dalal ... E. N. T. Department.
- (5) Dr. Narin M. Shah ... Orthopaedic.
- (6) Dr. R. H. Vora ... Orthopaedic.
- (7) Dr. P. A. Kale ... Medicine.
- (8) Dr. S. K. Pandya ... Neuro-surgery.

KING EDWARD VII MEMORIAL HOSPITAL
NEW CONSTRUCTION, EXPANSION AND EXTENSION

Works in Progress—

1. Additional second floor over the Department of Radiology Block for Tetanus patients.
2. Addition to the Gynaec block.

Accommodation of Patients and their particulars—

The number of Schedule bed strength during the year was 1,179. As usual there was constant overcrowding in the hospital particularly in the Children Wards and Medical and Surgical Wards for females.

During the year 1967, the average number of In-patients in the hospital was 1,565 as against 1,436 and 1,300 during the year 1966 and 1965 respectively indicating clearly the increasing demand for the hospital beds. Even after imposing restrictions on routine admissions in order to control overcrowding, the total number of patients admitted for hospitalization during the year under report was 52,629 against 53,335 and 52,210 respectively during the two preceding years. The average stay of In-patient was 10.9 days during the year under report as against 9.82 in the year 1966 and 9.39 in the year 1965.

Results of Treatment of Indoor Patients—

Out of the total number of 53,999 patients including 1,370 brought over from previous year 9,695 discharged as cured 33,638 were relieved and 5,615 left the hospital either against medical advice or were otherwise discharged and 3,681 died (excluding 395 Still Borns and Neonatal Deaths). At the end of the year 1,458 patients were in the hospital under treatment.

The total number of Confinement was 6,698.

Deaths Classified

Out of 3,681 deaths 1,347 died within 24 hours of admission ; 490 after 24 hours but within 72 hours of admission and the rest 1,844 deaths took place after three days from the date of admission. The figures are exclusive of 395 Still Borns and Neonatal Deaths. Death rate was 7.

Total number of autopsies performed during the year under report was 1,557 including 29 autopsies performed on the bodies received from the Nowrojee Wadia Maternity Hospital as against 1,681 and 1,582 for the years 1966 and 1965 respectively. Autopsy rate was 41.51 for the year 1967 as against 45.8 and 44.2 for the year 1966 and 1965.

Out-patient Department

The total number of new cases issued during the year under report was 3,14,401 as against 3,19,476 and 3,14,699 in 1966 and 1965. The total number of Out-patients attendance (New and Old Cases including Casualty Cases) was 6,79,973, bringing the average total attendance 2,230 per day.

Casualty Cases registered during the year were 69,069 as against 71,558 and 70,176 during the year 1966 and 1965 respectively.

The highest number of patients treated on a single day was 3,139 on August 14, 1967. The highest number of Casualty Cases treated on one day was 324 on August 2, 1967.

Operations

22,289 Operations were performed on In-patients and 40,387 were performed on Out-patients.

Medico-Social Service Department

The Medico-Social Service Department started functioning in this hospital from September 1964 with the two Medico-Social Workers at the initial stage. The present strength of Medico-Social Workers is 15 and they have been allotted as follows:—

(1) Gynaec and Obstetric	...	...	...	...	...	1
(2) Paediatric	...	...	...	...	...	1
(3) Department of Medicine	...	...	...	...	...	2
(4) Department of Surgery	...	...	...	...	...	2
(5) Department of Psychiatric	...	...	...	...	...	2
(6) Department of Cardiology	...	...	...	...	...	1
(7) Blood Bank	...	...	...	...	...	2
(8) Diabetic Clinic	...	...	...	...	...	1
(9) Orthopaedic Centre	...	...	...	...	...	2
(10) Cardio-vascular Thoracic Centre	...	...	...	...	...	1

The following figures will give an account of the Medical and Social work done through the Department during the year under report:—

(1) Material help like expensive medicines Calipers, Prostheses, Milk, Clothes, Financial help for transport etc.	...	...	...	...	1,774
(2) Case work	...	...	...	...	386
(3) Social histories	...	...	...	...	3,618
(4) Rehabilitation	...	...	...	...	147
(5) Discharge, Institutionalization and Placement	...	...	...	...	313

(6) Referred to Organizational Home Treatment Clinic for Family X-ray and B.C.G. Vaccination.	98
(7) Family Planning	289
(8) Referred to different Agencies such as E.S.I.S., Port Trust, Municipal Dispensary etc.	42
(9) Incidental Services	53
(10) Old Cases for Follow-up	685
(11) Blood donation (Relatives of patients and Voluntary Donors)	4,183
(12) B. C. T. Patients relatives group	400
(13) Child Guidance Clinic Cases	30
(14) Mentally Deficient Children Cases	25
(15) Epilepsy Orientation Cases	20
Total No. of Cases	12,063

Physiotherapy Centre and School

The Physio-therapy Centre and School is a joint venture of the Government of India, Government of Maharashtra and the Municipal Corporation of Greater Bombay; Corporation sharing the major portion of expenditure. Seth G. S. Medical College has been granted extension of affiliation by the University of Bombay for conducting a course leading to B.Sc., Degree in Physical Therapy from June 1967.

40 New students were admitted in July 1967 bringing the total number of students undergoing training to 92.

10,543 Patients were referred to this Section and the total number of treatment given was 1,47,352.

Occupational Therapy Centre and School

The total number of patients treated at the Centre was 7,639 and 1,11,930 treatments were given in the Wards and 45,151 treatments were given in the Curative Workshop of the Department as against the 7,158, patients treated and 1,17,711 treatments given during the year 1966. The work in the Weaving, Tailoring and Printing Sections is being carried out satisfactorily. 45 students were admitted during the year under report, bringing the total to 86.

Nursing Staff

During the year under report 86 Nurses were sent up for General Nursing Part I Examination; 120 Nurses for Part II Examination and 73 Nurses for Midwifery Examination. Out of these 80,96 and 71 Nurses respectively have been declared passed in the respective examination held by the Maharashtra Nursing Council.

Smt. P. M. Annamma and Smt. S. K. Mathew from this hospital stood first in State in each of the examination viz., General Nursing Part II held in July 1967 and Midwifery held in November 1967, respectively.

The Bi-annual Conference of the Student Nurses Association of India was held at Vellore in October 1967 and two delegates from this hospital attended the Conference.

The total number of Nursing Staff during the year was 671 inclusive of the Superior Staff.

The arrangement of sending Nurses to the Kasturba hospital for training in Infectious Diseases was continued during the year. Six student Nurses were directed to the Kasturba hospital every month for training for a period of 15 days.

The cost of the Nursing Establishment worked out to Rs. 178.25 per nurse per mensem.

Nurses' Welfare Fund

This fund instituted in 1931 for promoting the welfare of an providing amenities to the Nursing Staff of this hospital. It is managed by a Committee of which the Dean is an Ex-Officio President. The corpus of the fund amounting to Rs. 26,500 is held in Government and Municipal Securities and fixed deposit which are deposited with the Bank of Maharashtra for safe custody. The fund is being utilised for providing amenities and extra curricular activities to the Nursing Staff.

Prophylactic Immunization Centre

The total number of patients treated during the year at the Centre was 35,593 as against 35,336 in the previous year. 7,765 New Cases were registered during the year. On 12th June 1967, 230 patients attended the Centre, figure showing the highest attendance on a single day. Besides anti-rabic treatment, immunization against Typhoid, Cholera, Plague, Diphtheria and Small-pox was also done at the Centre.

Leprosy Clinic

The Clinic is conducted by the Greater Bombay Leprosy Control Scheme and the patients suspected to be suffering from Leprosy are examined at this Clinic. 597 New Cases were treated and the total attendance of patients, was 7,612. The average attendance of patients was 50.4 per day. 629 biopsies were taken.

Neuro Surgical Department

During the year under report 800 New patients and 1,414 repeat patients were treated at the Out-patient Department and 395 patients were admitted as In-patients. 868 Specialised Radiological Investigations were

carried out in the Department during the year under report. The following figures will give an account of Radiological and Operative procedures done in the Department.

(1) Operations Major	...	...	...	...	...	145
(2) Operations Minor	...	...	...	...	...	314
(3) Radiological Investigations Major	...	...	...	...	...	196
					Toal	655

Neurology Department

During the year under report 1,366 New patients and 2,709 Follow-up patients were treated at the Out-patients Department and 555 patients were admitted as In-patients.

Cardiology Department

Intensive Cardiac Care Unit : Before the advent of the Intensive Cardiac Care Unit, electrical deaths used to take the major toll of deaths from Acute Myocardial Infarction. However, with Intensive Cardiac Care, electrical deaths have been successfully prevented or treated.

As the present Intensive Care facilities are inadequate, plans to expand this Intensive Cardiac Care Unit are under progress. When this 8 bed Unit is ready, it is hoped that the need for this hospital and the adjoining areas will be satisfied.

The following figures will give an account of the work carried out at the Cardiology Department during the year under report :—

Cardiac O. P. D.

(1) Total number of New Cardiac Patients	...	...	...	...	1,593
(2) Total number of Follow-up	5,729

E. C. G. Department

(1) Total number of E. C. Gs. taken during the year.	12,424
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Intensive Cardiac Care Unit

(1) Cases admitted	133
(2) Cases admitted for cardioversion	7
(3) Patients were paced transevenously	...	...	...	...	2
(4) Patients were paced externally	...	...	...	...	8
Number of Cardiac Catheterization	...	...	...	...	93
Number of Angio-graphy-Incollaboration with Department of Diagnostic Radiology	34

Biochemistry Section

(1) Biochemical Investigations	15,596
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Animal Research Experiments

(1) Total number of rabbits	112
(2) Total cholesterol	330
(3) Free cholesterol	...	...	...	...	170
(4) Ester cholesterol	...	...	...	...	170

Histopathology of Tissues

(1) Aorta	...	...	...	...	100
(2) Heart	...	...	...	...	100
(3) Coronary arteries	...	...	...	...	100
(4) Liver	...	...	...	...	92
(5) Kidney	...	...	...	...	86

Family Health Centre

The Family Health Centre continued to function satisfactorily during the year under report.

Facilities for the patients and their relatives

Gift Shop.— This is a sort of Sales Service started in the year 1950. Many additional items are being stored for sale.

Advisory Medical Board

During the year under report, the Advisory Medical Board held six meetings of the Honorary and Professorial Staff.

Medico Legal Cases

During the year, the Residents Medical Officers attended the following Courts for giving evidence in the Medico-legal cases :—

(1) Presidency Magistrate Courts in Bombay	...	...	...	...	790
(2) Sessions Courts	...	...	...	...	32
(3) Other Courts	...	...	...	...	38

Staff Society Clinical Meetings

The Staff Society of the K. E. M. Hospital and Seth G. S. Medical College held 11 meetings during the year, when papers on various subjects were presented.

DEPARTMENT OF PATHOLOGY & BACTERIOLOGY

Central Clinical Laboratory

84,972 Laboratory investigations were carried out during the year 1967 in the Central Clinical Laboratory (apart from Ward and O. P. D. Laboratories) on the material sent from the Hospital as against 94,394 and 89,740 in the year 1966 and 1965 respectively. These investigations are grouped under the following heads:—

(1) Pathological Investigations	...	...	...	...	40,401
(2) Bacteriological Investigations	...	...	...	...	17,635
(3) Skin Tests	...	...	...	...	9
(4) Biochemical Investigations	...	...	...	...	26,927

Following table shows the number of paraffin blocks prepared for histological examination from the autopsy material and Surgical tissues during the year under report togetherwith the figures for the previous two years.

Year.	Blocks of Post-mortems Organs	Blocks of tissues from the surgical side of the K. E. M. hospital & from out-side.	Total.
1967	6,927	13,293	20,220
1966	9,941	12,730	21,629
1965	9,585	12,044	21,629

Food Handlers' Scheme

The Scheme of periodical Examination of persons handling food employed in city hotels, catering houses and restaurants made satisfactory progress during the year under report.

2,481 persons are directed for examination by the Health Department out of which only 1,493 persons attended for examination. 318 persons did not give their stools, blood, etc., for pathological examination and hence their reports are still pending. In all 848 fit and 327 unfit Certificates were issued during the year under report.

SHANTILAL MATHURADAS BLOOD BANK

(Bombay Municipal Blood Centre)

The total number of blood samples including those from voluntary donors was 10,087 and the amount of Rs. 63,324 was paid out of the Poor Box Charity Fund. Out of the blood samples collected, 1,467 were from voluntary donors and 3,277 from relative donors and 5,277 from professional donors and 66 were collected for the preparation of anti-sera.

The number of blood samples supplied for transfusion was 10,064 as detailed below:—

(1) To K. E. M. Hospital	...	...	...	...	9,309
(2) To other Municipal Hospitals	...	...	...	...	274
(3) To private Hospitals	...	...	...	...	179
(4) For plasma separation	...	...	...	...	162
(5) For Research purposes	...	...	...	...	21
(6) Bottles discarded	...	...	...	...	119

Gynaecological and Obstetric Department

During the year under report 11,699 and 7,684 New Cases and 15,808 and 18,800 Old Cases were treated at the Out-patient Department of Gynaecological and Obstetric respectively and 2,629 and 7,670 patients were admitted in Gynaec and Obstetric Wards respectively during the year under report.

Dr. N. A. Purandare Gynaec & Obstetric Research Centre

In Dr. N. A. Purandare Gynaecological and Obstetric Research Centre, cases of Gynaecological disorders of hormonal origin are being studied from the point of view of research, investigation and therapy. Oral contraceptive tablets are also being issued by the above Centre.

Family Planning Centre

The total attendance of the Centre was, 1,688 during the year under report and the total number of cases registered was 411. As regards the contraceptives, accents was mainly on Condon and Jelly method. 175 Vasectomy operations and 557 Sterilization Operations were performed during the year under report.

Some of the patients were referred to Dr. N. A. Purandare Gynaecological and Obstetric Research Centre for oral contraceptive.

Dr. Jivraj N. Mehta Pharmaceutical Laboratory

The details of the manufacturing work done in the Laboratory during the year 1967 are given below:—

PRODUCTION

(1) Transfusion bottles 500 ml.	...	...	...	...	89,610
(2) A. C. D. Bottles	...	...	...	...	10,865
(3) Vials 100, 50 and 10 ml. (13 types)	...	...	...	...	18,246
(4) Fluid for Peritoneal Dialysis	...	...	...	...	412
(5) Bulk Injection and Sterile Solutions (Nine types)	...	...	...	...	135 Litres
(6) Stains and Solutions for Clinical use (10 types)	...	...	...	...	103 "

MISCELLANEOUS ITEMS

(1) Enema and Hand Liquid Soap	...	...	...	...	2,510 Litres
(2) Kemitone Fe & C, Malt & Syrup for children	...	...	...	...	839 Litres
(3) Bifore Deoderent	...	...	...	...	645 "
(4) Bone Wax	...	...	...	...	1,620 Gms.
(5) Repacking from bulk	...	...	...	...	1,736 Units
(6) Fumigation of Tins	...	...	...	...	465 Tins

Central Sterile Supply Service

(1) Drums	...	...	...	...	24,470 Nos.
(2) Boxes (Saline and bleeding sets)	...	...	...	...	14,185 "
(3) Trays	...	...	...	...	12,927 "
(4) Flasks, Jars and Pots	...	...	...	...	5,789 "
(5) Bleedings Sets	...	...	...	...	12,285 "
(6) Transfusion Sets...	...	...	...	...	27,128 "
(7) Special Transfusion Sets	...	...	...	...	4,376 "

CONTROL UNIT

(1) Pyrogen Tests	...	...	...	...	215 Nos.
(2) Sterility Tests	...	...	...	...	418 "
(3) Analysis of Samples	...	...	...	...	297 "

School Clinic Department

Municipal School Clinic worked five Department *viz.*, Medical, Ophthalmic Aural, Skin and Dental, where the children from various Municipal Schools are medically examined.

1,609 New children and 15,440 Old children were treated in the School Clinic Department in addition to 1,313 referred cases making a total 18,362.

Common complaints were Anaemia, Bronchoitis, Round worm, Tonsillitis, Carious teeth and Vitamin 'A' Deficiency.

The total expenditure incurred on School Clinic Department of K. E. M. Hospital amounted to Rs. 66,507.31 as against Rs. 62,057.47 during the previous year.

Dispensary

The dispensing work carried out in the Dispensary during the year under report is as follows:—

(1) Out-patients	...	...	...	...	4,59,724
(2) In-patients	...	...	...	...	89,375
(3) Ordinary	...	...	...	...	10,041

Medical Record Department

The Medical Record Department continued to function satisfactorily during the year under report.

Paediatric Department

During the year under report 20,398 New cases; 27,194 Old cases were treated at the Out-patient Department and 5,444 were admitted as In-patients.

Psychiatric Department

Treatment was given to the following types of cases:—

(1) Functional Psychotic Reactions	...	...	...	...	1,731
(2) Organic Psychotic Reactions	...	...	...	...	305
(3) Psycho neurotic Reactions	...	...	...	...	2,346
(4) Psychosomatic Complaints	...	...	...	...	69
(5) Mental Deficiency	...	...	...	...	181
(6) Epilepsies	...	...	...	...	502
(7) Psychopathic Behaviour & Durg addiction	...	...	...	...	133
(8) Miscellaneous	...	...	...	...	87

Diabetic Clinic

The Diabetic Clinic was established in 1958 and since then more than 10,500 patients were registered as new cases in the Clinic.

The Clinic had continued to conduct a Clinical trial with 'Lycanol' tablets and 'Artosin' tablets and Capsules. For research purposes, detailed analysis of all the diabetic cases was done.

During the year under report 1,422 new patients were registered at the Clinic. The total number of attendance of the Clinic was 17,144 and 907 patients were admitted for Diabetic treatment. The following treatment was advised to the patients:—

(1) Only on Diet ...	...	...	...	...	...	787
(2) Insulin Injection	...	...	...	...	...	3,216
(3) Oral anti-diabetic drugs	...	...	...	...	...	7,032
(4) Insulin Injection and anti-diabetic drugs	...	...	...	...	...	2,598

Medical Check up Centre

The Centre is gathering attention of the public in as many as 383 patients were examined at the Centre during the year under report.

Department of Dermatology & Venereology

During the year under report 27,265 New Cases and 28,194 Old Cases were treated in the Out-patient Department. It has a well equipped Laboratory wherein number of investigation are carried out for diagnosis of cases as well as for research purposes. A Leprosy Clinic is also attached to this Department. 597 New Cases were treated at this Clinic.

Department of Radiology

Report on the X-ray Diagnostic and Therapeutic work done during the year under report:—

(1) Plain X-rays ...	...	...	...	...	...	25,723
(2) Barium X-rays	...	...	...	...	...	2,342
(3) Deep X-ray Therapy	...	...	...	...	...	209
(4) Choul X-ray Therapy	...	...	...	...	...	26

Donations by Philanthropic Bodies and Persons

A person who desired to remain anonymous had donated an amount of Rs. 15,000 to this hospital in the year 1965, in memory of (i) Smt. Khemibai Vishindas Ramchandani and (ii) Smt. Parvitibai R. Ramchandani.

During the year under report number of articles including sweets, toffees, fruits etc., were donated by Philanthropic Institutions and persons.

K. E. M. Hospital & Seth G. S. Medical College Employees' Co-operative Credit Society

The Society worked satisfactorily during the year. The total number of members on the roll at the end of June 1967 was 1,339. The share capital amounted to Rs. 5,00,327 on 30th June 1967 as against Rs. 4,46,321 on the corresponding date of the previous year. The accounts of the Society upto 30th June 1967, were audited by the Government Auditors and the Society was awarded 'A' Certificate.

Accounts Department

Certificates of different categories as mentioned below were issued during the year 1967-68 and a sum of Rs. 21,663 was realised as Certificate Fees.

(1) Under Workmens' Compensation Act.	...	...	...	...	295
(2) Medical Opinion Certificates	...	...	...	...	6,000
(3) Injury Certificates to Police in Medicolegal cases (Free)	...	...	...	...	1,653
(4) Injury Certificates to Patients in Medicolegal cases	...	...	...	...	275
(5) Municipal Employees' Injury Certificate a for leave (Free)	...	...	...	...	150
(6) Insurance purposes	...	...	...	...	170
(7) Essentiality Certificates for re-imbusement of Medical expenses to Government Servants.	...	...	...	...	600
(8) Ordinary Certificates (Free)	...	...	...	...	10,500

Expenditure out of Poor Box Charity Fund

Besides the expenditure incurred from Municipal Funds a sum of Rs. 95,775.48 was spent out of the Poor Box Charity Fund in the year 1967-68 as against 2,11,211 in previous year. This amount was mostly spent on costly drugs, blood transfusions surgical appliances, travelling expenses of patients, etc., for the poor and deserving patients of the hospital.

Donations to the extent of Rs. 44,697.47 was received by the Poor Box Charity Fund from the patients, Philanthropic bodies and individuals. In addition to cash donations, small donations in kind were also received.

Expenditure out of the hospital Budget Grant

The total expenditure incurred on the maintenance of the hospital during the year 1967-68 including liabilities at the end of the year but exclusive of the cost of extension scheme amounted to Rs. 1,11,73,658 approximately. The expenditure was inclusive of the cost of maintenance and treatment of In-patients, Out-patients and Establishment charges on Medical, Nursing, Administrative and Labour Staff as well as the cost of the staff for maintenance and repairs of the buildings.

S. V. JOGLEKAR.

M. S., F. C. P. S.

Dean,

K. E. M. Hospital & G. S. Medical College.

APPENDIX No. 1

Distribution of beds according to classification of Departments and Sex

Departments	Male	Female	Children	Total
(1) Medical	120	43	...	163
(2) Surgical	108	36	26	170
(3) Ophthalmic	20	12	...	32
(4) Gynaec	...	50	...	50
(5) Obstetric	...	105	...	105
(6) Skin and Venereal	12	8	4	24
(7) Orthopaedic	120	80	40	240
(8) Aural	12	8	22	42
(9) Psychiatric	30	4	4	40
(10) Neuro-Surgical	25	2	2	29
(11) Neurology	14	2	4	20
(12) Paediatric	...	...	80	80
(13) Plastic Surgery and Burns	16	14	10	40
(14) Thoracic	10	6	...	16
(15) Isolation	2	1	...	3
(16) Resuscitation	4	1	...	5
(17) Tetanus	5	3	2	10
(18) Cardio-Vascular and Thoracic Surgery	...	...	...	40
(19) Cardiology and Chest Clinic	...	...	...	40
(20) Paediatric Surgery	...	...	16	16
Total	498	375	212	1,085+92 = 1,177

APPENDIX No. 2

Statement showing the particulars of Indoor and Out-door patients, the number of Operations done etc., during the years 1967, 1966 and 1965.

Particulars	1967	1966	1965
(a) In-patients—			
(1) Schedule strength of beds	1,179	1,113	1,113
(2) Daily average number of In-patients	1,565	1,436	1,300
(3) Total number of new In-patients admitted	52,629	53,335	52,210
(4) Average number of days each patient was resident	10.9	9.82	9.39
(b) Out-patients—			
(1) Total number of new Out-patients attendance	3,14,401	3,19,476	3,14,699
(2) Daily average number of new Out-patients	1,031	1,047	1,032
(3) Total number of Out-patients attendance: New & Old	6,73,973	6,86,064	7,89,215
(4) Daily average number of Out-patients attendance	2,230	2,250	2,588
(5) Number of Casualty Patients	69,069	71,558	70,176
(c) Operations—			
(1) Total number of Operations on In-patients	22,289	19,176	19,336
(2) Total number of Operations on Out-patients	40,387	35,131	30,875

APPENDIX No. 3

Statement showing the In-patients treated in the K. E. M. Hospital during the year 1967 with the classification according to Depts. Sex, Age, Discharges & Deaths.

Department	Unit	Sex	In the Hospital at the midnight of 31st Dec. 1966	Admitted during the year	Total treated	Discharged during the year	Died during the year	In the Hospital by the midnight of 31st Dec. 1967	
Medical	I	Male	41	1,552	1,593	1,389	157	47	
		Female	12	502	514	448	60	6	
		M/Children
		F/Children
	II	Male	35	1,314	1,349	1,194	124	31	
		Female	13	436	449	382	57	10	
		M/Children	...	7	7	6	1	...	
		F/Children	...	3	3	1	2	...	
	III	Male	33	1,499	1,532	1,348	156	28	
		Female	16	637	653	571	68	14	
		M/Children
		F/Children
	IV	Male	53	1,657	1,710	1,430	233	47	
		Female	19	721	740	598	114	28	
		M/Children	2	300	302	165	132	5	
		F/Children	2	183	185	99	84	2	
	V	Male	29	1,114	1,143	1,014	100	29	
		Female	10	424	434	365	54	15	
		M/Children
		F/Children
	VI	Male	38	1,380	1,418	1,265	129	24	
		Female	9	582	591	529	53	9	
		M/Children
		F/Children
Surgical	I	Male	25	1,632	1,657	1,547	93	17	
		Female	10	467	477	428	38	11	
		M/Children	5	232	237	226	9	2	
		F/Children	3	77	80	77	3	...	
	II	Male	29	1,496	1,525	1,436	64	25	
		Female	9	437	446	398	40	8	
		M/Children	4	213	217	208	8	1	
		F/Children	3	106	109	102	5	2	
	III	Male	28	1,285	1,313	1,219	69	25	
		Female	5	351	356	315	35	6	
		M/Children	3	177	180	170	8	2	
		F/Children	2	66	68	63	5	...	
	IV	Male	34	1,441	1,475	1,330	117	28	
		Female	16	453	469	409	48	12	
		M/Children	6	270	276	260	14	2	
		F/Children	4	105	109	98	10	1	
	V	Male	25	1,574	1,599	1,492	81	26	
		Female	9	469	478	436	30	12	
		M/Children	3	241	244	232	8	4	
		F/Children	2	87	89	80	8	1	
	VI	Male	32	1,458	1,470	1,362	92	36	
		Female	8	367	375	324	39	12	
		M/Children	1	201	202	187	13	2	
		F/Children	2	80	82	79	3	...	
Ophthalmic	I	Male	10	394	404	396	1	7	
		Female	5	238	243	238	1	4	
		M/Children	...	38	38	38	...	...
		F/Children	...	8	8	8	...	...
	II	Male	7	352	359	345	...	14	
		Female	8	219	227	220	...	7	
		M/Children	...	39	39	37	1	1	
		F/Children	...	32	32	31	...	1	
Gynaec	I	Female	23	1,330	1,353	1,316	8	29	
		F/Children	...	1	1	1	...	...
	II	Female	18	1,296	1,314	1,277	10	27	
		F/Children	...	2	2	2	...	...
Skin & Venereal	I	Male	13	277	290	266	4	20	
		Female	8	80	88	80	3	5	
		M/Children	4	22	26	26	...	...
		F/Children	3	14	17	17	...	...
Aural	I	Male	7	511	518	506	6	6	
		Female	2	468	470	465	3	2	
		M/Children	...	253	253	251	2	...	
		F/Children	...	254	254	252	1	1	
	II	Male	5	495	500	492	3	5	
		Female	1	387	388	387	...	1	
		M/Children	...	296	296	293	...	3	
		F/Children	...	282	282	277	1	4	

APPENDIX No. 3—(concl.)

Department	Unit	Sex	In the Hospital at the midnight of 31st Dec. 1966	Admitted during the year	Total treated	Discharged during the year	Died during the year	In the Hospital by the midnight of 31st Dec. 1967
Orthopaedic	I	Male ...	74	654	728	626	28	74
		Female ...	37	282	319	275	7	37
		M/Children ...	17	158	175	157	4	14
		F/Children ...	13	81	94	90	1	8
	II	Male ...	64	669	733	662	19	52
		Female ...	28	287	315	265	13	37
		M/Children ...	16	131	147	137	2	8
		F/Children ...	13	82	95	84	—	11
	III	Male ...	56	697	753	678	22	53
		Female ...	26	299	325	285	13	27
		M/Children ...	11	171	182	165	2	15
		F/Children ...	9	82	91	83	2	6
Psychiatric	I	Male ...	10	224	234	217	4	13
		Female ...	1	95	96	87	2	7
		M/Children ...	1	5	6	6	—	—
		F/Children ...	1	14	15	15	—	—
	II	Male ...	8	241	249	238	3	8
		Female ...	3	78	81	77	—	4
		M/Children ...	—	9	9	8	—	1
		F/Children ...	—	8	8	7	—	1
Neurology	...	Male ...	21	347	368	338	15	15
		Female ...	2	135	137	126	9	2
		M/Children ...	—	46	46	37	4	5
		F/Children ...	—	27	27	23	3	1
Neuro-Surgery	...	Male ...	14	173	187	144	27	16
		Female ...	2	77	79	60	10	9
		M/Children ...	1	44	45	35	7	3
		F/Children ...	1	18	19	14	4	1
Paediatric Medical	I	M/Children ...	21	1,091	1,112	903	191	18
		F/Children ...	17	799	806	625	171	20
Paediatric Medical	II	M/Children ...	17	1,137	1,154	930	195	29
		F/Children ...	15	828	848	654	169	20
Paediatric Medical	III	M/Children ...	—	940	940	778	148	14
		F/Children ...	—	649	649	542	93	14
Obstetric	I	Female ...	63	4,397	4,460	4,387	12	61
		Female ...	56	3,273	3,329	3,262	14	53
Plastic Surgery	...	Male ...	12	202	214	196	1	17
		Female ...	9	88	97	92	—	5
		M/Children ...	3	108	111	105	1	5
		F/Children ...	2	62	64	63	—	1
Thoracic Surgery	...	Male ...	16	174	190	153	8	29
		Female ...	11	88	99	76	3	20
		M/Children ...	3	37	40	30	4	6
		F/Children ...	2	11	12	11	1	1
Cardiology	—	Male ...	—	125	125	115	9	1
		Female ...	—	75	67	4	4	4
		M/Children ...	—	25	25	17	8	—
		F/Children ...	—	18	18	15	3	—
Paediatric Surgery	...	M/Children ...	—	270	270	230	19	21
		F/Children ...	—	113	113	85	78	11
Asthma	...	Male ...	—	62	62	50	1	11
		Female ...	—	34	34	29	—	5
		M/Children ...	—	3	3	2	—	1
		F/Children ...	—	2	2	1	—	1
Total	...	Male ...	719	22,999	23,718	21,448	1,566	704
		Female ...	439	19,072	19,511	18,274	748	489
		M/Children ...	118	6,464	6,582	5,639	787	162
		F/Children ...	94	4,094	4,188	3,499	580	103
		Grand Total ...	1,370	52,629	53,999	48,860	3,681	1,458

APPENDIX No. 4

Statement showing the Out-patients (New, Old and Casualty) treated in the K. E. M. Hospital during the year 1967, with classification according to the Departments, Sex and Age.

Departments	Sex	O. P. D. New cases	O. P. D. Old cases	Total attendance	Casualty
Medical	Male	40,008	44,913	84,921	1,808
	Female	23,440	28,248	51,688	750
	M/Children	332	1	333	209
	F/Children	216	1	217	112
Surgical	Male	48,030	42,150	90,180	29,932
	Female	22,304	14,795	37,099	8,619
	M/Children	9,240	4,633	13,873	8,166
	F/Children	5,136	2,043	7,179	3,493
Ophthalmic	Male	12,880	15,550	28,430	2,418
	Female	5,655	6,462	12,117	248
	M/Children	1,300	793	2,093	207
	F/Children	831	502	1,333	64
Gynaec	Female	11,697	15,808	27,505	35
	F/Children	2	...	2	4
Dental	Male	8,632	4,385	13,017	56
	Female	5,465	3,446	8,911	21
	M/Children	1,167	276	1,443	7
	F/Children	795	174	969	1
Skin and Venereal	Male	12,638	12,859	25,497	107
	Female	6,423	4,614	11,037	13
	M/Children	2,549	1,065	3,614	24
	F/Children	1,655	656	2,311	2
Aural	Male	11,153	10,937	22,090	683
	Female	7,230	7,436	14,666	205
	M/Children	2,859	1,819	4,678	391
	F/Children	2,043	1,337	3,380	283
Orthopaedic	Male	10,820	33,664	44,484	6,411
	Female	5,237	12,462	17,699	1,590
	M/Children	2,049	6,810	8,859	1,469
	F/Children	1,154	3,213	4,367	656
Psychiatric	Male	2,146	15,823	17,969	16
	Female	1,166	8,486	9,652	4
	M/Children	166	281	447	...
	F/Children	86	94	180	4
Neurology	Male	694	1,968	2,662	2
	Female	382	624	1,006	...
	M/Children	182	82	264	7
	F/Children	108	35	143	1
Neuro-Surgical	Male	255	409	664	4
	Female	118	41	85	...
	M/Children	44	41	85	...
	F/Children	20	19	39	2
Paediatric	M/Children	11,974	16,715	28,689	430
	F/Children	8,424	10,479	18,903	246
Obstetric	Female	7,694	18,800	26,494	129
Dispensary Service	Male	7,770	4,641	12,411	...
	Female	3,936	2,577	6,513	...
	M/Children	2,222	534	2,756	...
	F/Children	1,475	374	1,849	...
Plastic Surgery	Male	159	111	270	115
	Female	92	25	117	24
	M/Children	88	10	98	46
	F/Children	50	4	54	35
Thoracic Surgical	Male	137	63	200	7
	Female	77	12	89	3
	M/Children	16	...	16	1
	F/Children	19	...	19	2
Cardiology	Male	552	340	892	...
	Female	280	112	392	...
	M/Children	33	1	34	...
	F/Children	20	2	22	...
Diabetic Clinic	Male	275	36	311	3
	Female	144	15	159	2
	M/Children	7	...	7	...
	F/Children	3	...	3	1
Gastro-Intestinal Clinic	Male	191	1,196	1,387	...
	Female	93	317	410	...
	M/Children	10	13	23	...
	F/Children	8	10	18	...

