

CONTENTS.

APPENDIX I.

	Page.
I. Statement of Revenues and Receipts ...	64—66
II. Do. Expenditure ...	67—76
Do. Liabilities and Assets ...	77—80
II-A. Details of Expenditure on New Works...	81—91
II-A. Do. on Repairs ...	92—97
II-B. Details of Municipal Establishments ...	98—108
III. Abstract of Deposit Account ...	109
IV-A. Demand, Collection and Balance Statement of Taxes (Current)	110
IV-B. Do. do. do. (Arrear)	111
IV-C. Details of Arrear Demand, Collection and Balance...	112—118
IV-D. Classification of Assessments under Tax on Arts, &c.	114
IV-E. List of Number of Professions Taxed ...	114
IV-F. Gradation list of the combined rates levied on Buildings and Lands.	115
IV-G. Classification of Assessments under Vehicles and Animals Taxes	115
IV-H. Details of the Collection of License fees on import of Timber and Firewood	116
IV-I. Comparative Statement of receipts from the license fees levied on import of Timber and Firewood—1894-95 to 1896-97	117
IV-J. Statement of Coercive Measures	118
IV-K. Statement showing the Analysis of the collection of each tax at each stage	119
V-B. Statistics of Aided Schools	120—127
Statements of Loans	128
Account Current General Fund	129
Do. Water Works Fund	129
Do. Lighting Fund	130
Revenue and Capital Account	131
Statement showing the constitution of the Madras Municipality for 1896-97	132
Statements showing the Income and Expenditure of the Madras Municipality for 1896-97 in the form prescribed by the Government of India	132—136

APPENDIX II.

List of Commissioners and of Standing Committee Members	137—139
Particulars of Election of Commissioners held in 1896-97 ...	140
Table No. 1. Expenditure on Black Town Drainage	141
2. Quantity of water supplied to the City	142
3. Distribution of fountains	142
4. Number of new services laid	143
5. Quantity of water used for non-domestic purposes	144
6. Prosecutions—Public Works Department	144
7. Permits granted do	144
8. Notices served do	145
9. Notices served—Health Department	145
10. Prosecutions do	145

APPENDIX III.

Report on Education ...	146—150
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APPENDIX IV.

Report on Triplicane Hospital and North Side Black Town Dispensary	151—154
Report of Convent of St. Thomas	155
Report on Victoria Caste & Goshia Hospital	155—156
Vaccination Tables	157—158

APPENDIX V.

Vital Statistics	159—203
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MUNICIPALITY OF MADRAS.

REPORT OF THE PRESIDENT, FROM APRIL 1896 TO MARCH 1897.

Tramway Concession.

1. Shortly before the year under report Sections II and III of the Tramways were opened. At their Meeting held on 30th November 1896, the Commissioners resolved on the Memorial from the Attorneys to the Trustees for the Debenture Holders, Madras Electric Tramways Company, praying for an extension of time from 6th October 1897 to 6th October 1900 for the completion of Sections 4, 5 and 6 of Tramways, that the extension applied for be recommended to Government on the condition that one of the remaining three sections be completed by 6th October 1898 and another by 6th October 1899, and that an advising committee of shareholders be appointed in Madras to act with the Attorneys to the Trustees.

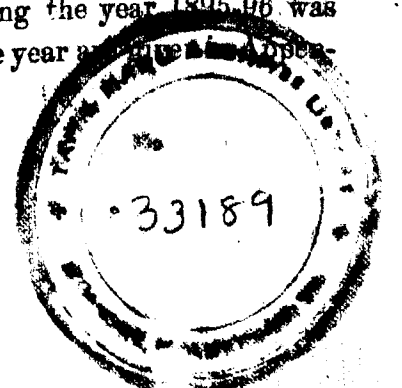
Executive Officers.

2. Lt.-Col. G. M. J. Moore, C. I. E., President, availed himself of 3 months privilege leave of absence from 2nd July 1896. Mr. R. E. Ellis was appointed to act for him. Mr. S. Loane acted for Mr. R. E. Ellis, Engineer, on other duty, from 2nd July 1896. Dewan Bahadur P. Ramaswami Chettiar Avargal, Revenue Officer, availed himself of 3 months privilege leave from 3rd July 1896. M. R. Ry. Toke Venkatapathy Naidu Garu who was appointed to act for him assumed charge on 10th July 1896. Dr. J. N. Cook, Health Officer, on the expiry of his leave on medical certificate, resumed office on the after-noon of 14th December 1896 from Mr. H. H. Marshall.

Elections.

3. As usual the lists of persons qualified to be elected and to vote were revised. The result of the revision was that 533 persons were found qualified to be elected as Municipal Commissioners and 5,500 persons qualified to vote at Municipal elections, the ratio per mille of population being 1.17 and 12.15 respectively. The corresponding figures for the year preceding were 543 and 5,342 with a ratio per mille of population, of 1.19 and 11.80 respectively.

4. Six vacancies occurred among the elected members of the Commission. At the election held to fill them 34.24 per cent. of the total number of registered voters attended the poll. The corresponding figure during the year 1895-96 was 21.55; detailed particulars of the elections held during the year are given in Appendix II.



5. At the election held for the 3rd Division on the 27th February 1897, 4 candidates were nominated, but 2 of them withdrew their candidature before the day of election.

Nominations.

6. Mr. N. Subramanyam was nominated on the 19th December 1896 in place of Mr. B. Lavery who lost his seat by absence from 3 consecutive General Meetings.

Re-instatement.

7. Messrs. B. Lavery and N. Subrahmanyam, Surgeon-Lt.-Col. J. Maitland, M.R.Ry. C. Yetherajulu Naidu Garu, Mr. R. E. Grant and Surgeon-Lt.-Col. G. L. Walker forfeited their seats during the year by absence from 3 consecutive General Meetings, and they were re-instated by the Commissioners under the provisions of Section 28 of Act I of 1884 at their Meetings held on 27th May 1896, 29th June 1896, 27th July 1896, 26th August 1896, 26th August 1896 and 28th September 1896 respectively. Mr. B. Lavery again forfeited his seat for the same reason on 26th October 1896 and the Commissioners did not re-instate him as he expressed his inability to serve any longer on the Commission, owing to failing health.

Meetings.

8. The Standing Committee met 25 times. The names of the members of the Committee will be found in Appendix II.

9. Of the 20 meetings of the Commissioners held during the year 12 were General Meetings, 1 Adjourned General Meeting, 5 Special Meetings and 2 Adjourned Special Meetings.

10. At the 20 Meetings of the Commissioners, the average attendance was 22. The details of attendance of individual Commissioners appear in Appendix II.

Committee.

11. The report of the Committee that was appointed to consider G. O. No. 2140 M. (Local and Municipal) dated 21st December 1895 re the Drainage and the Water-Supply Schemes of the City of Madras was adopted by the Commissioners on 18th November 1896 and forwarded on 19th November 1896 to Government, which approved of the scheme for the Drainage therein recommended, in G. O. No. 209, M. dated 12th February 1897.

12. The Sanitary portion of the report has been practically contributed by the Health Officer.

I. Financial.

13. The year under report opened with a balance of Rs. 5,99,492-8-8. The actual receipts from all sources amounted to Rs. 14,36,114-15-10, of which Rs. 8,80,338-11-9 were derived from Municipal rates and taxes and Rs. 5,55,776-4-1 from miscellaneous sources. The expenditure amounted to Rs. 15,56,876-18-2. Deducting this from the gross total receipts, the balance which remained unspent at the close of the year was Rs. 4,78,730-11-4. The actual receipts of the year fell below the Revised Estimate by Rs. 31,855-0-2 and also below the actuals of

the previous year by Rs. 6,59,181-8-6. This difference is apparent and not real, for in 1895-96, Rs. 4,00,000 were raised by loan, Rs. 32,500 were received as premium on the loan and Rs. 3,50,000 were contributed by Government on account of (1) Incinerators, (2) Conservancy Carts, and (3) the New Drainage scheme. The actual difference between the receipts of the year and those of the preceding year is Rs. 26,651-8-6.

II. Municipal Rates and Taxes.

14. The total amount realized under taxation was Rs. 8,80,338 against Rs. 9,31,350 anticipated in the Revised Estimate. The large difference between the actuals and the Estimate is due to short collections under House, Water and Lighting Taxes, this again being the result of delay in the issue of bills consequent upon the demand of the 2nd Municipal Division not having been settled on account of the quinquennial general revision.

(a) Tax on Arts, Professions, Trades and Callings.

CURRENT.

15. The demand as originally assessed was Rs. 70,550; on objection Rs. 60-0-0 were remitted, reducing the demand to Rs. 70,490 against Rs. 70,255 in the preceding year. Appendix I—Statement IV-D shows the details of classification of assessment under this Tax arranged according to "class." Appendix I—Statement IV-E is a list of the several professions taxed and their number. There has been a slight increase of Rs. 235 under this head of taxation. The total number of persons assessed amounted to 3,631 against 3,626 in the previous year, the incidence of taxation per head taxed being Rs. 19-6-7 against Rs. 19-1-4. Notwithstanding the increase in the number of assessments, the number of objections did not shew an increase, only 342 having been received against 346 in 1895-96. Of these 230 were disposed of under Section 104, 80 under Section 190 and the remaining 32 were left in hand at the close of the year. Rs. 67,952-8-0 were collected against an Estimate of Rs. 66,100, Rs. 195 were written off and the balance left at the close of the year was Rs. 2,342-8-0 against Rs. 1,742-3-4 in the preceding year. For the realization of this tax 3,800 demand notices and 2,791 distress warrants under Section 198 were issued. There were also 304 magisterial prosecutions under Section 106 of the Act. 231 of these were withdrawn on payment of the tax, 15 in consequence of the absence of the defaulters, 1 was dismissed for want of evidence and in 4 cases, warrants were issued for the arrest of the parties and the cases have been disposed of in the current year, 4 have been convicted resulting in fines amounting to Rs. 15-8-0 and the remaining 49 cases stood over for disposal at the end of the year.

ARREARS.

16. The balance left uncollected at the end of the previous year was Rs. 2,404-11-4 which subsequently was reduced to Rs. 2,309-11-4 by the elimination of Rs. 95 on account of non-liability. In the course of the current year, a few cases were discovered which ought to have been taxed during the previous years.

They were assessed in the sum of Rs. 785-10-0. Adding this to the foregoing figure, the total arrear comes to Rs. 3,095-5-4. Of this sum Rs. 2,039-2-7 have been collected against an Estimate of Rs. 1,900-0-0 and Rs. 498-13-5 were written off as irrecoverable. The balance remaining to be collected is Rs. 557-5-4.

(b) Tax on Buildings and Lands at 10 per cent. on annual value.

CURRENT.

17. The gross demand under this head of taxation was Rs. 5,26,216-12-2; of this Rs. 6,327-7-7 were remitted on appeals and objections, reducing the demand to Rs. 5,19,889-4-7. The several items that go to compose this amount are the following:

Tax on Buildings under Section 119.	Rs. 5,15,321	3	1
Tax on Paddy fields under Section ,,	1,393	9	6
Tax on Lands occupied by native huts, &c., under Section 120	3,174	8	0
Total	Rs. 5,19,889	4	7

18. The demand for the previous year was Rs. 5,03,571-12-10, thus there was an increase of Rs. 16,317 during the year under review. The increase is distributed as follows:

(a) Due to the general revision of the assessment in the 2nd Division.	Rs. 13,595	8	0
(b) Due to the annual revision in the remaining 7 Divisions	2,721	15	9
Total	Rs. 16,317	7	9

19. The number of complaints received during the year against the assessments were 2,790 against 1,182 in the preceding year. Of these 2,072 were against the general revision and 718 against the annual revision. No less than 813 complaints were received against the standing assessments themselves; that is to say, against assessments which were not raised during the year. To dispose of these appeals 3 sets of Commissioners were appointed and they held in all 43 meetings. The last sitting took place in February of this year. The disposal of the appeals resulted in a remission of Rs. 6,327-7-7 being granted against Rs. 2,525-6-9 in the preceding year.

20. There were only 3 appeals to the Presidency Magistrates and those were not from the rate-payers of the 2nd Division, but of the 3rd, 5th and 8th Divisions. One of these appeals was dismissed; the Magistrates ordered the valuation to be reduced in the 2nd appeal owing to a misapprehension of facts and the 3rd appeal was compromised and withdrawn.

21. The collections during the year amounted to Rs. 4,33,256-2-2 against an estimate of Rs. 4,66,450. Rs. 6,888-4-3 were remitted on account of vacancy, &c., and Rs. 6-6-4 were written off, leaving a balance of Rs. 79,738-7-10 at the end of the year. The percentage of collections was 83.3 against 92.9 in 1895-96 and 90.6 in 1894-95 and 81.0 in 1893-94. The incidence of taxation was Rs. 13-0-4 per

item of assessment and Rs. 1-2-5 per head of the population against Rs. 12-9-11 and Rs. 1-1-10 respectively in 1895-96.

ARREARS.

22. The arrear demand was Rs. 33,380 as shown in Appendix I—Statement IV-C Rs. 25,128-7-0 were collected against an estimate of Rs. 25,250. Rs. 921-9-11 were remitted and Rs. 857-9-9 written off, leaving a balance of Rs. 6,472-5-4.

General.

23. It may be of interest to note that according to the Census Returns, there are in all 82,856 buildings in the city, but the number shown in the Assessment Registers of the Municipality is 39,923 as per gradation List in the Appendix I—Statement IV-F. The difference between the two sets of figures is large. It is possible that this difference is in some measure due to the difference in the principle of enumeration and classification adopted by the Census authorities and the Municipality. But with a view to see how far this difference in system is responsible for the difference in the figures, an attempt will be made to reconcile them by checking the Registers with the existing buildings and should any case be found in which buildings have escaped taxation, they will be brought to the Books.

24. It may also be of interest to state that during the year under report 290 buildings were newly constructed in the city, 287 were extended and the assessment was enhanced in the case of 3,884 existing buildings.

(c) Water Tax on Buildings and Lands at 4 per cent. on annual value.

CURRENT.

25. The net demand under this head of taxation was made up of the following items:—

Tax on Buildings under Section 138	Rs. 2,05,965-13-4
Tax on Paddy fields under Section ,,	548- 3-6
Tax on Lands unappropriated to buildings or occupied by native huts under Section 140	1,269-12-4
Total	Rs. 2,07,783-13-2

26. The net demand during the past year was Rs. 1,97,310-4-4. There was thus an increase of 10,474 in the demand of the year under report and this was largely due to the general and annual revision of assessments in the several divisions of the Municipality already alluded to.

27. Besides the revision, the other cause which contributed to the increase in the revenue is the extension of the water supply scheme to the non-populous parts of the town where in consequence maximum rates of the tax were levied in lieu of the reduced rate of 2 per cent. At present there are only 97 premises which are taxed at 2 per cent water rate. Of these 18 belong to the 1st Division, 19 to the 4th Division and 60 to the 6th Division. The incidence of this tax per item of assessment is Rs. 5-3-3 and Rs. 0-7-4 per head of population against Rs. 4-15-2 and Rs. 0-7-0 respectively during 1895-96.

28. The collections during the year amounted to Rs. 1,73,150-7-6 against an estimate of Rs. 1,86,580-0-0. Rs. 2,704-3-2 were remitted and Rs. 2-9-0 were written off, leaving a balance of Rs. 31,926-9-6 outstanding at the end of the year.

ARREAR.

29. The old arrears amounted to Rs. 12,986-7-1, which were for reasons explained in Appendix I—Statement IV-C raised to Rs. 12,989-2-11. Of this Rs. 9,784-5-1 were collected, Rs. 353-1-1 were remitted and Rs. 330-3-3 were written off leaving a balance of Rs. 2,521-9-6 at the close of the year.

(d) Lighting Tax on Buildings and Lands at 1½ per cent. on annual value.

CURRENT.

30. The demand was made up of the following sums:

Tax on Buildings under Section 148 ...	Rs. 64,427	8	0
Tax on Paddy lands ...	174	1	4
Tax on land unappropriated to buildings or occupied by native huts under Section 150 ...	396	13	0

Total Rs. 64,998 6 4

31. The demand for 1895-96 was Rs. 62,958-10-3. The increase is due to the revision of assessments already referred to. The incidence of the tax per item of assessment was Rs. 1-10-1 and Rs. 0-2-4 per head of the population, the corresponding figures for the preceding year being Rs. 1-9-8 and Rs. 0-2-8 respectively.

32. The collections during the year amounted to Rs. 54,178-12-2 against an estimate of Rs. 58,330. Rs. 890-6-3 were remitted and Rs. 0-12-10 were written off, leaving a balance of Rs. 9,988-7-1 at the close of the year.

ARREARS.

33. The arrear demand was Rs. 4,207-9-3 which for reasons appearing in Appendix I—Statement IV-C was raised to Rs. 4,208-10-1. Of this Rs. 3,155-13-5 were collected, Rs. 114-15-10 were remitted and Rs. 108-1-8 were written off, leaving an outstanding balance of Rs. 884-11-7 at the close of the year.

TOTAL ARREARS.

34. It will be observed that the year under report closed with a sum of Rs. 1,34,382-0-2 being left uncollected under the foregoing heads of taxation. Rs. 96,805-8-1 have since been collected and vigorous steps are being taken to wipe off the balance.