APPENDIX No. 4—(Concl.)

Statement showing the Out-patients (New, Old and Casualty) treated in the K. E. M. Hospital during the year 1967, with classifications according to the Departments, Sex, and Age

Department	Sex	O. P. D. New cases	O. P. D. Old cases	Total attendance	Casualty
Endocrinology	Male	103	67	170	...
	Female	87	46	133	...
	M Children	18	...	18	...
	F Children	9	1	10	...
Epilepsy	Male	18	2	20	...
	Female	6	1	7	...
	M Children	1	...	1	...
	F Children	1	...	1	...
Asthma Clinic	Male	25	24	49	...
	Female	21	1	22	...
	M Children	2	...	2	...
	F Children	1	...	1	...
Paediatric Surgical	M Children	26	...	26	1
	F Children	14	...	14	...
Cardio-Vascular Thoracic Clinic	Male	4	6	10	...
	Female	3	...	3	...
	M Children	2	...	2	...
	F Children	4	...	4	...
Total	Male	1,56,460	1,39,144	3,47,634	41,562
	Female	1,01,550	1,24,410	2,25,960	11,643
	M Children	34,287	33,774	67,381	10,953
	F Children	22,074	18,544	41,618	4,906
Grand Total:...		3,14,401	3,55,572	6,79,973	69,069

APPENDIX No. 5

Statement showing the relative cost per In-patient and Out-patient per day during the year 1967-63 and previous two years

Particulars	1967-63	1966-67	1965-66
	Rs.	Rs.	Rs.
(a) Average cost per In-patient per day	15.67	14.39	13.03
(b) Average cost per In-patient admission	170.93	141.16	122.97
(c) Average cost per Out-patient attendance	3.42	2.84	1.60
(d) Average cost per Out-patient admission	7.40	6.09	4.01

APPENDIX No. 6

Statement showing the details of cost per In-patient for the year 1967-68 and previous two years.

Year	Diets	Drugs Dressings etc.		Stores and Linen		Heating and Lighting		Miscellaneous		Estab- lishment		Repairs to Building and Engineer- ings		Total
		Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	
1967-68	...	1.53	3.11	0.64	0.35	0.94	8.68	0.47	15.67					
1966-67	...	1.61	3.23	0.74	0.30	0.35	7.40	0.56	14.39					
1965-66	...	1.46	2.90	1.07	0.24	0.63	6.40	0.33	13.03					

APPENDIX No. 7

Statement showing the average cost of each New Out-patient's admission for the year 1967-68 and previous two years.

Year	Drugs Dressings etc.	Stores and Linen		Heating and Lighting		Miscellaneous		Estab- lishment		Repairs to Building Engineering		Total
		Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	
1967-68	...	1.63	0.76	0.03	0.10	4.73	0.10	7.40				
1966-67	...	1.46	0.34	0.02	0.24	3.96	0.07	6.09				
1965-66	...	1.19	0.26	0.04	0.05	2.39	0.17	4.01				

APPENDIX No. 8

Statistical Information

Average age of students.		Year 1967-68	Year 1966-67
I. At the time of admission	...	18 Years	21 Years
II. At the time of Matriculation	...	17 Years	18 Years
<i>Marital state at the time of admission :</i>			
I. Married	...	...	...
II. Betrothed	...	...	...
III. Single	...	Yes	Yes
<i>Occupations of parents or guardians :</i>			
Service	...	50%	57%
Medical Profession	...	16%	13%
Legal profession	...	1%	3%
Engineering	...	3%	...
Miscellaneous occupations	...	30%	5%

APPENDIX No. 9

Annual Cost and Revenue

		1967-68	1966-67
		Rs.	Rs.
Total expenditure including expenditure on hostels	...	22,43,168.11	19,41,216.98
Dearness Allowance (included in the above figures)	...	7,24,989.53	7,36,617.53
Revenue from tuition fees, Hostel rent and miscellaneous receipts	...	3,18,330.00	2,46,379.69
Revenue from Post-graduate fees	... ..	64,547.00	27,671.00
Gross cost per student	... ..	2,013.62	2,472.95
Net cost per student	... ..	1,625.37	1,742.56
Income from Hostel	... ..	49,633.00	39,305.00
Expenditure on Hostel	... ..	6,127.00	77,033.00

APPENDIX No. 10

PARTICULARS REGARDING STUDENTS

Number of students in the different classes :—

Class	Male student	Female student	Total
1st M.B., B.S. 1st year	73	87	160
1st M. B., B. S. 2nd year	104	75	179
2nd M.B., B.S. 3rd year	85	82	167
2nd M.B., B.S. 4th year	80	83	163
3rd M.B., B.S. 5th year	69	54	123
Interns	17	28	45
Total number of students	428	409	837
Post graduate students including	158	75	233
Research students	21	23	44
Total	179	98	277

APPENDIX No. 11

RESULTS OF VARIOUS EXAMINATIONS

Undergraduate examination.

Name of the Examination	Held in	Candidates sent up	No. of candidates who passed the whole examination
1st M.B.B.S.	... April 1967	... 59	38
	... October 1967	... 172	136
2nd M.B.B.S.	... April 1967	... 167	130
	... October 1967	... 61	51
3rd M.B.B.S.	... April 1967	... 59	34
	... October 1967	... 146	117
M.D. (Medicine)	... April 1967	... 11	4
	... October 1967	... 15	3
M.D. (Pathology & Bact)	... April 1967	... 3	...
	... October 1967	... 5	2
M.D. (Obstetrics & Gynaec)	... April 1967	... 20	12
	... October 1967	... 14	2
M.D. (Pharmacology)	... April 1967	... 3	1
	... October 1967	... 2	1
M.D. (Paediatrics)	... April 1967	... 4	3
	... October 1967	... 6	2
M. D. Tuberculosis	... April 1967	... 1	...
	... October 1967	...	...
M.S. (General) Surgery	... April 1967	... 21	6
	... October 1967	... 13	1
M.S. (E. N. T.)	... April 1967	... 6	1
	... October 1967	... 7	5
M. S. (Orthopaedics)	... April 1967	... 7	1
	... October 1967	... 4	1
D. A.	... April 1967	... 3	2
	... October 1967	... 7	5
M. S. (Ophthalmology)	... April 1967	... 1	1
	... October 1967	... 3	1
D.M.R.E. (Part II)	... April 1967	... 1	1
	... October 1967	...	...
D.P. H.	... April 1967	...	...
	... October 1967	...	...
D.V.D.	... April 1967	...	...
	... October 1967	... 1	1
M.Sc. (Biochemistry)	... April 1967	...	...
by papers	... October 1967	...	...
M. Sc. (Biochemistry)	... April 1967	...	...
by research	... October 1967	...	...
D.G.O.	... April 1967	...	...
	... October 1967	...	...
D. O. M. S.	... April 1967	...	...
	... October 1967	...	...
D C. H.	... April 1967	... 2	1
	... October 1967	...	...
D. P. B.	... April 1967	... 1	1
	... October 1967	...	...
D Orth.	... April 1967	...	...
	... October 1967	...	...
D. O. R. L.	... April 1967	... 2	2
	... October 1967	...	...

E. N. T. HOSPITAL

The Ear, Nose and Throat Hospital was started at the Improvement Trust Building, 7, Napier Road, Fort, Bombay on the 1st December 1962, for providing medical and surgical treatment to patients suffering from Ear, Nose and Throat diseases.

The scheduled bed strength of the hospital is 100, and all the 100 beds were commissioned for inpatients during year under report. The total number of patients admitted in the hospital during the year 1967 was 5519. The average stay of an inpatient in the hospital was 4.73 days during this period. Out of the total number of 5,519 inpatients 4,644 were cured, 524 were relieved, 155 were otherwise discharged, 113 left against medical advice, 14 died, leaving 69 patients under treatment in the hospital on the last day of the year.

The highest number of patients admitted on a single day was 31 on 6th February 1967.

Out Patient Department

The total number of new case papers issued during the 1967-68 was 26,401 and total number of out-patient attendance (New 20,401 and old 37,254 cases) was 63,655 bringing daily average attendance of out-patients to 208.05. The highest number of out-patients on a single day was 351, on 16th October 1967.

Operative Work

As many as 6,219 operations were performed, out of which 1689 were performed on out-patients and remaining 4,530 on the In-patients during the year.

Donation

Seth Mangoomal Atmasing, Managing Trustee of Atmasing Jessasing Charitable Trust has donated Rs. 2½ Lakhs to the Ecmby Municipal Corporation for renaming the hospital.

Lecture Series

Few lectures by the Honorary Staff were arranged at the E. N. T. Hospital for the benefit of M. S. (ENT) students during the year. Some very interesting clinical demonstrations were also given by the said staff.

Poor Box Charity Fund

Cash boxes were continued to be kept in the hospital to enable the patients to drop in their voluntary contributions towards Poor Box Charity Fund. An amount of Rs. 5,615.09 was collected for the Fund through these boxes during the year 1967-68. The fund was utilised for the welfare of the poor and deserving patients attending the hospital.

M. J. NERURKAR
Asstt. Medical Officer, Munt. E. N. T. Hospital.

APPENDIX I

Statement showing the particulars of Outdoor patients treated during the year 1967 at the E. N. T. Hospital:—

(1) No. of new cases	...	...	...	26,401
(2) No. of old cases	...	...	...	37,254
(3) No. of higher attendance on single day	...	...	...	351 on 16th October 1967
(4) Daily average No. of out-patients' attendance	...	...	...	208.05
(5) No. of operations on out-patients	...	...	...	1,689

Statement showing out-patients (new and old) treated in the E. N. T. Hospital during the year 1967 with classification according to sex:—

Sex	O.P.D. New Cases.	O.P.D. Old Cases.	Total Attendance
Male	12,199	18,249	30,448
Female	7,209	11,955	19,164
Male-Child	3,849	3,918	7,767
Female-Child	3,144	3,132	6,276
Total	26,401	37,254	63,655

APPENDIX II

Statement showing the Indoor-patients, Operations done, etc., during the year 1967 at the E. N. T. Hospital.

(1) Scheduled strength of beds	...	...	...	100
(2) No. of beds commissioned	...	...	...	100
(3) Total No. of new patients admitted	...	...	...	5,519
(4) Average No. of days each patient was resident	...	...	...	4.73 days
(5) Total No. of operations on indoor patients	...	...	...	4,530

Statement showing the in-patients treated in the E. N. T. Hospital during the year 1967 with classification according to Sex etc.

Sex.	Admitted.	Discharged.	Died.	In the Hospital.
Male	2,094	2,046	10	38
Female	1,379	1,356	4	19
Male-Child	1,056	1,048	...	8
Female-Child	990	986	...	4
Total	5,519	5,436	14	69

Bai Yamunabai L. Nair Charitable Hospital & Topiwala National Medical College

BOMBAY-8

Hospital :

The number of schedule beds is 336. There is always a pressing demand for indoor admission with result that the hospital wards are always overcrowded. Simple Surgical operative cases such as Hydrocele, Hernia, Piles etc., and a few orthopedic cases are transferred to Dr. Bhajekar Surgical Hospital, Khetwadi Bombay 4, which is under the control of this hospital. This has however not helped much to reduce the overcrowding of indoor patients at this hospital.

Expansion Scheme :

The new extension building of the hospital is expected to be ready for occupation by August 68. This building has a bed capacity of about 500, 10 operation theatres to be fully air-conditioned. 2 operation theatres will be exclusively available for specialised surgical services like Heart Surgery, Neuro-Surgery etc. With the commission of this new hospital building, the bed strength of the hospital will increase to about 650. The extension building will house a number of O. P. D. Clinics, Casualty Department and quarters for Resident Medical Officers on the 8th floor.

The extra beds and additional facilities are expected to ease the present overcrowding to some extent.

There is a second phase of expansion programme which will commence after the extension building is occupied. In this second phase of expansion programme adequate facilities are mainly proposed for specialised services.

Administrative Staff :

Dr. T. H. Rindani, M.D., D.Sc, F.A.Sc, F.A.M.S., held the post the Dean of the B.Y.L. Nair Charitable Hospital and Topiwala National Medical College.

Dr. V. B. X. Almeida, M.B.B.S., held the post of the Assistant Dean and Fire Brigade Surgeon.

A short report on the general and work done in the various departments of the hospital is given below :—

Indoor Patients :

The total number of patients admitted during the year was 25,374 against 24,160 and 24,892 during the years 1966 and 1965 respectively.

On an average, the daily number of patients was 490.88 as against a schedule bed strength of 336.

Some Surgical cases were treated at Dr. Bhajekar Hospital and more complicated cases were operated at the hospital which caused a slightly higher average stay of the patients.

The highest number of in-patients on a single day was 551 and highest number of admissions on a single day was 105.

Out of total number of 25,831 in-patients including 457 brought from the previous years balance, 23,966 were discharged, 1,401 died leaving a balance of 464 patients at the end of the year.

Out of 1,401 deaths 289 were within first 24 hours of admission, 387 were after 24 hours but within 72 hours of admission and the remaining 725 died after a period exceeding 3 days from admission. These were made up of 499 children and 1002 adults in respective periods.

Out Patients Departments :

The working hours of the out-patient clinics and registry section are the same. The working hours of almost all the special service units like Cardiology, Gastro-enterology, etc., are fixed from 11-30 A.M., to 1-30 P.M. This timing has been found to be more helpful in reducing the waiting period of the patients.

The total number of O. P. D. attendance including Casualty patients during the year was 3,62,574 as against 3,69,189 for the year 1966 giving a daily average of 1188.77 against 1194.79 for the previous year.

The highest number of attendance on any one day was 1543 as against 1593 for the previous year. The highest number of new and old cases on a single day was 649 and 988 respectively.

Blood Bank :

Demand for blood was found to be pressing as usual. During the year approximately 4,634 transfusions (excluding plasma transfusions) were administered as against 4,100 for the previous year.

Response from the voluntary donors was found to be quite encouraging and 344 voluntary donors were bled during the year as against only 69 during the previous year.

Due to the ever increasing and pressing demand for blood it was thought desirable to request the relations of the patient in need of blood, to donate blood. Response for request was found encouraging and many relatives responded to the request. Students and other Voluntary donors from nearby residential colonies also offered blood donation.

Pharmacy Department :

The Pharmacy Department which was kept under a qualified Pharmacist in 1954 has now expanded to an up to-date full fledged unit undertaking preparations of a number of drugs, vials, Ampules, package of ointment, etc.

The quality control section had undertaken analysis of 70 samples during the year.

The Central Sterile Supply Service has been provided by the pharmacy department.

During the year, the pharmacy department undertook pharmaceutical preparations of a number of items at a cost of Rs. 1,02,748.85. The approximate market cost of this was Rs. 3,24,693.75 this effected, a potential saving of Rs. 2,21,944.90.

Cardiology Medical and Surgical Services :

The out-patient clinic is open on Tuesdays and Thursdays from 11-30 A.M. to 1-30 P.M.

During the year 512 new cases and 846 old cases were examined and treated at O.P.D. 108 patients were admitted for indoor treatment. During the year 68 cardiac operations were done. Only two Cardiac Catheterisation could be done as the equipment was out of order, for sometime. During the year under report 5,758 Cardiograms were taken as against 5,306 during the previous year.

On the invitation from the Banares University, Dr. K. N. Dastur, M.S., F.R.C.S., Hon. Cardiac Surgeon along with Dr. J. H. Mehta, M.B.B.S., D. A., Hon. Anaesthetist and team of medical, nursing and technical staff visited Banares in February 1967 and demonstrated 'Open Heart Surgery' technique.

Gastro Enterology Medical Service :

The out-patient clinic is open on Wednesdays and Saturdays from 11-30 A.M. to 1-30 P.M.

During the year 365 new cases were examined and treated at the O. P. D. in addition to the old follow up cases which were numbered 1,377. 252 patients were admitted for indoor treatment.

Regular follow up is undertaken of all the cases. The department carried out routine investigations in addition to special investigations such as peritoneoscopy, sigmoidoscopy, Gastric Biopsies, Jejunal Biopsies, Colon Biopsies, Oesophagus Biopsy and Gastro-scopy.

Gastro Enterology Surgical Service :

The clinic is open on Wednesdays from 11-30 A.M. to 1-30 P.M.

During the year 615 new cases were examined and treated in addition to the regular old and follow up cases which numbered about 1,030. 189 cases were operated out of the patients admitted for indoor treatment.

Neurology Service :

The Clinic is open on Tuesdays and Fridays from 12 noon to 2 P.M.

During the year 161 new cases were treated and examined in addition to 249 old cases coming for follow up 18 cases were admitted from those attending the O. P. D. Clinic in addition to the cases transferred from other services of the hospital.

Angiographic studies had to be restricted due to the non-availability of radiographic control dye.

Neuro Surgery :

The out patient clinic is open on Tuesdays and Fridays from 12 noon to 2 P.M.

During the year 111 new cases were examined and treated in addition to 82 old and follow up cases. 57 cases were admitted for indoor treatment. During the year under report 108 operations were performed.

Rheumatic and Collagen Diseases Service :

The O.P.D. Clinic is open on Saturdays from 2 P.M. to 4 P.M.

The attendance at the clinic is on increase and at every service about 10 New 60 follow up cases are attended.

24 cases were admitted for indoor treatment from the clinic.

Thoracic Surgery Service :

The O. P. D. Clinic is open on Tuesdays from 11-00 A.M. to 1-00 P.M.

During the year 576 patients attended the out-patient department. 135 operations were performed on the patients admitted for indoor treatment.

Genito Urinary Surgical Service :

The O. P. D. Clinic is open on Thursdays from 12 noon to 2-00 P.M.

During the year 98 new cases were examined and treated. The old follow up cases numbered 113. During the year 138 operations were performed.

Plastic Surgery Service :

The O. P. D. Clinic is open on Wednesdays between 12 noon and 2-00 P.M.

During the year 135 new cases attended the department, in addition to regular follow up cases. 141 patients were admitted for Surgery and 136 operations were performed.

Eye Bank :

To meet the long felt need of the public, the Eye Bank O. P. D. Clinic was started at the hospital from 30th March 1967. The Clinic is open on Thursdays from 12-30 p.m. to 2-00 p.m.

During the period from 30th March to December 1967, 35 new cases were examined at the clinic in addition to a regular follow up of cases which were on average 7-8 per clinic. 20 patients were admitted for in door treatment and 20 operations were performed.

Response for donation of eyes was gradually on increase

Family Welfare Planning Clinic :

The attendance at the clinic was found to be on increase and during the year 2,530 per sons attended the clinic and 5,517 were visited at home. Contraceptives costing about Rs. 2,557 were supplied to the persons attending the clinic. During the year, 39 Vasectomy and 299 Sterilisation operations were performed.

Department of Radiology :

During the year under report, the following Diagnostic and Therapeutic work was done in the department.

Routine X-Ray	...	21,210
Barium meal and Enema	...	1,234
Carotid Angiography	...	136
Other Radiological Exam.	...	1,053
TOTAL	...	23,633

Preventive and Social Medicine Department :

The department provided clinic service to two types of Socio-occupational groups—Sweepers at Arthur Road and White Collard Workers at Cilder Lane.

The record of clinic service for the year 1967 is as follows :—

Group	No. of Clinic Sessions Held.	No. of 1st Visits	No. of Re-Visits	Total
Arthur Road	186	45	3,210	3,255
Gilder Lane	47	13	520	533
TOTAL	233	58	3,730	3,788

The department continued to undertake follow up work of cases referred from the hospital. During the year "Tuberculin" testing was carried on 5,770 children attending C. F. E. clinic as against 3333 for the previous year. B. C. G. vaccination was administered 2,040 new born and 1,133 children attending paediatric O. P. D. and School Clinic.

Home visits were undertaken as usual and small-pox vaccine was given to the new-born children. Health Education classes were held once a week at the O. P. D. Clinic and once a week in the Arthur Road Chawls.

A special study was undertaken of Accident Cases in children under 15 years admitted at this hospital and 62 cases were seen and recorded during the year.

Audiology And Speech Therapy Department :

The demand for the services of this department is ever increasing. During the year 1,705 new cases were registered as against 854 for the previous year. Average daily attendance also increased to about 35-40 from approximately 14 for the previous year.

The break up of the different cases treated at the department is as under :—

Deafness	234
Stammering	221
Dyslalia	89
Laryngectomy	21
Mental Retardation	41
Cerebral Palsy	16
Aphasia	11
Cleft palate	54
Audiogram	817
Dysarthria	27
Delayed in speech & language	82
Miscellaneous	27
Dysphonia	65
TOTAL	1,705

Audiology and Speech Therapy School has been affiliated to the University of Bombay from 1967 and students were admitted in June 1967 for part I degree Course in B.Sc. (Audiology and Speech Therapy).

Out of 10 students admitted for diploma Course in Audiology and Speech Therapy in August 1966, 8 students were declared successful and qualified for part II in 1967.

School Clinic :

A Clinic for Medical Examination of School children from Municipal Schools in A to E Wards, was opened from 1st July 1965. The clinic worked in three services viz. Paediatric; Aural and Ophthalmic from Monday to Friday between 2-30 p.m. to 4-30 p.m.

The details of work done at the clinic are given below :-

I-ATTENDANCE

Service	New	Old	Total	Referred
Paediatric	626	5,197	5,823	...
Ophthalmic	353	3,309	3,662	230
Aural	544	4,220	4,764	868
TOTAL	1,523	12,726	14,249	1,098

During the year 171 children were operated for Tonsils, 4 for mastoid and 4 for diseases of eye. X-Rays were taken in 268 cases and Cardiogram in 19 cases. Glasses were given to 180 children and artificial eye to one child.

Nursing Staff :

During the year 30 students passed General Nursing examination part II and 27 students passed the midwifery examination.

Poor Patients Fund :

Donations to the extent of Rs. 7,334.18 were received during the year in addition to Rs. 22,197.87 collected from the boxes kept in the wards and O. P. D. of this hospital.

An amount of Rs. 4,757.33 was spent from the fund towards Medicine, Drugs etc. for the poor patients.

Donations exceeding Rs. 1000 were received from the following parties.

Smt. Hasmukh Gauri D. & Sons	Rs.	2,501
Smt. Lakhmibai Hassanand Hemder		2,400

Health Check up Centre :

173 citizens took benefit of this facility during the year.

The Health Check up Centre is open on week days from 6 p.m. to 7-30 p.m. and on Saturdays from 2-00 pm. to 2-30 p.m.

This is one of the best facility available for complete medical check up but citizens do not seem to take full advantage of this facility.

Annual Expenditure :

The total expenditure incurred on the maintenance of the hospital including liabilities at the end of the year amounted to Rs. 49,36,373 as against Rs. 36,33,460 for the previous year.

Appendices 1 to 9 give the information about the work of the hospital in statistical form.

TOPIWALA NATIONAL MEDICAL COLLEGE

The College has been permanently affiliated to the University of Bombay for teaching the courses of studies leading upto M.B.B.S. and B.Sc. (Med.) Degree Examinations. The University of Bombay has revised Diploma Courses in Medical subjects such as D.A., D.P.H. and D.V.D. from 3rd June 1967.

The College is also affiliated with the College of Physicians and Surgeons of Bombay for Post-graduate Diploma Courses.

Audiology and Speech Therapy School has been affiliated to the University of Bombay from 1967 for degree Course in B.Sc. (Audiology and Speech Therapy).

Admission :

The number of undergraduate students on the roll at the close of the year was 643 out of which 320 were lady students. The number of post-graduate students was 192 including 58 ladies. Students registered for Diploma Courses of the College of Physicians and Surgeons of Bombay were 82 including 22 lady students.

The arrangement of sending students to the L. T. M. G. Hospital, Sion, for clinical training was restarted from 1-12-1967 with permission of the University of Bombay. However the University of Bombay has approved this arrangement only for a period of one year upto June 1968.

Lectures, Seminar and Research:

During the year, Clinico-Pathological conferences and clinical meetings were held.

Research Society:

The Research Society of the College and Hospital, continued its work as usual.

University and College Prizes:

List of Prizes awarded in the year 1967-68.

Name of the Student.	Name of the prizes awarded.
(1) Shri S. P. Shah ...	(1) Dr. D. H. Dudha Memorial prize in Medicine for securing highest marks in the competitive examination in Medicine held in April 1967.
(2) Shri A. R. Kalelkar ...	(1) Dr. D. D. Sathye's Prize and (2) Dr. D. D. Variava's Prize for securing highest number of marks at I M.B. B.S., Examination in Anatomy held in October 1967. (3) Mahatma Gandhi Memorial Prize for securing highest total of marks at the I M.M.B.S. Examination held in October 1967.
(3) Smt. A. M. Borges ...	(1) Dr. S. B. Parchure's Prize for securing highest marks in Physiology at the 1st M.B.B.S. Examination held in October 1967. (2) Dr. G. P. Nair, Scholarship in Embryology.
(4) Shri R. H. Merchant ...	(1) Dr. P. F. Soonawala Gold Medal for securing highest number of marks in Medicine at the III M.B.E.S. Examination held in October 1967.
(5) Shri R. H. Merchant and Smt. N. M. Wagh.	(1) Dr. A. L. Nair Memorial Gold Medal for securing highest number of marks in Surgery at the III M.B.B.S. Examination held in October 1967. (Equally divided between them).
(6) Shri R. H. Merchant ...	(1) Dr. D. B. Pandye's Prize in books and (2) Smt. Gopika Narayan Karande's Prize for securing highest number of marks in Midwifery at the III M.B.E.S. Examination held in October 1967. (3) Dr. Parab Memorial prizes for standing first at the III M.B.B.S. Examination held in October 1967.
(7) Shri G. J. Dani ...	Dr. A. L. Nair Scholarship in Medicine for standing first at the competitive examination in Medicine held in August 1967.
(8) Smt. L. S. Mudiman and Smt. S. L. Shevde.	(1) Dr. V. G. Rele's Scholarship and (2) Dr. S. S. Rao Prize are divided between them for securing highest number of marks in Pharmacology at the II M.B.B.S. examination held in April 1967.
(9) Smt. S. L. Shevde ...	(1) Dr. W. B. Ehawe Memorial Prize and (2) Shri Doongesee A. Karia's Prize for securing highest total of marks at the II M.B.B.S. examination held in April 1967.
(10) Smt. S. L. Shevde and Smt. M. P. Meghchiani	Dr. H. A. Maniar's prize for securing highest total of marks in Forensic Medicine at the II M.B.B.S. examination held in April 1967.
(11) Smt. G. T. Rindani ...	Dr. Maneck Billimoria prize for securing highest marks in Path. at the II M.B.B.S. examination held in April 1967.
(12) Shri A. G. Kothari ...	Dr. L. H. Hiranandani entrance Scholarship for the year 1967.
(13) Smt. K. K. Deshmukh	Dr. D. V. Patel Scholarship for the year 1967.
(14) Shri P. B. Chhabria ...	Mrs. Jane Patrao Scholarship for the year 1967.
(15) Shri A. J. Chatvani ...	Dr. E. S. Shankar Narayan Iyer's prize for the year 1967.
(16) Shri R. M. Shetty ...	Dr. A. L. Nair Scholarship for the year 1967.

Library:

The working hours of the library are from 8-30 A.M. to 10-00 P.M. on working days and from 8-30 A.M. to 7-00 P.M. on Saturdays.

The total number of books added to the library was 1,063 as against 1,409 during the previous year. Out of these 333 were donated to the library.

The College subscribed to 202 periodicals as against 200 during the last year. 107 were presented to the library. In all the library had 309 periodicals as against 306 during the last year.

The departmental libraries continued to exist as before. Highly specialised books were added to these departmental libraries.

The number of books and periodicals issued on the premises to the undergraduates, postgraduates, the teaching staff of Hospital and College and to the postgraduates, and teachers who visited the library from other institutions was 93,684 as against 98,408 during the previous year, 2,529 books and periodicals were issued out of the Library to the teaching and the resident staff of the B. Y. L. Nair Hospital and the T. N. M. College, as against 3,142 during the last year. 34 bound volumes were borrowed from the various institutions participating in the inter loan scheme and 12 were loaned out to them.

6 Books were written off. 726 volumes of periodicals were added to the library.

The College library had at the end of the year 11,297 books as against 13,233 of the previous year and 5,191 bound volumes as against 4,465 of the previous year.

Naval Medical Unit :

The Naval Medical Unit of the National Cadet Corps continued its activities at the Maharashtra Naval Medical Unit at Haji Ali Park. But due to poor response of enrolment of Medical Students, the unit has wound up its activities.

Gymkhana and Other Activities :

National days were celebrated. The Annual College Day was celebrated on 21-1-1968 when Dr. Leon D'Souza, Mayor of Bombay was the Chief Guest.

Annual Cost and Revenue :

The total expenditure of the College amounted to Rs. 13,73,710 during the year ending report as against Rs. 12,93,397 during the previous year. The net revenue of the College by way of Tuition Fees, Miscellaneous receipts etc., amounted to Rs. 2,94,313.33 as against Rs. 2,74,681.24 for the previous year.

T. H. RINDANI,

Dean,

B. Y. L. Nair Charitable Hospital and
Topiwala National Medical College, Bombay 8.

APPENDIX No. 1

The number of beds in the hospital was 336. They were fully occupied during the year under report. They were distributed as under:—

Department	Male	Female	Children	Total
Medical	60	24	..	84
Surgical	62	18	..	80
Ophthalmic	10	6	2	18
Gynaec	..	20	..	20
Skin and V. D.	12	2	2	16
Aural	9	5	2	16
Orthopaedic	11	7	2	20
Obstetric	..	40	..	40
Paediatric	..	..	25	25
Tuberculosis	7	..	..	7
Dental	2	2	..	4
Others	4	2	..	6
Total	177	126	33	336

APPENDIX No. 2

Particulars of in-door and out-door patients treated during the year 1967 and 1966, Number of operations, etc.

Particulars.	FIGURES FOR	
	1967	1966
'A' In-patients		
(1) Scheduled strength of beds	336	336
(2) Daily average number of in-patients	490.88	488.84
(3) Total number of new in-patients treated	25,374	24,160
(4) Average number of days each patient was resident	7.06	7.38
'B' Out-patients		
(1) Total number of new out-patients	1,43,964	1,35,136
(2) Daily average number of new out-patients	472.01	437.33
(3) Total number of out-patients attendance (excluding Casualty cases)	3,25,443	3,31,209
(4) Daily average number of out-patients attendance	1,188.77	1,194.79
(5) Total number of Casualty patients	37,131	37,980
'C' Operations		
(1) Total number of Operations on in-patients	79,51	7,193
(2) Total number of Operations on out-patients	..	4,109

APPENDIX No. 3

Relative cost per In-patient and Out-patient per day during 1967-68 and Previous two years.

Particulars	1967-68	1966-67	1965-66
	Rs. P.	Rs. P.	Rs. P.
In-patient	17.62	15.93	13.73
Out-patient	2.46	1.51	1.11

APPENDIX No. 4

Statement showing the details of cost per In-patient per day for 1967-68 and previous two years.

Year	Diet	Drugs Dressing, etc.	Stores and Linen	Heating Lighting and repairs	Establishment	Total
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
1967-68	2.19	5.21	0.60	0.38	9.24	17.62
1966-67	1.89	3.93	0.50	0.28	9.33	15.93
1965-66	1.35	2.87	0.53	0.24	8.74	13.73

APPENDIX No. 5

Statement showing the Average Cost per Out-patient per day for 1967-68 and previous two years.

Year.	Drugs Dressing, etc.		Stores and Linen.		Heating Lighting & Repairs.		Establishment.		Total.	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
1967-68	...	0.83	0.09	0.54	1.00	...	2.46	...	...	...
1966-67	...	0.64	0.08	0.06	0.73	...	1.51	...	...	...
1965-66	...	0.50	0.06	0.06	0.49	...	1.11	...	...	...

APPENDIX No. 6

ACCIDENT CASES

The following table shows the number of accident cases treated during the year under report in comparison with that of the previous year.