35. The remarks of Government contained in G. O. No. 2084 M., dated 7th December 1896 (L. & M.) with reference to older arrears have been noted. The arrear list is being carefully scrutinised and it is hoped that before long all arrears will disappear from the Municipal records.

(e) Tax on Vehicles with Springs and on Animals.

CURRENT.

36. The net current demand under this head of revenue amounted to Rs. 56,451-8-0 against Rs. 59,609-4-0 during the year preceding, of which Rs. 28,962

related to Vehicles and Rs. 27,439-8-0 to Animals. Appendix I—Statement IV-G shows the details of classification of the Vehicles and Animals assessed during the year. 346 objections were received against this assessment, 267 of them were disposed of under Section 160 and 30 under Section 190 for which 6 sittings were held, and 40 objections were left undisposed of at the end of the year.

37. The incidence of the tax per item of assessment was $\frac{V. Rs. 5-9-0}{A. Rs. 5-4-7}$ and $\frac{V. Rs. 0-1-0}{A. Rs. 0-0-11}$ per head of population against $\frac{V. Rs. 5-8-6}{A. Rs. 5-3-9}$ and $\frac{V. Rs. 0-1-1}{A. Rs. 0-1-0}$ during last year. It is a matter for regret that the revenue under this head which hitherto showed signs of growth decreased in the year under report. The matter has engaged the attention of the present Revenue Officer and the cause of the decline is being carefully investigated. Rs. 50,562-8-0 were collected against an estimate of Rs. 52,500 of which Rs. 26,039 related to Vehicles and Rs. 24,523-8-0 to Animals, leaving a balance of Rs. 5,889-0-0 at the end of the year.

38. 2,768 demand notices and 1,806 Distress Warrants under Section 198 were issued. In addition to this 1,033 Magisterial prosecutions were instituted, of which 8 cases ended in convictions with fines amounting to Rs. 11-4-0 being levied, 936 cases were withdrawn on payment of the Tax and 89 cases were withdrawn in consequence of the absence of the defaulters from the city and the want of knowledge of their whereabouts.

ARREARS.

39. The demand was Rs. 1,976 for Vehicles and Rs. 2,309-12-7 for Animals.

40. Rs. 226-10-9 were collected on account of the former and Rs. 321-15-7 for the latter, leaving a balance of Rs. 1,749-5-3 and Rs. 1,987-13-0 respectively, aggregating Rs. 3,737-2-3 at the end of the year. A larger portion of this sum is irrecoverable. Enquiries, however, are being made as to the real nature of these arrears and as soon as these are finished, steps will be taken to adjust them.

(f) Tax on Carts and other Vehicles without Springs.

CURRENT.

41. The current demand under this head was Rs. 19,284-0-0 against Rs. 21,084 during the preceding year. The decrease is due to the fact that the conservancy carts numbering about 435 which were hitherto paying the tax were exempted from taxation on the ground that they are the property of the Commissioners. 6,964 carts were tendered voluntarily for registration, while 2,678 carts were seized, of which 2,652 were released on payment, 23 were sold and 3 stood over pending disposal. 67 objections were received and disposed of. The incidence of the tax per head of the population is Rs. 0-0-8 against Rs. 0-0-9 during the previous year. Rs. 19,265-10-3 were collected against an estimate of Rs. 19,440-0-0; Rs. 4 were remitted and Rs. 8-5-9 were written off, leaving a balance of Rs. 6 to be collected at the end of the year.

ARREARS.

42. The arrear demand was Rs. 3-4-11 to which Rs. 64-0-0 were added by subsequent amendment—vide Appendix I—Statement IV-C, aggregating Rs. 67-4-11, of which Rs. 64-1-1 were collected, Rs. 2-0-0 were remitted and Rs. 1-3-10 written off.

(g) Tolls on Vehicles and Animals entering the Municipal Limits.

43. There was a slight improvement in the revenue under this head of taxation. Rs. 41,252-4-2 were collected against an estimate of Rs. 41,250-0-0, the actuals of 1895-96 being Rs. 38,250. The incidence per head of the population is Rs. 0-1-5 against Rs. 0-1-4 during the previous year.

III. Revenue derived from Municipal property and powers apart from taxation.

Payment for Occupation of Municipal Lands.

CURRENT.

44. The demand under this head is made quarterly and depends upon the occupation of public lands, which is a fluctuating contingency. The gross demand amounted to Rs. 10,210-6-3 against Rs. 11,220-6-6 during the last year. The decrease in the current demand is due mainly to the prohibition of occupation in certain localities with a view to improve public thoroughfares. 129 objections were received of which 4 remained undisposed of at the end of the year. The incidence of the tax per person taxed is Rs. 2-12-10 and Rs. 0-0-4 per head of the population against Rs. 3-0-9 and Rs. 0-0-5 respectively during 1895-96. Rs. 8,031-6-8 were collected against an estimate of Rs. 7,800-0-0, leaving a balance of Rs. 2,179-0-0 at the end of the year. 14,672 bills under Section 197 and 9,789 distress warrants under Section 198 were issued for the collection of this portion of the revenue.

ANNUAL.

45. The demand at the commencement of the year was Rs. 2,120-14-7, which by subsequent amendments (see Appendix I—Statement IV-(C)) rose to Rs. 2,405-1-0, of which Rs. 1,110-1-1 were collected and Rs. 1,018-1-7 were written off, leaving a balance of Rs. 276-14-4 at the close of the year.

46. *Rent of Lands and Buildings not falling under Section 186.*—A sum of Rs. 17,095-4-9 was collected under this head against an estimate of Rs. 14,000. The excess is due to the extended occupation of Municipal lands.

47. *Sale proceeds of lands.*—Against an estimate of Rs. 1,500 a sum of Rs. 1,266-9-8 was collected, the decrease is due to less demand for lands.

48. *Esplanades, &c., grazing rents.*—During the year under review Rs. 383-2-5 were realized from this source against Rs. 293-15-3 in the preceding year and against an estimate of Rs. 270. The increase is due to penal interest collected on arrears of instalments and to carrying to account during the year certain sums kept in deposit. The right of collecting rents for the next 3 years from 1st April 1897 to 31st March 1900 was put up to public auction in January last and sold for Rs. 1,800, or for Rs. 600 per annum, against Rs. 270 per annum which was realised under the late contract.

49. *Rent of cart stands.*—The amount of income under this head during the year was Rs. 1,620-4-3 against Rs. 1,627-7-6 during the previous year and against an

estimate of Rs. 1,620. The right of collecting fees from the Municipal Cart Stand at the Elephant Gate Bridge for the next 3 years from 1st April 1897 to 31st March 1900 was put up to public auction in February last and sold for Rs. 5,550, or Rs. 1,850 per annum against Rs. 1,600 which was realised under the late contract.

50. *Rent of Municipal Wharf.*—The usual rent of Rs. 1,600 was collected during the year.

51. *Sewage Farms.*—The amount collected under this head during the year was Rs. 17,579-12-10 against Rs. 17,473-6-11 in the preceding year and against an estimate of Rs. 17,440. The increase is due to penal interest paid by the contractor on account of arrears of instalments. There was besides an income of Rs. 10,316-4-11 realized from Municipal and private lands taken up by the contractor for cultivation at Rs. 300 and Rs. 250 respectively per cawnie per annum. Thus the total income derived from the farms was Rs. 27,896-1-9. The contract for the next 3 years from 1st April 1897 to 31st March 1900 was put up to public auction in January last and sold for Rs. 103,500, or Rs. 34,500 per annum, against Rs. 17,440 per annum under the old contract. The increase is partly accounted for by the increased area of land to be cultivated.

52. *Sale of Rubbish.*—The amount collected under this head during the year was Rs. 5,550-5-5 against Rs. 5,938-15-2 in the previous year and against an estimate of Rs. 5,540. The increase is due to penal interest collected on arrears of instalments. The contract for the sale of rubbish for 3 years from 1st April 1897 to 31st March 1900 at the Manally and Kathivakam Rubbish Depôts was put up to public auction in January last and sold for Rs. 19,980, or Rs. 6,660 per annum, against Rs. 5,530 per annum under the late contract.

53. *Income from Municipal Markets.*—The amount of income derived from this source during the year under review was Rs. 14,344-13-6 against Rs. 14,749-12-5 in the preceding year and against an estimate of Rs. 14,880.

54. *General Market.*—The amount realized during the year under review was Rs. 10,021-2-9 against Rs. 10,653-8-5 during the previous year and against an estimate of Rs. 10,560. The decrease is due to non-payment of the final instalment which has since been recovered. The right of collecting rents from the stalls and petty bazaars in this market for the next 3 years, from 1st April 1897 to 31st March 1900, was put up to public auction in January last and sold for Rs. 32,490, or Rs. 10,830 per annum against Rs. 10,410 per annum under the old contract.

55. *Smithfield Market.*—The amount realized during the year was Rs. 4,323-10-9 against Rs. 4,096-4-0 in the preceding year, and against an estimate of Rs. 4,320. The increase is due to penal interest collected on arrears of instalments. The right of collecting fees from petty bazaars and stalls in this market for the next 3 years, from 1st April 1897 to 31st March 1900, was put up to public auction in March last and sold for Rs. 14,250, or Rs. 4,750 per annum, against Rs. 4,540 per annum under the late contract.

Rent of Public Market Stalls for the year 1896-97.

Name of Market.	First quarter.		Second quarter.		Third quarter.		Fourth quarter.		Total Collections.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
General Market	2,675	6 1	2,676	12 2	2,656	8 6	2,012	8 0	10,021	2 9
Smithfield Market	1,138	6 6	1,135	0 0	915	4 3	1,135	0 0	4,323	10 9
Total	3,813	12 7	3,811	12 2	3,571	12 9	3,147	8 0	14,344	13 6

56. *Income from Slaughter Houses.*—The income derived from this source during the year was Rs. 11,205-12-11 against Rs. 11,647-1-8 in the preceding year and against an estimate of Rs. 11,080. The increase is due to penal interest collected on arrears of instalments. The right of collecting fees for the next 3 years, from 1st April 1897 to 31st March 1900, was put up to public auction in February last and sold for Rs. 33,260, or Rs. 11,086-10-8 per annum, against Rs. 10,930 per annum under the old contract.

57. *Import of Timber and Firewood.*—The amount collected under this head was Rs. 97,499-0-0 against an estimate of Rs. 87,000. The receipts are unprecedentedly high, the increase being due mainly to large imports of timber by sea required presumably for the Railway works in progress. The incidence per head of population is Rs. 0-3-5 against Rs. 0-3-5 during 1895-96. The details of the collection are shewn in Appendix I—Statement IV-H.

58. *Slaughter of animals for food.*—The income derived from this source during the year under review was Rs. 27,723-9-7 against Rs. 24,257-13-0 in the preceding year and against an estimate of Rs. 27,550. The increase is due to penal interest collected on arrears of instalments. The right of collecting fees for the next 3 years, from 1st April 1897 to 31st March 1900, was put up to public auction in February last and sold for Rs. 73,580, or Rs. 26,193-5-4 per annum, against Rs. 25,570 per annum under the late contract. During the year under review 351,374 sheep, 9,220 head of cattle and 813 pigs were slaughtered in addition to 869 sheep, 3 head of cattle and 2 pigs slaughtered by private persons under licenses granted under section 347 of the Municipal Act.

59. *Private Markets.*—There are 36 private markets. The amount of license fees collected from these during the year, including arrears, was Rs. 2,175 against Rs. 1,625 in the preceding year and against an estimate of Rs. 1,950. One new market in St. Francis Xavier Street, Black Town, was opened during the year with the sanction of the Commissioners and licensed as a second class market.

60. *Fees for Licenses, Registration, &c.*—The amount collected under this head during the year was Rs. 22,605 against the Revised Estimate of Rs. 27,000.

61. *Cart stand fees.*—The income derived from this source during the year under review including arrears was Rs. 474-8-0 against Rs. 213-8-0 in the preceding year and against an estimate of Rs. 390.

62. *Distrainment Fees.*—Rs. 6,181-12-9 were collected against an estimate of Rs. 6,000.

63. *Fines under Municipal and other Acts.*—Against an estimate of Rs. 3,500, Rs. 4,069-2-3 were collected, while the actuals during the previous year were Rs. 4,069-13-5. It has to be noted in this place that the Presidency Magistrates generally fail to appreciate offences against the Municipal Law and award most lenient punishments. On this account, the time and trouble of the Executive in prosecuting cases are, in most cases, lost without any corresponding advantage to the Municipality. Fiscal laws, especially Municipal fiscal laws, cannot be properly worked, unless the penalties which the law attaches to breaches, are properly imposed by the Judiciary.

IV. Grants and Contributions from Government.

64. A sum of Rs. 1,82,904-5-10 was contributed by Government as particularized below against an estimate of Rs. 1,82,910.

	Rs.	A.	P.
i. Roads	9,058	0	0
ii. Repairing structures of bridges over the Coom and the Buckingham Canal	4,443	0	0
iii. Other purposes—	3,796	5	10
(1) Compensation for Tax on Salaries			
(2) Compensation for Tax on places used for sale of spirituous and intoxicating Liquors	13,607	0	0
(3) Zoological collection in People's Park	2,000	0	0
(4) New Drainage Scheme	1,50,000	0	0
	1,82,904	5	10

V. Miscellaneous.

65. The realizations under this head amounted to Rs. 38,110-3-1 against an estimate of Rs. 32,600 and Rs. 31,815 the actuals of the previous year. The increase in the actuals is due to prompt collections under the head "Payments for water for non-domestic purposes."

VI. General Incidence of Taxation.

66. The incidence of the Municipal taxes is per head of population including Tolls Rs. 1-15-2 and excluding Tolls Rs. 1-13-8.

Advances Recovered.

67. The advances compared with those of the year preceding are abstracted below:—

	1896-97.			1895-96.		
	RS.	A.	P.	RS.	A.	P.
<i>Opening Balance—</i>						
Permanent Advances ...	75,654	11	0	75,725	7	6
Other Advances ...	45,901	6	9	16,753	1	8
	<u>1,21,556 1 9</u>			<u>92,478 9 2</u>		
<i>Advances made during the year—</i>						
Permanent Advances ...	15,020	0	0	52	9	6
Other Advances ...	5,982	4	0	34,791	3	7
	<u>21,002 4 0</u>			<u>34,843 13 1</u>		
	<u>1,42,558 5 9</u>			<u>1,27,322 6 3</u>		
<i>Advances recovered during the year—</i>						
Permanent Advances ...	62	14	0	123	6	0
Other Advances ...	36,153	9	2	5,642	14	6
	<u>36,216 7 2</u>			<u>5,766 4 6</u>		
<i>Advances Outstanding—</i>						
Permanent Advances ...	90,611	13	0	75,654	11	0
Other Advances ...	15,730	1	7	45,901	6	9
	<u>1,06,341 14 7</u>			<u>1,21,556 1 9</u>		

EXPENDITURE.

Grant I.—(Public Works.)

NEW WORKS.

Communications.

68. The rail fencing of the western side of Madawalkam Road which was in progress last year was completed. The chief works of the year were:—The opening of Avadanam Paupier Lane, Forming a foot-path along Mount Road on the western side, Re-building the bridge on Erukencherry Road, Rail fencing the sides of Monteith's Road and Constructing culverts in Monteith's Road, Brighton's Road and at Ootary Burial Ground. All the above works were completed, except Opening Avadanam Paupier Lane for which land is being acquired by the Deputy Collector.

Buildings.

69. *Markets.*—The preparation of plans alluded to in the last year's report has been completed and a loan of Rs. 1,00,000 has been sanctioned by the Government to be raised in the public market. The work will be put in hand as soon as funds are available.

70. *Hospitals.*—Some alterations were made to the operation room and kitchen in the Moyapettah Hospital.

71. *Cholera sheds.*—Some improvements have been made to the Cholera shed at Kistnampet such as pipe laying, levelling the ground within the compound and forming roads.

72. *Cemeteries.*—A boundary wall was constructed on the western side of the Kilpauk Cemetery. A gateway was opened and a tunnel constructed on the South side.

73. *Dust Bins.*—437 corrugated iron dust bins were made during the year and issued for use as required.

74. *Incinerator.*—The tender of Messrs. Goddard Massey and Warner of Nottingham was accepted, but the materials were not received and paid for during the year as anticipated, as the date of payment depends on the date of shipment of the materials and is beyond the control of this Department. The work of laying foundations has, however, been commenced and is in progress.

75. *Toll Stations.*—A station was constructed at the limits of Erukancherry Road and the construction of a Timber and Firewood licensing station at Ennore is in progress.

76. Some additions have been made to the Municipal Workshop by constructing a tiled roof shed for Blacksmiths and a furnace for casting and some of the sheds in the Stores re-built.

77. Land has been acquired for a Vaccination Depot at Mylapore and for passage to a latrine in Purasawalkum.

Drainage.

78. *The New Drainage Scheme.*—In addition to Rs. 2,00,000 granted last year the Government has contributed Rs. 1,50,000 in the current year.

79. The Commissioners at their meeting held on the 3rd March 1896 appointed a committee to consider G. O. No. 2140 M., dated 21st December 1895, passing orders on the Drainage and Water-Supply Schemes of the City of Madras. The committee had a trial sewer with house connections, laid in Parish Venkatachella Iyer Street, which worked very satisfactorily. Five meetings were held. The committee's report on the New Drainage was submitted to the Commissioners and approved of by them at their Special Meeting, held on the 18th of November 1896, and submitted to Government for sanction.

80. The Government in its order No. 209 M., dated 12th February 1897, has approved of the scheme as proposed by the Commissioners and has sanctioned the appropriation of the provincial grant of Rs. 3,50,000 towards the construction of the Drainage of Mylapore on the house connection system and to lay pipe sewers with house connections along Ice House and Sydenham's Roads.

81. The works referred to in para 84 of the last year's report were completed.

82. 12 new drains were sanctioned during the year, viz., 2 in 1st Division, 1 in 2nd Division, 2 in 3rd Division, 1 in 4th Division, 1 in 5th Division, 8 in 7th Division and 2 in 8th Division as detailed in Statement II-A appended. 10 of them have been completed, one drain in 2nd Division and another in the 8th Division are in progress.

Water Supply.

83. *New Water Supply Scheme.*—A scheme for the improvement of the water-supply was prepared by the Engineer on the lines laid down in his Hydraulic Survey of 1895 and submitted to the Commissioners. The cost of this improvement amounts to 6½ lacs.

84. *Auxiliary Mains.*—The northern line referred to in para. 90 of last year's report was completed and opened for use on the 2nd May 1896.

85. During the year under report 20,160 yards of pipes were laid and 96 fountains, 63 valves, 115 stop cocks, 83 Hydrants, and 86 meters were fixed against 46,056 yards of pipes, 38 fountains, 103 valves and 47 stop cocks during 1895-96.

Size and length of pipes laid during the year.																			REMARKS.
Division.	Number of Fountains.	18"	16"	14"	12"	10"	9"	8"	7"	6"	5"	4"	3"	2½"	2"	1½"	1¼"	1"	
1	21	...	...	42	461	126	1,273	1,021	1,629	355	5,222	8,526	1,980	1,002	46	173	171	150	
2	8	...	...	...	...	...	...	...	...	...	...	958	968	674	917	...	144	111	
3	8	...	...	...	...	...	...	...	...	1,272	424	680	450	...	84	...	151	203	
4	32	3,060	2,745	550	...	...	...	...	...	479	18	6,664	543	4,701	1,282	455	210	188	
5	2	2,608	...	...	...	...	...	1,900	1,000	...	45	806	721	...	190	...	430	370	
6	1	...	...	...	...	...	...	...	...	...	...	126	...	...	54	...	...	10	
7	4	...	...	...	...	...	...	...	...	...	...	400	315	...	297	10	...	50	
8	20	...	...	...	...	...	...	...	...	400	...	2,418	396	...	2,164	73	212	348	
Total.	96	5,668	2,745	592	461	126	1,273	2,921	2,629	2,506	5,709	15,073	5,318	6,377	5,084	711	1,341	1,430	

Miscellaneous.

Division.	Village.	Description of work.	Names of Donors.
1	Tondiarpett	Burden Rest	M.R.Ry. Appasawmy Gramany.
2	Peddu Naick's Pett, Black Town	Cattle Trough	" Saliagram Ganesh Das.
"	Do	Do	" Singaravulu Naicker.
3	Muthialpett, Black Town	Do	Thingalam.
"	Do	Single Tap fountain	Authi Mohammed Hussain
4	Erungunram	2 Single Tap fountains and 2 Burden Rests	M.R.Ry. C. V. Parthasarathy Iyengar
"	Tauker's Choultry	Cattle Trough	" Chathurbuja Das, Khad Das.
5	Comaleswarapett	Cattle Trough and drinking fountain	" C. Aiyasawmy Pillai.
6	Chetpet	Cattle Trough and fountain	The Hon'ble Mr. P. Rungiah Naidu Gama.
"	Mount Road, Nungambaukam	2 Cattle Troughs with a drinking fountain in memory of Mir. Ansarruddin Saib Bahadur	Mir Surajudein Sahab.
7	Triplicane	Cattle Trough and a fountain	M.R.Ry. Krishnaswami Naidu.
"	Tiruvateeswarapett	Burden Rest	Charity fund of Vasanthamahot-chavam of Sivasubramayyar.
"	Chintadripet	Do	M.R.Ry. Tolasinga Mudali.
"	Triplicane	Single Tap fountain	Hajee Mahomed Omar Sahab.
8	Mylapore	Cattle Trough	Raja Sir Savalai Ramaswami Mudaliar, Kt., C.I.E.
"	Do	Do	Do.

REPAIRS.

Communications

88. The following table shows the total receipts and issues of Road Materials during the year :—

[illegible]

89. The issues of materials were distributed amongst the various Divisions as follows :—

Divisions.	Royapuram.			Salt Cotan.			Ice House Road.			Penitentiary.			Chetput.			Basin Bridge Road.		
	Laterite.	Gravel.	Sand.	Laterite.	Gravel.	Sand.	Laterite.	Gravel.	Sand.	Granite.	Gravel.	Sand.	Granite.	Gravel.	Sand.	Granite.	Gravel.	Sand.
1	58,842½	3,505	...	...	...	...	...	...	...	...	...	...	...	...	...	80,952	12,098	645
2	45,093	4,519	...	...	...	...	...	...	...	31,300	3,080	...	...	...	...	35,805	5,113	549
3	68,101	6,016	...	...	...	...	...	...	...	1,03,435	15,084	391	...	...	...	40,441	5,911	621
4	40,854	9,606	...	...	...	...	...	...	...	48,336	2,684	378	...	...	...	25,817	130	150
5	1,15,138	19,883	...	...	...	...	...	...	...	64,616	9,635	438	...	...	...	...	...	...
6	60,815	8,496	...	...	...	...	...	...	...	...	...	...	20,800	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	36,649	3,124	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	65,704	10,624	980	...	...	...
Total...	3,86,023½	44,984	...	...	...	...	...	...	...	2,76,825	33,807	1,197	88,384	14,141	1,007	1,33,015	22,552	1,865

90. The receipts as compared with the orders to Contractors for materials stand as follows :—

Depôts.	Quantity of materials ordered to be supplied.			Quantity of materials supplied by Contractors.		
	Laterite.	Gravel.	Sand.	Laterite.	Gravel.	Sand.
Royapuram	...	...	...	...	...	...
Salt Cotan.	5,00,000	...	...	4,36,650	11,420	...
Ice House Road	3,31,000	11,500	...	2,07,415	22,840	...
Total...	8,31,000	11,500	...	6,44,065	34,260	...
Penitentiary	3,90,000	42,000	5,200	2,91,712½	24,170	2,490
Chetput	1,90,000	33,100	2,900	1,07,190	14,560	1,965
Basin Bridge Road	1,95,000	32,400	4,400	2,28,410	32,750	4,480
Total...	7,75,000	1,07,500	12,500	6,22,312½	71,480	8,935
Grand Total of Gravel...	...	1,19,000	12,500	...	1,05,740	8,935

91. The result of work done in the reform of roads is as follows :—

Granite Roads

Class.	Squares.	M.	F.	Yards.
1st Class Road 4" thick	9,575	7	1	193
2nd do. 3" do.	904	...	...	192
3rd do. 3" do.	...	...	...	...
4th do. 3" do.	...	...	...	...
Total...	9,665½	7	2	165

Laterite Roads

Class.	Squares.	M.	F.	Yards.
1st Class Road 4" thick	...	...	...	...
2nd do. 3" do.	5,879	6	2	186
3rd do. 3" do.	2,269½	5	...	178
4th do. 3" do.	2,557	3	6	60
Total...	10,705½	15	1	204

92. During the year 2½ miles of unmetalled roads were metalled for the first time.

93. The number of squares laid amounted to 20,371, which is equivalent to 19.29 miles of road 20 feet wide. The cost including materials, cartage and laying was Rs. 62,303, exclusive of rolling or about Rs. 3,230 a mile as compared with 31.28 miles at Rs. 2,467 a mile in the preceding year. Decrease last year is due to some claims for work done and materials supplied not being preferred within that year but they were paid for in the current year.

94. The number of miles reformed each year during the last 10 years is given below for comparison.

Year.	Miles.	Total amount of expenditure.
		Rupees
1887-88	23.70	60,860
1888-89	32.34	72,823
1889-90	20.12	50,817
1890-91	36.40	1,06,082
1891-92	21.00	64,894
1892-93	22.91	62,929
1893-94	25.96	86,464
1894-95	26.28	85,062
1895-96	81.38	77,168
1896-97	19.29	62,303

95. Two rollers were in use during the year. The number of squares rolled was 20,371 and the cost of working inclusive of repairs was Rs. 10,908 or about 8 as 6 pies a square as compared with 5 annas 3 pies for last year. Excess represents extensive repairs done to the Rollers.

96. *Repairs to Culverts and Foot-paths.*—The culverts in the following places were repaired besides petty repairs done to many other culverts:—

Double culvert in Vijja Vigneswarar Covil Road.

Culvert in Gengoo Reddy Road.

Do in Whannel Road.

Do in Theagappa Chetty Street.

97. *Repairs to Bridges.*—The following bridges over the Cooum and the Buckingham Canal were thoroughly repaired:—

The Government House Bridge,

The General Hospital Bridge,

The Bridge at Vannar Parcherry, 8th Division,

and the St. Mary's Bridge in Canal Road.

Buildings.

98. The work of repairing Smithfield Market which was in progress last year was completed.

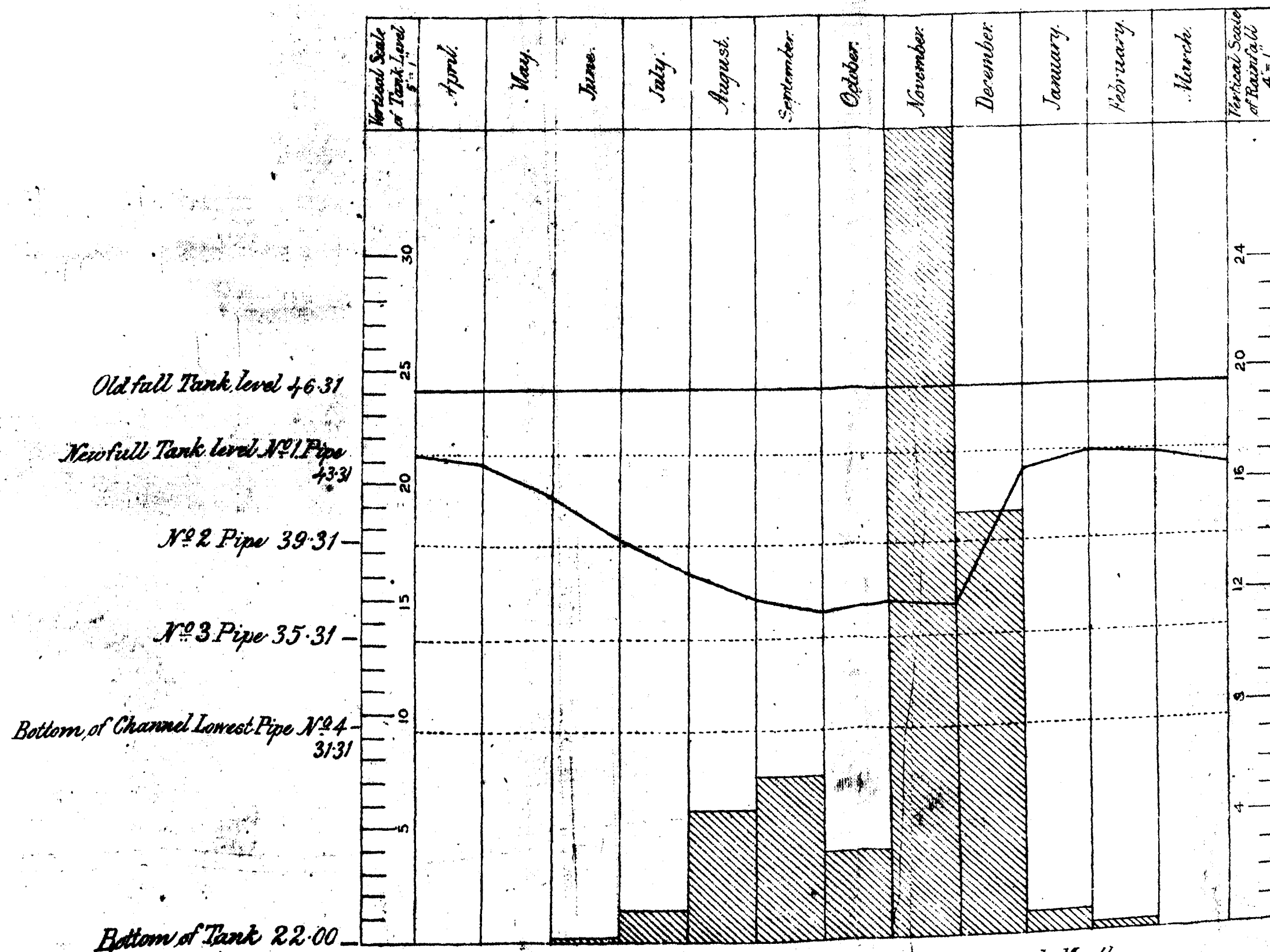
99. The repairs done to the Municipal buildings are shown in details in Appendix II-A.

Drainage.

100. The repairs done to the several drains within the City are shown in detail in Statement II-A.

101. *Napier Park Pumping Station.*—The cost of maintenance and working at this station was Rs. 5,699 as compared with Rs. 4,242 last year. Excess is due to extra pumping during the year.

Table showing Level of Water in Red Hills Tank and amount of Rainfall from 1st April 1896 to 31st March 1897.



Note The Shaded portions Show the Rainfall during each Month.

102. *Royapuram Pumping Station.*—The cost of maintenance and working at this station was Rs. 44,990 as compared with Rs. 44,972 last year.

Water Supply.

103. On the 1st April 1896 the level of the Red Hills lake stood at 42·81 and on the 31st of March 1897 at 41·56.

104. On the 10th September 1896 the level fell to 35·89 pumping level being 35·50. The machinery for pumping was set up in readiness for work but owing to timely showers the pumping level was not reached; the water began to rise as soon as the monsoons set in and from 19th October rose steadily to maximum level, consequently pumping was not necessary.

105. The usual diagram is attached showing the variation of the level in the tank and the monthly rainfall was as follows :—

Month.	RAINFALL.		Water level on the 1st of each month.	Month.	RAINFALL.		Water level on the 1st of each month.
	Inches.	Cents.			Inches.	Cents.	
April 1896	...	...	42·81	October 1896	3	06	36·82
May "	...	...	41·50	November "	28	57	36·61
June "	0	06	39·70	December "	14	83	42·66
July "	1	04	38·11	January 1897	0	63	46·31
August "	4	57	36·98	February "	0	11	43·26
September "	5	73	36·33	March "	...	...	42·66

106. The quantity of water supplied to the City during 1896-97 was 450,768,294 c. ft. against 366,709,545 c. ft. last year. The quantity supplied each month is shown in table 2 Appendix II.

107. The following are the analysis of water taken (1) from the pipes at two places within the town (1st and 8th Divisions), (2) from Delivery Channel at Kilpauk, and (3) from Red Hills Lake from which it will be noticed that there is an appreciable improvement in the Red Hills Water.

		Water from Red Hills Lake 10 ft. from mouth of Tower pipe and 2 ft. below surface.	Water from No. 4, Cottage Delivery Channel before it enters the charcoal strainers at Kilpauk.	Water from Lamp post fountain in Quible Island St. Thomé High Road.	Water from the last wall two tap fountain at Ghourse Moiden Saib Street, 1st Division.
Total solids	Grms. per litre	0·220	0·200	0·170	0·160
Volatile solids	do do	0·100	0·080	0·080	0·080
Chlorine	do do	0·030	0·030	0·030	0·028
Total hardness	Clark's scale	1°·575	1°·575	1°·400	1°·400
Permanent hardness	do do	0°·350	0°·175	0°·175	Trace.
Free ammonia	Mlgrms per litre	0·168	0·152	0·064	0·064
Albumenoid ammonia	do do	0·272	0·240	0·224	0·240
Nitric acid	do do (as Ammonia)	0·390	0·180	0·080	0·150

108. *Delivery Channel, Fountains, Pipes, &c.*—These were kept in order at a cost of Rs. 40,222. There are now 1,142 fountains within Municipal limits, 96 new fountains having been erected during the year.

109. The distribution of fountain according to Divisions and the area supplied by them are shown in table 3 Appendix II.

110. *Private Services.*—1,153 new services were laid by licensed Plumbers during the year and 1,347 existing services were extended.

111. There were 29 licensed Plumbers on the 31st March 1897 against 24 in 1895-96.

112. The number of new services laid in each Division and the total up to the end of the year are shown in table 4 Appendix II.

113. The quantity of water used for non-domestic purposes during the year was 66,409,763 gallons.

114. The amount of bills issued was Rs. 25,904 and the amount collected during the year was Rs. 27,683 as shown in detail in table 5 Appendix II. Excess represents arrear collections.

115. The rate of water supplied for non-domestic purposes was 6 annas per 1,000 gallons.

Grant II—Education.

116. The expenditure on Education during 1896-97 was Rs. 12,304, inclusive of Rs. 1,141 for establishment and Rs. 61 for contingencies. The amount paid to poor schools under various grants was Rs. 11,102-0-0.