Sex.	Treated in casualty Department.		Admitted through Casualty Department.			
	1967.	1966.	1967	1966		
Male	...	23,041	22,943	1,775	1,817	
Female	...	4,652	4,937	537	584	
Children	Male	...	6,581	7,094	537	504
	Female	...	2,857	3,006	272	262
Total	...	37,131	37,980	3,121	3,167	

APPENDIX No. 7

Summary of In-patients classified according to Department and Sex for the period from 1-1-1967 to 31-12-1967.

Department.	Sex.	In the Hospital on Mid-night of 31-12-66.	Admitted during 1967.	Total.	Discharged during 1967.	Deaths.	In the Hospital on Mid-night of 31-12-67.	
Medical	Male	101	4,137	4,238	3,755	376	107	
	Female	39	1,699	1,738	1,529	169	40	
	Total	140	5,836	5,976	5,284	545	147	
Surgical	Male	62	3,889	3,951	3,677	203	71	
	Female	21	1,109	1,130	1,036	67	27	
	Children—	Male	9	757	766	726	31	9
		Female	7	309	316	303	10	3
	Total	99	6,064	6,163	5,742	311	110	
Ophthalmic	Male	9	357	366	358	...	8	
	Female	3	184	187	181	2	4	
	Children—	Male	...	44	44	40	...	4
		Female	2	23	25	24	...	1
	Total	14	608	622	603	2	17	
Gynaecology	Female	17	993	1,010	985	6	19	
	Children—	Female	...	1	1	1	...	
	Total	17	994	1,011	986	6	19	
Skin and Venereal Diseases	Male	4	73	77	77	...	...
	Female	1	22	23	22	1	...	
	Children—	Male	...	9	9	9
		Female	...	3	3	3
	Total	5	107	112	111	1	...	

APPENDIX No. 7—Contd.

Department	Sex	In the Hospital on Mid-night of 31-12-66	Admitted during 1967	Total	Discharged during 1966	Deaths	In the Hospital on Mid-night of 31-12-67	
Aural	Male	7	732	739	724	6	9	
	Female	3	479	482	476	1	5	
	Children—	Male	3	330	333	333	...	...
		Female	2	425	427	423	1	3
	Total	...	15	1,966	1,981	1,956	8	17
Orthopedic	Male	16	678	694	600	7	27	
	Female	16	278	294	277	4	13	
	Children—	Male	4	212	216	203	1	12
		Female	2	111	113	111	...	2
	Total	...	38	1,279	1,317	1,251	12	54
Paediatric	Male	33	1,706	1,739	14,54	269	16	
	Female	19	1,196	1,215	1,021	180	14	
	Total	...	52	2,902	2,954	2,475	449	30
Maternity	Female	58	4,505	4,563	4,500	12	51	
	Total	...	58	4,505	4,563	4,500	12	51
T.B.	Male	8	237	245	206	30	9	
	Female	...	3	3	3	...	...
	Total	...	8	240	248	209	30	9
Dental	Male	1	18	19	18	...	1	
	Female	...	7	7	6	...	1	
	Children—	Male	...	6	6	6	...	...
		Female	...	5	5	5	...	...
	Total	...	1	36	37	35	...	2
Cardiology	Male	1	51	52	45	6	1	
	Female	4	43	47	44	3	...	
	Children—	Male	1	9	10	3	5	2
		Female	...	5	5	4	1	...
	Total	...	6	108	114	96	15	3
Gastro-Enterology	Male	3	192	195	192	3	...	
	Female	...	60	60	59	...	1	
	Children—	Male	...	...	...	...	...	...
		Female	...	...	...	...	...	...
	Total	...	3	252	255	251	3	1
Psychiatric	Male	...	...	...	...	...	...
	Female	...	...	...	...	...	...
	Children—	Male	...	...	...	...	...	...
		Female	...	...	...	...	...	...
	Total	...	...	...	...	...	...
Rheumatic and Collegan Disease	Male	...	13	13	13	...	...
	Female	...	10	10	10	...	...
	Children—	Male	...	1	1	1	...	...
		Female	...	...	...	...	...	...
	Total	...	...	24	24	24	...	...

APPENDIX No. 7—Contd.

Department	Sex	In the Hospital on Mid-night of 31-12-66	Admitted during 1967	Total	Discharged during 1967	Deaths	In the Hospital on Mid-night of 31-12-67
Endocrinology	Male	...	...	...	...	...	...
	Female	...	...	...	...	...	...
	Children	Male	...	...	...	...	...
	Female	...	...	...	...	...	...
Total		...	...	...	...	...	...
Neuro-logy	Male	...	29	29	23	2	4
	Female	...	6	7	7	...	...
	Children	Male	...	...	...	...	...
	Female	...	1	1	1	...	...
Total		1	36	37	31	2	4
Neuro-surgery	Male	...	35	35	33	2	...
	Female	...	12	12	11	1	...
	Children	Male	...	7	7	6	1
	Female	...	3	3	3	...	...
Total		...	57	57	53	4	...
Plastic Surgery	Male	...	7	7	7	...	...
	Female	...	1	1	1	...	...
	Children	Male	...	4	4	4	...
	Female	...	4	4	4	...	...
Total		...	16	16	16	...	...
Gastro Enterology Surgical Service	Male	...	204	204	204	...	...
	Female	...	46	46	46	...	...
	Children	Male	...	6	6	6	...
	Female	...	...	...	...	...	...
Total		...	256	256	256	...	...
Thoracic-Surgery	Male	...	11	11	10	1	...
	Female	...	1	1	1	...	...
	Children	Male	...	...	...	...	...
	Female	...	...	...	...	...	...
Total		...	12	12	11	1	...
Genito-Urinary Surgical Service	Male	...	65	65	65	...	...
	Female	...	6	6	6	...	...
	Children	Male	...	4	4	4	...
	Female	...	1	1	1	...	...
Total		...	76	76	76	...	...
Grand Total		457	25,374	25,831	23,966	1,401	464

APPENDIX No. 8

Summary of out-patients classified according to Departments and sex for the year 1967

Department	Sex	O. P. D. New cases	Casualty cases	O. P. D. Old cases	Total Attendance
Medical	Male	23,069	427	29,107	52,603
	Female	10,978	182	14,065	25,225
	Total	34,047	609	43,172	77,828
Surgical	Male	11,875	19,745	34,074	65,694
	Female	3,488	4,029	7,829	15,346
	Children	Male	2,193	5,901	6,466	14,560
	Female	1,233	2,543	3,094	6,870
Total		18,789	32,218	51,463	1,02,470

APPENDIX No. 8—Contd.

Department	Sex	O. P. D. New cases	Casualty cases	O. P. D. Old cases	Total Attendance			
Ophthalmic	...	Male	...	4,691	1,235	5,213	11,139	
	...	Female	...	2,057	48	2,160	4,265	
	Children	...	Male	...	469	46	873	1,388
		...	Female	...	359	18	584	961
	Total	...	...	7,576	1,347	8,830	17,753
Gynaecology	...	Female	...	3,609	6	8,940	12,555	
	Children	Female	...	...	1	...	1
	Total	...	...	3,609	7	8,940	12,556
Skin and Venereal Diseases	...	Male	...	5,753	10	5,687	11,450	
	...	Female	...	2,208	2	2,254	4,464	
	Children	...	Male	...	1,304	2	1,219	2,525
		...	Female	...	1,047	1	799	1,847
	Total	...	...	10,312	15	9,959	20,286
Aural	...	Male	...	4,328	90	5,005	9,423	
	...	Female	...	4,468	15	3,122	5,605	
	Children	...	Male	...	1,453	43	1,816	3,312
		...	Female	...	1,206	30	1,294	2,530
	Total	...	...	9,455	178	11,237	20,870
Orthopedic	...	Male	...	2,378	1,532	7,801	11,711	
	...	Female	...	122	324	2,363	3,907	
	Children	...	Male	...	458	469	1,542	2,509
		...	Female	...	306	195	850	1,351
	Total	...	...	4,362	2,520	12,596	19,478
Paediatric	...	Male	...	6,917	120	10,173	17,210	
	...	Female	...	5,110	69	8,366	13,545	
	Total	...	...	12,027	189	18,539	30,755
Ante-Natal	...	Female	...	3,522	46	8,331	11,899	
	Total	...	...	3,522	46	8,331	11,899
Post-Natal	...	Female	...	502	...	3,585	4,087	
	Total	...	...	502	...	3,585	4,087
T.B.	...	Male	...	368	2	930	1,300	
	...	Female	...	103	...	227	330	
	Total	...	...	471	2	1,157	1,630
Psychiatric	...	Male	...	486	..	448	934	
	...	Female	...	331	..	139	470	
	Children	...	Male	...	21	21
		...	Female	...	15	..	2	17
	Total	...	...	853	..	589	1,442
Cardiology	...	Male	...	319	..	607	926	
	...	Female	...	128	..	199	327	
	Children	...	Male	...	42	..	29	71
		...	Female	...	23	..	11	34
	Total	...	...	512	..	846	1,358
Gastro-Enterology	...	Male	...	133	..	704	837	
	...	Female	...	39	..	173	212	
	Children	...	Male	...	2	2
		...	Female	...	4	..	1	5
	Total	...	...	178	..	878	1,056

APPENDIX No. 8—Contd.

Department	Sex	O.P.D. New cases	Casualty Cases	O.P.D. Old Cases	Total Attendance	
Dental	...	...	...	...	...
	Children	Male	...	...	...
		Female	...	...	...
	Total	...	...	...	..
Genito Urinary Surgical Service	...	95	...	97	192	
	Children	Male	3	...	16	19
		Female	1	1
	Total	99	...	113	212	
Preventive and Social Medicine	...	4	...	281	285	
	Children	Male	16	...	1,575	1,591
		Female	5	...	1,057	1,062
	Total	34	...	3,829	3,863	
Rheumatic and Collagen Diseases...	...	61	...	189	250	
	Children	Male	90	...	43	133
		Female	1	1
	Total	153	...	232	385	
Neuro-Surgery	...	53	...	374	427	
	Children	Male	32	...	96	128
		Female	11	...	26	37
	Total	98	...	506	604	
Neuro-logy	...	48	...	281	329	
	Children	Male	21	...	148	169
		Female	4	...	23	27
	Total	76	...	458	534	
Plastic Surgery	...	6	...	38	44	
	Children	Male	1	...	6	7
		Female	3	...	2	5
	Total	10	...	46	56	
Gastro Enterology Surgical Service	...	96	...	1	97	
	Children	Male	16	...	19	35
		Female
	Total	112	...	20	132	
Thoracic Surgery	...	23	...	...	23
	Children	Male	11	...	2	13
		Female	2	2
	Total	36	...	2	38	
Physiotherapy	...	...	...	22,724	22,724
	Children	Male	5,346	5,346
		Female	3,108	3,108
	Total	...	...	2,104	2,104
Total	...	...	33,282	33,282	
Grand Total	...	1,06,833	37,131	2,18,610	3,62,574	

APPENDIX No. 9.

TOPIWALA NATIONAL MEDICAL COLLEGE

Number of students as on 31st March 1968 :-

Class			Male	Female	Total
III M.B.B.S.	...	III Term	18	15	33
Do.	...	II Term	33	72	105
Do.	...	I Term	21	5	26
II M.B.B.S.	...	III Term	25	43	68
Do.	...	II Term	35	31	66
Do.	...	I Term	48	51	99
I M.B.B.S.	...	II Term	79	62	141
III M.B.B.S.	...	Casuals	23	13	36
Do.	...	Cond. Casuals	1	1	2
II M.B.B.S.	...	Cond. Casual	1	...	1
I M.B.B.S.	...	Casuals	38	26	64
I M.B.B.S.	...	Cond. Casuals	1	1	2
Total			323	320	643

Dr. Bhajekar (Surgical) Hospital

This hospital with a scheduled bed strength of 45 is attached to the B. Y. L. Nair Charitable Hospital and is under the overall administrative control of the Dean, B. Y. L. Nair Charitable Hospital.

Patients attending Nair Hospital and needing surgical operations, such as Hydrocoele, Hernia, Piles, etc., are admitted and operated at Dr. Bhajekar Hospital. An out-patient Department also functions on Saturday at Dr. Bhajekar Hospital and patients are admitted. Out of 45 beds, 11 beds are reserved for orthopedic case.

Orthopedic patients from Nair Hospital and needing routine treatment are transferred to Dr. Bhajekar Hospital, to reduce overcrowding in orthopedic wards and admit new cases requiring active and urgent treatment.

The Honorary Surgeons from the Nair Hospital attend to the patients at Dr. Bhajekar Hospital, in Rotation A. M. O. at the Nair Hospital looks after the general working of the Dr. Bhajekar Hospital under the overall supervision and control of the Dean.

During the year, 525 new cases were examined at O. P. D. 1,265 patients were admitted for indoor treatment out of which 1,220 were on surgical and 45 were on orthopedic side. Total number of operations performed was 1896.

The expenditure of the hospital for the year 1967 amounted to Rs. 67,482.

A scheme for conversion of this hospital into a Burns and Plastic Surgery Hospital, with a bed strength of 40 is under active consideration.

T. H. RINDANI,
Dean,
B. Y. L. Nair Charitable Hospital

THE NAIR HOSPITAL DENTAL COLLEGE

The College conducts four years' Course in Dentistry leading to the Degree of the Bombay University. The College also conducts Post-graduate Courses in 7 subjects since June 1959.

This College is recognised as Training Centre in India to train candidates for L.D.S., R.C.S. (Eng). Examination and Fellowship in Dentistry Examination of the Royal College of Surgeons, England and Edinburgh.

The admission standard for student is Intermediate Science Examination of the Bombay University or an examination equivalent to it and the course extends for four years.

During the year under report 49 students including 8 ladies have passed the Final B.D.S. and M.D.S. Examinations.

The following are the principal departments of the College :—

1. Examination and Treatment Planning Department.
2. Exodontia Department.
3. Operative Department.
4. Prosthetic Department.
5. Orthodontia Department.
6. Periodontia Department.
7. Pedodontia Department.
8. Dental Pathology.
9. Dental Radiology.
10. Maxillo-Facial and Plastic Surgery Department.

The College has an academic Council to look after the academic affairs of the College.

The College has 127 Dental Chairs, 100 Dental Units, 3 Dental X-Ray Machines and other equipments, to give Dental Treatment on most modern lines.

Students Gymkhana

The College has provided all facilities for indoor and outdoor sports.

During the year under report, Prof. John Boyes, Dean and Director of Dental Studies, University of Edinburgh, Scotland, was invited as Guest Teacher by Dental Council of India to give lectures to the M.D.S. Students.

Resume of work done in the Clinics

The total number of patients treated during the year under report was 88711 (both in the morning and evening Clinics) which included 40952 Males, 22524 Females and 25235 Children. Details of work done, operations performed, etc., are given in Appendix 'A' and 'B'.

During the year under report a total revenue of Rs. 1,79,618.71 was collected by way of fees from students and patients as against Rs. 1,84,791.00 during the preceding year. The total expenditure incurred came to be Rs. 7,57,395.00 as against Rs. 6,05,178.00 during the preceding year.

Poor Box Fund

During the year under report 873 sets of the upper and lower Artificial Teeth, 385 Partial Sets of Teeth, and 127 Repairs of Sets of Teeth were given free to Poor deserving patients from the Fund. The total amount in the Fund was Rs. 38,570.39 at the close of the year.

6045 Municipal School Children were treated in the Clinics during the year.

M. S. N. GINWALLA
L. D. Sc., D. D. S.,
M. Sc., F.I.A.O.S.
Dean,
N.H.D.C.

APPENDIX 'A'

Full Denture Sets. ...	...	...	...	...	...	1,416
Partial Sets	...	...	...	...	...	582
Repairs of Sets	...	...	...	...	...	279
Obturator, Cleft Palate	...	...	...	...	...	80
Gold Bridge and Inlays	...	...	...	...	...	19
Silver Fillings	...	...	...	...	...	3,375
Porcelain Fillings.	...	...	...	...	...	122
Prophylaxis and pyorrhoea Treatment	...	...	...	...	...	9,540
Extractions under Local Anaesthesia	...	...	...	...	...	32,007
Surgical Extraction of Roots	...	...	...	...	...	1,261
Extractions under General Anaesthesia	...	...	...	...	...	727
Abscess Treatment	...	...	...	...	...	50
Surgical Removal Impacted Teeth	...	...	...	...	...	20
Orthodontia Appliances for Correction of teeth of children	...	...	...	...	...	2,044
Root Canal Treatment	...	...	...	...	...	532
Jacket Crowns	...	...	...	...	...	25
Alevectomy	...	...	...	...	...	76
Apicectomy	...	...	...	...	...	47
Gingivectomy	...	...	...	...	...	45

APPENDIX 'B'

Maxillo Facial and Plastic Surgery Department:—

List of Operations done

Sr. No.	Description	Nos.
1	Impactions	139
2	Biopsy	16
3	Oro antral fistula	5
4	Cysts	33
5	Fractures	53
6	Caldwell-Luc	5
7	Benign Tumours	17
8	Plastic & Reconstructive Surgery	16
9	Alveolectomies	11
10	Har lip	3
11	Skin Graft	1
12	Subluxation (T. M. Joint)	1
13	Suturing of Wounds	1
14	Alveolar Abscess	21
15	Osteotomies	2
16	Maxillectomy	0
17	Apicectomy	6
18	Osteoarthrotomy & arthroplasty	0
19	Bone graft	2
20	Hemi, Mandibulectomy	1
31	Condylotomy	5
	Total	338
Operations under L. A.		303
Operations under G. A.		35
Total		338

**Lokmanya Tilak Municipal General Hospital and
Annapurnabai Deshmukh Hospital for Women
& Lokmanya Tilak Municipal Medical College
Sion, Bombay 22
ADMINISTRATION REPORT
1967-68**

The Lokmanya Tilak Municipal General Hospital, Sion, has completed 20 years of its existence in the year 1967-68. A short report of the Staff, Departments and the work done in the Departments during the year under report, in this Institution, is given below :—

Administrative Staff.—Dr. V. N. Panse, M.D., M.P.H. (Columbia), Professor of Preventive & Social Medicine, Lokmanya Tilak Municipal Medical College, Sion, continued to look after the duties of the Dean, of the Lokmanya Tilak Municipal General Hospital and Lokmanya Tilak Municipal Medical College, Sion, during this year also, in addition to his own.

Dr. (Smt.) A.S. Punde, M.D. (Bombay) held the post of Superintendent, of the Lokmanya Tilak Municipal General Hospital, Sion, during the year under report.

Lokmanya Tilak Municipal Medical College, Sion.—The Lokmanya Tilak Municipal Medical College which started in November 1964 has got the strength of 264 students as under—

1st M.B.B.S.	...	...	119 Students
2nd M.B.B.S.	...	...	112 Students
3rd M.B.B.S.	...	...	33 Students.

The first batch of students admitted in November 1964 has entered the phase of first term of the Final year. From November 1967, the following departments of Lokmanya Tilak Municipal General Hospital are recognised for Clinical Training to undergraduate students.

- (1) Paediatrics
- (2) Orthopaedics
- (3) Ophthalmology
- (4) E. N. T.
- (5) Anaesthesiology
- (6) Radiology

Now a full-fledged programme of Ward work is conducted in Medicine, Surgery, Obstetrics including the specialised departments recently recognised.

Para-clinical departments *viz.*, Pharmacology, Pathology, Preventive & Social Medicine Department and Jurisprudence which started from June 1966 have imparted training for 2nd M.B.B.S. students. 30 students had appeared for 2nd M.B.B.S. Examination in October 1967 out of which 24 passed and 52 had appeared for the 1st M.B.B.S. Examination out of which 33 passed.

New Departments.—The following additional departments have been started at the Hospital from the dates shown against them :—

Serial No.	Name of the Department	Date of Starting.
1	Two Additional Medical Units	17-4-1967
2	Two Additional Surgical Units	17-4-1967
3	Emergency Paediatric Department (From 4.00 p.m. to 9.00 p.m.)	1-6-1967
4	Oral Polio Vaccination Centre	16-11-1967

Indoor Patients.—The number of Schedule beds in the Hospital is 475 and the distribution of beds according to the departments is shown in Appendix No. 2. The total number of patients admitted for Indoor treatment during the year under report was 37,381 as against 36,866; 35,958 and 37,343 during the preceding 3 years respectively.

The departmentwise distribution of Indoor patients admitted during the year 1967 viz., 37,381 plus 737 patients of the previous year remaining as on 31-12-1966 is given below along with the respective figures of the previous year.

Serial No.	Name of the Department	Patients treated in	
		1967	1966
1	Medical	8,720	9,079
2	Surgical	7,791	6,543
3	E. N. T.	1,831	1,873
4	Ophthalmic	749	764
5	Skin	48	51
6	Dental	6	6
7	Paediatric	6,230	7,061
8	Psychiatric	60	60
9	Orthopaedic	1,423	1,301
10	Gynaec	1,948	2,220
11	Obstetrics	8,575	7,908
	Remaining on 31-12-66	737	Remaining on 31-12-65 732
		38,118	37,598

The Statement giving the results of the treatments is as follows:—

Hospital	Cured	Relieved	Other-wise	Delivered	Left before delivery	Expired	Remaining on 31-12-67
L.T.M.G. Hospital	2,165	21,402	475	...	...	2,781	642
Annapurnabai Deshmukh Hospital for Women	312	2,036	187	6,387	1,546	41	144
TOTAL	2,477	23,438	662	6,387	1,546	2,822	786

In addition to the 2,822 deaths among the adults, there were 602 deaths due to Prematurity, Still-birth, and other causes of pre-natal and neo-natal mortality. The classification of deaths according to their time of admission is given below:—

Within 24 hours of admission	After 24 hours of admission; but within 3 days	After 3 days of admission	Total Deaths
1411	395	1016	2822

Out-Patients.—Total number of patients treated in Out-patient Department during the year under report was 5,83,870 as against 6,85,399; 6,87,823 and 7,47,993 during the preceding 3 years.

The highest in-patients and out-patients attendance on a single day was 962 and 2,714 respectively.

Paying Patients.—The scheme was given effect from 1st September 1951. Rs. 12 and Rs. 6 per patient per day are being charged for special rooms and general paying ward respectively. The number of patients admitted under the scheme during the last 3 years was as under:—

	1965	1966	1967
(1) General Paying Ward and Special Rooms	1,372	1,376	1,335
(2) No. of Operations performed on paying Patients—			
(a) Major	245	236	294
(b) Minor	213	248	290

Casualty Department.—30,709 accidents and other emergency cases were treated in the Casualty Department during the year under report.

Minor Surgery Department.—8,935 Minor operations were performed in the Minor Surgery department during 1967-68.

Pathology Department.—1,62,873 investigations were carried out in the Department of Pathology and Bacteriology in the year 1957-68. In addition to these, 917 investigations were carried out for patients from K. B. Bhabha Hospital, Bandra. 976 autopsies were performed during the year under report.

Anaesthesia Department.—During the year 1967-68 the total number of patients who received anaesthesia in various theatres and Minor Surgery Department of the Hospital was 9681.

Electro-Cardiography Department.—During the year 1967-68, Electro-cardiography tracings were taken on 3,437 patients.

Health Check-Up Centre.—During the year under report 435, persons took advantage of the Health Check up Centre. The Centre works from 6-00 p.m. to 7-30 p.m. on week days and from 2 (A) p.m. to 3 (30) p.m. on Saturdays. It is closed on Public Holidays and Sundays. The health of persons in apparent good health is checked up and all routine examinations such as Blood, Urine, Stools, Screening etc., are carried out on payment of Rs. 10. A card showing the results of the various investigations is given to the person. Special investigations such as X-Ray etc., are carried out, if required.

X-Ray Department.—The work done in the X-Ray Department during the last 3 years is shown in the Table below :—

Particulars	YEARS		
	1965	1966	1967
X-Ray (No. of Patients)	16,237	20,565	25,575
Screening	27,878	30,596	35,732
Barium Meals & Enemas	844	1,579	873
Special Investigations	668	765	856
Cerebral Angiography	57	14	2
Aortography	22	18	14
Bronchography	83	34	32
Other Miscellaneous Investigations	491	709	808
Deep X Ray	---	---	12

Dental Department.—25,157 patients were treated in the Dental Department during the year for various tooth troubles.

Blood Bank.—The total number of Blood samples collected including those from voluntary donors was 5,248. The number of blood samples supplied for transfusion during the year was 5,207.

Physiotherapy and Occupational Therapy Departments.—The work done in these centres during 1967-68 is shown below :—

Serial No.	Department.	No. of Patients	Visits
1	Physiotherapy Department	27,333	61,646
2	Occupational Therapy Department	5,146	44,337

Family Planning Centre.—A family planning centre is also run here for the benefit of the patients attending the Hospital. The work done in this Centre during the year under report is given in the following statement :—

(1) No. of Vasectomy Operations performed	54
(2) No. of Sterilization Operations performed	400
(3) No. of loops inserted	36

School Clinic Department.—The School Clinic Department started from 8th July 1965 at this Hospital has treated 3125 New and 6502 Old cases, from 254 different Municipal Schools from the Suburbs during the year under report. 126 Tonsil Operations and 9 other Operations were performed on School children. Spectacles have been given to 79 children. Medicines worth Rs. 79,014 were supplied to the children during the year.

Medico-Social Service Department.—The work done by the Medico-Social Service Department during the year is given below :—

(1) Cases where Medical help was given free of charge	3,042
(2) Long term tuberculosis cases handled	319
(3) Rehabilitation of Physically handicapped	322
(4) Cases interviewed and followed up for Social History	204
(5) Cases referred for spectacles donated by Lions Club	55

Medico-Legal Cases.—During the year 1967, the Resident Medical Officers attended the following courts for giving evidences in Medico-legal Cases.

(1) Presidency Magistrates Courts in Bombay	504
(2) Sessions Court	33
(3) Coroner's Court	7
(4) Thana Court	4
(5) Kalyan Court	1
(6) Emward Court	1
(7) Sanqi Court	1

Ambulance Service.—As the Casualty and Out-patient Departments have been shifted to the old barracks a round the clock Ambulance Service is maintained for reaching the admitted patients to the various Wards.

Flying Maternity Squad.—The Flying Maternity Squad donated by the Indian Red Cross Society, Bombay City Branch is doing very valuable work of attending lady patients, when they are in difficulties of deliveries.

The service is kept alert round the clock. One Registrar and one Staff Nurse is attached to the Squad. Whenever a Medical practitioner in the City or Suburbs, finds that a Maternity case needs immediate special attention, such as supply of Oxygen, Blood Transfusion or Hospitalization, a call can be made to 471,257 and the Flying Maternity Squad reaches there within the minimum time and provides the necessary assistance.

During the year under report the Squad has attended 68 calls.

Dispensary.—The Dispensary work carried out in the dispensary of the Hospital during the year under report was as follows:—

(1) Out-patients	...	3,38,994
(2) In patients	...	14,614
(3) Special Prescriptions		1,608

Nurses Training School.—During the year 1967-68, 51 student Nurses were admitted for training in General Nursing and 38 for Midwifery. 29 student Nurses were sent for General Nursing Examination and 37 for Midwifery examination; out of which 23 and 31 have respectively passed.

Four Nurses were sent to Refresher Courses ranging from 3 weeks to 6 months out of which one was observation tour in U.S.A. and the rest in India.

Library.—The Library was improved during the year by addition of 756 books bringing the total number of books to 4,865. 225 Journals were subscribed to, during the year under report. 2120 books were issued to the teaching members of the staff for home reading, while 54,805 issues were made on the premises. Rupees 61,000 approximately have been spent over books and Journals during the year.

Recognition of the Lokmanya Tilak Municipal General Hospital.—The hospital is affiliated to the University of Bombay for under graduate and post-graduate studies. The hospital continued to be attached to the Topiwala National Medical College for Clinical Instructions to under-graduate students, in addition to training its own students from Lokmanya Tilak Municipal Medical College.

The hospital is also affiliated to the College of Physicians and Surgeons of Bombay, for its post-graduate studies.

Poor Box Charity Fund.—The amount in the Poor Box Charity Fund as on 31st March 1967 stood at Rs. 1,10,452.20. Collection from boxes, donations, sale of drugs and injections and other miscellaneous receipts during the year amounted to Rs. 1,02,919.54 and expenditure through the Poor Box Charity Fund amounted to Rs. 1,00,590.68. The total amount in the Poor Box Charity Fund as on 31st March 1968 stood at Rs. 1,12,781.06.

Certificates.—13,991 Certificates of different types were issued from this Hospital to various patients, during the year under report.

The Gift Shop.—A Gift Shop for the benefit of the patients has been started near the Casualty and near the Wards of this Hospital which has been considered as one of the activities of the Poor Box Charity Fund and the proceeds realised therefrom are utilized for the benefit of the Poor Patients attending the Hospital. During the year 1967-68 medicines worth Rs. 14,470.62 were sold from the Gift Shop.

Expenditure.—The approximate expenditure of the hospital for the year 1967-68 was Rs. 68,49,925.30. The details of the expenditure per patient per day as compared with the years 1965-66, 1966-67 is given below:—

Expenditure on per Out-Patient per day

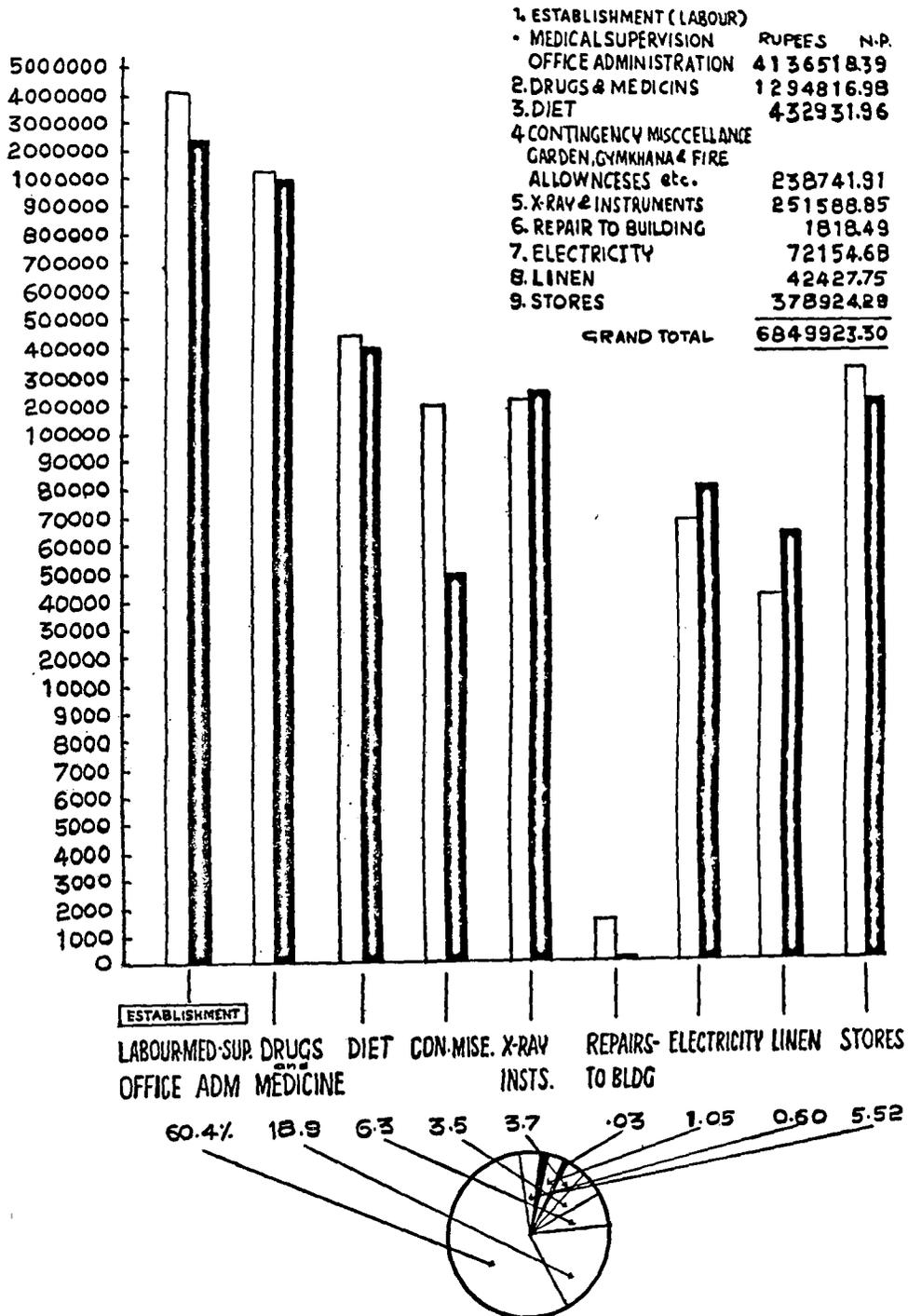
Year	Medicines Drugs and Equipment	Stores and Linen	Heating and Lighting	Miscel- laneous	Repairs to Buildings	Establish- ment	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1965-66	0.64	0.12	0.10	0.33	0.04	1.35	2.58
1966-67	0.82	0.18	0.05	0.28	...	1.38	2.71
1967-68	0.90	0.25	0.04	0.13	0.01	2.41	3.74

Expenditure on per In-patient per day

Year	Diet	Medicines Drugs and Equipment	Stores and Linen	Heating and Lighting	Miscell- aneous	Repairs to Buildings	Establish- ment	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1965-66	1.54	3.84	1.44	0.60	1.98	0.48	8.10	17.98
1966-67	1.48	4.92	2.16	0.30	1.68	...	8.28	18.82
1967-68	1.44	4.50	1.25	0.20	0.65	0.05	12.05	20.14

V. N. PANSE,
for Dean
L. T. M. G. Hospital, Sion.

ALLOCATION OF GRANTS FOR THE YEAR 1967-68



Year	patients o.p.d.	treated in patients	operation performed	deliveries
1966	685399	36866	21414	6021
1967	583870	37381	23310	6387

APPENDIX No. 1

Distribution of Beds according to Departments:—

Department	Male	Female	Children	Total
(A) Non-Paying Beds :				
Medical	63	50	—	113
Surgical	56	26	9	91
Orthopaedic	15	5	3	23
Gynaec and Obstetric	—	90	—	90
Ear, Nose and Throat	12	4	8	24
Ophthalmic	12	8	4	24
Skin	2	—	—	2
Paediatric	—	—	48	48
Total	160	183	72	415
(B) Paying Beds :				
Medical	12	6	—	18
Surgical	13	6	—	19
Gynaec and Obstetric	—	13	—	13
Total	25	25	—	50
(C) Beds Reserved for B.E.S.T. Undertaking Staff :				
Medical	5	—	—	5
Surgical	5	—	—	5
Total	10	—	—	10
Grand Total	195	208	72	475

APPENDIX No. 2

Summary of In-patients, Out-patients and Operations.

(A) In-Patients :				
(1) Strength of Beds	—	—	—	475
(2) Daily average No. of In-patients	—	—	—	822.9
(3) Daily average No. of Admissions	—	—	—	102.04
(4) Total No. of Indoor Admissions	—	—	—	37,381
(5) Average No. of days each patient was resident	—	—	—	8.00
(B) Out-Patients :				
(1) Total No. of New O.P.D. Patients	—	—	—	1,87,782
(2) Daily Average No. of new patients	—	—	—	617.07
(3) Total No. of old Out-patients	—	—	—	3,96,088
(4) Daily Average No. of old Out-patients	—	—	—	1,302.09
(5) Total No. of New and Old Out-patients	—	—	—	5,83,870
(6) Daily Average No. of New and Old Out-patients	—	—	—	1,920.06
(C) Operations :				
(1) Total No. of operations performed on In-patients	—	—	—	14,375
(2) Total No. of operations performed on out-patients	—	—	—	8,935

GROUP OF T. B. HOSPITALS, SEWRI

Administration Report for the year 1967-68

Dr. S. A. Shah, M.A., D.M.R.E., D.P.H., T.D.D., F.C.C.P., held the post of the Medical Superintendent throughout the year.

The total number of beds for Pulmonary Tuberculosis cases at the disposal of the Bombay Municipal Corporation (Tuberculosis Services) was 1,288 as detailed below:—

Name of the Institution	Male	Female	Children	Total
(1) Group of T. B. Hospitals—				
(a) Medical	367	240	35	642
(b) Surgical	96	62	...	158
	463	302	35	800
(2) Isolation Centre attached to Ramkunwar Daftary T. B. Clinic	44	44	...	88
(3) Sarvodaya Hospital Ghatkopar	250	150	...	400
Total	757	496	35	1,288

GROUP OF T. B. HOSPITALS, SEWRI

The total number of patients examined at the Registration Centre of the Group of T. B. Hospitals and put on waiting list during the year was 11,691.

The total number of patients in the various stages of Pulmonary Tuberculosis treated during the year was 6,927, out of these 5,717 discharged as improved, 145 discharged as Non-Tuberculous cases, 453 left against medical advice, 612 died and 742 remained under treatment at the close of the year. Mortality figures revealed the high incidence in the age group of 26-30. Ratio of death percentage of total treated was 8.9. Major lung operations were performed during the year is 340 cases.

FOLLOW UP OF DISCHARGED CASES

The total number of patients who attended the Group of T. B. Hospitals for Follow up examinations after discharge from the hospital was 2,268 during the year.

P. P. REFILL WORK

443 P. P. Refills were given in the wards to the indoor patients of Group of T. B. Hospitals. Discharged patients on P. P. Refill treatment continued subsequent P. P. Refills at the Group of T. B. Hospitals. 980 P. P. Refills were given.

TEACHING

Clinical teaching in tuberculosis was given to batches of undergraduate medical students of Seth G. S. Medical College and to the post-graduate D. P. H. Students of Bombay University as in previous years. Lectures were also delivered in Medical, Surgical and Preventive aspects of Tuberculosis to the students of Bombay Homeopathic College by the Medical Staff of this institution.

Group of T. B. Hospitals and the four T. B. Clinics continued to be recognised for diploma course in Tuberculosis, *i. e.* T. D. D. by the College of Physicians & Surgeons, Bombay as well as for the degree course *i. e.* M. D. (Tuberculosis) by the University of Bombay.

RESEARCH WORK

During the year Group of T. B. Hospitals participated in the Second Thiacetazone Side-Effect co-operative investigation sponsored collectively by the World Health Organization, Medical Research Council of Great Britain and Indian Medical Research Council.

RAMKUNWAR DAFTARY T. B. ISOLATION CENTRE, DADAR

Advanced infectious tuberculosis patients are admitted to this centre primarily from the view-point of segregation from the surrounding areas and symptomatic treatment. The total number of patients treated during the year was 405; of these 172 were discharged as improved, 42 as not improved, 125 left against medical advice and 66 died.

MUNICIPAL T. B. CLINICS

Four T. B. Clinics, *viz.* at Princess Street, Foras Road, Dadar and Khar continued to serve as diagnostic centres for Pulmonary Tuberculosis patients and treatment centres with specific anti-tuberculosis drugs. They also serve as out-patient centres for admission at the Group of T. B. Hospitals, Sewri or Sarvodaya Hospital Ghatkopar (on Municipal beds). Health visiting is also performed through the T. B. Clinics. The total number of health visits during the year was 6,746. Total 122 P. P. refills were given at four T. B. Clinics.

Total number of out-patients attended and treated at the T. B. Clinics during the year was as below: —

Name of T. B. Clinic	Total No. of patients attended.	T. B. Cases.	Non-T. B. cases.
(1) R. D. T. B. Clinic, Dadar	14,724	8,174	6,550
(2) Princess Street T. B. Clinic	17,963	3,076	14,887
(3) Foras Road T. B. Clinic.	8,200	3,520	4,680
(4) Khar T. B. Clinic.	11,989	2,952	9,037

EXPENDITURE

The average expenditure per patient per day at the G. T. B. Hospitals was Rs. 13.22. The expenditure on diet per patient per day was Rs. 3.14. The total annual expenditure on the Group of T. B. Hospitals amounted to Rs. 36,044,92 as against Rs. 33,36,389 during the previous year.

The rate of charges for the patient hospitalised at Sarvodaya Hospital, Ghatkopar, on behalf of the Bombay Municipal Corporation was Rs. 8.50 per patient per day with effect from 1st April 1957 and Rs. 2 per day vacant bed. The expenditure incurred on the patients accommodated on the reserved beds at the said hospital was Rs. 10,43,880 as against Rs. 9,26,227 for the previous year. The total expenditure on the four T. B. Clinics attached to the Group of T. B. Hospitals, Sewri, was Rs. 7,30,027. Thus the total expenditure incurred by the Corporation on Tuberculosis Services was Rs. 53,78,399.

Poor Box collection including fees for issue of Medical certificates was Rs. 18,351. This collection is utilised for the benefit of the poor and needy patients and incidental expenses in consequence.

S. A. SHAH,
*Medical Superintendent,
 Group of T. B. Hospitals.*

LEGAL DEPARTMENT

During the year under report, Shri A. M. Desai, M.A., LL.B., Solicitor to the Corporation, was in charge of the Legal Department.

This department attended to the following works:—

- (1) Suits and other proceedings in the High Court, City Civil Court and Small Causes and other Courts.
- (2) Appeals against the rateable value in the Small Causes Court.
- (3) Prosecutions under the Municipal Act and other cases in the Police Courts.
- (4) References from various departments on the questions of law.
- (5) All conveyancing matters including sales, Leases, Agreements, etc.
- (6) Amendments of the Municipal Act, Rules and Bye-laws.

During the year under report 27,904 files were registered in the In-Ward Registers of the Legal Department. This includes files received from various departments, letters received from outside parties and letters addressed to outside parties or their Legal Advisors. Opinions on different departmental matters and advices on 292 documents were given.

The Department attended to the following matters in different Courts:—

<i>I.—Supreme Court matters</i>	...	...	...	...	8
<i>II.—High Court—</i>					
(1) First Appeals	...	...	...	...	301
(2) Second Appeals	...	...	...	...	12
(3) Appeals from orders	...	...	...	...	128
(4) Letters Patent Appeals	...	...	...	...	2
(5) Civil Revision Applications	...	...	...	...	3
(6) Special Civil Applications	...	...	...	...	7
(7) Civil Applications	...	...	...	...	98
(8) Long Causes Suits	...	...	...	...	17
(9) Appeals before Division Bench	...	...	...	...	9
(10) Insolvency matters	...	...	...	...	21
(11) Company Petitions	...	...	...	...	3
(12) Writ Petitions	...	...	...	...	89
(13) Criminal Revision Applications, Criminal Appeals and— References	...	...	...	...	385
<i>III.—City Civil Court—</i>					
(1) Suits	...	...	...	...	1,616
(2) Miscellaneous Appeals	...	...	...	...	18
<i>IV.—Small Causes Court—</i>					
(1) Suits	...	...	...	...	162
(2) Assessment Appeals	...	...	...	...	488
(3) Garnishi Notices	...	...	...	...	40
(4) Municipal References	...	...	...	...	66
(5) Licence and Octroi Appeals, set back compensation cases and show cause notices....	...	...	...	...	161
(6) Appeals from order of Payment of Wages Court	...	...	...	...	6
(7) Full Court Applications	...	...	...	...	9
<i>V.—Police Court Cases</i>	...	...	...	...	38,476
<i>VI.—Labour Court—</i>					
(1) Cases before Industrial Tribunals	...	...	...	...	7
(2) Application under Payment of Wages Courts	...	...	...	...	140
(3) Cases before Labour Courts	...	...	...	...	125
(4) Cases before Motor Accidents Claim Tribunals	...	...	...	...	25
(5) Cases before Arbitrators	...	...	...	...	8
(6) Cases in the Workmens' Compensation Courts	...	...	...	...	9
<i>VII.—Municipal Inquiry Courts for conducting inquiries under Section 105B of the Bombay Municipal Corporation Act—</i>					
(1) Cases registered in the Index Register	...	...	...	...	6,830
(2) Cases conducted	...	...	...	...	3,008
<i>VIII.—Documents completed during the year—</i>					
(1) Conveyances	...	...	...	...	11
(2) Lease	...	...	...	...	1
(3) Certificates of sale	...	...	...	...	2
(4) Deeds of Transfers	...	...	...	...	2
(5) Deeds of Licence	...	...	...	...	10
(6) Agreements	...	...	...	...	25
(7) Indemnity Bond	...	...	...	...	13
(8) Cases for compensation for set-back land	...	...	...	...	195
(9) Cases for compensation in T. P. Scheme	...	...	...	...	91
(10) Advice matters in respect of Stamp duty, Town Flanning, set-back, P. F. Claim, etc.	...	...	...	...	158

During the year under report, the cost recovered amounted to Rs. 19,860.50 paise.

The expenditure during the year amounted to Rs. 9,14,897.13 approximately.

A. M. DESAI,
Solicitor to the Corporation.

EDUCATION DEPARTMENT

Smt. Madhuri R. Shah, B.A. (Hons.), M.Ed., Ph.D. (Bombay), Ph.D. (London), continued to hold the office of the Education Officer during the year 1967-68.

I.—Municipal Schools pupils and teacher, Municipal Schools and Classes.

The number of Municipal Schools and classes in Greater Bombay at the beginning and at the end of the year was as follows:—

	As on 31st March 1967				As on 31st March 1968			
	City	Subs.	Extd. Subs.	Total	City	Subs.	Extd. Subs.	Total
Schools	497	279	96	872	499	286	116	901
Classes	48	49	21	118	47	51	13	111
Total	545	328	117	990	546	337	129	1,012

The following changes took place in the number of Schools and Classes during the year under report:—

	City	Subs.	Extd. Subs.	Total
Number of Classes opened	...	4	...	4
Number of Schools opened	1	5	13	19
Number of Classes converted into Schools	1	2	7	10
Number of Schools converted into Classes	...	...	...	...
Number of Schools Class amalgamated	...	...	...	...
Number of Classes closed	...	...	1	1
Number of schools closed	...	...	...	...
Number of Classes and Schools taken over	...	...	...	...

On the principle of providing higher standards for 35 children or more in the City and Suburbs and 25 children or more in the out-lying areas, the number of classes of higher standards opened during the year under report is as under:—

Higher Standard classes opened	Number of classes opened
Standard V	27
Standard VI	25
Standard VII	21

The total number of Upper Primary (including Vocational) and Lower Primary Schools and Classes was 157 and 418 respectively as against 566 and 424 during the preceding year.

The total number of pupils on roll at the end of the year in Municipal Schools and Classes in Greater Bombay stood at 4,81,211 as against 4,74,468 in the previous year (*vide* Appendix I). Thus there was a net increase of 6,743 pupils in Municipal Schools and Classes. The average attendance throughout the year was 4,35,508 as against 4,20,065 in the preceding year.

Teachers in Municipal Schools

The total number of teachers in Municipal schools during the last year was 13,491 out of which 585 were Special Teachers. The number stood at 13,893 (Special teachers 654) during the year under report. Out of 13,239 Ordinary teachers 12,838 (*i.e.* 96.5%) were trained as against 12,460 out of 12,806 (*i.e.* 96.5%) in the previous year.

The requirements of teachers are assessed as per class-room formula as adopted by the Education Committee.

Supervision of Municipal Schools

The supervision of Municipal schools continued as it was in the year 1966-67. 17 Administrative Officers are appointed and they are entrusted with full administrative work of all schools in the Wards. The Beat Inspectors are entrusted with the work of effective supervision of the schools.

6 new Beats were formed during the year under report. The position of Beats at the end of the year under report is:—

Marathi	...	28
Gujarati	...	8
Urdu	...	6
Hindi	...	4
South Indian	...	3
Sindhi, Eng. Primary	...	1
Total	...	50

Teachers' Diaries and Pupils' Progress Cards and Registers continued to be maintained as usual and parents were kept informed of the progress, conduct and attendance of their wards by forwarding the Progress Cards to them every month.

Double Promotion Examinations were conducted by the Inspectors of Municipal Schools in July 1967 as per rules.

Written examination of the pupils of Standards I to VII was held in the months of March and April, 1968 by a Central Examination Board which included Superintendents, Asstt. Research Officers, Inspectors Instructors and teachers.

The following factors, *inter alia*, hampered the progress of pupils in Municipal Schools.

- (1) Largeness of classes.
- (2) Lack of suitable school buildings.
- (3) Inadequate facilities to pupils to study at home.
- (4) Economic conditions of the parents resulting in irregular attendance and long and continuous absence of pupils.

With a view to avoiding over-crowding in classes, it was laid down that ordinarily, a class should not have more than 50 pupils in order to facilitate proper attention to pupils. However, in schools with bigger class-rooms, the number of pupils in classes, sometimes, reached a figure of 55-60 thus rendering the class unwieldy and unmanageable for the class teacher. As a result, it was difficult to pay individual attention to the pupils while teaching. On the other hand, in schools housed in rented buildings, over-crowding on account of inadequate accommodation was an impediment in the way of efficient teaching. Out of 1,012 Schools and Classes, about 709 Schools and Classes were required to be run into two sessions and more than two sessions for want of sufficient accommodation. This measure is hampering instruction and causes a lot of inconvenience to the pupils, teachers and the parents. A programme of new Municipal owned school buildings which is being implemented on a large scale would, it is hoped, improve the situation considerably in a few years.

As per the decision of the State Government, teaching of English was introduced in our schools in 1960. Refresher Courses for the benefit of the teacher teaching English language have been continued during the year under report with good response.

The existing curriculum for Standards I to VII as revised by the Government, is being followed in Municipal Schools.

As required under proviso to Section 62BB of the Bombay Municipal Corporation Act and the City of Bombay Primary Education (Amendment) Act 1950, the same Text Books which were used during the last year were used during the year under report in accordance with directions of the Government. Changes in the use of Text Books, wherever, effected, were made with the sanction of the Government as per the proviso to the above quoted Section of the Act.

Rahimtulla Curimbhoy Urdu Training Institute for Women

During the year under report the name of the Training Institute was changed as directed by the State Government to R. C. Municipal Urdu Teachers' Junior College of Education, Imamwada.

Only S.S.C. passed candidates were admitted to the College for Jr. P.T.C. Classes of one year duration. In all there were three divisions with 150 candidates. The teaching staff included a Head Mistress, 6 Full time Instructors (including one Instructress for teaching Gujarati and Hindi) and 4 Part-time Instructors for teaching Special subjects like Drawing, Drill, Music, Sewing, etc.

Out of 145 trainees sent up for the Junior P.T.C. Examination held in April 1968, 143 passed, the result being 99.2 per cent.

Municipal Urdu Teachers' Training Class, Mahim

The name of the Training Institute was changed as directed by the State Government to Municipal Urdu Teachers' Junior College of Education, Mahim.

During the year under report, there were 49 trainees in the class. The teaching staff included one Head Master, 2 Full time Instructors and one Full-time Craft teacher for regular subjects and 3 part-time teachers for teaching Special subjects.

In all 46 trainees appeared for the P.T.C. Examination held by the Government, out of whom 42 passed, the result being 91 per cent.

Loan Scholarships

An amount of Rs. 75 per month was given as Loan Scholarship to Municipal untrained teachers who were under training at the Municipal Training Class or any other Training Institute. This Scholarship was given to the teachers on their request only and was recovered by suitable monthly instalments.

The amount of Trust Funds, Prizes, Freeships etc., interests on various Trusts and Endowments were distributed among the eligible pupils in accordance with the terms and conditions of the respective Trusts.

School Furniture and Equipment

Amount spent for the supply of furniture articles, etc., out of Loan Fund for the year under report was Rs. 65,236.

7 new school buildings were added to the existing number of 186 during the year under report bringing the total number of 193 in Greater Bombay. On some Municipal School buildings additional floors were constructed wherever possible and thereby increasing the number of class-rooms as additional accommodation for classes. The school buildings at 7 places are under construction and extension in respect of certain school buildings are in progress. 539 schools (including classes) were accommodated in Municipal owned school buildings, 461 schools (including classes) were accommodated in rented buildings and 12 schools (including classes) were housed in rent-free buildings.

While the number of pupils in Municipal schools has been increasing from year to year, it has become practically impossible to acquire additional accommodation except by way of constructing buildings or extending the existing ones.

II.—Municipal Aided and Recognised Schools

Aided Schools

On 31st March 1968, the number of Aided Schools was 170 (103 in City, 41 in Suburbs and 26 in Extended Suburbs) as against 223 (133 in City, 53 in Suburbs and 37 in Extended Suburbs) in the previous year. The number of pupils in Aided Schools in the City, Suburbs and Extended Suburbs decreased during the year under review from 55,787 to 43,518.

The average number of pupils on roll in Aided Schools during the year under review was 43,209 as against 55,428 in the previous year.

The average daily attendance was 40,349 (93%) as against 51,171 (92.3%) of the previous year.

The total number of teachers in Aided Schools as on 31st March 1968 was as under:—

	City	Subs.	Extd. Subs.	Total
Ordinary Teachers	680	331	259	1,270
Special Teachers	88	46	17	151
Total	768	377	276	1,421

Out of 1,421 teachers 898 were trained and 523 were untrained as against 1,885 teachers in the preceding year out of whom 1,087 were trained and 798 were untrained. The per centage of trained teachers in Aided Schools worked out 63.1 which compared unfavourably with the percentage of trained teachers in Municipal Schools which was 96.9.

The power of administering grants to Aided Schools vests in the Corporation under Section 62(3) of the Bombay Municipal Corporation Act.

The Municipal Corporation for Greater Bombay sanctioned several amendments to Grant-in-Aid Code for Approved Primary Schools with a view to liberalizing grants payable to Aided Schools. These amendments provide for better control of Private Primary Schools and for raising the maximum grant per pupil from Rs. 25 to Rs. 40 per annum. Schools charging a maximum of Rs. 8 as tuition fees will be eligible for Grant-in-Aid. Other amendments relate to control over the rates of fees, transfers, etc. These amendments have been sanctioned by the State Government in April 1968.

The Grant-in-Aid for the year 1967-68 sanctioned by the Corporation and paid to the schools amounted to Rs. 7,11,530. The Education Committee of the Corporation also sanctioned assessment of temporary grant to meet urgent demands of deserving schools.

Many petitions were received from teachers alleging injustice in regard to termination of service, pay scales and allowances, service conditions and leave rules etc. These grievances were rectified to the extent possible by constant contact with School Managements. The policy to grant Recognition to new schools which adopted pay scales and allowances either on par with Municipal scales or at the rate of 20 per cent. less than the Municipal rates was enforced.

Adoption of service conditions and leave rules as laid down in the Grant-in-Aid Code was insisted. The practice of discouraging recognition and registration of school with untrained teachers and inadequate accommodation continued.

A large number of pupils including children of Government servants and armed forces sought assistance from this office for special admission to the classes in addition to the maximum number of pupils. Most of the applicants were those whose mother tongue was other than English. All the requests could not be complied with but efforts were made to accommodate as many pupils as possible in these schools by relaxing the rules. In order to raise the teaching efficiency of teachers working in Private Primary Schools, symposiums and seminars were arranged. Similarly, several talks and exhibitions of books and slide projections were arranged by the Department for widening the interest and knowledge of teachers.

Unaided and Recognised Schools

Besides Aided Schools there were 387 (227 in City, 112 in Suburbs and 48 in Extended Suburbs) Recognised Schools as against 331 in the previous year. The number of teachers in these schools was 4,070 as on 31st March 1968 as against 3,464 teachers on 31st March 1967 and these imparted education to 1,20,536 pupils.

III.—Vocational Education

There were 33 Vocational Classes in 22 Vocational schools 16 Carpentry, 12 Tailoring, 1 Sign-board painting, 1 Printing, 1 Book binding and 2 Clock Repairing.

During the year under report, the Educational Guidance Centre conducted the following extra curricular activities.

(a) Educational Guidance in 33 Primary Schools.

(b) Vocational Guidance in 27 Secondary Schools.

The important factors of these two activities are as under:—

(a) (1) A three-week orientation programme was arranged for selected teachers from 33 Primary Schools and 18 lectures were delivered by experts in their own field.

(2) A Career Exhibition was arranged for students of Standard VII.

(3) Lectures on educational and vocational guidance were delivered to the students of Standard VII.

(4) Two career films were shown.

(b) Lectures on the following subjects were given to the students of Standard X in connection with the guidance programme:—

- (1) How to choose a career.
- (2) Technical careers.
- (3) Medical careers.
- (4) Commercial careers.
- (5) How to prepare for examination.

The questionnaire answered by the students of Standard X revealed that the students found the vocational guidance activity very useful.

IV.—Physical Education

The Government syllabus in Physical Education in Lower Primary and Upper Primary Schools in the State continued to be followed in Municipal Schools this year also with suitable modifications to suit the local conditions which are the direct result of the shortage of open spaces and play-grounds adjoining the schools.

During the year under report, the Physical Education Section carried the following activities:—

(1) A three day Orientation Course was conducted in June 1967 for acquainting the Jr. Supervisors with the organizational part of the yearly programme of Physical Instruction. In this connection a talk given by Shri D. V. Khasnis Lecturer, T.I.P.E., Kandivli, was appreciated by the Junior Supervisors.

(2) *Refresher Class*.—Refreshers classes were organised for six days in each Ward for selected teachers. The object was to acquaint them with different practical activities and organisational part of the programme and to create a cadre of workers to carry out the programme smoothly.

(3) *Physical Training Camp*.—It was conducted from 10th October 1967 to 30th October 1967 at Unnat Nagar Municipal School, Goregaon. This consisted of various drills, games, lectures on organization and Administration, etc., methods, films on sports, Physical Education, etc.

(4) *Annual Sports*.—Annual Sports were conducted at 107 centres. This consisted of various competitions like running, skipping and athletics.

(5) *Model Schools*.—For this purpose there were 36 centres and 150 schools participated in the programme which consisted of items such as a Mass P.T., Lezims, etc.

(6) *Mass Drills*.—This consisted of children Rallies on 14th November 1967 and on "The Republic Day". The programme comprised Pyramids and Asanas. There was a "Special Rally" in the form of "Vasant Melava" on 27th February 1968. This concluded Mass P.T., Fancy Drills, etc. This was appreciated by the distinguished guests.

(7) *Drills/Games Competitions*.—This forms items like (1) Squad Drill, (2) Stunts and Pyramids and (3) Langedi for Boys and Girls etc.

(8) *Refresher Class for Special Teachers*.—A Refresher Class for 20 days was conducted for the newly recruited 93 C.P.Ed. teachers who were appointed as Special Teachers in Physical Education.

(9) *Educational Excursions*.—The pupils visited various spots like Victoria Garden, etc. As a part of this activity a two day guide class was conducted for teachers to enable them to guide the children during their visits to different spots.

(10) *Bal Bhavan Centres*.—The number of Centres has increased from 15 to 30 now. The programme at these centres consists of (1) A Refresher Class for the Instructors where training in Craft, Fainting etc., was given by experts in the field. This activity gave full scope to the hidden talents of the pupils.

V.—Scout and Guide Movement

The total number of Scouts, Cubs is 11,364 while that of Guide and Bulbuls is 9,174.

The following are some of the important activities that were conducted during the year under report:—

(1) *Explanatory Training Camp*.—This was held from 2nd September 1967 to 4th September 1967 and 150 Scout/Guide teachers and 10 Officers attended the Camp.

(2) *Vth All-India Jamboree, First Class Scout/Guide Rally and President's Scout/Guide Rally.*—The Pcmbay Municipal Division First Scouts and Guides sent Scouts, Guides and Scout/Guide teachers to the Rally and they took an actual part in the Jamboree/Scout/Guide displays seminar etc.

Eleven President's Scouts and Ten President's Guides from Municipal Scout/Guide Division participated in the President's Rally.

(3) *Preliminary Training Camp.*—For this Camp Special Teachers in Physical Education were selected.

(4) *Himalaya Wood Badges II.*—The Pcmbay Municipal Division organised for the first time Himalaya Wood Badge courses Part II for Scout Masters/Cub Masters/Guide Captains and Flock Leaders. The courses were conducted by the State Head Quarters. Out of 70 Scouts etc., only 4 failed.

(5) *Patrol Leaders Training Camp.*—This was conducted on Aarey Milk Colony camping ground from 13th November 1967 to 29th November 1967.

(6) *Cub/Bullul Excursion.*—This excursion was organised from 16th December 1967 to 28th December 1967.

(7) *Annual Scout/Guide Sports.*—These were conducted on zonal basis from 13th January 1968 to 31st January 1968.

(8) *Scout/Guide Rally.*—This year only 4 zonal Rallies of two combined ones were organised and Scout Guide displays in camping etc., were shown.

(9) *Hikes for teachers.*—These were organized for Scout/Guide Teachers in the vicinity of Vihar and Tulsi Lakes.

(10) *Scout/Guide Week.*—From 26th November 1967 to 3rd December 1967.

During this week activities such as Scout/Guide Rally Camp Fire and Good Turn, Socials, etc., were organised.

(11) *Scout/Guide Centres:*

V.—Audio Visual Education

Educational Films on various subjects were shown to the school children by the Projectionists of this Corporation in different Wards. In addition to this some special shows were conducted for Medical Officer (Schools) and Refresher Classes in different Wards.

Special Training Classes in Audio Visual Aids were conducted during the year for Municipal school teachers in batches and they evinced a great interest.

VI.—Finance

The principal sources of income of Primary Education Department are (i) five times actual the net realisation of the Corporation in the preceding year under the Head of General Tax (including arrears and payments in advance) divided by the rate fixed for the General Tax for the said financial year, (ii) Government Grant towards Primary Education, (iii) Education Cess, (iv) Interest on Endowments and investments, (v) Rent and other proceeds of properties, (vi) Interest on profits on investments of Surplus Loan and other balances and (vii) Other Miscellaneous Receipts.

The opening balance as on 1st April 1967 was Rs. 53,39,131. The details regarding Municipal Contribution and other Miscellaneous Receipts are as follows:—

	Municipal Contribution	Government Loan	Education Cess	Other Misc. Receipts
	Rs.	Rs.	Rs.	Rs.
City, Subs. and Extended Subs.	5,89,87,770	80,82,480	94,45,061	11,61,394

The total expenditure for the year including office amounted to Rs. 7,66,76,426. The closing balance as on 31st March 1968 (after taking into account decrease in Renewed Grant) was Rs. 95,17,125.

VII.—Research Unit (Education) 1967-68

The Research Unit carried out the following studies during the year 1967-68.

(1) To make the class-room teaching interesting and to increase attendance, activity method of teaching was continued in Standards I and II.

(2) 'Language Development Project' in Standards I to IV in Model Schools was undertaken to vitalize the routine class-room teaching of language and to help the children to learn habits of oral and written communication.

(3) 'Supervision Project' in multilingual schools in almost all wards was continued to study (i) cleanliness of the entire school building, school premises, class-rooms and school compound, (ii) Personal cleanliness of the children, (iii) Discipline, (iv) Attendance of teachers and children, (v) Teaching aids and their use in the class-room, (vi) Maintenance of school records like.

(a) Log Book writing.

(b) Attendance Register.

(c) Teachers' Muster Roll.

(d) Milk and Snacks Register and

(e) Entry book.

(vii) Actual class-room teaching—preparation of teaching work, etc., (viii) Composition writing (and other written work) and its correction work, (ix) Provision of class libraries and other reading facilities etc., (x) Educational excursions undertaken, (xi) Parental co-operation sought, (xii) Science teaching, (xiii) Language teaching (Mother Tongue—English), (xiv) Research Projects or experiments undertaken in schools, (xv) Teaching Standard I (selection of right teachers, periodical streaming of children into homogeneous groups, teaching done through activity method).

(4) Reassessment study of answer papers in Arithmetic-Standard IV with a view to finding out children's weak links, learning gaps etc., in this subject.

(5) An experiment in ungraded unit course had been extended to Standard III with a view to reducing the number of failures resulting in stagnation, drop-outs and wastage.

(6) Preparation of graded assignment in Arithmetic and language for Standard I.

(7) In Service training classes for teachers teaching science in Primary classes had been conducted.

VIII.—Secondary Schools

During the year under report, the Corporation started 4 more Secondary Schools in addition to the existing 22 schools in different Wards. Besides, one school was split up into two schools.

The Number of Secondary Schools, divisions etc., is given below :—

	As on 31st March 1967	As on 31st March 1968
No. of Schools	22	27
No. of Divisions	232	326
No. of pupils	10,161	14,733
No. of teaching staff	348	489

IX.—General

During the year under report, the total number of children examined was 93,799 out of whom 82,007 were found to be suffering some defect.

The clinical treatment to pupils in Suburban and Extended Suburbs was given at L. T. M. G. Sion Hospital and Nair Hospital while major ailments were directed to the School Clinic at K. E. M. Hospital, Parel. Pupils with communicable diseases were promptly detected and were disallowed from attending schools during their infectivity period.

Immunization work was carried out by Mobile Health Unit as per programme.

Outstanding activities carried by Medical Officer (Schools) are (1) Health Education, (2) Health Ministry, (3) Health Trophy Scheme, (4) Health Parades, (5) Supply of milk, (6) Emergency care.

Total No. of children examined from 27 Municipal Secondary Schools was 11,772.

Municipal Teacher's Library at Gilder Tank and Santacruz

The total number of books at the end of the year was 27,215 (23,143 at Gilder Tank and 4,072 at Santacruz) as against 26,501 in the previous year. The total number of newspapers and periodicals subscribed was 87. The total number of books issued was 13,917 showing an average of 47 books per day at Gilder Tank and 9,509 from Santacruz Library showing an average of 33 books per day. 258 new members (162 at Gilder Tank and 92 at Santacruz) were enrolled during the year under report.

There is one Children's Library attached to the Municipal Library at Santacruz and the number of books in the Children's Corner is 3,369. Nearly 21,920 children took advantage of this library.