117. There were 11 secondary schools with 1,949 pupils and 137 primary schools with 7,673 at the close of 1896-97, as against 9 secondary and 151 primary schools with 1,769 and 7,877 pupils respectively in the year preceding. The children under inspection numbered 9,622, made up of 8,785 boys and 837 girls.

Grant III—(Sanitation and Medical Services).

Hospitals and Dispensaries.

118. *Triplacane Hospital.*—During the year Rs. 13,418-6-4 was spent for this Hospital against Rs. 14,173-14-5 in the year preceding and the decrease in the expenditure was owing to considerable saving effected under cost of diets and is due to the attention devoted to the matter by Surgeon Lt.-Colonel Sturmer. For details of the patients treated in this institution refer to Appendix IV.

119. *Black Town Dispensary.*—Towards the up-keep of the Black Town Dispensary Rs. 7,860-0-9 was expended, against Rs. 11,146-6-11 in the previous year. The details of the patients treated in this dispensary are given in Appendix IV.

Contributions.

120. *Contribution to Provincial Funds.*—A contribution of Rs. 20,000 was as usual paid to Provincial Funds on account of Hospitals, and a contribution of Rs. 5,298 for the Medical College, against Rs. 6,611 in the preceding year.

121. *St. Thome' Dispensary and St. Thomas' Convent.*—A monthly grant of Rs. 66-10-8 and the annual grant of Rs. 200 were paid to St. Thome' Dispensary

for purchase of medicines. The number of cases treated in this institution in 1896-97 was 10,204 against 10,335 in the previous year. To the St. Thomas' Convent the monthly grant of Rs. 20 was continued during the year, and the report of the Reverend Mother in charge of the Convent on its working in 1896-97 will be found in Appendix IV.

122. *Victoria Caste & Goshu Hospital.*—The annual grant of Rs. 500 was paid to this institution during the year and the report of the Honorary Secretary to the Governors of this Hospital for 1896-97 is appended to this Report (*vide* Appendix IV.)

Vaccination.

123. The total number of cases vaccinated during the year 1896-97 was 27,021 against 27,024 in 1895-96 showing a small decrease of 3 cases. Out of 27,021 cases vaccinated 16,028 were males and 10,993 females. 24,813 were successful, 1,044 unsuccessful and 1,164 unknown. The unsuccessful and unknown cases were greater than in 1895-96 by 240 and 52 respectively and this was due to the large number of revaccinations performed among prisoners of the Jails, Emigrant Coolies, &c., who were released or embarked before the result of the operation could be inspected.

124. During the year 1896-97 1,779 cases were brought to the Vaccine Depôts to show the result of the operations, and in 21,510 cases the results were ascertained by the Divisional Vaccinators under bye-law 11 and certificates of success were granted to the parents and guardians after inspection at their own houses. These results were again verified by the Deputy Inspector and 4 Assistant Deputy Inspectors. The cases vaccinated in the Penitentiary, Civil Debtors' Jail and Emigration Depôts (Natal and Mauritius) were inspected by the Deputy Inspector. The accompanying statement shows that out of a total of 27,021 cases vaccinated more than 50 per cent. were inspected by these officers.

Rank.	NUMBER VACCINATED DURING 1896-97.				NUMBER VERIFIED BY INSPECTION DURING 1896-97.			
	Total.	Suc-cessful.	Unsuc-cessful.	Un-known.	Total.	Suc-cessful.	Unsuc-cessful.	Un-known.
Deputy Inspector of Vaccination.	...	...	...	...	4,233	3,544	333	356
Asst. Dy. Inspector, 1st & 3rd Dvs.	6,247	5,618	171	458	2,571	2,497	34	40
Do. 2nd, 4th and 5th Divisions.	6,129	5,821	190	118	3,113	2,815	68	230
Do. 7th Division, North Ward.	7,781	6,718	599	464	1,650	1,565	81	4
Do. 7th and 8th Divisions.	6,864	6,656	84	124	4,728	4,707	20	1
Total...	27,021	24,813	1,044	1,164	16,295	15,128	536	631

125. The following statement shews the total number of cases vaccinated during 1896-97 as compared with the year 1895-96. Calves were sent out as usual to the Penitentiary thrice a week to vaccinate the convicts and the number vaccinated fell from 1,948 in 1895-96 to 1,662 in 1896-97. This was in consequence of the modification of the Jail Code, "provided that prisoners who on admission show clear marks of recent successful vaccination need not be revaccinated." The prisoners of the Civil Debtors' Jail were sent to the Mone-

gar Choultry Depôt and the coolies of the Mauritius Depôt to the Tondiarpet Depôt. The Natal emigrant coolies were vaccinated in their own Depôt until January 1897 and from February the coolies were sent to the Tondiarpet and Monegar Choultry Depôts with a view to their being vaccinated free of charge. During the year calves were also sent to the Revenue Board, Revenue Survey, Messrs. Spencer and Co., Oakes and Co., Addison and Co. and other firms to vaccinate the office establishments and menial servants.

Year.	Total Vaccinated.	Compared with the preceding year.		Successfully vaccinated.	Percentage of success, excluding the unknown cases.
		Increase.	Decrease.		
1895-96	27,024	2,299	...	25,108	96.89.
1896-97	27,021	...	3	24,813	95.96.

126. Excluding the unknown cases from the total vaccinated the percentage of success in primary and revaccination was 95.96 against 96.89, showing a decrease of 0.93 per cent. due to the large number of revaccinations done during the year.

127. During the year vaccination was carried on in 9 Depôts, in 7 of them triweekly, in one (Thousand Lights) biweekly and in one (Egmore) weekly. 123 inoculated calves and 376 tubes of lymph were sent on application to vaccinate persons in their own houses. 147 calves were sent to the Penitentiary to vaccinate the prisoners and 45 calves to the Natal Emigration Depôt to vaccinate the coolies. Calves were inoculated in the Central Depôt, Chintadripet, and sent to the other Depôts on the working days. The following statement shows the number of cases vaccinated in the Depôts :—

No.	Depôt.	Total vaccinated.	Successful.	Unsuccessful.	Unknown.	Percentage of success, excluding unknown.
1	Tondiarpet	8,075	2,778	105	192	96.78
2	Monegar Choultry	3,170	2,840	65	265	97.76
3	China Bazaar	3,299	3,160	30	109	99.06
4	Chintadripet	7,781	6,718	599	464	91.81
5	Vepery	2,832	2,661	161	10	94.29
6	Egmore	797	758	16	23	97.98
7	Thousand Lights	1,039	962	26	51	97.57
8	Poolepone Bazaar	3,315	3,264	24	27	99.33
9	Mylapore	1,713	1,672	18	23	98.93
	Total	27,021	24,813	1,044	1,164	95.96

128. The Chintadripet Depôt shows the largest number of cases vaccinated, viz., 7,781. Of this number 2,933 actually resorted to the Depôt for vaccination and 4,848 cases were vaccinated at the Penitentiary, Natal Emigration Depôt and among Office Establishments and Firms by sending out calves and vaccinators from the Chintadripet Depôt. The percentage of success obtained in this Depôt is low on account of the large number of revaccinations of adults who were found to have been successfully vaccinated or to have had small-pox. In the Poolepone Bazaar Depôt 3,315 cases were operated on with a percentage of 99.33 of success : in the Egmore Depôt the lowest number, 797, with 97.93 per cent. of success.

129. Out of 27,021 cases vaccinated 1779 were Europeans, East Indians and Native Christians, 2,509 Mahomedans, 22,731 Hindus and 2 other castes. Of the total number vaccinated 19,193 were primary vaccination, against 18,877 in 1895-96, showing an increase of 316 cases. The percentage of success in primary vaccination was 99.19 against 99.66 in 1895-96, showing a decrease of 0.47 per cent. There were 7,828 cases of revaccination with 87.11 per cent. of success against 89.76 in 1895-96 showing a decrease of 2.65 per cent. The high percentage of success obtained in revaccination in Madras has repeatedly been commented on in Reviews of the Annual Report and doubt thrown on the accuracy of the statistics. These results, however, though they compare very favourably with English ones and especially with those of army revaccination, which are obtained from humanised lymph or from points, are not so good as those of some continental towns where revaccination is done direct from the calf as is the practice in Madras. The following statement shows the results obtained both in primary and revaccination :—

Year.	PRIMARY VACCINATION.				REVACCINATION.			
	Successful.	Percentage.	Unsuccessful.	Unknown.	Successful.	Percentage.	Unsuccessful.	Unknown.
1895-96	18,598	99.66	62	217	6,510	89.76	742	895
1896-97	18,789	99.19	153	251	6,024	87.11	891	913

130. The following table shows the number of infants vaccinated under one year of age as compared with 1895-96. During 1896-97 13,129 children were vaccinated, against 13,187 in 1895-96, showing a decrease of 58 cases with a percentage of success of 99.36 against 99.74 :—

Year.	Total vaccinated under one year of age.	Successful.	Percentage of success excluding unknown from the total.
1895-96	13,187	13,027	99.74
1896-97	13,129	12,929	99.36

131. The statement below shows the number of cases vaccinated under different ages during the past two years as compared with 1896-97. Out of 27,021 cases operated on 13,129 were infants under one year, 5,458 above one and under 6 years and 8,434 above six years of age :—

	Total number vaccinated.			Ratio per cent. of the total number vaccinated.		
	1894-95.	1895-96.	1896-97.	1894-95.	1895-96.	1896-97.
Under one year	13,414	13,187	13,129	54.3	48.8	48.6
Above one and under six years	5,420	5,019	5,458	21.9	18.6	20.2
Above six years	5,891	8,818	8,434	23.8	32.6	31.2
Total...	24,725	27,024	27,021	100	100	100

132. The following statement shows the ratio of successful vaccination among infants under one year, of children under six years and of adults; also the ratio of success under those age periods as compared with the previous year :—

	Under one year.		Above one and under six years.		Above six years.	
	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
Ratio of successful cases to the total vaccinated	98.78	98.48	98.48	97.51	80.94	88.77
Ratio of unsuccessful cases	0.25	0.62	0.29	0.80	8.57	4.45
Ratio of unknown	0.96	0.89	1.21	1.68	10.47	6.76

133. The subjoined statement shows the total number of births registered and the number of infants vaccinated under one year as compared with those of the two previous years.

Year.	Total Births registered, including still-born.	Still-born.	Deaths under one year, excluding still-births.	Born alive.	Number vaccinated under one year.	Percentage of vaccination to births.
1894-95	17,503	530	4,780	16,973	13,414	78.68
1895-96	19,428	519	5,408	18,904	13,187	67.89
1896-97	19,426	513	5,506	18,913	13,129	67.58

134. The total number of births registered during the official year, inclusive of those that occurred in Hospitals and Dispensaries, was 19,426. Of these 513 were still born and 4,180 died under six months of age from various causes. Deducting the above from the total births registered, the survivors were 14,733. The number of infants vaccinated is less than the number that reached six months of age by 1,604. Only 9,294 children born in Madras were vaccinated during the year. This leaves a balance of 5,439 unvaccinated. But as about this number of children that have completed the first year of life are vaccinated every year it would appear that few escape the operation. The births that occurred in Hospitals were 2,580 and these were not traced by the Vaccination Department as the details given by the Medical Officers of the Institutions were insufficient to enable them to find their residences after the completion of six months of age. As usual infants born in the Moffussil after residing within the city for two months were also vaccinated under bye-law (8).

135. The accompanying statement shows that out of 13,129 infants vaccinated 9,294 were born in Madras and 3,835 in the Moffussil as recorded in the registers of vaccination kept in the Depôts.

Months.		Born in Madras.	Born up-country.
April	1896	747	302
May	"	622	268
June	"	750	275
July	"	875	318
August	"	691	412
September	"	714	330
October	"	777	365
November	"	548	202
December	"	679	314
January	1897	689	296
February	"	1,069	349
March	"	1,133	404
Total...		9,294	3,835

136. The following statement shows that for every 100 of the population according to the census of 1891 5.97 were vaccinated during the year 1896-97. The proportion of Hindus was 6.33 per cent., Europeans, East-Indians and Native Christians 4.48, Mahomedans 4.72 and other castes 0.33.

	Europeans, East Indians and Native Christians.	Mahomedans.	Hindus.	Other Castes.	Total.
Under one year	570	1,311	11,247	1	13,129
Above one & under six years	283	544	4,631	...	5,458
Above six years	926	654	6,853	1	8,434
Total...	1,779	2,509	22,731	2	27,021
Population...	39,742	53,184	358,997	595	452,518
Percentage of vaccination to population	4.48	4.72	6.33	0.33	5.97

137. During the official year the number of deaths from small-pox was 68.* Of these 5 occurred in Hospitals and 63 in private houses. The outbreak of small-pox which appeared in December 1895 continued throughout 1896-97. Out of 68 deaths, 18 were adults above 12 years, 41 above six months and under 12 years and 9 under six months. The disease was confined specially to the crowded parts of the city in the 1st, 2nd and 3rd Divisions. Sanitary precautions were taken in disinfecting the houses in which the disease broke out, the unprotected in the vicinity were vaccinated and the revaccination of adults in the infected houses was also encouraged.

138. During 1896-97 the number of summonses taken out against parents and guardians for omitting to get their children vaccinated after six months of age was 729. There were 7 cases pending on the file of the Magistrates on the 31st March 1896. The total number of prosecutions actually instituted during the year was 736 against 694 in 1895-96. The results of the prosecutions conducted during each quarter are given in the accompanying statement.

Quarter ending.	SUMMONSES.			Vaccinated.	Removed.	Postponed for illness.	Summonses not served, but withdrawn.	Warned and discharged.	Died after prosecution and withdrawn.	Pending.	Number of cases fined.	Amount of fines imposed.		
	Number of cases pending.	Number of persons prosecuted.	Total.											
31st March 1896	7	...	7	...	...	...	...	...	...	...	...	Rs.	A.	P.
30th June. "	...	187	187	83	9	2	34	...	...	...	73	70	4	0
30th Sept. "	...	200	200	157	11	15	24	4	5	...	107	112	8	0
31st Dec. "	...	207	207	148	30	18	6	3	1	...	102	90	0	0
31st March 1897	...	185	185	133	36	18	2	...	2	...	114	106	8	0
Total...	7	729	736	521	86	48	66	7	8	...	396	378	15	0

139. Out of 736 cases prosecuted 521 were vaccinated, 48 were postponed for illness, 86 left the town, 66 were withdrawn, 7 were warned and discharged by the Magistrate and 8 died before the date posted for hearing in the Court. Out of 521 cases vaccinated after prosecution 396 were fined to the extent of Rs. 356-15-0 for failing to obtain vaccination and Rs. 28-0-0 were imposed as fines for failing to attend the Court after the receipt of summonses. The total amount of fines collected was Rs. 378-15-0 against Rs. 242-8-0 in 1895-96. In the majority of cases the fines inflicted varied from 4 annas to one rupee, and in a few cases from Rs. 2 to 5. In the remaining 215 cases summonses were not served personally but posted to doors. Consequently the parents escaped being fined.

140. The total number of calves inoculated during 1896-97 was 638 against 626 in the previous year. 7 out of this number were found insusceptible though

* Deaths for the Calendar year were 42. Vide page 36.

they were inoculated twice, 12 died after operation, 6 from exposure to chills experienced during the heavy rains of November and December 1896 and 6 from the effects of scarification for the manufacture of glycerized vaccine paste. Great difficulty is experienced in procuring calves for operation, and tenders were invited to supply calves. Only one contractor came forward to supply calves at the exorbitant rate of Rs. 9-9-0 per calf, the usual rate being Rs. 4-8-0. The tenderer's rate was not accepted and the calves are being procured departmentally at an increased rate of Rs. 5-0-0 when occasion arises.

141. The cost of maintaining animal vaccination including the supply of glycerized paste to the Moffussil was Rs. 4,005-2-1 against Rs. 3,814-1-3 in 1895-96. Of this expenditure the sum of Rs. 2,467-4-0 was realised by the sale of lymph. The income from paste sent out during 1896-97 was Rs. 2,422-2-6 and the outstanding balance of 1895-96 was Rs. 361-5-6, thus making a total of Rs. 2,783-8-0. The amount received to the credit of the Municipality was Rs. 2,467-4-0, and there is a balance of Rs. 316-4-0 to be recovered for 1896-97.

142. A supply of glycerized pulp was obtained from the "Institut de Vaccine Animale," Paris, in November to renew the calf lymph in Madras. The vaccine from Paris gave good results in the calves inoculated with it up to three weeks after its receipt. The present stock is derived from it.

143. The total charges incurred on vaccination during 1896-97 were Rs. 11,759-0-11 against Rs. 11,029-3-3, showing an increase of Rs. 729-13-8. Of this expenditure Rs. 6,580-14-7 were spent on Establishment, Rs. 240-0-0 for Allowance, Rs. 4,005-2-1 for animal vaccination and Rs. 933-0-3 for Stationery, Printing, &c. If the amount realised by the sale of lymph and credited to the Municipality, viz., Rs. 2,467-4-0 be deducted from the total cost, the nett expenditure of the Vaccination Department was Rs. 9,291-12-11 against Rs. 8,640-15-3 in 1895-96, the expenditure being within the Revised Estimate of 1896-97, viz., Rs. 11,330-0-0.

144. The cost of each successful case calculated on the nett expenditure was annas six during 1896-97 against annas five and pies six, showing an increase of six pies. The increase is due to the increase in the existing staff, the temporary employment of a female vaccinator for 3 months and the purchase of two bullocks for the calf cart made in the workshop for conveying the inoculated calves to the Depôts.

145. The accompanying statement shows the cost of each case vaccinated on the gross expenditure as compared with the two previous years.

Year.	Total vaccinated.	Total cost.			Cost of each case vaccinated.		
		RS.	A.	P.	RS.	A.	P.
1894-95	24,725	10,882	9	0	0	7	0
1895-96	27,024	11,029	3	3	0	6	6
1896-97	27,021	11,759	0	11	0	7	0

146. In accordance with G. O. No. 82 M. Mis., dated 25th January 1897, para 3, the standard statements of vaccination are given in Appendix IV.

Births and Deaths.

147. *Births.*—The births registered during the year 1896 numbered 18,684, exclusive of still-births, being 453 less than the previous year, but more than any other year in the decade. The ratio per 1,000 per annum calculated on the census population of 1891 was 41.2, and on an estimated population for 1896 38.6. The still-births numbered 504, being 2.7 still-births to 100 survivals. It is probable judging from the general conditions prevailing in the town that this figure is much too low and that a number of still-births are not recorded. The male live-births numbered 9,555 and the female 9,129, the proportion being 104.6 to 100. The statement of births month by month shows that from July to November was the most fruitful period of the year as is usually the case in Madras (*vide* Chart I).

Statement of Births for 1896, arranged according to sex month by month and compared with the previous year.

Months.	Males.	Females.	Total 1896.	Total for previous year.	Ratio 1896.	Ratio for the previous year.
January	724	691	1,415	1,825	37.5	35.1
February	571	505	1,076	1,190	28.5	31.5
March	643	577	1,220	1,429	32.3	37.8
April	749	670	1,419	1,371	37.6	36.3
May	786	711	1,447	1,505	38.3	39.9
June	732	683	1,415	1,543	37.5	40.0
July	885	799	1,684	1,744	44.6	46.2
August	917	978	1,895	1,886	50.2	50.0
September	922	897	1,819	1,914	48.2	50.7
October	957	959	1,916	1,924	50.8	51.0
November	910	908	1,818	1,643	49.0	43.5
December	809	756	1,565	1,663	41.5	44.0
Total...	9,555	9,129	18,684	19,137	41.2	42.2

148. The Mahomedan birth-rate 46.8 per 1,000 was considerably above that of the Hindus, 40.7 and of the Christians 39.1. As the Mahomedan death-rate is also above the average of the other castes it is probable that the Mahomedan population is above the census enumeration.

Statement of Births for 1896, arranged according to Caste, showing the proportion of males to every 100 females and their ratios.

Class of People.	POPULATION.			BORN ALIVE.			Number of Males to every 100 Females.	Birth Ratio.
	M.	F.	Total.	M.	F.	Total.		
Christians	19,341	20,401	39,742	787	768	1,555	102.4	39.1
Hindus	1,79,628	1,79,369	3,58,997	7,480	7,157	14,637	104.5	40.7
Mahomedans	26,395	26,789	53,184	1,288	1,204	2,492	106.9	46.8
Others	453	142	595	...	...	...	...	...
Total	2,25,817	2,26,701	4,52,518	9,555	9,129	18,684	104.6	41.2

149. The births for the different castes for the previous ten years is shown in Appendix V, Table II; and according to Wards, Table III. The highest ratio 53.7 was in the 5th Division, South Ward, and the lowest 16.7 in the 3rd Division, South Ward, as was the case last year. The latter contains a large number of shops, bazaars and offices. The birth-rate exceeded the death-rate in all the Divisions except the 1st and 2nd.

Statement of Births, arranged according to Caste, with the ratio per thousand of the population for ten years from 1887.

Years.	BORN ALIVE.					RATIO.				Total Ratio.
	Christians.	Hindus.	Mahomedans.	Others.	Total.	Christians.	Hindus.	Mahomedans.	Others.	
1887	1,201	13,122	1,964	...	16,287	30.2	36.5	36.9	...	35.9
1888	1,285	12,738	1,957	...	15,980	32.3	35.4	36.7	...	35.3
1889	1,437	12,935	1,977	...	16,349	36.1	36.0	37.1	...	36.1
1890	1,447	14,033	2,086	3	17,569	36.4	39.0	39.2	5.0	38.8
1891	1,484	14,506	2,071	...	18,061	37.3	40.4	38.9	...	39.9
1892	1,413	13,385	1,909	2	16,659	35.5	37.1	35.8	3.3	36.8
1893	1,430	14,567	2,223	1	18,221	35.9	40.5	41.7	1.6	40.2
1894	1,481	13,486	2,093	2	17,062	37.2	37.5	39.3	3.3	37.7
1895	1,557	15,177	2,400	3	19,137	39.1	42.2	45.1	5.0	42.2
1896	1,555	14,637	2,492	...	18,684	39.1	40.7	46.8	...	41.2

Table of Meteorological Conditions (from Madras Observatory Register.)

Months.	Reduced atmospheric pressure.	Mean temperature of air.	Mean temperature of evaporation.	Percentage of humidity.	Greatest solar heat in vacuo.	Maximum in shade.	Minimum in shade.	Minimum on grass.	Rainfall in inches.	General direction of wind.	Daily velocity in miles.	Percentage of clear sky.	Percentage of bright sunshine.
January 1896	29.808	78.0	69.6	76	140.9	84.2	66.6	62.1	0.13 (on 2 days)	N. E.	128	70	74.5
February	29.976	76.9	71.4	75	144.2	87.7	66.8	63.0	Nil.	E. by S.	88	88	84.5
March	29.887	80.7	74.5	74	147.4	90.5	71.4	68.0	"	S. E. by E.	126	84	74.3
April	29.865	84.7	78.5	75	148.5	94.2	77.4	75.1	"	S. E. by S.	188	78	77.6
May	29.750	89.1	79.9	66	150.4	101.6	82.3	80.8	"	S.	187	66	63.0
June	29.661	88.6	78.8	63	147.9	99.9	81.9	80.7	1.49 (on 6 days)	S. by W.	191	48	42.1
July	29.721	87.1	77.3	63	145.6	97.6	81.2	79.9	2.12 (on 8 days)	S. W.	204	19	24.7
August	29.772	82.9	76.6	74	140.4	93.5	76.6	74.4	6.04 (on 20 days)	S. W. by S.	147	29	38.3
September	29.802	83.2	77.7	78	144.7	93.0	77.3	75.7	6.00 (on 15 days)	S. by W.	112	40	44.1
October	29.911	81.8	76.7	80	148.8	90.7	74.1	72.1	2.94 (on 9 days)	N. E. by E.	80	61	61.5
November	29.904	78.1	75.4	88	132.1	84.2	73.3	72.5	32.75 (on 19 days)	N. N. E.	125	29	31.7
December	29.037	77.3	73.6	84	134.5	88.5	72.7	70.4	17.21 (on 12 days)	N. E. by N.	156	38	45.3

154. *Mortality from different diseases.*—A comparison of the relative mortality from different diseases in 1895 and 1896 shows that in the latter the small-pox mortality rose from 3 to 42, the highest number since 1891, that a marked rise occurred under measles, a slight one under dysentery and diarrhoea, the deaths from fever, cholera and "other causes" being lower. See also Appendix V, Table IV.

Statement of Mortality from the prevalent diseases in 1896 contrasted with that of 1895.

Years.	Small-pox.	Measles.	Fever.	Dysentery and Diarrhoea.	Cholera.	Total.	Other Causes.	General Total.	Ratio per 1,000
1895	3	240	6,265	2,304	122	8,843	8,209	17,052	37.6
1896	42	494	6,039	2,343	97	9,025	8,106	17,131	37.8
Average for 10 previous years.	30.1	405.2	5,239.0	2,959.7	475.6	9,139.6	8,604.7	17,744.3	39.2

155. *Mortality according to sex and caste.*—Out of a total mortality of 17,131 8,489 were males and 8,642 females, giving the proportion of 98.2 to 100. The number of deaths in the different castes was Europeans, East Indians and Native Christians 1,240, Hindus 13,631, Mahomedans 2,252 and others 8, giving the ratios per 1,000 31.2, 37.9, 42.5 and 13.4.

Statement of Mortality arranged according to sex for the year 1896.

Sex.	Europeans.	East Indians.	Native Christians.	Hindus.	Mahomedans.	Others.	Total.
Males	51	172	405	6,721	1,134	6	8,489
Females	40	183	889	6,910	1,118	2	8,642
No. of Males to 100 Females...	127.5	93.9	104.1	97.2	101.4	3.00	98.2
Ratio per Mille	31.2			37.9	42.5	13.4	37.8

156. The causes of death in the different castes are given in the following table:—

Statement of Deaths arranged according to Caste and Disease for the year 1896.

Castes.	Small-pox		Measles		Fever.		Dysentery		Diar- rhoea.		Cholera.		Injuries.		Other Diseases.		Total.		Total of Males and Females.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Europeans			2	2	6		2	...	4	3			1		42	29	61	40	91
E. Indians	1	3	2	29	46		7	12	12	13	3	4	4	2	114	101	172	183	355
N. Christians	1		18	4	116	116	50	61	15	19	2	7	3	2	199	190	406	389	795
Hindus	22	18	197	211	2380	2663	551	725	239	244	36	87	71	52	3,225	2,064	6,721	6,910	13,631
Mahomedans			24	38	390	391	109	98	41	48	5	3	6	3	559	542	1,124	1,118	2,242
Others					1										5	2	7	2	9
Total...	23	19	237	257	2818	3221	825	896	311	321	46	51	85	59	4,144	3,318	8,489	8,642	17,131

157. *Small-pox.*—During the year there was a considerable increase of small-pox, 194 cases with 42 deaths, giving a case mortality of 21·6 per cent. The incidence on the vaccinated and unvaccinated is shown in the following table:—

	Attacks.	Deaths.	Fatality.
Unvaccinated	79	28	35·4
Said to be vaccinated but no marks	40	7	17·5
Vaccinated	72	7	9·7
Had previous attack of small-pox	3		
Total...	194	42	21·6

158. It is to be regretted that there are no statistics to show the number of vaccinated and unvaccinated persons in the town, for the unvaccinated population amongst whom 79 attacks occurred is a very small one compared with the vaccinated population as shown by the statistics of birth and infantile vaccination. The table however clearly shows the protective influence of a single vaccination so far as the mortality amongst those attacked is concerned, for the fatality amongst the unvaccinated was more than three and a half times as great as among the

vaccinated. That 3 second attacks of small-pox occurred, none of which proved fatal, is in no way remarkable, for the protective influence of an attack in childhood diminishes in later life. There were apparently no cases among the revaccinated, and the supporters of vaccination do not claim that it affords a life-long protection. In this connection the following tabular statement is of interest, as it shows that amongst the unvaccinated small-pox is a disease of childhood, the victims either succumbing or becoming practically immune, whereas amongst the vaccinated but not revaccinated it is a disease of later life when the protective influence has diminished.

	Total deaths.	Under 10 years.	10—20.	Over 20.
Unvaccinated...	28	24	2	2
Vaccinated ...	7	2	1	4

159. In this table the early incidence of fatal small-pox among the unvaccinated is well illustrated, but the number of fatal cases amongst the vaccinated is so small that any exceptional occurrence affects the proportions. If further evidence were available it would probably be found that the vaccinated cases that succumbed in childhood had only been operated on after contracting the disease, or could be explained in some other way, as statistics show that of vaccinated children only 0·5 per cent. contract small-pox under 10 years of age and of the 0·5 per cent. who contract the disease only 1 per cent. die. Out of the 75 unvaccinated who were attacked 45 were not born in Madras and 9 were under the age of compulsory vaccination. The general inference is that had the town been less efficiently vaccinated the disease would have been much more widespread. The following table gives the mortality according to caste and season. It is suspicious that no deaths occurred amongst the Mahomedans, for they have shown more resistance to vaccination than any other class.

Statement of Deaths from Small-pox arranged according to Month and Caste for 1896.

Months.	Euro- peans.	East Indians.	Native Chris- tians.	Hindus.	Mahome- dans.	Others.	Total.
January	...	...	...	1	...	...	1
February	...	...	...	4	...	...	4
March	...	...	...	2	...	...	2
April	...	...	...	8	...	...	8
May	...	...	...	5	...	...	5
June	...	...	...	7	...	...	7
July	...	1	...	2	...	...	3
August	...	...	...	2	...	...	2
September	...	...	1	3	...	...	4
October	...	...	...	2	...	...	2
November	...	...	...	1	...	...	1
December	...	...	...	3	...	...	3
Total...	...	1	1	40	...	...	42
Ratio per mile...	0·1			0·1	...	...	0·09

160. *Cholera*.—143 persons were attacked with cholera during the year. The deaths numbered 97 against 122 in the previous year, 0 in the 1st quarter, 3 in the 2nd, 56 in the 3rd and 38 in the 4th. The disease appears to have been imported in the 3rd quarter from Wandewash and Arcot into the 1st Division in which 45 out of the 56 fatal cases occurred. See Appendix V, Table XI.

Statement of Deaths from Cholera according to Caste for 1896.

Castes.	Males.	Females.	Total.	Rates.
Europeans	...	...	...	0.4
East Indians	3	4	7	
Native Christians	2	7	9	
Hindus	36	37	73	0.2
Mahomedans	5	3	8	0.1
Others	...	...	...	...
Total...	46	51	97	0.2

161. *Measles*.—The epidemic wave of this disease which fell in 1894 when 190 deaths occurred appears to be on the rise again, the deaths in 1895 numbering 249 and in 1896 494. Under existing circumstances practically nothing can be done to check it. Isolation is at present out of the question and owing to the crowding of most houses in the town and the ignorance and indifference of the people in such matters it is almost impossible for any child to escape when once the disease gets into a house.

162. *Fevers*.—These diseases continue to exact a heavy toll on the population, accounting for 6,039 deaths in 1896 and a much larger number more or less incapacitated for work by sickness. The exact causes of the malarial fevers cannot be traced so long at the life history of their parasites outside the human body is unknown, but there is no doubt that a polluted and water-logged soil favours these diseases, and when the sewerage of the town is effectively carried out the mortality may be expected to decrease. The 1st Division suffered the most severely with a death-rate of 16.7 from fevers alone, which is more than the death-rate of some towns from all causes. It is badly drained and contains a large number of poor paddy-boilers and weavers, who live crowded together in defiance of sanitary laws and easily succumb to any prevailing disease. See Appendix V, Table, XVII.

Statement of Deaths from Fevers in 1896, compared with those of the previous ten years from 1886.

Years.	Deaths.					Ratios.					Total Ratio.	Price of 2nd sort Rice in some per Rupee.
	Christians.	Hindus.	Mahomedans.	Others.	Total.	Christians.	Hindus.	Mahomedans.	Others.	Total.		
1886	153	3,329	319	...	3,801	3.3	9.2	5.0	...	8.3	14.1	13.0
1887	277	3,285	475	...	4,037	6.9	9.1	8.9	...	8.9	13.2	13.2
1888	244	2,708	438	...	3,372	6.1	7.5	8.0	...	7.4	11.9	11.9
1889	268	3,429	445	...	4,142	7.1	9.5	8.3	...	9.1	11.0	11.0
1890	344	3,748	599	1	4,692	8.6	10.4	11.1	1.6	10.3	9.6	9.6
1891	418	5,338	989	1	6,731	10.5	14.8	18.5	1.6	14.3	9.2	9.2
1892	384	5,719	787	3	6,893	9.6	15.9	14.7	5.0	15.2	10.1	10.1
1893	381	5,638	788	3	6,828	9.0	15.3	13.8	6.0	14.6	11.4	11.4
1894	307	6,170	842	...	6,129	7.7	14.3	12.0	...	13.5	...	...
1895	336	5,092	832	...	6,260	8.4	14.1	15.6	...	13.8	...	...
1896	315	4,943	731	1	6,039	7.9	13.7	14.0	1.6	13.3	10.6	10.6

163. *Bowel Complaints*.—The deaths from dysentery and diarrhoea numbered 1,721 and 632 respectively against 1,536 and 668 in the previous year. The increased mortality from dysentery occurred in every Division except the 2nd, 3rd and 4th and was fairly spread over the year. Though there was an increase on the previous year the deaths from bowel complaints were well below the 10 years' average.

164. *Mortality according to age*.—The mortality during the year was higher for the ages under 10, equal from 10 to 20 and lower for the ages above 20 than the previous year.

Statement of Deaths during the year 1896 arranged according to age.

Age.	POPULATION.			DEATHS.			Ratio per Mille, 1896.
	Males.	Females.	Total.	Males.	Females.	Total.	
0	6,768	6,899	13,667	2,980	2,590	5,570	407.5
1-4	20,000	21,016	41,016	1,312	1,457	2,769	67.5
5-9	26,174	26,437	52,611	322	392	714	13.5
10-19	41,892	41,200	83,092	310	439	749	9.0
20-39	76,686	78,142	1,54,828	1,098	1,279	2,377	15.3
40-59	40,496	38,447	78,943	1,113	909	2,022	25.6
60	18,801	14,560	33,361	1,354	1,576	2,930	103.3
Total...	2,25,817	2,26,701	4,52,518	8,489	8,642	17,131	37.8

165. *Infantile Mortality*.—The two great predisposing causes, aggregation and insanitary conditions being still prevalent in the town the infantile mortality was as usual high, numbering 298 deaths to every 1,000 births against 276 in the previous year. The figures for the different Divisions are given in the following statement, the 1st and 2nd Divisions showing the highest ratios. The return of still-births, 2.7 per cent. of the live-births, is manifestly incorrect, being not more than half what might be expected to occur.