Gratis use of school premises

The use of Municipal school premises for conducting Social Education Classes, Hindi Classes, Night Schools, etc. under the auspices of Educational and School Welfare Institutions was continued to be allowed gratis or at nominal fees and Leave & Licence fees outside regular school hours on prescribed conditions with the consent of the landlords of the premises concerned.

Extra Curricular Activities

(a) Sharad Utsav (Autumn Festival) at 50 Centres in Greater Bombay, (b) Dramatics and Folk Dance Competitions, (c) School Anniversaries—Dassera Festival, Independence and Republic Day were celebrated in a number of schools where special invitations were given to the parents so as to bring them into close contact with school administration and variety entertainments were arranged on such occasions, (d) Democracy in schools and model schools, Class Panchayats (Prefect Courts) and School Parliaments were introduced in a number of school with a view to inculcating a sense of discipline and self-Government among pupils (e) Excursions, (f) Educational Seminars, Exhibitions, and Cleanliness Week. Municipal Teachers spread over in 50 beats in Greater Bombay participated in these seminars. (g) Milk Scheme—Under this scheme all children in Std. I to IV were catered with 200 ml. of double toned pasturised milk in sealed bottles on every school working day except during the period of June and April when the attendance of pupils is irregular. Very few schools in Suburbs and Extended Suburbs do not get the benefit of free milk supply as the milk trucks do not get any access to the school premises. All the school children are given biscuits and the rest are given peanuts.

(h) Vacation Library at 50 Centres.

MADHURI R. SHAH,
Education Officer.

APPENDIX No. 1
Municipal Schools and Pupils

Class of Schools	As on 31st March 1967			As on 31st March 1968		
	Schools	Classes	Pupils	Schools	Classes	Pupils
CITY						
Marathi	226	...	1,71,919	227	...	1,71,119
Gujarati	83	8	31,830	82	8	30,539
Urdu	96	8	37,362	96	9	36,164
Hindi	47	5	15,944	48	4	16,385
Tamil	6	9	2,176	7	8	2,050
Malayalam	—	...	...	...	...	...
Telugu	10	4	3,418	9	5	3,586
Kannad	13	10	3,628	13	10	3,380
English Primary	14	2	5,134	15	2	5,572
Sindhi	2	2	528	2	1	416
Total ...	497	48	2,71,939	499	47	2,69,211
SUBURBS						
Marathi	111	...	90,034	112	...	90,178
Gujarati	43	11	22,068	45	10	21,319
Urdu	57	2	19,323	60	3	19,439
Hindi	41	1	14,384	42	7	15,650
Tamil	4	12	1,937	3	12	1,832
Malayalam	1	3	327	1	3	281
Telugu	1	6	626	3	4	608
Kannad	15	3	3,859	14	5	4,121
Eng. Primary	3	4	946	4	5	1,262
Sindhi	3	1	1,573	2	2	1,606
Total ...	279	49	1,55,077	286	51	1,56,296
EXTENDED SUBURBS						
Marathi	44	1	23,441	48	...	28,152
Gujarati	19	7	14,753	26	3	16,908
Urdu	10	2	2,290	12	2	2,368
Hindi	16	5	4,838	19	3	5,665
Tamil	1	4	520	3	4	632
Malayalam	...	...	...	..	...	...
Telugu	1	...	136	1	...	159
Kannad	1	1	535	2	1	754
English Primary	...	1	63	1	...	132
Sindhi	4	...	876	4	...	934
Total ...	96	21	47,452	116	13	55,704
Grand Total ...	872	118	4,74,468	901	111	4,81,211

APPENDIX No. II

Statement showing the number of Trained, Untrained, Permanent and Non-Permanent Ordinary Teachers in Municipal Schools according to Sides—1967-68.

Side	Trained.		Untrained.		Total.		Grand Total
	Permanent.	Non-permanent.	Permanent.	Non-permanent.	Permanent.	Non-permanent.	
CITY							
Marathi	3,990	883	44	...	4,034	883	4,917
Gujarati	862	112	10	...	872	112	984
Urdu	860	157	67	5	927	162	1,089
Hindi	375	101	10	1	385	102	487
Tamil	50	12	4	...	54	12	66
Malayalam	...	...	...	...	...	...	...
Telugu	53	26	24	7	77	33	110
Kannad	76	27	4	...	80	27	107
English Primary	52	39	28	41	80	80	160
Sindhi	16	...	1	...	17	...	17
Total	6,334	1,357	192	54	6,526	1,411	7,937
SUBURBS							
Marathi	2,015	395	19	...	2,034	395	2,429
Gujarati	538	79	4	1	542	80	622
Urdu	442	78	46	9	488	87	575
Hindi	296	125	9	4	305	129	434
Tamil	34	17	4	2	38	19	57
Malayalam	12	...	...	...	12	...	12
Telugu	13	1	3	1	16	2	18
Kannad	80	39	2	...	82	39	121
English Primary	17	9	10	3	27	12	39
Sindhi	40	...	6	3	46	3	49
Total	3,487	743	103	23	3,590	766	4,356
EXTENDED SUBURBS							
Marathi	748	62	1	...	749	62	811
Gujarati	424	45	3	...	427	45	472
Urdu	61	8	3	...	64	8	72
Hindi	107	50	6	1	113	51	164
Tamil	14	3	2	...	16	3	19
Malayalam	...	...	...	...	...	...	...
Telugu	2	1	1	...	3	1	4
Kannad	20	4	...	...	20	4	24
English Primary	2	1	...	1	2	2	4
Sindhi	18	...	11	...	29	1	30
Total	1,396	175	27	2	1,423	177	1,600
Grand Total	11,217	2,275	322	79	11,539	2,354	13,893

APPENDIX No. III

Municipal Recognised and Aided Schools and Pupils.

Class of Schools	Recognised Schools as on 31-3-1967		Recognised Schools as on 31-3-1968		Aided Schools as on 31-3-1967		Aided Schools as on 31-3-1968	
	No. of Schools	Pupils	No. of Schools	Pupils	No. of Schools	Pupils	No. of Schools	Pupils
City								
Marathi ...	26	9,195	29	10,608	26	4,473	21	3,097
Gujarati ...	49	8,432	60	9,605	48	9,391	31	7,313
Urdu ...	1	616	5	941	10	1,878	6	1,550
Hindi ...	2	155	3	383	10	2,974	9	2,747
Sindhi ...	1	62	1	47	7	603	6	560
Tamil ...	2	273	2	257	3	1,184	3	1,080
Telugu ...	...	...	...	...	1	136	1	141
Malayalam ...	1	74	1	60	2	694	2	642
Kannad ...	...	...	...	...	1	381	1	379
English ...	109	38,804	115	41,638	11	3,477	11	2,305
Miscellaneous...	2	60	2	32	2	392	1	164
Marathi Night	...	...	1	121	3	352	2	162
Kannad Night	1	68	1	72	7	711	7	605
English Night	6	958	7	1,072	2	308	2	233
Total ...	200	58,697	227	64,836	133	26,954	103	20,978
Suburbs.								
Marathi ...	13	2,847	16	3,912	12	3,947	9	3,329
Gujarati ...	15	2,458	20	4,527	15	6,337	10	4,591
Urdu ...	...	...	...	...	1	198	1	168
Hindi ...	1	115	2	283	10	2,175	9	2,188
Sindhi ...	1	84	1	110	2	279	2	246
Tamil ...	1	424	1	43	3	620	2	531
Malayalam ...	...	...	2	469	2	330	1	189
English ...	65	28,775	69	31,321	7	1,392	6	1,010
English Night	...	...	1	89	1	475	1	361
Total ...	96	34,703	112	40,754	53	15,803	41	12,603
Extended Suburbs								
Marathi ...	3	602	5	1,263	9	2,427	7	1,942
Gujarati ...	14	2,787	19	4,834	16	7,741	11	6,366
Hindi ...	2	131	2	272	7	1,541	6	1,359
Tamil ...	1	260	2	455	1	207	...	...
Malayalam ...	1	142	2	334	1	199	...	...
Kannad ...	1	116	1	144	...	...	...	...
English ...	13	6,191	17	7,644	3	915	2	270
Total ...	35	10,229	48	14,946	37	13,030	26	9,937
Grand Total ...	331	1,03,629	387	1,20,536	223	55,787	170	43,518

APPENDIX No. IV

Information re : Physical Education in Municipal Schools

Total number of schools and classes	...	...	1,012
Number of schools imparting physical education on playgrounds	...	...	50
Number of schools imparting physical education in open spaces	...	...	536
Number of schools imparting physical education in class-rooms	...	...	419
Total number of pupils	...	...	4,81,211
Total number of pupils taking physical education	...	...	[Approx] 4,81,211
Total number of trained teachers in physical education	...	...	1,241
Total number of untrained teachers in physical education	...	...	11,780

APPENDIX No. V

Average Cost per Pupil for the year

	Average cost per pupil for the year.
	Rs.
City, Subs. & Ext. Subs. :	
According to the number of pupils on roll as on 31-3-1966 4,50,114	... 116.44
City, Subs. & Ext. Subs. :	
According to the number of pupils on roll as on 31-3-1967 (4,74,468)	... 127.03
City, Subs. & Ext. Subs. :	
According to the number of pupils on roll as on 31-3-1968 (4,81,211)	... 159.34

LABOUR DEPARTMENT

The Labour Officer dealt with 1034 individual grievances of Labour staff.

Trade Unions.—Trade Unions activities among labour and other staff engaged in the services of the Corporation were mostly confined to the Unions whose names and other particulars including membership are given below. These Unions were recognised by the Municipal Commissioner as per Rules :—

TABLE I

Name of the Union.	Date of Establishment	Date of Registration.	Registered Number.	Membership as on	
				31-12-65	31-12-66
1	2	3	4	5	6
The Municipal Workers' Union ...	27-2-35	29-3-35	90	664	1,573
Bombay Sweepers' Union ...	30-7-46	7-9-51	1,118	2,282	2,282
Bombay Municipal Subordinate Staff Union ...	2-8-46	30-1-48	483	3,294	3,552
Municipal Mazdoor Union ...	...	...	2,100	14,993	15,149
Municipal Labour Union ...	...	...	...	...	...
Bombay Municipal Engineers' Union ...	Recognition granted on 21-7-56	...	3,281	419	430
Bombay Municipal Kamgar Sangh ...	1-4-33	28-6-62	4,212	2,519	5,274
The Administrative Officer's Association (B.M.C.) ...	...	...	...	...	...
Bombay Municipal Executive Staff Union ...	21-6-55	21-5-66	1,806	1,636	1,805
The Greater Bombay Nurses' Association ...	...	...	3,780	696	669
Bombay Municipal Health Visitors' Association ...	18-1-51	18-1-51	1,001	93	93
Bombay Municipal Engineering Officials' Association ...	...	...	4,650	154 (14-3-64)	162
Bombay Municipal Hospital employees' Union ...	...	...	4,638	650	255
The Municipal Primary Teacher Federation ...	...	...	3,488	2 Unions having 1956 memberships	...
Mahamumbai Nagarpalika Prathamik Shikshak Sangh ...	...	...	2,426	Information not available	...
Bombay Municipal Hindi Shikshak Parishad ...	19-3-62	...	4,185	300	324
Municipal Primary Sindhi Teachers' Association ...	Registration cancelled on 2-12-1964	...	79	85	...
Brihan Mumbai Nagarpalika Special Shikshak Sangh ...	...	...	3,593	178	115
Brihan Mumbai Municipal Hindi Shikshak Sangh ...	...	...	2,773	Information not available	...
Bombay Municipal Urdu Teachers' Association ...	...	...	...	...	...
Municipal Qualified Overseers' Union ...	...	...	...	...	200

Industrial Relations.—There was no occasion on which the provisions of the Bombay Municipal Servants Act, 1890 had to be brought into effect. Three new Unions were recognised during the year under report viz., (1) The Bombay Municipal Urdu Teachers' Association (2) The Municipal Qualified Overseers' Association (3) The Administrative Officers' Association. The Bombay Hospital Employees' Union has been granted recognition to represent the nursing staff in K.E.M. Hospital and Nair Hospital. Recognition to the Bombay Municipal Kamgar Sangh to represent the labour staff of the Kastrurba Hospital and Nair Hospital was withdrawn for want of their representative character in those hospitals. The Bombay Municipal Subordinate Staff Union launched an illegal strike from 29-2-1968 to 9-3-1968 in support of their demands for revision of pay scales, etc. The strike was called off from 10-3-1968 after entering into an agreement with the Administration that the demands be referred to a mediator agreeable to both the parties.

Dispute regarding demand about accommodation, House Rent Allowance etc., referred to the Arbitration of Shri Salim M. Merchant is pending before the Arbitrator. The dispute regarding the demands about revision of grades, conveyance allowance etc., of the executive staff referred to the arbitration of Shri Purshottam Kanji, Chairman of the Wage Board is also pending.

46 disputes were referred to the Government Labour Officers, Assistant Commissioners of labour, Conciliation Officers labour Court, Payment of Wages Authority, Arbitrators or Industrial Tribunals by different unions of the municipal employees as indicated in Appendix 'A'.

91 applications under Section 33(2)(b) of the I. D. Act, 1947 were submitted to Shri Salim M. Merchant, Arbitrator by the administration for approval to the actions of dismissal or removal proposed by it against the delinquent employees. 45 applications were heard by the Arbitrator and approval orders in 28 applications were received from him during the year under report.

The following Awards were received and published during the year under report —

(1) Award in Ref. (IT) No. 332 of 1966 in the matter of Pay-Scales, festival holidays, allowances uniforms, washing allowance etc.

(2) Award in Ref. (IT) No. 352 of 1966 in the matter of promotion to the post of Head Clerk and assurance given by the Corporation in that behalf.

(3) Award in Ref. (IT) No. 34 of 1957 in the matter of grades and pay scales of clerical and allied staff.

(4) The Arbitration Award in a complaint No. 49 of 1967 in M.A. Ref. 2 of 1966 under Section 33A of the I.D. Act, 1947.

Labour Management Co-operation.—With a view to promoting cordinal relations between the employees and the administration the following steps were taken:—

(i) **Joint Council.**—The total number of Joint Councils constituted by the end of the year under report were 22.

(ii) **Peshi Committees.**—Peshi Committees were formed with a representative of labour as well as Administration to inquire into the misconduct committed by the municipal employees in Hospitals, Clinics, Maternity Homes, etc.

(iii) **Grievance Procedure.**—A four stage grievance procedure is laid down to redress the grievances of the employees in all Municipal Departments. The grievance Committee consists of the representatives of the labour and the Management which investigates the grievances of the employees.

(iv) **Individual Grievances.**—Complaints received by the labour Officer from the employees and also from the Unions were of various nature. The following table gives the number and the nature of the grievances received and dealt with by the labour Officer.

TABLE II

Nature of cases	Total		Grievances redressed		Not Genuine		Pending Cases.	
	City	Sub.	City	Sub.	City	Sub.	City	Sub.
Recruitment & Retrenchment etc.	227	205	179	194	44	8	4	3
Promotions, Transfers, confirmations, annual increments etc.	138	134	103	127	33	5	2	2
Fines, Reversions, Suspensions, dismissals & other punishments	17	77	11	73	4	3	2	1
Delay in payment of wages (including inquiry leave or maternity leave) & allowance	117	201	93	191	18	6	6	4
Delay in settlement of Provident Fund and other retirement benefits	103	135	87	128	11	5	5	2
Non supply of equipment and uniform	61	40	39	38	18	2	4	...
Delay in sanctioning leave due	72	47	59	45	9	2	4	...
House Rent, Accommodation & Transfer of quarters	219	62	173	59	38	2	8	1
Miscellaneous	80	518	62	468	15	34	3	16
Department Reference etc.	8531	631	8531	631	...	...	...	...
	9565	2050	9337	1954	190	67	38	27

The Scholarship to the children of Municipal employees.—During the year under report 534 applications for a scholarship were received and 191 scholarships were granted to applicants for higher education and 209 for secondary education. The total amount given by way of scholarship to the municipal employees was Rs. 20,000.

Medical Assistance Scheme to the Municipal Employees.—354 employees applied for medical assistance under the above scheme. Out of which 348 employees were given aid amounting Rs. 20,000.

(1) **Attendance of Welfare Centres.**—The average attendance of adults and children at different welfare centres during the year *i.e.* April 1967 to March 1968 was 2039 and 2364 respectively as against 1750 and 1680 during the preceding year.

(2) **Tournaments.**—Participants of all the welfare centres participated in the inter centre tournaments like volley ball, foot ball, table tennis, Kabaddi. Some of the Welfare Centres also participated in the tournaments organised by outside agencies.

(3) **Baby Show.**—Baby Show was organised at Gilder Lane Welfare Centre. Prizes were given to the healthy babies. Shri H. N. Trivedi, Municipal Councillor presided over the function he give personal prizes to the healthy babies.

(4) **Picnics.**—175 participants of the Welfare Centres were taken to Delhi-Agra, Mathura during the year. Children of the several welfare centres were taken to Tansa, Vaitarna National Park, Aarey Colony for one day trip.

(5) **Opening of Welfare Centres.**—During the year under report two welfare centres were opened at Malad and Gilder Lane staff Quarters.

(6) **Milk Scheme.**—With the health of Catholic Relief Committee the department was able to organise milk scheme at (1) Mahalaxmi (2) Lovegrove (3) Haines Road (4) Umerkhady and (5) Bapty Road. Milk was distributed to children of Nursery classes below 12 years age.

(7) **Scouting.**—The total strength in scout and guide section was 4169 as against 3754 during the preceding year. The organisation gave the following outstanding services during the year under report.

They carried out traffic duties and assisted in maintaining law and order at the time of several celebrations, exhibitions and festivals in the city.

The scout/guide and scouter/guider attended and participated in several scout activities in the city as well as out of the City.

F. A. IRANI
Labour Officer.

APPENDIX 'A'.

Serial No.	Name of the Union	Department concerned	Categories attached	Referred to	Nature of Disputes
(1)	(2)	(3)	(4)	(5)	(6)
1	The Municipal Mazdoor Union.	D. E. H. O.	... Labour Staff	... Asstt. Commissioner of Labour.	Dispute regarding confirmation of employees.
2	Do.	I. O.	... Labour Staff	... Do.	Dispute regarding alleged breach of Section 9A of the I. D. Act—Transfer of Shri P. J. Shaikh.
3	Do.	... Dy. A & C (Octroi).	[Marking Hamals	... Conciliation Officer.	Dispute regarding pay scales Special Pay to marking Hamals.
4	Do.	... W. O. F/N	... Labour Staff	... Govt. Labour Officer	Complaint regarding continuation of service.
5	Do.	... H. S.	... Mukadams	... Conciliation Officer	Dispute regarding pay scales Uniforms, Festival holidays, etc.
6	Do.	... All Municipal Hospitals.	Reg. Asts.	... Asstt. Commissioner of Labour.	Dispute regarding change of designation and revision of grade.
7	Do.	... W. O. F/N	... Labour Staff	... Do.	... Demand regarding condonation of breaks in service.
8	Do.	... I. O.	... Labour Staff	... Do.	... Dispute regarding Re-instatement of Shri Tanoo Dewoo and Rajaram Ramchandra.
9	Do.	... E. E. T.	... Driver	... Govt. Labour Officer	Demand regarding re-instatement of Shri Keshav Dhondiba, Driver.
10	Do.	... H. S.	... Mukadams	... Industrial Tribunal.	Ref. (IT) No. 332 of 1966 : Disputes regarding pay scales festival holidays Allowance, etc.
11	Do.	... Dy. A & C (Octroi).	Marking Hamals	... Do.	Ref. (IT) No. 430 of 1967 : In the matter of pay scales and special pay.
12	Do.	... M. M. P.	... Labour and Allied Staff.	Asstt. Commissioner of Labour.	Dispute regarding revision of grades of the employees of the Municipal Printing Press.
13	The Municipal Worker's Union.	M. M. P.	... Labour and Allied Staff.	Conciliation Officer.	Dispute regarding revision of grades of the employees of the Municipal Printing Press.
14	Do.	... W.O.H Ward	... Labour Staff	... Asstt. Commissioner of Labour.	Dispute regarding grant of increment and continuation of service, etc.
15	Do.	... Supdt. Rota Printing Press.	Labour and Allied Staff	Do.	Dispute regarding higher wages to the employees of the Rota Printing Press.
16	Do.	... Education Deptt.	... Peons	... Do.	... Dispute regarding increased special pay to peons.
17	Do.	... H.E./A.E.M.	... Mukadams, Mukadams, Mistry-II.	Asstt. Conciliation Officer.	Dispute regarding change of designation and revision of the pay scales.
18	Do.	... K. E. M. Hosp.	... Labour Staff	... Asstt. Commissioner of Labour.	Dispute regarding confirmation of staff.
19	Do.	... E. E. Mech.	... Labour staff	... Do.	... Dispute regarding extension of benefite of Meher Award.
20	Do.	... E. E. Mech.	... Shift Engineer	... Do.	Dispute regarding refund of House Rent Allowance and Transfer.
21	Do.	... H.E./A.E.M.	... Labour Staff	... Do.	... Dispute regarding extra remuneration to all the workers of the Meter Shop II.
22	Do.	... K. E. M.	... Time Keepers, Havildar, Asstt. Havildar.	Do.	... Dispute regarding higher grades.
23	Do.	... E. E. Mech. (N & P).	Labour Staff	... Industrial Tribunal.	Ref. (IT) 380 of 1966 in the matter of revision of grades and redesignation.
24	Do.	... A. E. Mech (Sub.)	Labour Staff	... Do.	... Ref. (I.T.) 202 of 1966 in the matter of re-payment of House Rent Allowance to labour staff of Versova Purification Plant.

APPENDIX 'A'.—(Contd.)

Serial No.	Name of the Union	Department concerned	Categories attached	Referred to	Nature of Disputes
(1)	(2)	(3)	(4)	(5)	(6)
25	Do.	... M. M. P.	... Labour Staff	... Asstt. Commissioner of Labour.	Dispute regarding strike in M.P.P.
26	Do.	... M. M. P.	... Asstt. Foremen	... Dy. Commissioner Labour (Adm.).	Application No. 30 under Sec. 33C(1) of I. D. Act for computation of the benefit under the Meher Award on D. A.
27	The Municipal Worker's Union.	General	... Labour Staff	... Asstt. Commissioner of Labour.	Dispute regarding Notice of Change for standardization of working hours.
28	Do.	... H.E./A.E.M.	... Do.	... Payment of Wages Authority.	Ref. 4527/64. Dispute regarding increment withheld due to participation in strike.
29	Do.	... A.E. (Mech. Sub.)...	... Do.	... Do.	... Ref. 3928/65. Dispute regarding deduction of Over Time Wages.
30	Do.	... H. E. (Main.)	... Do.	... Do.	... Ref. 928/66. Dispute regarding linking of D. A. with cost of Index.
31	Do.	... E.E.T.	... Do.	... Do.	... Ref. 2454/66. Dispute regarding revision of wage scales.
32	Do.	... A.E. Mech. (Sub.).	... Do.	... Do.	... Ref. 82/66. Dispute regarding illegal deduction from wages for loss of property.
33	Do.	... E. E. Mech.	... Do.	... Labour Court	... Ref. 4051 of 64. Dispute regarding difference in wages.
34	The Bombay Municipal Executive Staff Union.	H. O.	... Laboratory Technicians under N. M. E. P.	Asstt. Commissioner of Labour.	Dispute regarding revision of pay scales, Special pay, etc
35	Do.	... Dy. A & C (Octroi).	Inspectors	... Conciliation Officer.	Dispute regarding additional remuneration to the Inspectorial Staff.
36	Do.	... H. O.	... Technical staff of Municipal Laboratory.	Asstt. Commissioner of Labour.	Dispute regarding revision of existing special pay.
37	Do.	... Shops and Establishment Department.	Inspectors	... Do.	... Dispute regarding increase in Inspectorial Staff.
38	Do.	... General	... Executive Staff	... Arbitrator	... Dispute regarding revision of grade, special pay, etc. for Executive Staff.
39	The Bombay Municipal Subordinate Staff Union	General	... Clerical Staff	... Industrial Tribunal.	(IT) No. 352 of 1966. Dispute regarding implementation of assurance given by the Corporation about non-qualified Head Clerk.
40	Do.	... General	... Clerical Staff	... Do.	... (IT) No. 34 of 1967. Dispute regarding General demands for revision of grades, etc.
41	The Greater Bombay Nurses' Association.	G. T. B. Hosp.	... Nursing Staff	... Asstt. Commissioner of Labour.	Dispute regarding the alleged illegal change.
42	The Bombay Municipal Kamgar Sangh.	W. O. G/N.	... Mistry	... Labour Court	... Dispute regarding re-instatement of Shri Tipu Panju (I. D. A. No. 62 of 1967).
43	The Mahagai Bhatta Andolan Samiti.	General	... General	... Arbitrator	... Demands regarding H. R. A. Accommodation, etc. (Municipal Arbitration Ref. No. 2 of 1966).
44	Individual	... S. L.	... Inspector	... Labour Court	... Ref. 3 of 1964. Dispute regarding reinstatement of Shri R. G. Gogate.
45	Individual	... Dy. A & C (Octroi).	Labour Courtt	... Labour Court	... Ref. 1067/64. Dispute regarding Over Time wages Shri K. N. Joshi and others.
46	Individual	... Dy. C & E. (P & D).	Clerk.	... Govt. Labour Officer	Complaint regarding promotion to the post of Head Clerk.

PUBLIC RELATIONS DEPARTMENT

Shri N. A. Mistri, M.A., D.J., Dip. S.W., Public Relations Officer, continued to be in charge of the department during the year 1967-68.

The Department effected general publicity about the various activities and services rendered by different Municipal Departments and worked as a clearing house in respect of criticisms and suggestions in local newspapers. It also carried out health education work and dissemination of information to the public through various media.

Informative Publications

The Civic Guide-cum-Diary 1967 comprising of a guide to civic affairs and other useful information was published in English, Marathi and Gujarati. Two revised editions, both in English and Marathi of the booklet containing names, addresses and telephone numbers of Municipal Councillors, names of members on different Committees, names of Councillors representing different wards, together with a list of important Municipal Officers were also published. The Development Control Rules for Greater Bombay were also got reprinted.

Information Counters

Two Information Counters—one each at the main and extension buildings—continued to prove as useful adjuncts in giving necessary guidance and information to the public and carrying out sales of various publications.

Other Important Activities

(1) Public Health Museum at Bombay Sanitary Association, (2) Civic Sense Gallery at the Victoria and Albert Museum, (3) Permanent Displays at Venereal Diseases and Family Planning Clinics at Bellasis Road, were continued during the year.

A Special Exhibition of the various exhibits received by the Mayor from the Mayor of Yokohama was arranged at the Birla Kreed Kendra. These exhibits were received on account of the Sister-City Relationship established between Bombay and Yokohama.

Important Celebrations

The Department participated in the Observance of World Health Day, National Cleanliness Day, Anti-Fly Week, World Leprosy Day, National Smallpox Eradication Week, Prohibition Week, Social Education Week, Sharad Utsav, Family Planning Day, Local Self-Government Day and also in various Health Drives, exhibitions, meetings, etc., organised by the Lions Clubs, Bombay Civic Trust and such other social welfare organisations. Special educative propaganda was also carried out in Greater Bombay in connection with Compulsory Vaccination.

The Department also assisted in the work of collection of donations for the Koyna Relief Fund and the National Flag Day.

In addition to providing information to various civic bodies in India and other Government departments, information both in write-ups and pictures was culled, collated and furnished to various foreign countries, many of them coming through the Mayor.

N. A. MISTRI,
Public Relations Officer.

M. G. M. O. SWIMMING POOL

- (1) 7,679 New Members joined the Swimming Pool during the year under report.
- (2) 4,061 Beginners were trained during the year.
- (3) 44,039 Casual Swimmers including Labourers and Factory workers availed of the facilities of Swimming.
- (4) Six educational institutions availed of the Swimming facilities at a concessional charge of Rs. 100 per month during the year.
- (5) A 21-Member M. G. M. O. Swimming Pool Team participated in August 1967 in the Swimming Competitions held at Lelhi by National Swimming Club of India, Lelhi.
- (6) A 18-Member M. G. M. O. Swimming Pool Team participated in August 1967 in the Swimming Competitions held at Poona.
- (7) A 20-Member Team of the M. G. M. O. Swimming Pool participated in the 24th National Swimming Championship held at Trivendrum in November 1967 on behalf of Maharashtra State Amateur Aquatic Association. Their expenses were borne from Municipal Fund.
- (8) 18 Polio Crippled children availed of the free swimming facility at the Pool during the year under report.
- (9) The Swimming Pool was closed for 11 days from 11-12-1967 to 21-12-1967 for change of water and other minor repairs.
- (10) The Intercollegiate Swimming Competitions were held at the M. G. M. O. Swimming Pool on 10th September 1967.
- (11) Collection of the fees during the year was Rs. 2,59,980 as against Rs. 2,48,476 during the previous year.
- (12) Private parties reserved the Swimming Pool for 173 hours by which a revenue of Rs. 7,050 was collected.
- (13) The total annual expenditure was Rs. 1,17,967 including establishment cost of Rs. 80,834 during the year.
- (14) There were two drowning cases during the year under report.
- (15) 15th Anniversary of the M. G. M. O. Swimming Pool was observed on 27th April 1967 by holding Swimming Competitions of the members of the Pool. Prizes were awarded by Smt. D'Souza at the prize distribution Function presided by Dr. J. Leon D'Souza, the then Mayor of Ecmbay.
- (16) 12th Annual Long Distance Sea Race from Dadar Beach to Bandra Point and back was held on 25th February 1968. Prizes were distributed to winners by Smt. Mirashi, Shri Rajabhau Mirashi, Chairman, Standing Committee, presided.
- (17) The M. G. M. O. Water Polo League Tournament was held in January 1967. The Championship was won by the Central Railway Team.
- (18) The quality of the water of the Pool was maintained fit for swimming by effective filtration and chlorination Samples of the Water were tested every week in the Municipal Laboratory.

S. N. PINGE.

Manager,

M. G. M. O. Swimming Pool.

Administrative Officer (Enquiries) 1967-68

Details of work done by Enquiries Section :—

I—Investigation of—

(a) Cases of alleged acceptance of illegal gratification & misappropriation of Municipal money by the Municipal Staff	40
(b) Cases of theft or pilferage of Municipal Property or materials.	93
(c) Cases of irregularities of serious nature on the part of Municipal Employees such as misconduct, misbehaviour, rude behaviour and assaults, harassment to patients in the Hospital, taking leave under false pretext, driving or allowing to drive Municipal vehicles by unauthorised persons, gross dereliction of duties etc.	287
(d) Cases of irregularities of minor nature on the part of Municipal employees, such as irregular attendance, sub-letting of rooms, harbouring outsiders in their rooms without permission and negligence of duties etc. and complaints against stall holders, licensees and other regarding subletting of stalls, infringement of licence conditions, breach of provisions of Shops and Establishment Act, Municipal Bye-laws and regulations.	546
Total No. of cases investigated	966

The actions taken in the above cases investigated, are summarised as under :—

	No. of Employees.	No. of Cases.
(1) Dismissal	27	} 210
(2) Removal from Service	36	
(3) Resignation accepted	1	
(4) Demotion	10	
(5) Withholding of increments	80	
(6) Fines imposed	46	
(7) Censures and warnings	32	
(8) Recoveries made for loss of Municipal Property	19	
	251	
(9) Sent to Departments concerned for necessary remedial actions. ... ..	...	223
(10) Filed as the allegations were found to be either false or too vague ... ..	...	173
(11) Enquiries in progress at the end of the year ... ..	...	360
		966

I.—The split up according to the status of the delinquents in the cases of 153 employees who have been awarded deterrent punishments such as dismissal, removal from service, demotions, debarring from promotions and withholding of increments is as under :—

Category.	Dismissal.	Removal	Debarr- ing from promo- tion or demo- tions.	Incre- ment with- held.
Ward Officers ... ..	...	...	1	...
Asstt. Engineers... ..	...	1	...	...
Sub-Engineers,;... ..	...	...	2	1
Overseers	1	6	1	1
Medical Officers	1	...	...	1
Compounders ... ..	...	...	...	1
Licence Inspectors ... ..	...	...	...	1
Market Inspectors ... ..	...	...	...	1
Clerks	2	1	...	2
Supervisors (Conservancy) ... ..	...	...	1	...
Supervisors (Vig.) ... ..	...	...	...	1
Asstt. Teachers.	1	3	...	2
Labour staff	22	25	5	69
Total	27	36	10	80

II.—(a) The classification of very serious offences for which punishments of dismissal, removal from service and withholding of increments was resorted to and the number of employees to whom the said punishments were awarded for such offences, is as follows :—

Description of the Offences.	Dismiss- ed.	Remov- ed.	Demot- ed.	Increment withheld
(1) Demanding and accepting illegal gratifications, Diwali or New Year Bakshis etc. ...	10	3	1	4
(2) Pilferage of Municipal property such as stores articles dietary articles, temporary misappropriation of Municipal money etc. ...	4	11	...	4
(3) Misbehaviour ...	2	4	...	...
(4) Disorderly behaviour while on duty, assaulting co-workers, superiors, threatening them etc. ...	6	7	3	15
(5) Accepting or doing private job, business, trade etc. while in Municipal Service or while on leave ...	...	...	...	...
(6) Conviction by the Court under I. P. C. and Prohibition and Gambling Act. ...	...	...	...	2
(7) Misuse of Municipal vehicle and handing it over to unauthorised persons etc. ...	...	...	...	6
(8) Forgery ...	5	11	6	49
(9) Other Offences ...	...	...	...	...
Total ...	27	36	10	80

Other work done by Enquiries Section :—

Details of work	No. of cases.
(1) Surprise visits to places of Municipal works in progress & offices for checking of musters Accounts etc. ...	64
(2) Attending sale by auction of Municipal Property or rights etc. ...	105
(3) Disposal of cases of miscellaneous nature such as cases referred to by departments for advice in representations from employees in disciplinary cases, advice on procedural matters regarding departmental enquiries. ...	1,734

Work done by the Stock Verification Section.—Verification of Reserved Stores including capital stores at the General Stores and Sub-Depots was carried out during the year as usual. Periodical checking of balance of petrol, diesel oil etc. at the various Municipal Pumps was also done and quarterly live stock statement of bullock as well as increase and decrease statements of live stock at the Victoria Gardens were verified, checking of the unserviceable articles needlessly occupying considerable space in Municipal Schools was also carried out, 210 Schools and other Ward Offices were visited and unserviceable articles lying there were auctioned on the spot as per procedure laid down.