Statement of Infantile Deaths during 1896, arranged according to Divisions with their ratios.

Divisions.	Births.	Deaths. Under one year.	Ratio to 1,000 births.	Still births.
1st Division	3,045	1,052	345.4	49
2nd "	2,788	1,028	368.7	43
3rd "	2,224	590	265.2	81
4th "	774	162	209.3	11
5th "	3,612	967	267.7	137
6th "	806	242	300.2	23
7th "	3,689	1,017	275.6	113
8th "	1,746	512	293.2	47
Total...	18,684	5,570	298.1	504

166. *Mortality according to Divisions.*—There were great differences in the mortality in different localities as shown in Appendix V, Table V, the 1st Division, Centre Ward, returning 52.1 deaths per 1,000, the 2nd Division, South Ward, 46.4 and the 3rd Division, South Ward, which is within half a mile of the latter and similarly situated as regards the sea, returned only 20.8. The 1st Division, Centre Ward, includes the Tinnevely Settlement and is principally inhabited by paddy boilers. Its general characters have been referred to in previous reports.

Statement of Mortality for 1896 arranged according to Divisions.

Divisions.	Area.	Population.	No. of Houses.	Average No. of persons to a house.	Mortality.	Ratio per 1,000.	Ratio per 1,000 1895.
1st Division	5.31	71,509	13,310	5.2	3,129	43.7	39.8
2nd "	1.02	84,885	7,621	11	3,193	37.8	39.6
3rd "	0.91	59,457	6,144	9.4	2,039	34.2	37.7
4th "	3.88	15,250	2,647	5.7	491	32.1	33.8
5th "	2.81	76,052	9,911	7.6	2,790	36.6	36.5
6th "	4.16	21,590	3,457	6.2	803	37.1	34.6
7th "	2.19	81,288	10,238	7.9	3,058	37.6	37.2
8th "	6.54	41,109	6,345	6.4	1,628	39.6	35.8
Miscellaneous	...	1,878	885	...	...	...	...

Plague Prevention.

Though Madras has fortunately remained free from Bubonic Plague yet precautionary measures against this disease have formed an important feature of the administration during the latter half of the year and the expenses incurred have made an appreciable increase in the expenditure.

In October a special staff consisting of 1 Sanitary Inspector, 2 Overseers and 2 Peons was appointed to inspect the passengers arriving from the North and ascertain their addresses for daily visitation by the Divisional Inspectors. To this staff a Hospital Assistant was subsequently added. After medical inspection was fully organised along the line at Arkonam and other stations and the passengers had their tickets marked with a special punch the work of the Perambore staff

was limited to taking the addresses of such persons as had been passed at Arkonam, so as not unduly to delay the train. About the same time the Port Authorities were asked to inspect the crews and passengers of ships arriving from infected localities and take measures to prevent the importation of the disease into the town by that channel. The Post Master General was asked to disinfect the letters arriving from Bombay, which he declined to undertake. The erection of sheds at Perambore and Cassimode was decided on, vernacular notices about the plague and its prevention were circulated and a number of measures of a general character for improving the sanitation of the town were instituted.

Early in the year it was noticed that a large number of people were coming into Madras from Bombay and it was thought expedient to take more active measures for preventing the spread of the disease, if, as appeared by no means unlikely, it should be imported. The old Regimental Hospital and Lines in Old Jail Street on the borders of Black Town were lent by the Government of India and the Old Women and Children's Hospital, Egmore, now occupied in part as offices, was to be available after six hours' notice. A shed was erected in the compound of the latter for urgent use before the hospital could be handed over. Two bungalows were also rented at Perambore near the station for hospital purposes and a bullock cart was hired to attend daily at the station for ambulance work. Eight Equifax Spray Disinfectors of the wheelbarrow pattern and four Carter's covered ambulances were obtained from England. A limited staff, establishment and equipment, but sufficient to make a start with, were provided for the isolation hospitals, which were placed in charge of the District Surgeons, and the Surgeon General was asked to provide subordinate Medical Officers to take charge of them. The total hospital accommodation was then as given below, allowing about 100 square feet of ground area to each patient:—

Black Town, Native Infantry Hospital	26 patients
" The Armoury and other buildings	64 "
Cassimode 2 sheds 60 ft. x 20 ft. each	20 "
Krishnampet " "	20 "
Perambore " "	20 "
" bungalows	20 "

Total accommodation 170 patients.

The accommodation thus provided was capable of considerable expansion by the erection of sheds for which there was ample space available.

A few segregation sheds were erected as the nuclei of camps in following places:—

Black Town	3 sheds with accommodation for	15 persons.
Vepery	3 " "	30 "
Krishnampet	2 " "	18 "
Perambore	3 " "	25 "

Total 11 sheds with accommodation for 88 persons.

The Perambore sheds were for persons coming from infected localities who had no fixed addresses to go to.

On the representation of the Health Officer that the Municipal Act was absolutely inadequate for giving effect to the fundamental principles of preventive work, compulsory isolation, segregation and disinfection, an urgent application was made to Government for special powers to cope with the emergency, and communications on the subject took place between the Local and Supreme Governments. Shortly afterwards the Epidemic Diseases Act of 1897 was framed and passed, and Regulations under it for the City of Madras were drawn up and published in the *Port St. George Gazette* of the 13th February 1897. These Regulations were translated into the vernaculars and widely circulated, in order that every citizen in the town should know what was required of him, and that people might be fully aware of the penalties they rendered themselves liable to for disobeying or contravening them. Thus with isolation hospitals, segregation sheds and regulations giving ample powers a much greater sense of security was felt and it was believed that any imported cases could be successfully isolated and dealt with. Under these regulations the Municipal executive could enter any house and summarily abate a nuisance. Advantage was taken of this to eradicate a most objectionable form of nuisance, consisting of an untrapped soil-pipe with no flushing tank connecting an upstairs latrine with one on the ground floor, which had been introduced into a number of houses though never with the sanction of the Commissioners. Nearly 200 such tubes were removed by the Public Works Department at the instance of the Health Department.

About the time of the issue of the Plague Regulations the public of Madras was thrown into a state of perturbation by the announcement that the town had been made a pilgrim port and that a batch of pilgrims was about to be sent for embarkation. The Municipal Commissioners unanimously passed a Resolution protesting against this measure and requested that a public meeting of the citizens might be convened for the consideration of the matter. The Chamber of Commerce, Harbour Trust and other public bodies likewise protested. A public meeting was held in the Victoria Hall and a Resolution of emphatic protest was passed and telegraphed to the Secretary of State with the result that the obnoxious measure was eventually rescinded.

In order that the Health Officer might be free to devote his whole time to special work in the event the plague appearing in the town it was decided to appoint an Assistant Health Officer on Rs. 200 a month and Rs. 30 for horse allowance, and Mr. C. T. Mathew, I. R. C. P. & S., Edin., was appointed.

After the publication of the results of Mons. Haffkine's prophylactic inoculations in the Byculla Jail, it was suggested by the Health Officer that the measure should be introduced and that everybody who had been exposed to infection should be inoculated if he would consent to it. He also requested permission to go to Bombay to learn how to prepare the lymph and to study the immunisation of horses for curative serum and the general administration of one

of the largest epidemics of modern times. The Commissioners, however, decided that he should not leave Madras, so syringes were indented for and the Bombay Plague Research Committee was asked to supply the prophylactic which was promised "when more urgent demands were satisfied," which apparently they had not been at the time of writing.

A number of false reports of plague were received but the correct diagnosis was in all cases easy, and up to the time of writing no true case in man or rat has been reported. No undue dependence, however, is placed on the fact that Madras is outside what is known as the "plague belt," being considerably below 20° N. Latitude, for it was found that the plague microbe remained healthy and produced strong colonies when cultivated on Agar under ordinary conditions in Madras.

Sanitary Defects.

167. In accordance with the recommendation of the Army Sanitary Commission that a prominent place in the Annual Health Report should be given year after year to the principal sanitary defects in the city so long as they exist, the following summary is given:—

I. *Drainage*.—The want of a proper sewerage system is probably the most urgent sanitary requirement of the town. A commencement will shortly be made to supply this much felt want, as the Commissioners have decided to begin with the Mylapur District and sewer pipes for the purpose have already been procured. It is expected that work to the extent of about 2 lakhs will be done during the year. A pipe sewer was laid in Parish Venkatachella Iyer Street, with which a number of houses were connected by trapped drains outside the houses, the open drains inside being left *in statu quo ante*. Each trap is ventilated beyond the water seal by a pipe carried above the roof which affords an escape for sewer gas and prevents the seal being forced. The arrangement appears to be a good compromise. The traps being outside are easily inspected and if anything went wrong with them the escape of sewer gas would be in the open air and not in the interior of the houses. It will be several years before the sewerage of the town can be expected to be completed, if one Division is sewered each year it will take 8 years, so that no immediate removal of the existing sanitary defects and consequent soakage of the town site with sewage can be expected. Rs. 63,796 were spent on drainage during the year for new works and repairs.

II. *Water-supply*.—The provision of 2 auxiliary mains has effected a considerable improvement in the constancy of the supply, and the Chemical Examiner's analyses show an appreciable improvement in the quality of the water. Bacteriological analyses have also been made and though a considerable number of water bacteria were present no suspicious bacteria were found such as would indicate that the waters of the tank were polluted. Still the water as supplied to the town contains a considerable amount of vegetable albumin which is apt to decompose in the pipes and it requires efficient filtration to make a really good potable water. Domestic filters have proved with perhaps two exceptions not merely useless but dangerous and central filtration necessitates pumping the cost of which is prohibitive at present. Whilst at home on leave the Health Officer

had several interviews with Messrs. Defries and their Engineer and made full inquiries about Pasteur-Chamberland installations, but found that the cost would be very great and that pumping would be necessary to force the water through the filters. Of the three largest aerated water manufacturers in Madras one has adopted the Berkefeld filter, another the Pasteur-Chamberland, and a third has decided upon the introduction of the latter, so that a good quality of aerated water is procurable by those who can pay for it. Rs. 1,02,140 were spent during the year on the water supply for new works and repairs.

III. *Defects in Conservancy.*—The greatest difficulty is the want of scavengers. The want of control over them lays the city open to great sanitary risk. They leave their work to cultivate their lands when the rain comes and they are most wanted, go to fairs and festivals where they get higher wages, and not unfrequently strike work and are with difficulty induced to return. The recommendation to provide lines for them was adopted by the Commissioners and one plot of ground was purchased on which they were allowed to build their huts, but nothing further has been done about a Labour Law which Government refused to sanction when it was recommended by the Commissioners. The public have if anything greater difficulties with the private scavengers than the Municipality has with the public ones and many complaints are received about them. Much of the private work is done by Municipal scavengers who thus get double pay. It would be difficult to stop this practice, and if it were stopped effectually conservancy would not be improved as there would be a totally inadequate number of scavengers to attend to private house latrines.

(2.) Three new Horbury latrines with 15 seats each were built during the year, but the latrine accommodation in many parts of the city is insufficient for the requirements of the people. There is still a considerable percentage of the population that is not sufficiently civilized to adopt any sanitary arrangement for the reception of excreta.

(3.) The amount of house refuse removed was somewhat less than last year. The carts are now the property of the Commissioners and are kept in repair by the Municipal Workshop establishment. The bullocks and drivers are still supplied by Contractors, and as long as the contract system is maintained it is doubtful whether any considerable improvement will be made in street conservancy. The bullock lines leave much to be desired being mere thatched sheds without proper pavement or drainage.

(4.) The town refuse is still utilized for reclamation within Municipal limits. However the foundations have now been laid for a trial incinerator near the Basin Esplanade road, so there is a prospect of a better state of things.

(5.) The night soil of the Northern portion is conveyed beyond Municipal limits and sold by a Contractor to the ryots. That of the rest of the town is trenched. The passage of the carts through the streets causes a nuisance which is frequently the subject of complaint. The trenching of night soil though easily carried out in a small place does not work satisfactorily with a big one unless a large extent of land is available. Cultivation was carried on in the

Mylapur trenching ground and 6 prizes were taken at the Annual Horticultural Show for the produce, but it is found difficult to make subordinates appreciate the objects of trenching and cultivation and to carry on the latter in the way that will best subserve those objects.

IV. *Intramural burial.*—Sixteen burial grounds were closed during the year but much remains to be done before soil and water are freed from pollution by the bodies of the dead. The high level of subsoil water in consequence of which many of the bodies are buried in water renders this measure of sanitary reform the more important.

V. *Slaughter-houses.*—The Triplicane slaughter house has been closed. The proposed new slaughter house to replace that at Chulay has not been commenced as the Commissioners have not been able to obtain the site selected near the old Powder Mills which belongs to the Military Department.

VI. *Markets.*—The Commissioners have decided to build a new General Market at a cost of 1 lakh. A new private market has been built in the 5th Division on a good plan with sound work. The Jendah Market, Triplicane, 7th Division, has been to a large extent reconstructed.

VIII. *Control of food supplies.*—The want of an Adulteration Act is much felt. The measure has been recommended by the Commissioners. Without some such measure it is impossible to protect the public from fraud, such as adulterated ghee, watered milk and many other similar frauds, some of them distinctly dangerous to health. Meat, grain and fruit are frequently destroyed under Section 367 of the Municipal Act, but this section is of no use for ordinary adulterations as it is necessary to prove that the adulterated articles are unfit for human food and the section on adulteration in the Indian Penal Code only comes in where poisonous substances are used, so that coffee for example might be adulterated to 90 per cent or more with any harmless berry and the vendor would not be liable. This want of an Adulteration Act has been pointed out in several previous reports.

IX. *Congestion and Over-crowding.*—The congestion and overcrowding of the inhabited parts of the Municipal area are as bad as ever. Wide streets running from the sea inland are badly wanted to aerate the stagnant atmosphere, more especially in Black Town, the 2nd and 3rd Divisions. The house room is not sufficient for the rapidly increasing population and the house owners provide for it by building up the courtyards in their houses or building upper storeys to them. It will probably be necessary to lay out new streets on land which has hitherto been reserved for cultivation, but this must necessarily depend on private enterprise. Prosecutions for overcrowding are instituted where particularly bad instances of it are noticed.

X. *Defects in houses.*—The structural defects are as described in previous reports, though much more stringency is observed in dealing with applications to build than was formerly the case. A good deal has been done to abate nuisances

in houses due to faulty latrines and drains and the like and in some instances to close wells, but no action can be taken under the Act to improve the ventilation of a house already built.

XI. *Improvement of Parcherries.*—Under this head certain huts were removed in Perumal Coil Hutting Ground and in Singarathottum where drains were also constructed. Improvements were made in the Chucklers' Hutting Ground, Krishnampet, and a new street in Konditope Parcherry was raised.

XII. *Trades.*—Action has been taken to close Indigo dyeing yards in populous parts of the town and is being taken in respect of places for storing hides, horns and skins, though it has been somewhat delayed through the difficulty of providing a place for the skin merchants to build their godowns as the trade is one of the largest in the town. Paddy-boiling is as offensive as ever in some of the lower class parts of the town, especially the 1st Division, Centre Ward, and no one has yet tried the experiment of building well-paved yards where the work could be carried on on a large scale. The washing of clothes is badly in need of reform, though more supervision is exercised than was formerly the case. It is hoped that when the new sewers are laid down it will be found possible to construct public washing places for the dhobies on a simple plan that will meet sanitary requirements. The cattle yards are still in a bad state in spite of repeated refusal of licenses and prosecution of owners. Milk is stored and curd and butter prepared in very insanitary places and there is nothing that could be called a dairy in the town. However, after repeated *post mortem* observations of the cattle brought for slaughter, a considerable proportion of which are cows, it appears that bovine tuberculosis does not occur in the town, or occurs so rarely that no case has yet been discovered. This is indeed something to be thankful for, for milk from tuberculous udders is one of the most fruitful sources of human tuberculosis. Some improvement has been made in the bakeries and obvious nuisances have been abated, but no good bread is made in the town and without an Adulteration Act it is impossible to prevent the use of alum and other deleterious substances. Bone depôts, salt-fish godowns and tanneries are mostly in non-populous parts of the Municipality and do not affect public health or offend the senses.

XIII. *The river Cooum.*—The scheme for constructing a canal from the Harbour to cause a circulation of water through the river with the tides appears to have been indefinitely postponed. The river was dredged in flood time and a good deal of foul mud from the bottom carried out to sea with good effect. It is understood that this process will be repeated.

Conservancy

168. During the year under review the carts which were hitherto supplied by contractors were purchased from them by the Municipality and worked departmentally.

169. The bullocks and drivers were supplied by contractors.

170. *Cost of Labor, Bullocks and Carts.*—During the year under review the expenditure amounted to Rs. 1,59,742-9-6 against Rs. 1,29,384-1-4 in the preceding

year. The increase is due to less favourable rates having been tendered for the supply of bullocks in the present contract.