This section also helped the Enquiries Section in keeping a watch etc. at different places and times for detection of malpractices and investigation work such as scrutiny of voluminous records in specific cases.

The other important work attended to by this Section was the distribution of relief grants from the Mayor's Relief to the persons and families affected by fire, house collapses and other natural calamities.

Security Force

The Bombay Municipal Security Force continued to be under supervision of the Officer on Special Duty during the year under report. He was assisted by 1 Security Officer and 3 Assistant Security Officers who are on deputation from Police Department. Shri B. N. Nadkarni, Security Officer expired on 6th April 1967 and the senior most Assistant Security Officer Shri B. V. Durve looked after the work of Security Officer in addition to his own.

2. The work done by the Bombay Municipal Security Force is as under :—

Total No. of cases.	Total property involved.		Total property recovered.		
	Rs.	P.	Rs.	P.	
142					
Detected 89	16,785.24		7,040.56		
Hospitals			Others		
Cases	Property Lost	Property recovered.	Cases.	Property Lost.	Property recovered.
	Rs. P.	Rs. P.		Rs. P.	Rs. P.
61			81		
Detected 45	3,620.89	1,915.57	Detected 44	13,164.35	5,124.99
I.—Municipal employees involved ... 54			I.—Municipal employees involved ... 41		
(a) Municipal employees against whom Departmental action taken, ... 29			(a) Municipal employees against whom departmental action taken ... 13		
(b) Municipal employees against whom departmental action pending, ... 25			(b) Municipal employees against whom departmental action pending, ... 28		
II.—Municipal employees against whom Police cases pending, ... 3			II.—Municipal employees against whom Police cases pending, ... 7		

3. During the period under review, a number of important cases were brought to notice by the Bombay Municipal Security Force and with the tightening of Security measures at various installations, pilferages have been checked. In appreciation of the work done and as an incentive to the members of the Bombay Municipal Security Force, as well as other Municipal employees who had either done good work or shown courage at the risk of their lives were awarded cash prizes. In all, 37 persons including 2 outsiders were rewarded with a total amount of Rs. 511 out of which Rs. 75 were awarded to the outsiders (*viz.*, citizens).

4. The Industrial Unit of the Home Guards continued to function well and the members of the Unit turned out smartly at parades.

G. M. NADKARNI,
Officer on Special Duty.

THE BOMBAY CIVIC JOURNAL

Shri N. A. Mistri, M.A., Dip.J., Dip.S.W., continued to work as Editor, the *Bombay Civic Journal*, in addition to his duties as the Public Relations Officer, during the year under report.

The Journal took out two Special Numbers in addition to the Independence Number, brought out in August 1967. These Special Numbers were devoted to Public Health and Medical Relief and augmentation of City's water supply. The other issues of the Journal which were brought out regularly contained articles and other related information on subjects or topics of civic importance. Two new series were also introduced for the information of readers, continuing the series already started last year.

N. A. MISTRI,
Editor, Bombay Civic Journal.

ORGANIZATION AND METHODS DIVISION

Shri K. U. Mehta, B.A. (Hons.), 'Kovid', was in charge of the Division upto 18-6-1967. He was promoted as Ward Officer (Estates) on 11-4-1967 but upto 18-6-1967, he was looking after the work of this Division in addition to his duties as Ward Officer (Estates). Dr. S. D. Parchure, M.A., Ph.D., was appointed as Ag. Organization & Methods Officer from 19-6-1967 and he was in charge of the Division during the remaining part of the year under report.

The main activities conducted by the Division during the year were as shown below :—

- (i) Standardization of forms and registers.
- (ii) Operation of Suggestion Scheme.
- (iii) Standardization of Record Branches.
- (iv) Codification of M.C.'s orders/circulars of standing nature.
- (v) Scrutiny of standardised furniture proposals.
- (vi) Supervision of Office Procedure and other works as would generally contribute to quality control in administration.

The Appreciation Training Programme on Management and Productivity for Top Executives, which started in the previous year, was completed on 19th April 1967. A similar programme for Middle Executives was started on 15-6-1967 and the same is in progress. The main object of starting this programme was to expose our Middle Executives to modern management and productivity techniques for solving our day-to-day administrative problems.

A Full Time Training Course in Industrial Engineering was also started on 11-9-1967 and it was completed on 23-3-1968. This course was started with a view to establishing a Productivity Cell in the Corporation to assist the Heads of various Departments in streamlining methods and procedures, in quickening disposal of work and in effecting a general improvement in the quality of the Municipal Services.

S. D. PARCHURE,
Ag. Organization & Methods Officer.

Administrative Report of the Executive Health Officer for the year 1967-68

Dr. R. B. Fondekar, M. B.B.S., B.H.Y. continued to hold the post of the Executive Health Officer, throughout the year and Dr. D. V. Parulekar, M.B.B.S., D.P.H., M.P.H., (U.S.A.) the Deputy Executive Health Officer was in charge of the Public Health Administration in the Suburbs and Extended Suburbs.

Population.—The mid-year estimated population figures for Greater Bombay, viz. 49,03,000 for the year 1967 has been taken as the basis for rates for vital statistics.

Rainfall.—The total rain-fall in millimeters recorded at the Colaba Observatory was 2373.0. It was above normal by 568.2 mms. It rained on 109 days as against 95 in 1966 and 87 in 1965. The wettest month of the year was July with a rain-fall of 974.6 mms.

At the Santacruz Observatory the total rainfall was recorded as 2215.6 mms. as against 1630.7 mms. in 1966. July was the wettest month with a rain-fall of 962.2 mms.

PUBLIC HEALTH ADMINISTRATION

(I) GENERAL SANITATION

(A) **Food Sanitation, etc.**—This includes enforcement of sanitation and hygiene in food establishments, check on hawkers of food and destruction of unwholesome articles of food.

(B) **Grading of Eating Houses.**—The scheme for grading of eating houses introduced from the year 1961 contemplates improvement of sanitary etc. conditions obtainable in eating houses by introducing the element of competition amongst the licensees. Grades I, II or III are determined on the basis of marks secured out of 100 allotted for the observance of the conditions of eating house licences and provision of special arrangements as sterilising of all utensils, cups, dishes, etc., additional arrangements for periodical cleanliness of the premises and tables, cleanliness of the servants and their uniform, refrigeration for food preservation, and periodical medical examination of all employees, etc. The grade allotted to an eating house is required to be exhibited in a prescribed form, at a conspicuous place at the entrance of the eating house. Eating houses securing less than 35 marks out of 100 are not allotted any grade, not allowed to be licensed and they come under prosecution till they either improve the conditions or vacate.

(C) **Grading of bakeries.**—Almost on similar lines as grading of eating houses, grading of bakeries in Greater Bombay has been introduced from September 1964 so that the conditions obtainable in bakeries may be improved by competition. The special arrangements that upgrade a bakery are, inter alia, arrangements for cleansing and sterilizing all utensils and other appliances, personal hygiene of the staff, special retiring room for workers, perfect fly-proofing of the bake-room and the store-room, use of electric oven for baking, etc. Bakeries securing less than 35 marks out of 100 are not allotted any grade, are not allowed to be licensed and are subjected to prosecution till they either improve or are discontinued.

(D) **Water Supply.**—The city continued to receive chlorinated water supply. Constant check on quality of water supply and dosage of chlorine was exercised through systematic sampling and analysis of water at various points in the supply and distribution system. As the pipe water supply is yet to reach in certain distant parts of the suburbs and the extended suburbs, disinfectants of well-water was continued.

(E) The work of laying sewers and S. W. drains in Mahim, T. P. S. III in roads bounded by Cadell Road, Mori Road and partly Tulsi Pipe Road, were carried out except for roads encumbered by obstructions for which the reference has been made to W.O.G/N for removal of semi-permanent and permanent structures.

(F) **Prevention of Food Adulteration.**—This includes sampling of articles of food stored, sold or exposed for sale, etc., for checking adulteration and mistrading of food under the Prevention of Food Adulteration Act, 1954. This work is being done by the Food Inspectors appointed for the purpose under the provisions of the Act. There is a counter check over the Food Inspectors by Mobile Squad provided with a Van for swifter and surprise sampling.

(II) VITAL STATISTIC

Births and Birth rate.—The live births registered during the year were 1,53,230 which were 5,244 more than in 1966 and 19,931, above the average of the quinquennium 1962-1966. Of the registered births, 78,722 were males and 74,508 were females, giving a proportion of 105.6 males to 100 females. The birth rate was 31.3.

Deaths and Death rate.—The deaths registered from all causes were 56,701 as against 50,492 in 1966 being 10,686 more than the mean mortality of the preceding 5 years.

The death rate was 11.6 as against 10.6 in the year 1966. 25% of the total deaths were among infants below 12 months. Out of these 39.8 per cent were recorded as due to congenital malformation and diseases of early infancy.

Mortality by sex and age.—Of the 56,701 deaths, 32,592, were among males and 24,109 among females. The excess of deaths among males may be ascribed to the slight preponderance of males in the population, their number being nearly 60.1 per cent of the total population. The death-rate among females was however, actually higher than that among males. The male death-rate was 11.0 and the female death-rate 12.2 as against 11.7 and 12.9 respectively in 1966.

Principal causes of deaths.—Diseases of the respiratory system claimed the highest number of deaths as in the past, with a death-rate of 2.35 per 1000 of population. A large proportion of deaths from respiratory diseases occurred among infants and children under 5 years of age. The causes coming next on the list for the year were congenital malformation and diseases of early infancy, 1.14; tuberculosis, 1.05; diarrhoea, enteritis and dysentery 0.80.

Infant Mortality.—Deaths among infants under 1 year of age numbered 14,118 which were 1,458 more than in the preceding year and 2,393 more than the annual average of the previous quinquennium (1962-66). The infant mortality rate for the year was 92.1 per 1,000 live births as against 85.5 in 1966.

Of the 14,118 infant deaths, 13,044 *i.e.* 92.3 per cent were among infants born in Greater Bombay and 1,074 *i.e.* 7.7 per cent were among those born outside Greater Bombay. The births of these 1,074 infants were naturally not registered in the Greater Bombay birth registry. Excluding these 1,074 deaths, the infant mortality rate would be 85.1. How much of this reduction in the rate could be set off against the deaths of infants occurring outside Greater Bombay though born and registered in the Greater Bombay cannot be estimated but in the absence of any specific cause or evidence of emigration, the number must be small and therefore the infant death rate after correction for residence would not be much above 85.1 *i.e.* 7.0 less than the recorded rate of 92.1.

Causes.—9,402 or nearly 66.6 per cent of the total infant deaths were due collectively to diseases of the respiratory system, congenital malformation and diseases of early infancy as against 8,478 or 66.9 per cent in 1966. Diarrhoea and Enteritis caused 1,639 deaths, Dysentery 48 and Convulsions 24 deaths. Deaths from Smallpox and Measles numbered 174 and 137 respectively while poliomyelitis caused 6 deaths.

Quinquennial average.—Compared with the annual average of the preceding five years the total deaths among infants in 1967 were 2,393 more. Decrease of 12 under convulsions, 6 under Poliomyelitis and 406 under Congenital malformation and diseases of early infancy was recorded. Increase of 108 under Smallpox, 68 under Measles, 12 under Dysentery, 314 under Diarrhoea and Enteritis and 1339 under diseases of respiratory system was recorded.

Age at death.—The infant deaths in the 1st week of life were 4,594 or 32.6 per cent and in the age group of 1 to 4 weeks it was 2,601 or 18.4 per cent of the total. Thus, 7,195 infant deaths or 50.9 per cent of total number occurred in the first month of life. In the next two age groups *viz.* 4 weeks to 6 months and 6 to 12 months, the infant deaths numbered 3,886 and 3,037 respectively, constituting 27.5 per cent and 21.5 per cent of the entire infant mortality.

The maternal mortality.—Numbered 115 the rate being 0.7 per 1000 live births as against 1.1 during the year 1966.

Cemeteries.—The work of registering the cemeteries in the Suburbs was continued during the year. Certain amenities were provided in a few private cemeteries.

Notification.—The total number of notifications of infectious diseases received during the year was 9,976 as against 12,527 in 1966. Of these 9,968 (98.9 per cent) were from the District Registrars and 108 (1.1 per cent) were from the Medical Practitioners.

Infective Hepatitis.—Caused 1,359 attacks (including 56 originating in the other local areas of India) and 147 deaths.

Plague was absent during the year.

Anti plague measures.—(i) Rat destruction—The total number of rats caught and destroyed in Greater Bombay during the year was 6,04,253 (including 1,21,258 *Fattus Fattus* and 2,56,793 *Cynomys Kok*) as against 6,28,034 in 1966. No rat was found plague infected. Periodical immunity tests on the rats against plague could not be carried out during the year at the Haffkine Institute as the incinerator was not put into commission.

(ii) Other anti-plague measures *viz.* Flea destruction, especially through DDT dusting of rat holes and DDT spraying of houses etc. and thorough cleansing of areas, were carried out.

Smallpox.—Caused 2,580 attacks (including 1,025 originating in the other local areas of India) and 1,007 deaths.

Cholera.—Cholera was absent during the year. Preventive measures such as anti-cholera inoculations, disinfection of well water, destruction of overripe and rotten fruits, were carried out. 6,38,868 persons were inoculated against Cholera.

Influenza.—Influenza caused 3 deaths as against 5 in 1966.

Enteric Fever.—The number of notified cases *viz.* 584 (including 11 originating in the other local areas of India) was 65 more than that in 1966. The total number of deaths was 19 as against 74 in 1966. 4,01,514 persons were inoculated with T. A. B. Vaccine. Other preventive measures including D.D.T. spraying as an anti fly measure, surprise inspection of food establishments, etc., destruction of unwholesome food stuff, propaganda, etc., were carried out as usual, besides treating all cases of typhoid with chloramphenicol, etc., at the Kasturba Hospital for Infectious Diseases.

Acute Anterior Poliomyelitis.—172 cases (22 originating in the other local areas of India,) and 41 deaths were reported due to this disease. 60,801 children were immunized against Polio.

Diphtheria.—1,849 cases were notified. Of these 156 were originating in the other local areas of India. 113 cases proved fatal.

Corobro spinal meningitis.—This disease caused 4 attacks.

Tuberculosis.—Tuberculosis took a toll of 5,150 lives and the death rate of tuberculosis was 0.9 per 1,000 of mid year estimated population.

Examination of specimens.—Sputum specimens sent by the medical practitioners were examined free of charge at the Municipal Laboratory.

Cases of Tuberculosis were admitted to the Municipal Group of Hospitals for Tuberculosis at Sewri, which has an accommodation for 800 in-patients, besides 400 beds are reserved by the Municipal Corporation of Greater Bombay at the Sarvodaya Hospital Ghatkopar. The cases directed by the 4 Clinics at Princess Street, Foras Road, Dadar and Khar were admitted as per the waiting list maintained at the Hospital out door department after examination by the Honoraries. A. P. and P. P. refills and screening were done at the Hospital as also at the above four clinics. Advanced cases of T. B. were isolated at the Daftary Municipal Isolation Wards at Dadar.

Venereal Diseases : Contact Investigation Centre.

Follow up work and Education.—The two medico social workers, one for the male patients and the other for female patients and the Health Visitors were instrumental in pursuing defaulters and married partners to take continued and complete treatment. They also impressed upon patients' minds the dangerous after-effects of the diseases. Some female patients who were willing to be rescued were given aid and were rescued through the Vigilance Branch of the Police Department.

The clinical diagnosis of all cases was confirmed by the latest methods of tests in the laboratory at this clinic. Blood samples and urethral smears of patients sent by private medical practitioners were tested and examined and reports were sent to them confidentially and free of charge.

Latest methods of treatment were adopted at this clinic. Male and female patients were examined and treated in separate wings of the clinic, maintaining absolute privacy and secrecy.

Anti-biotics like Penicillin 'G' in Oil, Strepto-Penicillin, Acromycin, Capsules, etc., were the drugs of choice used in the treatment of venereal diseases.

565 samples of blood were received from Municipal Maternity Homes (418 anti-natal and 147 post-natal) for opinion. Out of these 69 were positive for V. D. R. L. test. These positive cases were treated in the respective maternity homes for the convenience of the patients.

As many as 21,667 (19,768 males and 1,899 females) Venereal and 2,498 (1,283 males and 1,210 females) non-Venereal cases were treated during the year.

Out of 21,667 Venereal cases 6,048 were syphilis, 6,108 were gonorrhoea and 9,511 were cases of non-syphilitic sores.

Leprosy.—The Acworth Leprosy Hospital has been doing commendable work for over 77 years and is also conducting 8 clinics, 4 in Bombay City and 4 in the Suburbs, maintained by the Greater Bombay Leprosy Control Scheme through survey, education and treatment. In addition to providing a Hospital for the isolation of 500 patients either voluntarily admitted or committed by Magistrates under the Leprosy Act, the Institution conducts a well-equipped out-patient clinic, with facilities for education, case detection and treatment, including physiotherapy and chemoprophylaxis. Medical Social Service is also provided. The figures of attendance at the 9 clinics are given below :—

	A. L. Hospital Clinic.	G. B. L. C. Scheme (8 clinics)
New cases	3755	1637
Old cases	8988	5790
Average daily attendance	199.5	282.5

The Corporation bears the entire cost of the out-patient clinic attached to the Acworth Leprosy Hospital and also additional cost on account of :—

- (1) 48 beds for the voluntary patients domiciled in Bombay.
- (2) Approximately 150-170 beds for the resident patients (domiciled in Bombay) committed under the Leprosy Act.
- (3) Domiciliary Service by 6 Health Visitors.
- (4) Rs. 10,000 every year for Sulphone treatment to out-patients.
- (5) One-third of the recurring expenditure and the entire cost of Capital works such as construction etc. on account of the Greater Bombay Leprosy Control Scheme activities.

Six Health Visitors appointed by the Bombay Municipal Corporation including one for the Suburbs and one Medical Social Worker and 3 non medical Assistants appointed by the Acworth Leprosy Hospital and 7 Health Visitors and medical staff appointed under the Greater Bombay Leprosy Control Scheme are doing the important work of detecting cases of the disease among the contacts of the patients. The Medical Assistants in charge of the Municipal Free Dispensaries have also been specially trained for detection of early cases of leprosy.

Malaria.—Inspections were carried out for detection of mosquito breeding places and breeding detected was promptly destroyed by treating with larvicides. The Urban Vector, *A. Stephensi* (Larvae) was detected on 217 occasions in Greater Bombay limits.

Wells.—26 open wells and 1 H. C. C. well were filled in and 11 open wells were rendered H. C. C.

Cisterns.—The total number of cisterns in Greater Bombay was 1,26,832 (City 92,091, Suburbs 30,139 and Extended Suburbs 4,602.)

Overhead Tanks.—All the 269 overhead tanks on mills and other similar premises were maintained in mosquito proof condition.

Mill Tanks.—There were 84 mill tanks in Greater Bombay which were periodically inspected and necessary measures to prevent or destroy mosquito breeding in them adopted promptly. Some of these mill tanks were kept under insecticide treatments on payment also.

Precautions against yellow fever.—Campaign against *Aedes Aegypti* mosquito, the vector of yellow fever and dengue was continued throughout the year. Breeding of *A. Aegypti* was detected on 109 occasions and stegomyia index for the year was 0,003.

Statutory actions were taken against the owners of premises etc. to keep their compounds free from breeding of mosquitoes.

Insecticide Services.—Fly and other insect-pests likely to cause nuisance were reduced as a result of regular anti-fly and other disinfestation measures adopted by the Insecticide Branch.

Filariasis.—An entomological survey to assess and delimit the transmission of filariasis by mosquitoes was continued during the year.

Private treatments on payment of fees.—This work was continued and insecticide squads operated in all the wards of Greater Bombay. A sum of Rs. 2,74,041 was received as fees for rendering these services.

Insecticide Fogging Operations.—These were carried out throughout Greater Bombay with the help of three squads covering all the areas where insect infestation was high.

National Malaria Eradication Programme.—The National Malaria Eradication Programme in the Municipal Corporation of Greater Bombay was established in the year 1962-63. The Unit is under consolidation phase at present and covers the old City, Suburban areas and Extended Suburban areas on Central and Western sides. The unit covers an area of 168 square miles. Bombay is an island situated on the western coast of Maharashtra State. It is the chief industrial City known as Gateway of India. People come to the City by Air, Sea and Rail and Road. People from other states as well as from other countries are also engaged in various pursuits in Suburban areas of Bombay. Some of the adjoining districts of Bombay are malarious. If the people bring potential reservoir and if they are not examined and treated, they are likely to spread the disease either in the City or to their native place. Hence to avoid this the surveillance scheme is introduced. The idea behind the Surveillance Scheme is not to eliminate mosquitoes (vector species) but to eliminate the malaria parasite from the human blood stream, so that even if vector densities increase to pre-control level. There will be no transmission of malaria parasites. Malaria in Bombay prior to 1930 was reported to be hyper-endemic. *A. Stephensi* is the vector in Greater Bombay Municipal Area.

For surveillance purposes, the Greater Bombay Municipal Unit is divided into 3 units (1) City Unit, (2) Western Rly. Suburbs and Extended Suburbs and (3) Central Rly. Suburbs and Extended Suburbs. City is covered by passive surveillance only whereas Western and Central suburbs and extended suburban areas are covered by both Active and Passive Surveillance. In City, the blood smears are collected from fever patients, attending the Municipal free dispensaries, Municipal and Government Hospitals, private Medical Practitioners and other charitable institutions whereas in suburbs and extended suburbs, in addition to above, the blood smear are collected by visiting house to house and if found positive, R. T. is given. On an average 12 to 15 hundred blood smears are daily collected and they are examined in the Malaria Laboratory located at Andheri and the results are conveyed to both Active and Passive Agencies through inspectorial staff.

In Surveillance Laboratory situated at Andheri, 30 Technicians are working in 2 shifts and the blood smears examined by them are not only checked by the Assistant Health Officer and Asstt. Unit Officer but 2.5% and 5% of total monthly collection is also sent to Baroda and Thana respectively per month for cross-checking in order that no positive cases be missed in the Laboratory examination.

On detection of positive case, the R. T. is given to the patient and epidemiological investigation is carried out with the interval of 1 month in the locality where positive case is detected in order to be sure that the positive case has not transmitted the infection in the locality. Followup of each positive case is done by taking blood smear every months for 12 successive months to ascertain the success of R. T.

Surveillance visit is also vigilant about the nomadic population which frequently appears in suburbs and extended suburbs. As soon as the location is noticed, the blood smear for each member of the group is collected and certificate is also issued to them regarding their blood smear examination for the information of the other units of their visit.

In order to make sure that hamlets, isolated houses and slum areas are left with no residual parasitic load, a Bias Mass survey is carried out in all such places. In addition to this, mass suppressive treatment and M. S. R. is carried out wherever necessary.

The Medical institutions which are partly covered in the year 1966 were fully covered during the year 1967. Watch was also kept on the Blood donors to prevent them from becoming carriers of malaria parasites.

The Assistant Health Officer (Surveillance) is in overall charge of the whole scheme. There are Assistant Unit Officers who are looking after the Active and Passive Surveillance.

During the year there was a focal outbreak at Magzaon dock in December 1967 and detailed report regarding the same is given below.

The statistical data for the surveillance work done during the year 1967 is given in the tables 21 and 22.

Focal Outbreak at Mazgaon Dock in December 1967 and January 1968.

Mazgaon Dock is located on the eastern sea face of Bombay City and is one of the most congested and busy localities in the City.

On 7th December 1967, in the afternoon, the Insecticide Officer's Department informed the Assistant Health Officer (Surveillance) on phone that the malaria inspector, 'E' Ward, on his routine visit observed breeding of *A. Stephensi* in construction area of dry dock and also stated that there are many fever cases in the hutments near the dry dock construction work. The Assistant Health Officer (Surveillance) visited the area with 1 Surveillance Inspector and 4 Surveillance Investigators on 8th December 1967 for taking immediate action. 75 blood smears were collected on 8th December 1967 by the squad and these slides were examined on the same day and it was found that out of 75 blood smears, 23 turned out to be positive (FVI C).

Simultaneously the blood smears were taken from 16 fever cases admitted at Kasturba Hospital for infectious diseases, from the dry dock construction at Mazgaon. Out of these blood smears 12 turned out to be positive. Thus there were 35 positives on 8th December 1967.

On the same day the Executive Health Officer and the Deputy Director, Public Health (Malaria and Filaria), Poona 1, were informed of the high incidence of malaria cases in Mazgaon Dock. The Insecticide Officer was also informed of the positive cases and was informed to take all anti-mosquito measures to check the breeding and transmission.

In view of this sudden outbreak on 9th December 1967, 4 Surveillance Inspectors and 15 Surveillance Investigators from other sectors were withdrawn and were directed for work at Mazgaon dock under the supervision of 4 Assistant Unit Officers.

The Regional Malaria Officer, Bombay Division, Thana, visited the area on 9th December 1967 and was apprised of the action taken by this unit. The above staff started taking Mass Survey and Mass Radical treatment for all the residents of the hutments near the dry dock construction work. 315 Blood smears were collected on 9th December 1967, 199 on 10th December 1967 and 139 on 11th December 1967. Out of these, 64 turned out to be positive. As more cases were coming up, 6 more Surveillance Inspectors and 18 Surveillance Investigators were withdrawn from other parts of our unit and were directed to work at Mazgaon Dock.

The Deputy Director, Public Health (M. & F.), and the Regional Malaria Officer, Bombay Division, Thana, visited the area on 12th December 1967 and were apprised of the action taken by this unit and the Insecticide Department.

The strength of the staff was again increased within a week's period by 4 more Inspectors and 12 Surveillance Investigators. So all the 14 Surveillance Inspectors and 46 Surveillance Investigators were working in the area under the direct supervision of all the 4 Assistant Unit Officers, and the Assistant Health Officer (Surveillance).

From 14th December 1967, the Active Surveillance was started in about 1/2 mile radius area surrounding the dry dock with 2 Surveillance Inspectors and 4 Surveillance Investigators. Also all the private practitioners of that area were contacted and were asked to take the blood smears from all fever cases. The slides thus collected by the private medical practitioners were collected by our staff daily and brought to the laboratory situated at Andheri for examination. So at the end of December 1967, 3,586 blood smears were collected, the details of which are given below:—

Passive	No. of positives	Active	No. of positives	Mass	No. of positives	Total	Total No. of positives
58	20	166	21	3,362	135	3,586	176

Mass Survey, Mass Radical treatment, etc., were kept in progress and details are given in the table 24.

Again in the 2nd fortnight of January, 1968, persons working in the workshop and other sections from the Mazgaon dock were also covered for mass survey in addition to residents of hutments near dry dock construction and labourers working thereat, (not residing there). As many as 2,152 blood smears were collected out of which only 3 turned out to be positive for P. V. T. G.

From the Active and Passive Surveillance, it was noticed that there were 12 spots in the vicinity of about 1/2 mile radius of the dry dock construction, where more than 2 positive cases were detected. In the same area, the mass radical and mass suppressive treatment was given. The spots where more than 2 positive cases were detected, are shown in table No. 24. Mass, Active and Passive Surveillance is continued in the area and the figures of blood smears collected from the Mazgaon Dock during January, February and March 1968 are shown below:—

Month	Passive	Positives	Active	Positives	Mass	Positives	Total	Positives	
January 1968	...	37	5	164	9	7,528	52	7,729	66
February 1968	...	2	...	92	2	4,498	2	4,592	4
March 1968	49	...	1,878	...	1,927	...

The epidemiological classification of positive cases is given in table 21. From the epidemiological investigations, it is revealed that majority of the labourers working at dry dock construction area were hailing from Andhra Pradesh, Kerala, Thana and Jalgaon Districts of Maharashtra State. The focal outbreak was due to breeding of *Anopheles Stephensi* in the pit of dry dock construction at Mazgaon dock, with the reservoir brought by some of the above labourers.

The Mazgaon dock site was subsequently visited by the Deputy Director, Public Health (Malaria and Filaria), Poona, on 12th January 1968 and on 19th February 1968 and the progress of work was seen by him.

The flow of positives was sufficiently minimised by the end of January 1968 and hence the strength of staff deployed was also withdrawn by the end of 1st week of February 1968 and since then 4 Surveillance Inspectors and 8 Surveillance Investigators under supervision of an Assistant Unit Officer are working there. Of these, one Surveillance Inspector and 2 Surveillance Investigators are keeping complete vigilance on the focus of outbreak of Malaria *i.e.* at the dry dock construction area.

The details of anti-larval measures, fogging and spray operations carried out in the locality during the focal outbreak from time to time are given in table No. 25.

A chart showing positive cases at Mazgaon Dock is at table 26.

It is thus clear that the focal outbreak was detected, remedial measures were adopted, facing all the difficulties and the situation was brought under full control, within 8 weeks.

III HYGIENE

The Maternity and Child Welfare services were rendered through the 15 Municipal Maternity Homes and two Hospitals with Maternity wards and 27 Maternity and Child Welfare Centres. The scheduled strength of maternity beds was 524, the number of deliveries conducted being 41,482. The average stay of mothers in the Maternity Home was 5 days.

Domiciliary care was rendered to impart health education and to carry out health propaganda amongst mothers. The mothers were also guided how to bring up their babies well and persuaded to take advantage of the services at the centres. The Medical Officers in charge Maternity Homes also paid domiciliary visits to supervise and guide the Health Visitors in their work.

Institutional care included ante-natal, natal, post-natal, infant and pre-school age child care, follow-up work, and health education by propaganda through posters, leaflets, group talks, demonstrations and film shows, etc.

During the natal period, each mother was explained importance of family planning.

Milk was given free to the poor and needy expectant and nursing mothers 3 months before and 3 months after delivery at the Maternity Homes. Poor mothers who delivered at their homes were also given help in the shape of milk.

Arrangements for the post-mortem examination in cases of certain deaths occurring in Municipal Maternity Homes were continued at the B. Y. L. Nair Hospital.

B. C. G. Vaccination was given to 42,042 new-born babies at 15 Municipal Maternity Homes and 2 Hospitals with Maternity beds after obtaining consent of their parents.

Paediatric centres were conducted at 5 Maternity homes with a view (i) to providing a service to the community in which efficient, effective and comprehensive paediatric care can be given outside the hospital by promoting good growth and development, providing immunization facilities, teaching family and community health as also nutrition; (ii) to reducing the load of hospital O. P. Ds. by referring cases for different medical care and (iii) to providing a teaching field and educational experience in an urban centre to doctors, nurses and allied workers.

Immunization.—Infants and children aged 6 months and above were immunised with triple vaccine at the Maternity Homes. Polio vaccine was given to the infants and children upto the age of 6 years at the Maternity Homes.

Family Welfare Planning.—Advice on spacing of births was given by trained doctors to married men and women at the Family Welfare Planning Centres. Health Visitors paid domiciliary visits for follow-up and propaganda.

I. U. C. D. (Loops) were inserted to 9,220 married women.

(1) **School Health Work.**—Medical Inspection of school children.—The total number of pupils in standards I to IV and V to VII in 1000 primary Municipal Schools, in Greater Bombay, was 376377 and 146773 respectively *i. e.* total 5,23,150.

The Medical Inspection was conducted in 709 schools by the Assistant Medical Officers (Schools) and 1,01,539 children studying in standards I and III as well as of those from Standards II and IV who had remained unexamined during the previous year, were medically examined during the year under report.