	1895—96.			1896—97.		
	Rs.	A.	P.	Rs.	A.	P.
Hire of Scavengers	40,227	4	4	38,242	15	2
Do Bullocks	85,339	12	11	1,16,842	14	9
Do Carts *	3,817	0	1	4,656	11	7
Total	1,29,384	1	4	1,59,742	9	6

* This expenditure is what was incurred in 1895-96 and had to be shown here as the cart contractor, North Range, submitted his bills in arrears and got paid only during the year under review.

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Cattle Carts and Bullocks were distributed in the several wards during the year :—

[illegible]

Statement showing the absence of Conservancy Coolies during 1896-97.

NORTH RANGE.

Months.	Side Coolies.		Box Cart Men.		Cesspool Men.		Cesspool Boys.		Latrine Men.		Latrine Women.		Latrine Boys.		Latrine Girls.		Rubbish Depots Coolies.		Hand Cart Men.		Coolies for unloading Buckets.		Sweepers.		Drivers of all kinds.		Total.		
	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.			
April 1896	346	353	124	127	53	54	127	116	139	119	66	62	12	10	...	1	110	116	220	225	48	53	301	423	29	13	1,572	1,572	
May "	373	345	180	204	42	47	112	106	103	115	60	49	1	3	...	...	155	150	264	272	60	67	349	369	55	21	1,754	1,748	
June "	295	302	153	161	50	56	148	137	144	136	52	51	2	2	...	...	98	100	151	152	32	32	330	368	167	137	1,625	1,572	
July "	287	277	147	139	43	41	65	54	142	131	56	50	1	1	...	...	98	93	154	152	23	31	361	376	84	54	1,462	1,403	
August "	255	292	151	152	55	52	85	96	78	56	32	30	2	...	...	1	123	127	118	103	41	35	230	197	46	43	1,217	1,188	
September "	219	236	161	151	48	56	80	48	87	75	54	30	1	...	...	1	2	106	100	203	172	74	66	263	198	31	19	1,208	1,144
October "	237	270	103	94	37	35	52	41	112	78	54	26	2	...	...	...	57	56	121	87	27	27	203	229	50	25	1,057	992	
November "	176	188	131	151	55	54	48	33	80	77	54	51	2	...	...	...	52	46	127	127	10	10	188	213	23	18	946	988	
December "	261	292	159	197	32	36	70	46	67	99	57	34	11	6	1	...	61	61	142	120	15	15	175	237	29	17	1,050	1,168	
January 1897	237	218	141	126	55	55	51	42	70	56	28	21	5	5	...	1	41	41	101	84	27	37	267	227	83	57	1,016	970	
February "	208	188	141	118	38	28	55	47	70	61	30	19	3	1	2	...	38	25	118	124	20	17	215	218	76	70	1,014	916	
March "	286	271	168	133	44	30	63	48	65	58	51	58	4	1	...	1	31	27	110	109	10	9	218	245	71	49	1,121	1,039	
Total	3,180	3,232	1,753	1,753	532	544	956	814	1,157	1,061	594	481	46	29	6	5	970	942	1,829	1,727	390	389	3,010	3,231	741	524	15,100	14,742	

Statement showing the absence of Conservancy Coolies during 1896-97.

SOUTH RANGE.

Months.	Side Coolies.	Box Cart Men.	Cesspool Boys.	Latrine Men.	Latrine Women.	Latrine Boys.	Latrine Girls.	Rubbish Depot Coolies.	Hand Cart Men.	Coolies for unloading Buckets.	Sweepers.	Drivers of all kinds.	Total.	
	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.
April 1896.	406	530	268	307	187	164	155	146	54	35	35	420	2,637	2,697
May "	547	672	171	233	254	337	191	188	87	80	590	160	2,727	2,957
June "	375	534	263	376	308	201	100	112	74	65	419	335	2,458	2,795
July "	289	417	162	224	150	136	100	118	77	79	356	218	1,850	2,189
August "	317	476	220	273	180	166	125	160	68	68	442	386	2,222	2,591
September "	273	348	155	190	138	140	178	163	89	88	431	315	2,100	2,169
October "	326	475	173	226	147	156	118	115	89	67	355	244	2,039	2,186
November "	320	270	90	125	147	138	139	110	136	56	364	105	1,844	1,702
December "	220	468	169	229	137	134	139	110	106	74	400	117	1,760	1,858
January 1897.	270	296	149	181	185	159	106	99	74	60	485	158	1,831	1,788
February "	280	366	171	226	144	121	130	99	87	50	380	228	1,863	1,800
March "	371	438	210	224	173	141	163	108	77	53	295	102	1,933	1,795
Total...	3,905	5,290	2,321	3,314	3,040	1,881	1,644	1,526	1,010	748	4,943	2,901	25,264	26,587

172. *Absentees.*—During the year under review, the number of absentees amongst the coolies was less than it had been for some years. The supply of coolies however was not equal to the demand and the labour question is one of the most serious problems of the Administration. The Commissioners have no hold on the coolies who go away to till their lands or strike work on account of trivial or imaginary grievances, so that the city may at any time be exposed to the danger of being left uncleaned, which with a dry conservancy system is a very serious one, and if our scavengers fail us no one else can be found to do the work.

173. In the following statement the absentees are compared with those of the previous year:—

	1896-97.					Total.	1895-96.					Total.
	North Range.		South Range.		Total.		North Range.		South Range.		Total.	
	A. M.	P. M.	A. M.	P. M.			A. M.	P. M.	A. M.	P. M.		
Side Coolies	3,180	3,232	3,905	5,220	15,537	3,867	3,852	4,165	5,098	16,982		
Box Cart Men	1,759	1,753	2,221	2,814	8,547	1,994	1,865	2,270	2,535	8,664		
Cesspool Men	552	544	...	...	1,096	686	747	...	...	1,433		
Cesspool Boys	956	814	2,040	1,881	5,691	1,296	967	1,808	1,415	5,486		
Latrine Men	1,157	1,061	1,644	1,526	5,388	1,560	1,133	1,658	1,433	5,784		
" Women	594	481	1,010	748	2,833	643	507	991	693	2,839		
" Boys	46	29	140	112	327	14	15	98	67	194		
" Girls	6	5	47	48	106	25	23	50	34	132		
Rubbish Depot Coolies	970	942	1,721	1,535	5,168	976	820	785	796	3,377		
Hand Cart Men	1,829	1,727	4,138	4,787	12,511	2,576	2,345	5,449	5,459	15,829		
Coolies for unloading Buckets	390	399	422	375	1,586	461	474	866	798	2,599		
Sweepers	3,010	3,231	5,045	4,943	16,229	3,993	3,819	4,031	3,934	15,777		
Drivers of all kinds	741	524	2,901	2,598	6,764	2,126	2,078	6,093	6,023	16,325		
Total...	15,190	14,742	25,264	26,587	81,783	20,222	18,645	28,264	28,290	95,421		
Average...	14,966		25,925.5		40891.5	19,433.5		28,277		47710.5		

174. *Cattle Disease.*—During the year under review there was no epidemic disease amongst the cattle in either Range.

175. *Removal of rubbish and night-soil.*—The following statement shows the quantity of work done by the conservancy establishment during the year under review. The totals given show a decrease under "Rubbish cart loads" and "Latrine cart loads" and an increase under the other heads. The large increase under "Iron single bullock cart loads" was due to an increase in the number of carts.

Divisions.	Rubbish cart loads.	Silt cart or box cart loads.	NIGHT-SOIL.		
			Latrine cart loads.	Bucket loads.	Iron single bullock cart loads.
1st Division	21,636	13,593	1,820	8,110	25,842
2nd "	40,988	33,917	...	29,487	17,813
3rd "	30,810	17,279	...	32,569	...
4th "	5,113	2,800	...	4,533	3,254
5th "	29,977	13,769	3,199	29,416	10,716
6th "	9,695	860	1,460	...	4,745
7th "	37,811	30,004	685	42,659	5,806
8th "	20,037	11,801	2,062	12,707	11,160
Total.	1,96,062	1,24,023	9,226	1,59,431	79,336
Total for 1895-96.	2,00,898	1,04,090	9,558	1,36,770	45,336

176. *Latrines.*—8 latrines, 1 male and 1 female in the 2nd Division, South Ward, and 1 female in the 7th Division, North Ward, were constructed during the year, 1 male latrine in the 7th South was converted into a female one, and 1 male and 1 female latrine in the 1st West were demolished, making the total number 220 against 219 in the previous year.

177. The following table gives the number and distribution of the Municipal latrines:—

Division and Ward.		LATRINES.		Total.
		Male.	Female.	
1st Division.	East	8	7	15
	Centre	9	10	19
	West	4	4	8
2nd "	North	3	3	6
	Centre	1	1	2
	South	3	3	6
3rd "	North	3	1	4
	Centre	...	...	...
4th "	South	1	...	1
	North	7	7	14
5th "	Centre	10	7	17
	South	7	5	12
6th "	North	8	6	14
	South	8	8	16
7th "	North	8	7	15
	Centre	10	8	18
8th "	South	2	2	4
	North	4	3	7
Total...	South	13	13	26
	South	8	8	16
Total...		117	103	220

178. *Sanding latrines.*—The actual expenditure under this head was Rs. 635-6-9. The subjoined table shows according to Wards the amount spent under this head during the year.

Division and Ward.		Amount.		
		RS.	A.	P.
1st Division, East Ward	...	34	0	6
1st " Centre "	...	34	3	4
1st " West "	...	12	2	10
4th " " "	...	188	7	0
5th " South "	...	176	6	9
7th " North "	...	68	14	0
7th " South "	...	22	12	2
8th " North "	...	98	8	2
Total...		635	6	9

179. *Burial and burning grounds.*—The amount spent under this head during the year under review was Rs. 3,038-8-0 against Rs. 2,633-9-0 in the preceding year and against an estimate of Rs. 3,100.

180. *Notices and prosecutions.*—Table No. 9 in Appendix II shows the number of notices served under the several sections of the Act noted in the 1st column of the statement, amongst them may be noted for failing to provide latrines for private houses 117, for depositing ashes, &c., in streets 155, for cleaning filthy premises 930, for cleaning buildings 644, for repairing branch drains, &c., 59.

181. Table No. 10 in Appendix II shows the number of prosecutions instituted in 1896-97 by the Health Department which amounted to 2,466 against 2,450 in the preceding year. Amongst them may be noted for depositing ashes, &c., in the streets 248, for depositing night-soil in dust-bins 495, cleaning filthy premises 161, carrying on offensive trades without a license 281, and selling in prohibited streets 41.

182. The amount imposed in fines under the Sanitary Sections of the Municipal Act during the year was Rs. 1,783-3-0 against Rs. 1,957-7-0 and the amount recovered in license fees by the courts was 1,086 against Rs. 726-10-3.

Sections.	Particulars.	Fines imposed.			License fees recovered.			Total.		
		RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
280	Requiring to provide latrines for private houses	20	12	0	...	...	...	20	12	0
289	For encroaching upon or obstructing street drains	202	13	0	...	...	...	202	13	0
307	" Depositing ashes, &c., in streets	78	15	0	...	...	...	78	15	0
308	" Depositing night-soil in dust-bins	335	12	0	...	...	...	335	12	0
313	" Keeping filth more than 24 hours	1	8	0	...	...	...	1	8	0
314	" Allowing sewage to flow in streets	24	0	0	...	...	...	24	0	0
316	" Removing night-soil in a cart without cover	1	8	0	...	...	...	1	8	0
321	" Filthy premises	85	4	0	...	...	...	85	4	0
332 & 333	" Carrying on an offensive trade without license	818	12	0	497	0	0	815	12	0
335	" Using a place as a Hack stable or cattle yard without license	375	12	0	406	0	0	781	12	0
343	" Using a place as a Bake House without license	111	4	0	183	0	0	294	4	0
348	" Slaughtering sheep in a place other than in a Slaughter-house	63	0	0	...	...	...	63	0	0
362 & 362	" Keeping open unlicensed markets	3	0	0	...	...	...	3	0	0
328	" Cleansing or filling up tanks and wells	4	0	0	...	...	...	4	0	0
346	" Using a place as a Slaughter House without license	2	0	0	...	...	...	2	0	0
431	" Obstructing Municipal servants in the performance of their duty	9	4	0	...	...	...	9	4	0
366	" Selling in prohibited streets	18	0	0	...	...	...	18	0	0
317	" Obstructing drains	4	8	0	...	...	...	4	8	0
336	" Keeping swine so as to be a nuisance to the neighbourhood	104	12	0	...	...	...	104	12	0
294 & 95	" Causing obstruction in the streets	6	8	0	...	...	...	6	8	0
332	" Using an unregistered ground for burial or burning	10	0	0	...	...	...	10	0	0
360	" Feeding animals with night-soil	10	0	0	...	...	...	10	0	0
Total.		1,783	3	0	1,086	0	0	2,869	3	0

183. *Dust-bins.*—The following statement, giving details of dust-bins in each Ward during 1896-97, shows an increase on last year, 532 new corrugated iron dust-bins being supplied :—

Division and Ward.		CORRUGATED IRON.			Wrought Iron.	Cuddapah.	Masonry.	Total.
		New during the year.	Old.	No. sent to Store and not returned.				
1st	East	20	115	...	5	14	2	156
"	Centre	50	163	10	4	6	43	276
"	West	25	78	2	...	9	28	142
2nd	North	10	191	1	...	28	267	497
"	Centre	10	150	6	...	2	131	299
"	South	35	165	10	1	3	24	238
3rd	North	10	251	...	1	24	70	356
"	Centre	39	119	6	...	43	5	212
"	South	10	74	6	...	4	2	96
4th	...	20	42	...	1	2	1	66
5th	North	40	231	4	...	33	7	315
"	Centre	60	131	13	2	56	64	326
"	South	50	146	6	4	33	18	257
6th	North	10	69	3	...	4	...	86
"	South	18	150	...	4	47	3	222
7th	North	25	169	1	5	10	56	266
"	Centre	30	224	10	7	72	13	356
"	South	15	293	7	...	39	7	361
8th	North	35	184	9	4	19	15	266
"	South	20	192	18	6	30	2	268
Total.		532	3,137	112	44	478	758	5,061

Improvement of Pacherries.

184. *Singarathottam.*—Two more streets were opened in addition to 5 streets opened already. Drains were constructed in one of the streets and the roadway raised and sectioned with debris. An estimate was submitted for sanction to construct drains, &c., to the other streets.

201. The Band of the Madras Volunteer Guards played at the Park 9 times from April to July 1896. The attendance then was fair. The Police were present at the Park on Band evenings to preserve order.

Menagerie Collections.

Month and Date.	Births.	PRESENTS.		PURCHASE.		Sale.	Casualties.
		Name of Animal.	From whom and what place.	Name of Animal.	From whom and what place.		
1896.							
April.	1	...	...	...	...	...	1 Orang-out-ung.
	17	...	...	1 Cassowary.	Captain Brown.	...	...
July.	2	2 Rabbits.	...	...	...	2 Rabbits.	1 Green pigeon.
	4	...	...	...	...	1 White Rat.	...
	18	1 Monkey.	...	1 Adjutant	Park Supt.	...	...
Aug.	23	...	...	...	...	...	1 Rabbit.
	1	1 Civit Cat.	...	...	...	...	Do
	10	2 White rats	2 Hyenas.	2 Black Panthers	Capt. Brown.	...	2 Pigeons.
	...	...	...	1 Orang-Outang.	Ali Khan Sahib.	...	1 Adjutant.
	...	...	...	4 Singapore Parrots.	...	...	1 Badger.
Sept.	5	3 Pigeons.	...	...	...	1 Cassowary.	...
	6	...	...	...	...	...	2 Rabbits.
	19	...	...	...	...	...	1 Orang-out-ung.
Oct.	20	2 Rabbits.	...	...	...	...	Do.
Nov.	16	...	...	...	...	1 Rabbit.	...
	30	...	...	...	...	...	1 African Baboon.
Dec.	5	2 Pigeons.	1 Sambures	Commander S. S. Menachie.	...	...	1 Tiger Cat.
	...	2 Rabbits.	...	...	...	...	...
	8	...	...	...	...	...	1 Nylghau.
	10	2 Rabbits.	...	...	...	...	1 Rabbit.
	16	...	...	...	...	...	1 Pigeon.
	17	...	1 Owl.	M. O. Alasingera	...	...	1 Python.
	...	...	2 Cats (kitten)	Cherry. Asst. Supt. Tel. Stores.	...	...	...
1897	20	...	...	...	...	...	1 Hyena.
Jany.	6	1 Rabbit	...	...	...	...	...
	18	1 Rabbit	...	...	...	...	1 Night heron.
	...	2 Pigeons.	...	...	...	...	1 Python.
Feb.	2	2 Pea fowls.	...	...	...	...	...
	20	...	...	1 Tapir.	Haji Abdulla Sahib.	...	1 Black Monkey.
March.	26	...	...	...	...	...	...
	22	1 Rabbit.	...	...	...	...	1 Phasant.
	25	...	...	...	...	...	1 Nylghau.
	...	...	...	...	...	...	1 Leopard.
	...	...	...	...	...	...	1 Pea fowl.