As many as 83,709 children were found defective. The defects noticed were communicated to the guardians of the pupils. The total defects noticed amongst the children were 1,78,435. The guardians of 3,556 children were interviewed by the Assistant Medical Officers (Schools) and were explained the necessity of their wards undergoing clinical and dispensary treatment.

The disease-wise percentage of defectives to the total number of defectives *i. e.* 83,709 as compared with that of the previous year (1966) is shown below :—

Total defectives :—		1966	1967
		92,023	83,709

Serial No.	Defect	Percentage 1966	Percentage 1967
1	General Debility ...	62.86	53.54
2	Dental (Mouth and Teeth) ...	53.54	51.71
3	Enlarged glands ...	42.12	35.57
4	Throat... ..	32.43	33.71
5	Nose	9.76	1.5
6	Eye (External)	9.29	5.85
7	Ear disease	4.61	6.97
8	Skin (contagious)	4.97	4.6
9	Other diseases	4.33	6.63
10	Eye (Vision)	2.35	2.02
11	Deformity of bones and rickets	0.95	1.03
12	Lungs and Tuberculosis	0.64	0.66
13	Heart circulation	0.99	1.08
14	Spleen	0.04	0.18

(2) **Correction of defects.**—In all 34,720 children with major ailments were treated at the K. E. M. Hospital, Nair Hospital and Lokmanya Tilak Municipal General Hospital. 1,523 cases with minor ailments were treated in the Municipal dispensaries, 2,802 children were referred to the Honoraries of the out patients Department of the K. E. M. Hospital for expert opinion. 474 cases of Tonsillitis were treated at the clinics. 678 children suffering from scabies, ring worm and boils were treated in the Schools by the Assistant Medical Officers (Schools). All the Municipal schools were supplied with first aid medicines. 259 new and 1185 repeated cases with dental defects were treated at the Nair Hospital Dental College, 508 children were supplied with spectacles, free of charge, 117 children suffering from infectious skin diseases were disallowed from attending schools and their parents were advised the importance of regular treatment.

Screening of 188 suspected T. B. cases was done at the Municipal T. B. clinics, out of whom 8 children who were suffering from tuberculosis were treated.

(3) **Follow up work.**—4967 domiciliary visits and 629 revisits were paid by the School Health Nurses to guide the guardians of ailing children as regards care and diet, etc., of their wards.

(4) **Health education.**—1258 and 1787 health talks were given in schools by Assistant Medical Officer (Schools) and School Health Nurses respectively. With a view to improve school health services among school children, 19 meetings of parents and teachers were organised in the schools premises when educational films were shown and informative talks were given.

Health Ministry was formed in selected upper primary schools. The first school in each group was given a Trophy and 1st, 2nd and 3rd schools in each group were given certificates of merit. The first two children from each class who secured the highest number of marks during Health parade were given prizes as an encouragement to their health habits.

(5) **Supply of toned milk to ailing children.**—During the year, 8855 ailing children attending the school clinic at the K. E. M. Hospital and 4,229 children attending the dental clinic at the Nair Hospital Dental College were supplied with 200 ml. pasteurised toned milk each and 200 ml. double-toned milk was supplied to 8090 and 7269 children respectively attending the school clinics at the Nair Hospital and L. T. M. G. Hospital, Sion, respectively.

(6) 348 children were examined in 4 Municipal schools located in the Hospital compound by the Child Welfare Centre at the J. J. Group of Hospitals, Byculla.

(7) **Immunisation.**—Immunisation work as follows was carried out in the Municipal schools.

B. C. G. VACCINATION WORK			
	Tuberculin Test given	Found positive	B. C. C. Vaccinated
Number of children	59,123	20,814	21,540

(8) **Emergency care.** First aid was rendered at the time of sports, mass drills and scout rallies, sharadotsav, etc., organised by the Municipal Education Department.

4994 boys and 4128 girls studying in 22 Municipal Secondary Schools were also examined.

Lectures were delivered by Medical Officer (Schools) on school health services for students of D. C. H. Course, D. P. H. Course, Sanitary Inspector's course and Post-Certificate Paediatric Nursing Course.

Mobile Health Unit.—Dr. D. N. Pai, Professor of Preventive and Social Medicine, Seth G. S. M. College, continued to be Honorary Director, Mobile Health Unit and Special Officer Family Planning. The following activities were carried out during the year:—

(1) **Comprehensive health care to Municipal School Children.**—Mobile Health Unit assisted the medical inspection branch by conducting medical examination in the Municipal schools and 47,169 children from 1 to 7 standards were medically screened.

(2) **Control of communicable diseases.**—A total number of 6,68,992 immunisation procedures against various communicable diseases were performed both in schools and field, as follows:—

Immunising agent	IMMUNISATION		
	In school	In field	Total
Polio ... ..	...	973	973
Triple Vaccine ... ..	...	785	785
Dip-Tetanus	35,853	372	36,225
T. A. B.	1,53,868	42,367	1,96,235
Cholera	1,53,868	41,922	1,95,790
Small-pox	1,27,426	1,11,558	2,38,984
Total	4,71,015	1,97,977	6,68,992

(3) **Health drives and Family Planning.**—In addition to general health education and mass immunisation programmes, 46 health drives were organised in mills, etc., 6 information-cum-distribution centres with vasectomy operations have been started in co operation with Western and Central Railways and 2 more such centres are conducted at Nana chowk and Worli. Information-cum guidance centres were organised at Jaycee Miniland, Churchgate and International Tourist Fair. Lectures by eminent speakers, free film shows, distribution of contraceptive devices, distribution of literature on family planning, through qualified doctors were carried out at these centres.

(4) **Training of medical and para medical personnel.**—415 interns from the City Medical Colleges were trained in urban health practice.

(5) **Special efforts for community, taking comprehensive health care and family planning to slum areas** were made.

IV.—MEDICAL RELIEF

Municipal General Hospital.—The public health department conducted four small general hospitals in the suburbs and extended suburbs.

Free Dispensaries.—The number of new cases treated at the 59 dispensaries and 11 mobile dispensaries was 15,57,709 as against 17,07,507 in 1966. The total attendance was as 63,15,000 against 64,95,506 in 1966 including visits by the dispensary Medical Officers to patients at their homes.

Clinics for women and children were conducted by three part-time Lady Doctors at 6 Municipal dispensaries for two hours thrice a week. The number of new cases treated was 2917 (2659 women and 258 children) as against 2264 in 1966. The total attendance was 18,568. These figures include visits by the Lady Doctors to patients at their homes. At the 27 Maternity and Child Welfare Clinics 125446 new cases (81170 women and 44276 children) were treated. The total attendance was 350075.

Eye Hospital at Kamathipura.—This Ophthalmic Hospital is known as Municipal Eye Hospital Kamathipura, situated at the junction of Bapty Road and Trimbak Parshuram Street, Eombay 8. It is headed by the part-time Superintendent and has on its establishment, 8 honoraries who attend on the alternate days. Two Assistant Medical Officers assist the superintendent in the Clinical and administrative work. The In patients Department at this hospital is closed from 1st September 1967 on account of construction of an additional floor over the present structure and only the Out-patients Department is being conducted in the premises abutting on Maulana Chhaukatalli Road, adjacent to this hospital between 7-30 A.M. to 1-00 P. M. The Hospital has an accommodation of 20 beds for males and 20 beds for females with an Operation Theatre.

Total number of new cases treated at this hospital was 27,563 as against 26,254 in 1966, the total attendance was 1,27,161 as against 92,826 in 1966. The number of Indoor Patients amongst the new cases and amongst the total attendance were 739 and 7,449 respectively.

The Medico-Social Unit which was established in April 1957 at Kherwadi, Bandra, by appointing a Medico Social Worker, in order to carry out an integrated practice of medicine based on the family and community as Unit continued working. The medical personnel specialising in different fields of medicines and working at the Kherwadi Family and Community Health Centre, a Voluntary Social organisation, rendered honorary services at our Unit.

Ambulance Services.—Ambulances were stationed at the two Central Places, viz. one at the Municipal Maternity Home at Andheri on the West and the other at the dispensary at Rajawadi, Chhatkopar on the East. The ambulances under the Fire Brigade also attended to medical, maternity and accidental cases. The ambulances and hearses under Assistant Engineer (Transport) removed cases of infectious diseases and dead bodies respectively.

V.—HEALTH PROPAGANDA AND EDUCATION

The health propaganda and education was carried out through the Public Relations Department.

VI.—MUNICIPAL LABORATORY

The Laboratory received 27,798 samples as against 32,340 in the preceding year. Categorywise, they arrange themselves into the following groups:—

I: *Chemical Examination*:—

1. Food (i) Prevention of Food Adulteration Act	10,353
(ii) Other than P. F. A. Act	1,134
2. Water samples	905
3. General Stores	109
4. Water Works Department ... ..	...
5. Hospitals	398
6. Miscellaneous	792
	13,691
<i>II.—Bacteriological Examination.—</i>	
1. Water (i) From City and Suburbs	11,601
(ii) From Bombay Port Trust area	418
2. Disinfectants	21
3. Foods	1,985
	14,025
<i>III.—Clinical Examination.—</i>	
1. Urine	17
2. Blood—for general examination	4
3. Stools	4
4. Semen	57
	82

The water sampling programme continued as usual and samples were collected daily (except on Sundays) from all the wards, the sampling points in each ward being changed on successive days, in a fortnight

15 Milk samples were examined from the Government milk distribution centres. They included 4 of toned milk and 11 of whole milk.

The Municipal Analyst attended courts in the City on several occasions to give evidence in 17 cases under the Prevention of Food Adulteration Act and Bombay Municipal Corporation Act. The additional Public Analyst attended courts on 22 occasions to give evidence in the cases under the Prevention of Food Adulteration Act, 1954.

Chemical.—(1) Samples of food-stuffs examined chemically were 11,885. out of these, 10,353 were examined under the prevention of Food Adulteration Act, 1954.

(2) Of the 905 samples of water examined, 82 well water samples and 245 water samples collected from other sources were found to be unfit for potable purposes.

(3) 852 samples of different kinds such as soap, paints, varnishes, articles, of stationery (*i. e.* various kinds of inks and gums, drugs, chemicals, etc.), were received from different departments and from members of the public.

Bacteriological.—(1) Of the 12,019 samples of water from the city and suburbs examined, 114 well-water samples and 898 water samples collected from other sources were found to be unfit for potable purposes. From the Bombay Port Trust area, 418 samples were collected and none was found to be unfit for potable purposes.

(2) 21 samples of disinfectants were examined to determine the Rideal Walkar Co-efficient.

(3) Out of 2,006 samples of food-stuffs examined, 119 were found to be unfit for human consumption.

Clinical.—(1) Out of 17 samples of urine examined, 5 samples were received from private individuals and 12 from Municipal institutions.

(2) 4 samples of blood were examined.

(3) 61 samples of miscellaneous nature such as stool's semen, etc., were also examined.

VII.—KASTURBA HOSPITAL FOR INFECTICUS DISEASES

Dr. R. S. Deshpande, M.B.B.S., D.P.H. Assistant Medical Officer, continued to be in full charge of the administrative work of the Medical Superintendent, in addition to his own throughout the year.

The Honorary Physicians who were appointed in 1964 continued to visit the Hospital twice a week.

The Laboratory was manned by Dr. D. V. Antani throughout the year, Dr. R. K. Batliwala and Dr. K. N. Vaidya continued as Part-time Pathologists.

The consulting Honorary Staff of 13 Specialists also was attached to the Hospital.

Admissions.—During the year 27,911 patients suffering from various acute Infectious and Communicable diseases except Tuberculosis and Leprosy were admitted in the Hospital as against 26,461 during the previous year. They included 2,380 of Small-pox, 523 of Enteric Fever and 1,849 of Diphtheria.

The daily average number of patients was 614. The fatality rate in the total admissions was 7.0 per cent.

The Hospital had a total of 680 beds in 30 wards.

Small pox.—In a total of 2380 cases admitted in the hospital, 990 died giving a case fatality rate of 41.2 per cent. Excluding 353 deaths which occurred within 48 hours of admission of cases in a moribund condition, the case fatality rate was 22.6 per cent. only. March 1967 was the month of heaviest admissions. Administration of broad spectrum antibiotics and steroids did not have the uniform effect in respect of clinical course of illness, but had encouraging results as far as the control of incidence of secondary complications was concerned.

Diphtheria.—The total number of cases admitted during the year was 1,849 excluding 3082 cases found negative on laboratory investigations. Out of these, 112 proved fatal. The case fatality rate was 6.0 per cent. Excluding the 65 moribund cases that died within 48 hours of admission, the case fatality rate was 2.5 per cent. The operation of Tracheotomy was required to be performed at this hospital in 33 cases of Diphtheria with Laryngeal Obstruction, 14 of whom succumbed to the disease. One case was transferred to this hospital from other institution after tracheotomy operation, which succumbed to the disease. Cases were admitted from all parts of the City, predominantly from Byculla, Parel, Lalbaug, Matunga and Girgaum localities.

Broad spectrum antibiotic Viz.—Erythromycin along with steroids particularly Hydro-Cortisone Dexamethasone were administered in secondary laryngeal and 'Bull's neck' variety of cases with severe toxæmia. These antibiotics and Steroids helped to reduce the fatality rate of the disease which is mainly due to Myocarditis.

The highest incidence of the disease was in the age group of 2-5 years. The youngest patient admitted was a male child aged one month and the same was discharged cured. The oldest patient was a male aged 56 years, who expired.

At the immunisation centre established at the Hospital premises for immunising contacts and visitors against infectious diseases, 6,541 persons were immunised against Diphtheria, 8,657 against enteric fever, 8,657 against Cholera and 36,479 against Small-pox.

Enteric Fever.—Admissions during the year numbered 523 as against 414 during the previous year. All these cases were confirmed by Widal Test in rising titre and/or by isolation of organisms from clot culture. August was the peak month for admissions. Meningeal symptoms developed in 25 cases and 20 cases had a relapse. Signs of intestinal perforation were detected in 6 cases which were transferred to the General Hospital for further treatment.

9 cases proved fatal, giving a case fatality rate of 1.7 per cent. Excluding 1 death which occurred among cases admitted in a moribund condition and within 48 hours of their admission, the case fatality rate was 1.5 per cent.

Special treatment.—The trial of new drug "Trimethoprim Gantazol" financed by Messrs. Burrough Wellcome and Co. Ltd., against Typhoid carriers were carried out since July 1967 onwards till the end of the year and it is proposed to continue these trials in the year 1968.

Incidence of Enteric Fever was highest in the age group of 21 to 30 years. The youngest patient admitted was a male child of 10 months who was cured and the oldest a male of 54 years who expired.

Cholera and Plague.—There was no incidence of Cholera and Plague during the year.

C. S. Fever.—There were 4 cases of C. S. Fever admitted in the Hospital and all cases were discharged cured. Out of these 4 cases, one was a male child and the remaining three were adult females.

Anterior Poliomyelitis.—154 cases of Poliomyelitis were admitted, 20 of bulbar variety, 130 of spinal variety and 4 of spino-bulbar variety. 25 cases proved fatal, of whom 2 belonged to spinal variety, 19 to bulbar variety and 4 to Spino-bulbar variety. All these deaths were due to respiratory paralysis.

Whooping cough.—39 cases were treated for Whooping cough, out of whom 2 died due to Bronchopneumonia and/or Encephalitis as complications.

Infective Hepatitis.—Out of 1,250 cases, 54 proved fatal, and all deaths were due to hepatic coma, 22 were admitted in a moribund condition and died within 48 hours of admission.

Other diseases.—Of the 746 cases of Measles, 577 of Mumps and 1,685 of Chickenpox admitted, 30 of measles and 24 of chickenpox proved fatal. Majority of the cases were from Children's Homes, Convents, etc. The deaths were generally due to the complications of Broncho-pneumonia and/or Encephalitis.

Research Work.—Fortnightly meetings with the Honorary Physicians, Part-time Physicians and Pathologists were held in the office of the Medical Superintendent to discuss the problems of medical relief work and research thereof. During the year, the following papers were published:—

- (1) *Haemorrhagic Smallpox*: Published in J. J. Group of Hospitals Journal.
- (2) *Infective Hepatitis*: A clinical study of 200 cases by Dr. S. A. Kamat and Dr. R. S. Deshpande
- (3) *Barbarine in Cholera*: By Dr. S. A. Kamat and Dr. R. S. Deshpande.

Papers on Infective Hepatitis, Clinical trials with Barbarine Hydrochloride for the control of Diarrhoea in Acute Gastro-Enteritis by Dr. S. A. Kamat and Dr. R. S. Deshpande, read at the 7th Annual Conference of Indian Society of Gastro-Enteritis in Bombay.

Other Activities.—The World Health Organisation through its South-East Asia Regional Organisation Office in New Delhi requested that the training course on the Management of Infectious Diseases Hospitals be held in Bombay from 27th November 1967 to 10th December 1967. Accordingly Dr. R. S. Deshpande inaugurated the Training Course on 27th November 1967 and the workshop established at Kasturba Hospital was attended by the Medical Superintendents and the Matrons of the Hospitals in India, Nepal and Ceylon. The Training given to these Medical Officers from different parts of the country was highly appreciated by W. H. O. Consultants and experts like Dr. Donets and Dr. Falisevac amongst the others.

Paving beds.—The paving beds which were started in November 1966 were continued to be taken advantage of in large numbers by the members of the Public.

Clinical Laboratory.—The number of investigations carried out in the Laboratory was 64,840 and blood transfusion done were 384.

The Welfare Centre.—The Welfare centre for the labour staff carried out its activities satisfactorily. The works Committee was not held for want of agenda from the labour unions. 8 Peshi Committee meetings were held during the year.

Teachings.—Instructions in Infectious Diseases were imparted to 708 M.B.B.S., D.A.S.F., Homeopath and 31 postgraduate students preparing for the examination of D.C.H. (Diploma in Child Health) and Diploma in Public Health. Student Nurses, Nurses, Health Visitors, etc., from different institutions in Bombay also received instructions in nursing management of Infectious Diseases and Infectious Diseases Hospital. 415 Interns were given training in Infectious Diseases.

Members of the medical staff took advantage of the medical library and the recreation facilities provided at the Hospital.

Blood Transfusion.—Instead of supplying donors, sealed bottles containing blood of different groups were supplied by the Bombay City Red Cross Blood Transfusion service which were stored in the Laboratory at this Hospital so that blood was available for transfusion at any time.

Nurses Welfare Fund.—The total amount received during the year was Rs. 2,600 as subscription from the members of the nursing staff, the balance at the end of the year being Rs. 2,121.19.

Expenditure.—The total expenditure during the year was Rs. 37,80,465 as against Rs. 32,25,538 during the previous year.

VIII.—VACCINATION.

The incidence of Smallpox was very high in the beginning of the year. The vaccination drive on mass scale was continued throughout Greater Bombay. There were 140 Vaccinators including 100 appointed on temporary basis. The additional 100 vaccinators were posted in selected pockets where the incidence of Smallpox was very high. They carried out house to house enumeration. The total number of enumerations done during the year was 17,59,568 and number of door to door vaccinations done was 4,43,299. In addition to the above additional staff sanitary staff of medical institutions including maternity homes and hospital staff were mobilised for smallpox vaccination work. Mobile units were also directed to interior villages for smallpox campaign where Municipal dispensaries are not within the reach of the residents of those places.

During the year 47,44,375 persons were vaccinated of whom 1,97,444 were primary vaccinations and 45,47,431 were revaccinations; Of the children primary vaccinated 1,66,377 were Bombay-born.

Out of 84 permanent public Vaccination Stations, 7 functioned daily, 8 twice a week and the remaining for 2½ hours a week by rotation. On an average 19 permanent public vaccination stations functioned every day.

The results of the vaccination done were verified by inspecting the children brought to the Vaccination station on the 8th day of the Vaccination Operation.

No certificates of postponement of vaccination were issued by medical practitioners on grounds of ill-health during the year.

No case of complication due to vaccination except cases of tetanus were reported after vaccination. The latter were found on investigation to be due to negligence of instructions given to the parents. They applied foreign material despite instructions given to them.

During the year, 632 Medical Students and 84 Students attending Sanitary Inspectors' course conducted by the Local Self Government institute and the Public Health Inspectors' classes were imparted the theoretical instructions and practical training in Vaccination.

6,337 pilgrims proceeding to Haj during the year were vaccinated and they were issued certificates in International forms.

Dr. R. B. FONDEKAR,
M. B., B. S., B. Hy.,
Executive Health Officer,

TABLE 1
METEOROLOGICAL DATA (Government Observatory, Colaba) LATITUDE 18°-53'-36" NORTH LONGITUDE 72°-48'-56" EAST.

Months	WIND			TEMPERATURE (°C)						Mean Barometric Pressure (in Millibars)		Mean Relative Humidity (in percent).		RAIN FALL						
	Mean direction		Mean speed in Km per hour at 0830 hours I.S.T.	Mean maximum temperature	Departure from normal	Highest in the month	Mean Minimum temperature	Departure from normal	Lowest in month	At 0830 hours I.S.T.	At 1730 hours I.S.T.	At 0830 hours I.S.T.	At 1730 hours I.S.T.	Total rain fall for the month (mms.)	Departure from normal (mms.)	Highest fall in one day		Minimum fall in one day*		No. of rainy days
	At 0830 hours I.S.T.	At 1730 hours I.S.T.														Mms.	Date	Mms.	Date	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
1967																				
January	NE	N32W	5.2	29.0	+0.6	34.4	18.6	-0.7	14.7	1014.4	1011.6	67	61	0.0	-4.1	...	...	...	...	Nil
February	N 41 E	N 32 W	5.8	30.7	+2.3	34.7	20.4	+0.7	18.0	1013.2	1010.0	68	57	0.0	-2.0	...	...	...	...	Nil
March	N 78 E	N 57 W	7.6	31.1	+1.0	34.5	23.5	+1.3	21.4	1011.6	1008.5	75	64	Trace	-1.5	...	...	...	...	Nil
April	N 18 E	N 58 W	6.9	32.5	+0.8	34.9	25.3	+0.8	23.1	1010.5	1007.1	72	66	Trace	-1.5	...	...	...	...	Nil
May	S 66 W	N 65 W	8.3	33.5	+0.7	34.4	26.9	+0.5	24.5	1007.7	1004.9	71	66	0.0	-18.3	...	...	...	...	Nil
June	S 45 W	S 74 W	10.3	31.5	+0.1	34.8	25.9	+0.0	21.8	1005.0	1002.8	80	76	794.7	+329.9	105.8	25	0.0	12	18
July	S 60 W	S 72 W	15.4	29.5	-0.2	31.9	25.2	+0.4	23.6	1003.1	1001.5	87	83	974.6	+361.2	179.7	29	0.0	15	30
August	S 67 W	S 73 W	17.0	29.7	+0.3	30.7	25.0	+0.5	23.5	1005.3	1003.8	85	82	299.2	-29.7	98.7	2	Trace	13	30
September	S 60 W	N 84 W	10.7	30.6	+0.9	31.5	24.8	+0.5	23.3	1008.8	1006.5	83	78	204.5	-81.5	38.2	22	0.0	7	23
October	N 78 E	N 46 W	7.9	32.2	+0.6	35.6	24.8	+0.6	22.4	1011.9	1008.9	82	71	72.0	+7.5	48.5	1	0.0	27	4
November	N 69 E	N 48 W	9.0	32.6	+0.7	35.3	22.6	+0.1	21.0	1013.7	1010.6	75	62	0.0	-17.5	...	...	...	...	Nil
December	N 49 E	N W	7.2	29.6	-0.7	33.3	22.0	+1.6	23.1	1013.9	1011.2	82	69	28.0	+25.7	19.7	16	0.0	27	4

Total rain-fall during the year 2373.0 mm.

Departure from normal +568.2mm

Note:—A rainy day is one with 0.1 mm of rain or more

LATITUDE: 18°-53'-36" NORTH

TABLE 2

NORTH LONGITUDE 72°-48'-56" EAST

METEOROLOGICAL DATA GOVERNMENT OBSERVATORY SANTACRUZ

Months.	WIND.		TEMPERATURE. (°C)							MEAN BAROMETRIC PRESSURE (IN MILLIBARS) STATION LEVEL CORRECTED TO 285° ABSOLUTE		MEAN RELATIVE HUMIDITY (in %)		RAINFALL.						
	Mean Direction.		Mean Speed in Kms per hour at 0830 hrs. I.S.T.	Mean maximum temperature.	Departure from normal.	Highest in the month.	Minimum temperature (Mean.)	Departure from normal.	Lowest in month.	At 0830 hrs. I.S.T.	At 1730 hrs. I.S.T.	At 0830 hrs. I.S.T.	At 1730 hrs. I.S.T.	Total rainfall for the month (in Millimeters)	Departure from normal. (mm.)	Highest fall in one day.		Minimum fall in one day.		Number of rainy days. (2.5 mms. or more)
	At 0830 hrs. I.S.T.	At 1730 hrs. I.S.T.														Mm.	Date.	Mm.	Date.	
1967.																				
January	N 69 E	N 31 W	4.6	30.5	-0.1	35.2	15.9	-0.4	10.2	1012.8	1010.0	54	45	0.0	-0.1	0.0	...	0.0	...	Nil
February	N 79 E	N 34 W	1.9	33.3	+1.7	36.2	17.8	+0.9	15.8	1011.7	1008.3	52	39	0.0	-0.8	0.0	...	0.0	...	Nil
March	N 86 E	N 55 W	3.6	32.3	-0.5	37.1	21.7	+1.5	18.2	1001.1	1006.8	68	55	Trace	-0.1	Trace	25	0.0	...	Nil
April	N 56 E	N 51 W	6.3	34.2	+0.9	40.9	23.9	+0.1	20.0	1008.9	1005.3	65	55	Trace	-0.3	Trace	2	0.0	...	Nil
May	S 85 W	N 74 W	7.7	33.9	+0.7	38.1	26.1	-0.1	23.2	1006.1	1003.3	67	61	Trace	-20.4	Trace	21	0.0	...	Nil
June	S 41 W	S 70 W	11.7	31.8	-0.1	35.1	25.5	-0.4	22.0	1003.4	1001.1	79	75	664.9	+73.8	99.7	19	0.0	1,2,3,4,6,7,8,9,10,11,12,13,15	16
July	S 67 W	S 74 W	19.5	29.4	+0.2	31.3	24.8	0.	22.0	1001.5	999.7	87	83	962.2	+14.8	201.1	29	Trace	12	28
August	S 73 W	S 73 W	9.2	29.3	+0.2	33.1	24.7	+0.3	23.7	1003.5	1002.0	85	83	316.5	-12.5	60.3	29	0.0	13	29
September	S 22 W	N 78 W	9.0	30.1	+0.2	31.5	24.2	+0.3	22.4	1007.1	1004.8	87	79	203.2	-128.1	44.1	28	0.0	5,16,27,30	21
October	N 85 E	N 43 W	4.1	33.5	+0.9	36.9	22.7	-0.2	18.4	1010.7	1007.3	74	65	13.1	-89.9	4.4	18	0.0	...	3
November	N 8 E	N W	12.1	33.8	+0.7	35.2	19.6	-0.2	17.9	1012.2	1009.1	60	52	0.0	-6.2	0.0	...	0.0	...	Nil
December	N 58 E	N W	4.2	30.8	-1.3	34.1	20.2	+2.5	17.4	1012.4	1009.6	76	65	55.7	+54.9	31.4	12	0.0	...	4

Note:—(1) 't' denotes rainfall less than 0.1. m.m. (2) Rainy day:—A day on which 0.3 m.m. or more of rain is recorded.

TABLE 3
VITAL STATISTICS (1900 to 1967)

	Year	Births	Rate	Deaths	Rate	Infant Mortality.	Rate	Maternal Mortality.	Rate
Old city limits	1900	12,688	15.4	79,350	96.6	13,492	533.5	237	16.1
	1910	19,939	20.4	34,933	35.7	8,253	413.9	394	18.3
	1920	19,731	20.1	45,839	46.8	10,896	552.2	427	21.6
	1930	25,329	19.5	27,552	21.2	7,506	296.3	189	6.9
	1940	38,833	33.4	29,100	25.0	7,823	201.4	166	4.0
	1950	60,597	26.0	34,285	14.7	9,191	151.6	109	1.7
Greater Bombay	1959	1,10,273	24.3	37,006	8.2	10,188	92.4	135	1.2
	1960	1,07,383	23.7	40,484	8.9	10,221	95.2	155	1.4
	1961	1,16,337	25.6	43,117	9.5	11,160	95.1	221	1.9
	1962	1,21,305	26.7	39,551	8.7	10,195	83.2	233	1.9
	1963	1,31,831	29.1	40,650	8.9	10,677	80.9	147	1.1
	1964	1,32,592	29.2	45,161	9.9	11,355	85.6	133	1.0
	1965	1,42,781	30.7	54,223	11.7	13,739	96.2	163	1.1
	1966	1,47,986	30.9	50,492	10.6	12,660	85.5	159	1.1
1967	1,53,230	31.3	56,701	11.6	14,118	92.1	115	0.7	

TABLE 4
BIRTHS BY MONTHS 1966-1967.

Year	MONTHS												Total
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1966	10,135	10,836	10,224	9,776	9,527	10,950	10,903	11,954	14,022	15,762	15,134	18,763	1,47,986
1967	11,047	10,246	10,291	10,381	10,824	11,613	11,558	12,829	15,054	15,657	14,275	19,455	1,53,230

TABLE 5
PERCENTAGE TO THE TOTAL MORTALITY BY THE AGE PERIODS IN 1965, 1966 AND 1967.

Age period.	1965		1966		1967			Percentage to total mortality.
	Deaths	Percentage to total mortality.	Deaths	Percentage to total mortality.	Males.	Females.	Persons.	
Under one year ...	13,739	25.3	12,660	25.1	7,443	6,675	14,118	24.9
1 to 4 years ...	8,025	14.8	5,994	11.9	3,846	4,434	8,280	14.6
5 to 14 years ...	2,694	4.9	2,104	4.2	1,494	1,284	2,778	4.9
15 to 24 years ...	3,115	5.7	2,645	5.2	1,846	1,315	3,161	5.6
25 to 44 years ...	7,580	13.9	7,538	14.9	5,175	2,934	8,109	14.3
45 to 64 years ...	8,907	16.4	9,137	18.1	6,986	2,716	9,702	17.1
65 to 74 years ...	4,502	8.8	4,721	9.3	3,039	1,739	4,778	8.4
75 and over	5,575	10.2	5,690	11.3	2,763	3,012	5,775	10.2
Age unspecified	6	...	3	...	...	...	...	...
Total	54,223	100.00	50,492	100.00	32,592	24,109	56,701	100.00

TABLE 7
Deaths by Ages and Months

Age period Months.	Under one day	1 day.	2 days.	3 days.	4 days.	5 days.	6 days.	7-13 days.	14-20 days.	21-27 days.	28 days to 2 months.	2 months.	3 months.	4 months.	5 months.	6 months.	7 months.	8 months.	9 months.	10 months.	11 months.	TOTAL
January ...	113	71	47	46	34	25	25	120	82	28	106	79	50	33	32	37	21	31	18	32	22	1,052
February...	142	56	59	43	29	17	10	100	85	40	83	84	58	55	35	56	28	35	32	29	32	1,108
March ...	144	37	46	38	30	17	17	92	62	40	122	108	83	70	53	109	65	46	55	54	36	1,324
April ...	130	43	40	31	26	27	10	93	68	22	133	95	88	91	88	96	63	54	53	52	43	1,346
May ...	131	63	33	24	21	23	20	84	42	21	96	72	84	58	49	101	52	57	55	54	41	1,181
June ...	143	46	52	33	25	30	24	114	63	29	96	53	58	50	56	68	31	51	55	38	27	1,142
July ...	195	78	66	45	23	32	29	123	58	40	91	80	52	42	40	80	53	47	35	46	35	1,290
August ...	188	55	38	55	46	45	27	137	70	33	104	65	65	42	50	82	40	60	31	42	46	1,321
September.	180	66	55	58	39	33	32	140	79	43	109	63	49	46	34	46	48	31	42	36	37	1,266
October ...	165	54	63	55	30	34	27	140	86	33	99	49	41	35	26	38	26	27	32	40	18	1,118
November	124	64	55	48	29	28	24	127	77	30	84	58	34	23	30	34	18	22	21	24	26	980
December.	111	61	49	62	32	39	34	97	67	36	104	59	42	28	24	34	15	28	15	29	24	990
Total ...	1,766	694	603	538	364	350	279	1,367	839	395	1,227	865	704	573	517	781	460	489	444	476	387	14,118

Table No. 8
Deaths by ages and Months.

Age period Months.	Under 1 year	1-4 years	5-14 years.	15-24 years.	25-44 years.	45-64 years.	65-74 years.	75 years and over	Ages unspecified	Total All ages.	Average of five years (1962-66).
January	1652	519	217	228	601	747	395	526	...	4285	3637
February	1108	734	272	305	687	841	454	517	...	4918	3599
March	1324	1117	367	381	823	828	435	512	...	5787	3891
April	1346	1085	293	319	742	810	409	421	...	5425	3825
May	1181	925	277	313	715	768	355	474	...	5008	3785
June	1142	660	219	246	638	706	359	373	...	4343	3621
July	1290	639	213	244	662	820	394	467	...	4729	4149
August	1321	649	198	242	658	835	407	587	...	4897	4027
September	1266	571	178	218	670	838	401	568	...	4650	4104
October	1118	500	195	222	649	814	377	494	...	4369	3845
November	980	436	164	230	635	810	391	447	...	4039	3571
December	990	445	185	213	629	885	401	449	...	4197	3911
Total	14118	8280	2778	3161	8109	9702	4778	5775	...	56701	46015

TABLE 9
DEATHS AND DEATH RATES FROM EPIDEMIC AND PRINCIPAL CAUSES

Causes of Death	Average of years (1962-66)		1966		1967	
	Deaths	Death-rate	Deaths	Death-rate	Deaths	Death-rate
<i>Principal Epidemic Diseases</i>						
Smallpox	352	0.1	141	0.0	1,007	0.2
Measles	238	0.0	163	0.0	471	0.1
Plague	...	...	...	...	...	...
Enteric Fever	67	0.0	74	0.0	19	0.0
Malarial Fever	...	...	...	...	...	...
Influenza	14	0.0	5	0.0	3	0.0
Cholera	...	...	...	...	...	...
Dysentery	271	0.1	237	0.1	337	0.1
Diphtheria	102	0.0	124	0.0	113	0.0
<i>Other Principal Diseases</i>						
Tuberculosis	3,603	0.7	4,726	0.9	5,150	1.1
Meningococcal Infection	1	0.0	1	0.0	...	...
Diseases of the Nervous System	1,290	0.3	1,376	0.3	1,564	0.3
Diseases of the Respiratory System	6,939	1.4	7,921	1.7	11,535	2.4
Diarrhoea and Enteritis	2,568	0.5	3,562	0.7	3,592	0.7
Puerperal State	126	0.0	159	0.0	115	0.0
Congenital Debility and Diseases of early Infancy.	5,285	1.1	6,752	1.4	5,625	1.1
Senility without mention of Psychosis	3,040	0.6	2,988	0.6	3,805	0.8
Violence	2,690	0.6	3,404	0.7	3,337	0.7
Other Causes	14,690	2.9	18,809	3.9	20,028	4.1
Total	41,276	8.4	50,492	10.6	56,701	11.6

TABLE-10
DEATHS BY MONTHS—1966-1967

Period.	MONTHS.												Total
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
1966	3,955	3,915	3,973	3,867	4,014	3,689	4,604	4,674	4,961	4,413	3,963	4,464	50,492
1967	4,285	4,918	5,781	5,425	5,038	4,343	4,729	4,877	4,650	4,369	4,693	4,197	56,701

TABLE 11

DEATHS by Wards and Causes in Greater Bombay

CLASSIFICATION NUMBER	WARDS	CAUSES																				TOTAL	DISTRICT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17(a)	B17(b)	B17(c)	B17(d)			B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40	B41	B42	B43(a)	B43(b)	B44	B45(a)	B45(b)	B46	B47	B48	B49	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60	B61	B62	B63	B64	B65	B66	B67	B68	B69	B70	B71	B72	B73	B74	B75	B76	B77	B78	B79	B80	B81	B82	B83	B84	B85	B86	B87	B88	B89	B90	B91	B92	B93	B94	B95	B96	B97	B98	B99	B100	B101	B102	B103	B104	B105	B106	B107	B108	B109	B110	B111	B112	B113	B114	B115	B116	B117	B118	B119	B120	B121	B122	B123	B124	B125	B126	B127	B128	B129	B130	B131	B132	B133	B134	B135	B136	B137	B138	B139	B140	B141	B142	B143	B144	B145	B146	B147	B148	B149	B150	B151	B152	B153	B154	B155	B156	B157	B158	B159	B160	B161	B162	B163	B164	B165	B166	B167	B168	B169	B170	B171	B172	B173	B174	B175	B176	B177	B178	B179	B180	B181	B182	B183	B184	B185	B186	B187	B188	B189	B190	B191	B192	B193	B194	B195	B196	B197	B198	B199	B200	B201	B202	B203	B204	B205	B206	B207	B208	B209	B210	B211	B212	B213	B214	B215	B216	B217	B218	B219	B220	B221	B222	B223	B224	B225	B226	B227	B228	B229	B230	B231	B232	B233	B234	B235	B236	B237	B238	B239	B240	B241	B242	B243	B244	B245	B246	B247	B248	B249	B250	B251	B252	B253	B254	B255	B256	B257	B258	B259	B260	B261	B262	B263	B264	B265	B266	B267	B268	B269	B270	B271	B272	B273	B274	B275	B276	B277	B278	B279	B280	B281	B282	B283	B284	B285	B286	B287	B288	B289	B290	B291	B292	B293	B294	B295	B296	B297	B298	B299	B300	B301	B302	B303	B304	B305	B306	B307	B308	B309	B310	B311	B312	B313	B314	B315	B316	B317	B318	B319	B320	B321	B322	B323	B324	B325	B326	B327	B328	B329	B330	B331	B332	B333	B334	B335	B336	B337	B338	B339	B340	B341	B342	B343	B344	B345	B346	B347	B348	B349	B350	B351	B352	B353	B354	B355	B356	B357	B358	B359	B360	B361	B362	B363	B364	B365	B366	B367	B368	B369	B370	B371	B372	B373	B374	B375	B376	B377	B378	B379	B380	B381	B382	B383	B384	B385	B386	B387	B388	B389	B390	B391	B392	B393	B394	B395	B396	B397	B398	B399	B400	B401	B402	B403	B404	B405	B406	B407	B408	B409	B410	B411	B412	B413	B414	B415	B416	B417	B418	B419	B420	B421	B422	B423	B424	B425	B426	B427	B428	B429	B430	B431	B432	B433	B434	B435	B436	B437	B438	B439	B440	B441	B442	B443	B444	B445	B446	B447	B448	B449	B450	B451	B452	B453	B454	B455	B456	B457	B458	B459	B460	B461	B462	B463	B464	B465	B466	B467	B468	B469	B470	B471	B472	B473	B474	B475	B476	B477	B478	B479	B480	B481	B482	B483	B484	B485	B486	B487	B488	B489	B490	B491	B492	B493	B494	B495	B496	B497	B498	B499	B500	B501	B502	B503	B504	B505	B506	B507	B508	B509	B510	B511	B512	B513	B514	B515	B516	B517	B518	B519	B520	B521	B522	B523	B524	B525	B526	B527	B528	B529	B530	B531	B532	B533	B534	B535	B536	B537	B538	B539	B540	B541	B542	B543	B544	B545	B546	B547	B548	B549	B550	B551	B552	B553	B554	B555	B556	B557	B558	B559	B560	B561	B562	B563	B564	B565	B566	B567	B568	B569	B570	B571	B572	B573	B574	B575	B576	B577	B578	B579	B580	B581	B582	B583	B584	B585	B586	B587	B588	B589	B590	B591	B592	B593	B594	B595	B596	B597	B598	B599	B600	B601	B602	B603	B604	B605	B606	B607	B608	B609	B610	B611	B612	B613	B614	B615	B616	B617	B618	B619	B620	B621	B622	B623	B624	B625	B626	B627	B628	B629	B630	B631	B632	B633	B634	B635	B636	B637	B638	B639	B640	B641	B642	B643	B644	B645	B646	B647	B648	B649	B650	B651	B652	B653	B654	B655	B656	B657	B658	B659	B660	B661	B662	B663	B664	B665	B666	B667	B668	B669	B670	B671	B672	B673	B674	B675	B676	B677	B678	B679	B680	B681	B682	B683	B684	B685	B686	B687	B688	B689	B690	B691	B692	B693	B694	B695	B696	B697	B698	B699	B700	B701	B702	B703	B704	B705	B706	B707	B708	B709	B710	B711	B712	B713	B714	B715	B716	B717	B718	B719	B720	B721	B722	B723	B724	B725	B726	B727	B728	B729	B730	B731	B732	B733	B734	B735	B736	B737	B738	B739	B740	B741	B742	B743	B744	B745	B746	B747	B748	B749	B750	B751	B752	B753	B754	B755	B756	B757	B758	B759	B760	B761	B762	B763	B764	B765	B766	B767	B768	B769	B770	B771	B772	B773	B774	B775	B776	B777	B778	B779	B780	B781	B782	B783	B784	B785	B786	B787	B788	B789	B790	B791	B792	B793	B794	B795	B796	B797	B798	B799	B800	B801	B802	B803	B804	B805	B806	B807	B808	B809	B810	B811	B812	B813	B814	B815	B816	B817	B818	B819	B820	B821	B822	B823	B824	B825	B826	B827	B828	B829	B830	B831	B832	B833	B834	B835	B836	B837	B838	B839	B840	B841	B842	B843	B844	B845	B846	B847	B848	B849	B850	B851	B852	B853	B854	B855	B856	B857	B858	B859	B860	B861	B862	B863	B864	B865	B866	B867	B868	B869	B870	B871	B872	B873	B874	B875	B876	B877	B878	B879	B880	B881	B882	B883	B884	B885	B886	B887	B888	B889	B890	B891	B892	B893	B894	B895	B896	B897	B898	B899	B900	B901	B902	B903	B904	B905	B906	B907	B908	B909	B910	B911	B912	B913	B914	B915	B916	B917	B918	B919	B920	B921	B922	B923	B924	B925	B926	B927	B928	B929	B930	B931	B932	B933	B934	B935	B936	B937	B938	B939	B940	B941	B942	B943	B944	B945	B946	B947	B948	B949	B950	B951	B952	B953	B954	B955	B956	B957	B958	B959	B960	B961	B962	B963	B964	B965	B966	B967	B968	B969	B970	B971	B972	B973	B974	B975	B976	B977	B978	B979	B980	B981	B982	B983	B984	B985	B986	B987	B988	B989	B990	B991	B992	B993	B994	B995	B996	B997	B998	B999	B1000	B1001	B1002	B1003	B1004	B1005	B1006	B1007	B1008	B1009	B1010	B1011	B1012	B1013	B1014	B1015	B1016	B1017	B1018	B1019	B1020	B1021	B1022	B1023	B1024	B1025	B1026	B1027	B1028	B1029	B1030	B1031	B1032	B1033	B1034	B1035	B1036	B1037	B1038	B1039	B1040	B1041	B1042	B1043	B1044	B1045	B1046	B1047	B1048	B1049	B1050	B1051	B1052	B1053	B1054	B1055	B1056	B1057	B1058	B1059	B1060	B1061	B1062	B1063	B1064	B1065	B1066	B1067	B1068	B1069	B1070	B1071	B1072	B1073	B1074	B1075	B1076	B1077	B1078	B1079	B1080	B1081	B1082	B1083	B1084	B1085	B1086	B1087	B1088	B1089	B1090	B1091	B1092	B1093	B1094	B1095	B1096	B1097	B1098	B1099	B1100	B1101	B1102	B1103	B1104	B1105	B1106	B1107	B1108	B1109	B1110	B1111	B1112	B1113	B1114	B1115	B1116	B1117	B1118	B1119	B1120	B1121	B1122	B1123	B1124	B1125	B1126	B1127	B1128	B1129	B1130	B1131	B1132	B1133	B1134	B1135	B1136	B1137	B1138	B1139	B1140	B1141	B1142	B1143	B1144	B1145	B1146	B1147	B1148	B1149	B1150	B1151	B1152	B1153	B1154	B1155	B1156	B1157	B1158	B1159	B1160	B1161	B1162	B1163	B1164	B1165	B1166	B1167	B1168	B1169	B1170	B1171	B1172	B1173	B1174	B1175	B1176	B1177	B1178	B1179	B1180	B1181	B1182	B1183	B1184	B1185	B1186	B1187	B1188	B1189	B1190	B1191	B1192	B1193	B1194	B1195	B1196	B1197	B1198	B1199	B1200	B1201	B1202	B1203	B1204	B1205	B1206	B1207	B1208	B1209	B1210	B1211	B1212	B1213	B1214	B1215	B1216	B1217	B1218	B1219	B1220	B1221	B1222	B1223	B1224	B1225	B1226	B1227	B1228	B1229	B1230	B1231	B1232	B1233	B1234	B1235	B1236	B1237	B1238	B1239	B1240	B1241	B1242	B1243	B1244	B1245	B1246	B1247	B1248	B1249	B1250	B1251	B1252	B1253	B1254	B1255	B1256	B1257	B1258	B1259	B1260	B1261	B1262	B1263	B1264	B1265	B1266	B1267	B1268	B1269	B1270	B1271	B1272	B1273	B1274	B1275	B1276	B1277	B1278	B1279	B1280	B1281	B1282	B1283	B1284	B1285	B1286	B1287	B1288	B1289	B1290	B1291	B1292	B1293	B1294	B1295	B1296	B1297	B1298	B1299	B1300	B1301	B1302	B1303	B1304	B1305	B1306	B1307	B1308	B1309	B1310	B1311	B1312	B1313	B1314	B1315	B1316	B1317	B1318	B1319	B1320	B1321	B1322	B1323	B1324	B1325	B1326	B1327	B1328	B1329	B1330	B1331	B1332	B1333	B1334	B1335	B1336	B1337	B1338	B1339	B1340	B1341	B1342	B1343	B1344	B1345	B1346	B1347	B1348	B1349	B1350	B1351	B1352	B1353	B1354	B1355	B1356	B1357	B1358	B1359	B1360	B1361	B1362	B1363	B1364	B1365	B1366	B1367	B1368	B1369	B1370	B1371	B1372	B1373	B1374	B1375	B1376	B1377	B1378	B1379	B1380	B1381	B1382	B1383	B1384	B1385	B1386	B1387	B1388	B1389	B1390	B1391	B1392	B1393	B1394	B1395	B1396	B1397	B1398	B1399	B1400	B1401	B1402	B1403	B1404	B1405	B1406	B1407	B1408	B1409	B1410	B1411	B1412	B1413	B1414	B1415	B1416	B1417	B1418	B1419	B1420	B1421	B1422	B1423	B1424	B1425	B1426	B1427	B1428	B1429	B1430	B1431	B1432	B1433	B1434	B1435	B1436	B1437	B1438	B1439	B1440	B1441	B1442	B1443	B1444	B1445	B1446	B1447	B1448	B1449	B1450	B1451	B1452	B1453	B1454	B1455	B1456	B1457	B1458	B1459	B1460	B1461	B1462	B1463	B1464

TABLE 12

Deaths among infants from Principal Causes by Age-period.

Age period	Small-pox	Measles	Malarial Fever	Diarrhoea and Enteritis	Dysentery	Congenital malformation and diseases of early infancy	Diseases of respiratory system	Convulsions	Poliomyelitis	Other causes	All causes	Percentage to the total of infant deaths	
Upto 7 days	...	...	2	...	52	2	3,173	390	11	...	964	4,594	32.5
1 to 4 weeks	...	6	2	...	320	4	1,084	736	3	...	446	2,601	18.4
Total under 4 weeks	6	4	...	372	6	4,257	1,126	14	...	1,410	7,195	50.9	
4 weeks to 6 months...	92	55	...	725	19	744	1,604	7	...	640	3,886	27.5	
6 to 12 months	...	76	78	...	542	23	224	1,447	3	6	638	3,037	21.5
Total	...	174	137	...	1,639	48	5,225	4,177	24	6	638	14,118	100.0

TABLE 13

Infant Mortality from Principal Causes (1962-1967)

Causes of death	1962	1963	1964	1965	1966	1962 to 1966 (A)	1967 (B)	Difference between (A) & (B)
Poliomyelitis	...	8	7	16	6	23	13	6 - 7
Small-pox	...	9	21	40	229	31	65	174 + 108
Measles	...	29	21	63	196	39	70	137 + 67
Malarial Fever
Diarrhoea and Enteritis	...	1,037	1,125	1,172	1,636	1,656	1,325	1,639 + 314
Dysentery	...	36	39	34	40	31	36	48 + 12
Congenital malformation and diseases of early infancy	...	5,335	5,608	6,020	5,877	5,317	5,631	5,225 - 406
Diseases of respiratory system	...	2,321	2,140	2,424	4,151	3,156	2,838	4,177 + 1,339
Convulsions	...	51	35	39	27	30	36	24 - 7
All causes	...	10,195	10,677	11,355	13,739	12,660	11,725	14,118 + 2,393

TABLE No. 14

Neonatal Death-Rates (1961-1967).

Year	Birth	Neonatal death	Rate	
1961	...	1,16,337	9,087	43.7
1962	...	1,21,305	5,167	42.6
1963	...	1,31,831	5,788	43.9
1964	...	1,32,592	6,050	45.6
1965	...	1,42,781	6,740	47.2
1966	...	1,47,986	7,066	47.7
1967	...	1,53,230	7,195	46.9

TABLE No. 15

Infant Deaths and other Deaths 1967.

Age Period	January	February	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Under one year.	1,052	1,108	1,324	1,346	1,181	1,142	1,290	1,321	1,266	1,118	980	990	14,118
One year and ... upwards.	3,233	3,810	4,463	4,079	3,827	3,201	3,439	3,576	3,384	3,251	3,113	3,207	42,583

TABLE No. 16

CASES OF NOTIFIABLE DISEASES REPORTED IN 1967

Wards	Cholera	Small-pox	Plague	Enteric Fever	Diphtheria	Typhus	Puerperal Fever	Tuberculosis	Leprosy	Relapsing Fever	Influenza	Spinal Fever	Acute anterior Poliomyelitis	Virus encephalitis	Scarlet Fever	Infective Hepatitis	Total
A	...	85	...	13	59	...	...	290	...	...	1	...	2	...	...	60	510
B	...	91	...	42	67	...	...	219	...	...	...	...	2	...	...	67	488
C	...	101	...	42	110	...	...	110	...	...	...	3	1	...	...	79	446
D	...	109	...	21	132	...	...	221	...	...	...	...	7	...	...	53	543
E	...	652	...	124	348	...	...	542	...	...	...	1	33	...	...	292	1,992
F	...	384	...	86	235	...	...	705	33	...	3	...	18	...	...	181	1,645
G	...	306	...	115	287	...	...	520	...	...	1	...	36	...	...	236	1,501
H	...	220	...	38	130	...	...	73	...	...	...	...	16	...	...	104	581
K	...	131	...	29	114	...	...	111	...	...	...	...	18	...	...	50	453
L	...	88	...	13	70	...	...	96	...	...	...	...	9	...	...	41	317
M	...	121	...	14	64	...	...	93	...	...	...	...	5	...	...	54	351
N	...	148	...	27	86	...	...	148	...	...	...	...	12	...	...	82	503
P	...	109	...	14	101	...	...	132	...	...	...	...	10	...	...	33	399
R	...	24	...	4	32	...	...	70	...	...	...	...	2	...	...	1	142
T	...	11	...	2	14	...	...	60	...	...	...	...	1	...	...	17	105
Total	...	2,580	...	584	1,849	...	...	3,390	33	...	5	4	172	...	...	1,359	9,976

TABLE 17

REPORTED DIPHTHERIA CASES BY MONTHS IN 1967

Disease	MONTHS												Total
	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Diphtheria	162	150	116	111	112	138	133	137	192	201	196	201	1,849

TABLE 18

REPORTED CASES OF ENTERIC FEVER BY MONTHS IN 1967

Disease	MONTHS												Total
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Enteric Fever	28	18	10	10	26	45	44	102	126	77	65	33	584

TABLE 19

TUBERCULOSIS—DEATH-RATE

Period	Annual Death-rate		
	Pulmonary	Other forms	All forms
1962-1966 (Average).	0.7	0.2	0.9
1962	0.6	0.2	0.8
1963	0.6	0.2	0.9
1964	0.7	0.2	0.9
1965	0.7	0.2	0.9
1966	0.8	0.2	0.9
1967	0.9	0.1	1.1

TABLE 20

TUBERCULOSIS DEATHS BY SEX

Year	Deaths from pulmonary T.B.	Deaths from T.B. (other forms)	Total no. of deaths	Males	Females	Death Rate
1966	3,952	774	4,726	3,148	1,578	0.9
1967	4,500	650	5,150	3,440	1,710	1.1

TABLE 21

WARD WISE MALARIA POSITIVE CASES WITH THEIR SPECIES AND CLASSIFICATION

Ward	No. of positive cases	Malaria Parasities				Epidemiological classification				
		v	f	m	mixed	Induced	Imported	Relapsed	Indi- geneous	Un- traced
A	11	10	1	...	...	...	2	...	5	4
B	3	2	1	...	...	...	...	...	1	2
C	6	5	1	...	...	...	3	...	1	2
D	8	5	3	...	...	...	1	...	4	3
E	222	206	16	...	...	...	6	...	203	13
F	8	8	...	...	...	...	3	...	1	4
G	15	15	...	...	...	...	1	...	9	5
H	7	6	1	...	...	...	3	...	2	2
K	6	6	...	...	...	...	2	...	...	4
L	2	1	1	...	...	...	1	...	...	1
M	15	13	2	...	...	...	4	...	10	1
N	6	5	1	...	...	...	...	...	3	3
P	2	2	...	...	...	...	2	...	...	...
R	5	5	...	...	...	...	2	...	...	1
T	3	3	...	...	...	...	...	...	...	3
Total	319	292	27	...	...	...	30	...	239	48

Abbreviations used:—V—Vivax. F—Falciparum. M—Malaria.

TABLE No. 22

NATIONAL MALARIA ERADICATION PROGRAMME

Annual Report for the year 1967

Agency	Area	No. of fever cases detected	No. of persons given treatment	NUMBER OF BLOOD SMEARS			PARASITE SPECIES				No. OF PERSONS GIVEN TREATMENT		EPIDEMIOLOGICAL CLASSIFICATION					Remarks
				Collected	Examined	Found Positive	V.	F.	M.	Mixed	Complete	Partial	Induced	Imported	Relapse	Indigenous	Not treated	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Passive	City	78,338	76,431	78,338	78,338	94	77	17	...	...	68	...	...	14	...	54	26	
	Western Railway (Suburbs and Extended Suburbs)	45,578	43,664	45,578	45,578	18	17	1	...	...	12	...	...	5	...	7	6	
	Central Railway (Suburbs and Extended Suburbs)	20,679	19,253	20,679	20,679	17	15	2	...	...	10	...	...	3	...	7	7	
	Total	1,44,555	1,39,348	1,44,595	1,44,595	129	109	20	...	...	90	...	...	22	...	68	39	
Active	City	91	91	91	91	21	19	2	...	...	21	...	...	...	...	21	...	
	Western Rly. (Suburbs and Extended Suburbs)	63,261	60,846	60,846	60,846	5	4	1	...	...	3	...	...	3	...	...	2	
	Central Rly. (Suburbs and Extended Suburbs)	37,846	36,638	36,638	36,638	9	6	3	...	...	9	...	...	2	...	7	...	
	Total	1,01,198	97,575	97,575	97,575	35	29	6	...	...	33	...	...	5	...	28	2	
Misc	City	154	...	82,178	82,178	154	153	1	...	...	147	...	...	1	...	146	7	
	Western Rly. (Suburbs and Extended Suburbs)	...	...	10,436	10,436	...	...	...	...	...	...	...	...	...	...	...	...
	Central Rly. (Suburbs and Extended Suburbs)	1	...	18,537	18,537	1	1	...	...	...	...	...	...	...	...	...	1	
	Total	155	...	1,11,151	1,11,151	155	154	1	...	...	147	...	...	1	...	146	8	

TABLE 23

Statement showing the details of Positive cases at Mazgaon Dock in 1967-68.

Period	Total Blood Samples collected	Total positives found	Total positives traced	Total positives untraced	Total positives left Bombay	Total positives pregnant/infant	Total positives given full radical treatment	FOLLOW UPS																Remarks
								I				II				III								
								No. collected	No. referred to other units	No. left or address unknown	No. refused	A	B	C	D	A	B	C	D					
8-12-1967 to 31-12-1967 ...	3,586	176	166	10	4	5	157	A	B	C	D	A	B	C	D	A	B	C	D					
1-1-1968 to 31-1-1968 ...	14,248	70	69	1	...	1 (Pregnant)	68	64	1	1	2	46	7	13	2	41	8	9	2	(8 due)				

TABLE 24

Total positive cases, Mass Radical treatment and Mass Suppressive Treatment carried out at Mazgaon Dock in 1967-68.

Period	TOTAL NO OF POSITIVES		Total positives Untraced	Total positives left Bombay	Total positives as pregnant/infant	Total positives given full treatment	MASS RADICAL TREATMENT				Mass sup resiv: treatment	Total blood samples collected till 31-3-1968
	detected	Traced					No. of PERSONS GIVEN					
							5 days treatment	1, 2, 3 days treatment	Absent or refused	Pregnant/infant, etc.		
9-12-1967 to 12-1-1968 ...	246	235	11	4	6	225	2,346	1,256	260	54	807	17,834

345

TABLE 25

Anti-Larval Measures :

Ground inspection of mosquito breeding places was done twice in a week and breeding places were treated with larvacides immediately.

Focal spraying was carried out in the entire locality and the places where Malaria cases were detected.

Details of focal spraying done from December 1967 to January 1968.

(1) Number of houses sprayed	...	3,346
(2) Number of houses missed spraying :	...	312
(3) D. D. T. 50 per cent. Wettable Powder consumed	...	255 Kg.

TABLE 26

Epidemiological classification of positive cases at Mazgaon Dock.

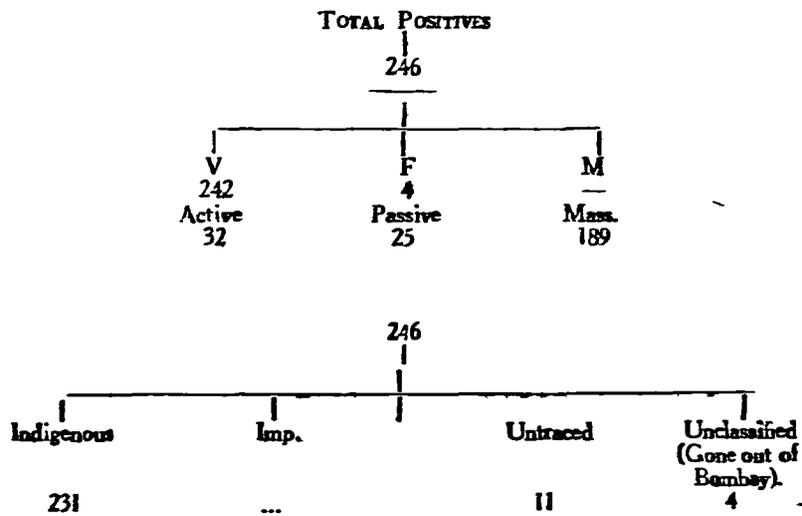


TABLE 27

New cases and total attendance at all the Municipal free General Dispensaries and the Mobile Dispensary Unit in Greater Bombay during 1967.

Description of Disease.						
I.—Ailimentary System :						
(a) Diarrhoea	...	...	...	...	...	1,10,907
(b) Dysentery	...	...	...	...	...	69,347
(c) Dyspepsia	...	...	...	...	...	39,938
(d) Helminthiasis	...	...	...	...	...	23,824
(e) Liver-Jaundice	...	...	...	...	...	11,091
II.—Circulation System :						
(a) Heart	...	...	...	...	...	1,450
(b) Blood Vessels	...	...	...	...	...	465
(c) Blood Pressure	...	...	...	...	...	8,345
III.—Exanthemata :						
(a) Chickenpox	...	...	...	...	...	645
(b) Measles	...	...	...	...	...	2,739
(c) Smallpox	...	...	...	...	...	...
IV.—Fever :						
(a) Fevers not defined	...	...	...	...	...	1,41,493
(b) Malaria	...	...	...	...	...	...
V.—Injuries and Accidents :						
	...	...	...	...	...	43,506
VI.—Nutrition :						
(a) Avitaminosis	...	...	...	...	...	43,558
VII.—Nervous System :						
(a) Neuritis	...	...	...	...	...	9,437
(b) Sciatica	...	...	...	...	...	4,874
(c) Tremors	...	...	...	...	...	641
VIII.—Respiratory System :						
(a) Bronchitis	...	...	...	...	...	2,02,943
(b) Bronchopneumonia	...	...	...	...	...	15,732
(c) Common Cold	...	...	...	...	...	1,01,210
(d) Influenza (Non-epidemic)	...	...	...	...	...	25,244
(e) Laryngitis	...	...	...	...	...	6,830
(f) Pharyngitis	...	...	...	...	...	25,853
(g) Pneumonia	...	...	...	...	...	3,637
(h) Tonsillitis	...	...	...	...	...	22,952
(i) Whooping Cough	...	...	...	...	...	3,661
IX.—Skin and Appendices :						
(a) Diseases of Skin						
(i) Herpes	...	...	...	...	...	18,713
(ii) Ringworm	...	...	...	...	...	34,447
(iii) Scabies	...	...	...	...	...	56,370
X.—Special Organs :						
(a) Eyes						
(i) Conjunctives	...	...	...	...	...	44,414
(ii) Corneal Ulcer	...	...	...	...	...	1,141
(iii) Foreign body in Eye	...	...	...	...	...	3,906
(iv) Iritis	...	...	...	...	...	3,261
(v) Ophthalmia	...	...	...	...	...	12,525
(vi) Spring Catarrh	...	...	...	...	...	2,591
(b) Ears (i) Diseases of ears	...	...	...	...	...	40,773
(c) Nose (i) Diseases of nose	...	...	...	...	...	8,614
(d) Teeth (i) Diseases of teeth	...	...	...	...	...	53,895
XI.—Surgical Ailments :						
(a) Injuries	...	...	...	...	...	78,291
(b) Minor Surgical Operations	...	...	...	...	...	4,589
(c) Ulcers	...	...	...	...	...	43,254
						<u>13,27,186</u>

TABLE 28.

Total confinements in Institutions in Greater Bombay doing Maternity work during the year 1967.

Ward	No. of beds.	Total confinements	Deaths among mothers during their stay in Homes
A	404	10,309	23
B	215	5,570	1
C	170	2,446	4
D	797	13,809	4
E	285	13,525	9
F	780	31,433	95
G	466	13,930	2
H	283	11,521	9
K	277	10,189	8
L&M	168	8,457	13
N	242	9,637	10
P	166	5,429	2
R	189	4,925	NH.
T	83	1,651	1
Total	4,525	1,42,431	181

Total births (including 5,456 still births) registered in the Greater Bombay during the year 1967 : 1,58,686.

Deaths registered as Maternal deaths during the year 1967... ..115.

SUMMARY OF STATISTICS FOR THE YEAR 1967

		CITY	SUBURBS	EXTENDED SUBURBS	GREATER BOMBAY
(1) Area of Greater Bombay and Island...	...	67.78	175.08	194.00	436.86
		Sq. Km.	Sq. Km.	Sq. Km.	Sq. Km.
(2) Density of Population per Sq. Km.	...	43,083	6,900	2,090	10,387
(3) Population	Census of 1961	27,71,933	10,36,585	3,43,538	41,52,056
	Mid-year estimated	30,53,000	13,70,000	4,80,000	49,03,000
(4) Total live births registered	...	81,159	56,809	15,262	1,53,230
(5) Birth rate per 1000 population.	Census of 1961	29.8	54.8	44.4	36.9
	Mid-year estimated	26.6	41.5	31.8	31.3
(6) Total deaths	...	34,504	18,565	3,632	56,701
(7) Death rate per 1000 population	Census of 1961	12.4	17.9	10.6	13.7
	Mid-year estimated	11.3	13.6	7.6	11.6
(8) Total deaths among infants (under 1 year)	...	7,990	5,198	930	14,118
(9) Infant deaths per 1,000 live births	...	98.5	91.5	60.9	92.1
(10) Maternal deaths	...	53	53	9	115
(11) Maternal death rate per 1,000 births (including still-births)	...	0.6	0.9	0.6	0.7
(12) Maternal death rate per 1,000 live births	...	0.7	0.9	0.6	0.8
(13) Still-births	...	2,905	2,109	442	5,456
(14) Plague	Deaths	...	...	...	...
(15) Cholera	Deaths	...	...	...	...
(16) Small-pox	Deaths	626	320	61	1,007
	Death-rate	0.2	0.2	0.1	0.2
(17) Influenza	Deaths	3	...	...	3
	Death-rate	0.0	...	...	0.0
(18) Tuberculosis	Deaths	3,753	1,115	282	5,150
	Death-rate	1.2	0.8	0.6	1.1
(19) Acute Exterior Poliomyelitis	Deaths	27	13	1	41
	Death-rate	0.0	0.0	0.0	0.0
(20) Diphtheria	Deaths	76	27	10	113
	Death-rate	0.0	0.0	0.0	0.0
(21) Typhoid	Deaths	16	2	1	19
	Death-rate	0.0	0.0	0.0	0.0