202. The saleable value of the live stock in the People's Park amounted to Rs. 8,409.

203. The following is the statement of Receipts and Disbursements for the year 1896-97:—

Disbursements.	Amount.			Receipts.	Amount.		
	RS.	A.	P.		RS.	A.	P.
Establishment	3,187	6	0	Proceeds of sale of hay and grass	1,980	15	4
Labour.				Menagerie collections	3,190	5	0
Gardeners, &c.	3,617	7	0	Miscellaneous	414	8	3
Cook and grass Cutters for Animals	99	2	8		5,585	12	7
Feeding Animals and Birds	6,605	15	11	Government Grant for the upkeep of the Zoological collections	2,000	6	0
Purchasing Animals and Birds	2,634	8	0		7,585	12	7
Oil for lighting	19	12	8				
Carts and Candles for Band	4	2	0				
Clothing for Sergeants and Peons.	90	12	9				
Weeding and cutting grass	943	5	7	Met from the Municipal Funds	11,380	11	1
Sundries, including Carpenters' wages	445	6	10				
Repairing and painting Band-stand seats	35	14	8				
Repairing and painting lamp posts, &c.	10	6	3				
Purchasing tubs, manure and plants	684	14	5				
Stationery	35	13	11				
Printing	20	14	7				
Advertising	107	14	0				
	15,356	7	3				
Tools and Plant	422	10	5				
Total Rs	18,966	7	8		18,966	7	8

204. (b) *Napier Park*.—The following is the statement of Receipts and Disbursements for the year 1896-97:—

Disbursements.	Amount.			Receipts.	Amount.		
	RS.	A.	P.		RS.	A.	P.
Establishment	381	0	6	Proceeds of sale of hay and grass &c.	2,885	2	5
Allowance to the Superintendent, People's Park	120	0	0				
Labor.	501	0	6				
Gardeners, &c.	1,764	8	6				
Clothing for Peons	20	0	5				
Cutting grass	258	12	6				
Contingencies	77	5	7				
	2,120	15	0				
Tools and Plant	4	13	0				
Total Rs.	2,626	12	6				
Balance in favour	258	5	11				
Total Rs.	2,885	2	5	Total Rs.	2,885	2	5

205. *Robinson Park*.—The Park continues under the management of a Committee of which the President of the Madras Municipal Commission is the Chairman and Mr. C. Pinsent, Honorary Secretary.

206. The gross amount of receipts from the sale of grass, &c., during the year under review was Rs. 8,212-12-9.

207. The total receipts including the opening balance of Rs. 3,194-13-10 were Rs. 11,407-10-7 with an aggregate expenditure of Rs. 7,205-1-2 on account of Establishment, &c., leaving a closing balance of Rs. 4,202-9-5, made up of Rs. 1,089-12-11 being deposit returnable to customers when withdrawing, and Rs. 3,162-12-8 being the net balance belonging to the Committee.

Fire Engines.

208. The total cost of maintenance of the Steam and the Manual Fire Engines was Rs. 8,714 against Rs. 4,783 last year. Excess is due to maintenance of 2 additional Fire Engines.

209. There were 5 fires for which these Engines were called out and at which the Steam Engines did excellent work.

Other Charges.

210. *Contribution to Provincial Funds*.—A sum of Rs. 50,000 was contributed under this head as directed in G. O., dated 25th March 1892, No. 585 M. Local and Municipal.

Grant V—(Supervision and Management.)

211. The total expenditure for the year under report was Rs. 99,918-9-3 whereof Rs. 42,169-14-3 relate to assessment and collection, the percentage being respectively 6.96 and 2.94 to the total revenue and receipts of Rs. 14,36,114-15-10. Deducting therefrom the Government special grant of Rs. 1,50,000 the percentage would be 7.77 and 3.28 respectively.

Re-payment of Debts.

212. The following table shows the progress of Sinking Funds towards liquidation of Loans:—

Loans.	Balance on 31st March 1896.		Receipts during 1896-97.		Total.		Payments during 1896-97.		Balance on 31st March 1897.	
	In Government Securities.	In Cash.	In Government Securities.	In Cash.	In Government Securities.	In Cash.	In Government Securities.	In Cash.	In Government Securities.	In Cash.
W. W. Loan of 1869-73 14,30,000	7,87,300	4 13 10	26,900	28,600 0	0 7,94,200	28,604 13 10	28,537 4	67,94,200	67 9 4	
Debenture Loan of 1879 20,000	7,500	44 7 9	700	708 9 5	8,200	748 1 2	719 14 1	8,200	28 8 1	
W. S. E. Loan of 1882 2,50,000	88,000	2 11 2	7,400	7,726 4 2	95,400	7,728 15 4	7,630 15 0	95,400	98 0 4	
B. T. Drainage Loan of 1882 1,00,000	35,200	42 3 4	3,000	3,084 2 7	38,200	3,126 5 11	3,093 11 11	38,200	32 10 0	
" " 1883 8,00,000	93,100	88 3 7	8,600	9,218 9 1	1,01,700	9,806 12 8	9,272 5 5	1,01,700	34 7 2	
" " 1885 8,00,000	69,500	24 4 5	8,000	8,153 6 7	77,500	8,177 11 0	8,132 6 1	77,500	45 4 11	
" " 1887 1,00,000	6,700	9 1 7	1,000	1,053 14 7	7,700	1,063 0 2	1,012 9 11	7,700	50 6 3	
" " 1888 1,50,000	8,800	106 14 8	1,500	1,458 15 5	10,300	1,575 14 1	1,525 8 9	10,300	60 5 4	
" " 1889 1,50,000	7,500	55 4 7	1,400	1,473 9 8	8,900	1,528 14 3	1,425 15 3	8,900	102 15 0	
W. W. Loan of 1889 20,000	900	108 4 0	200	203 2 9	1,100	311 6 9	211 0 10	1,100	99 15 11	
B. T. Drainage Loan of 1890 50,000	2,100	1 7 7	400	473 5 2	2,500	474 12 9	404 12 1	2,500	70 0 8	
W. W. Loan of 1895 4,00,000	2,800	71 1 0	2,900	3,196 10 3	5,700	3,267 11 3	3,147 14 10	5,700	79 12 5	
Total 32,70,000	108,940	555 13 6	62,000	65,355 9 8	1,15,140	65,914 7 2	65,154 12 8	1,15,140	759 10 6	

213. Refunds of other than Current Collections.

	In 1896-97.			In 1895-96		
Tax on Arts, etc.	Rs.	75	0 0	against Rs.	...	...
Do Buildings	1,061	7 5		"	1,051	5 5
Do Lands	13	7 11		"	...	...
Water Tax on Buildings	416	8 10		"	409	6 6
Do Lands	5	6 3		"	...	...
Lighting Tax on Buildings	132	9 11		"	131	5 1
Do Lands	1	11 1		"	...	...
Tax on Vehicles with springs.	6	0 0		"	5	0 0
Do Animals	19	0 0		"	20	8 0

Fees for Licenses for import of

Timber and Firewood ...	Rs. 2,854	1	11	„	„	1,262	4	0
Miscellaneous ...	„ 2,958	11	0	„	„	1,309	14	2
Total Rs.	7,544	0	3	„	„	4,189	11	2

No. II Account.

214. The Stores, Workshops and Deposits were operated upon to the extent exhibited below in comparison with the previous year.

	1896-97.	1895-96.
Opening Balance ...	Rs. 5,38,888 6 4	Rs. 4,84,209 8 2
Receipts during the year ...	„ 3,72,416 14 0	„ 7,93,846 8 3
	„ 9,11,305 4 4	„ 12,78,056 0 5
Disbursements during the year ...	„ 3,47,010 6 3	„ 7,39,167 10 1
Ending in Closing Balance ...	„ 5,64,294 14 1	„ 5,38,888 6 4

Workshop.

215. The following table exhibits the monthly value of the work turned out by the Municipal Workshop.

Months.	Amount.	Remarks.
April 1896 ...	10,489 0 1	
May „ ...	11,778 8 7	
June „ ...	15,586 5 0	
July „ ...	12,377 2 7	
August „ ...	14,856 2 10	
September „ ...	14,068 10 2	
October „ ...	17,020 14 0	
November „ ...	11,104 1 7	
December „ ...	11,611 2 7	
January 1897 ...	10,628 14 10	
February „ ...	11,572 14 1	
March „ ...	9,606 11 7	
Total Rupees...	1,50,650 7 11	

MUNICIPAL OFFICE,
MADRAS,
2nd August 1897.

G. M. J. MOORE, Lieut.-Col.,
President, Municipal Commission.

[illegible]

APPENDIX I.

Items.	Actuals, 1896-97.				Budget Estimate for 1896-97.	Revised Estimate for 1898-97.	Actuals, 1896-96.	Explanation of variations between the Actuals and the Revised Estimate of 1896-97.
	Details of Minor Heads.		Totals of Major Heads.					
	A. P.	B. R.	A. P.	B. R.				
1	2	3	4	5	6	7		
5. Miscellaneous—	ES.	A. P.	B. R.	A. P.	B. R.	A. P.		
(a) Freight forward		18,34,668	9	9,13,73,660	0	13,72,470	0	
(b) Payment for water for non-domestic purposes	27,632	9	0	19,000	0	23,000	0	
(c) Sundry Receipts—Water-works	1,502	0	0	2,800	0	2,800	0	
(d) Other Items	3,459	0	0	4,000	0	4,000	0	
(e) Sale of Lymph	2,467	4	0	2,100	0	2,300	0	
(f) Refund from Expenditure of previous years.	3,060	3	1	1,000	0	1,600	0	
Total	...	38,110	3	27,900	0	32,600	0	
6. Extraordinary and Dab—								
(a) Water-works Loan of 1895						4,00,000	0	
(b) Realisation of Sinking Fund—Interest on Water-works Loan of 1895-73	27,104	13	40	27,000	0	27,000	0	
Advances recovered—								
i. Permanent	68	14	0			50	0	
ii. Others	26,163	9	2	10,000	0	35,840	0	
Total		36,216	7	10,000	0	35,900	0	
Total Receipts		14,36,114	13	10,14,26,390	0	14,67,970	0	
Grand Total		20,35,607	8	6,16,85,290	0	6,80,87,460	0	

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1896-97.

Items.	Actuals, 1896-97.		Budget Estimate for 1896-97.		Revised Estimate for 1896-97.		Actuals, 1895-96.		Explanation of variations between the Actuals and the Revised Estimate of 1896-97.
	Details of Minor Heads.	Totals of Major Heads.	RS.	A.P.	RS.	A.P.	RS.	A.P.	
1	2	3	4	5	6	7			
GRANT I.—(Public Works).—									
I. New Works.—									
(a) Communications	9,681 8 1		15,060 0 0	14,420 0 0	8,631 10 3				The acquisition of land for opening Avadannam Paupier Lane was not settled by the Dy. Collector within the year as anticipated and some claims for work done were not preferred in time.
(b) Buildings	22,142 8 2		4,300 0 0	33,000 0 0	33,950 2 4				Although the tender for Iron Works, Fire bricks and Fire clay for the Incinerators was accepted on 28-10-96 the materials were not received and paid for within the year as anticipated, as the date of payment depends on the date of shipment of materials and is beyond the control of this Department. They were however paid for on 6-4-97.
(c) Drainage	55,371 10 8		800 0 0	68,470 0 0	36,827 11 11				Some claims for work done were not preferred in time.
(d) Water-supply	56,520 12 4		20,000 0 0	63,320 0 0	4,27,981 8 7				Do.
(e) Miscellaneous	337 0 0		330 0 0	530 0 0	870 8 7				Do.
Total.	...	1,54,033 7 3	40,690 0 0	2,34,740 0 0	5,03,061 9 8				
2. Repairs.—									
(a) Communications	1,33,402 11 6		1,05,400 0 0	1,41,100 0 0	1,15,140 10 0				Some claims for materials supplied were not preferred in time.
(b) Buildings	14,724 5 3		8,140 0 0	19,330 0 0	17,464 1 2				Some claims for work done were not preferred in time.
(c) Drainage.—									Do.
Repairs to Works, &c.	1,60,078 8 1		1,53,480 0 0	1,65,950 0 0	1,53,615 2 1				Excess represents the proportionate Exchange allowance paid to the Health Officer.
Establishment	14,836 8 0		14,690 0 0	14,690 0 0	14,522 13 0				
Overtime	907 15 10		930 0 0	930 0 0	843 2 1				
Allowances	482 2 2		450 0 0	490 0 0	364 3 1				
Leave Allowances	...		150 0 0	150 0 0	44 13 3				Savings.
(d) Water-supply.—									Do.
Repairs to Works, &c.	45,619 5 1		36,500 0 0	49,490 0 0	48,515 12 8				Some claims for work done and materials supplied were not preferred in time.
Establishment	10,867 11 5		11,690 0 0	11,000 0 0	10,368 12 1				
Allowances	1,202 6 0		300 0 0	1,210 0 0	285 13 4				
Leave Allowances	87 12 0		120 0 0	120 0 0	45 5 4				
(e) Miscellaneous	185 11 9		500 0 0	870 0 0	629 8 4				Do.
Total.	...	3,62,515 1 10	3,32,350 0 0	4,06,380 0 0	3,59,840 0 5				
3. Establishment.—									
(a) General.—									
In-door	19,926 14 11		20,810 0 0	20,000 0 0	17,575 16 8				Savings.
Out-door	...	5,36,548 9 1	3,73,047 0 0	6,40,078 0 0	8,62,903 10 1				

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1896-97.—(Continued).

APPENDIX I.

Items.	Actuals, 1896-97.		Budget Estimate for 1896-97.	Revised Estimate for 1896-97.	Actuals, 1896-97.	Explanation of variations between the Actuals and the Revised Estimate of 1896-97.
	Totals of					
	Details of Minor Heads.	Major Heads.				
1	2	3	4	5	6	7
Grant I.—(Continued).						
3. Establishment—(continued).						
(a) General—						
Out-door Allowances	19,990 4 11	5,36,548 9 1	2,73,040 0 0	6,40,070 0 0	8,93,901 10 1	
Leave allowances	6,394 0 0		6,400 0 0	6,400 0 0	6,068 2 8	Savings.
Steam Road Roller—	4,878 8 11		900 0 0	900 0 0	751 8 1	Do
Establishment.	355 14 5		240 0 0	240 0 0	241 15 8	Do
Overtime	336 2 5		900 0 0	900 0 0	900 0 0	Do
Fitters' Staff	407 6 1		600 0 0	400 0 0	268 1 3	Do
	128 15 4		140 0 0	140 0 0	135 15 8	
Total...	20,866 5 6	5,36,548 9 1	30,110 0 0	29,100 0 0	25,904 2 4	
4. Tools and Plant						
Miscellaneous—	1,088 5 11	22,754 8 11	5,300 0 0	32,630 0 0	3,955 2 3	Provision is made in the Revised Estimate for the purchase of a 12 horse-power Engine portable with steam boiler but was not ordered for within the year.
(a) Stationary.	427 9 8		1,500 0 0	1,500 0 0	1,916 7 7	
(b) Printing Charges	4,878 8 11		1,000 0 0	1,000 0 0	1,640 1 8	
(c) Advertising Charges	355 14 5		2,000 0 0	2,000 0 0	2,530 7 0	
(d) Law Charges and Stamp Duties	336 2 5		800 0 0	800 0 0	721 13 3	
(e) Office Furniture	407 6 1		500 0 0	500 0 0	310 2 7	
(f) Contingent	118 5 8		120 0 0	120 0 0	326 15 6	
(g) Water-works Contingent	1,366 2 7		1,300 0 0	1,300 0 0	1,191 2 11	
(h) Labor-Punkah	7,826 10 0		7,500 0 0	7,500 0 0	1,530 10 7	
(i) Clothing for Peons and Badges for Road Coolies	374 2 0		1,500 0 0	1,500 0 0	7,757 8 2	
(j) Fuel, Oil, &c., for Steam Road Roller		18,848 5 9	16,170 0 0	16,170 0 0	17,947 1 2	Some claims for work done and articles supplied were not preferred in time.
(k) Inspection of dangerous Buildings		6,06,774 8 9	4,24,420 0 0	7,23,330 0 0	9,10,770 15 10	
Total...						
Total Grant I.						

GRANT II.—(Education.)

1. Training Schools—						
(a) Stipends to teachers attending Training Schools						
(b) Do. Seasonal Schools	101 15 3		600 0 0	600 0 0	399 15 0	Teachers were not available for training.
Total	210 0 0		400 0 0	410 0 0	420 0 0	Small number of teachers passed during the year.
2. Result Grants						
3. Inspection—						
Establishment	901 2 1		900 0 0	900 0 0	900 0 0	
Allowances	240 5 2		240 0 0	240 0 0	240 0 0	
Contingent	60 8 0		50 0 0	60 0 0	53 0 0	
Total	1,201 15 3		1,190 0 0	1,200 0 0	1,193 0 0	
4. Miscellaneous—						
(a) Building grants	30 0 0		1,000 0 0	1,000 0 0	230 5 0	Bills not presented in time.
(b) Furniture, apparatus, &c.	697 9 6		500 0 0	1,900 0 0	220 5 0	
Total	717 9 6		1,500 0 0	1,900 0 0	220 5 0	
Total Grant II.						
1. Hospitals and Dispensaries—	12,308 15 0		13,190 0 0	14,480 0 0	12,146 2 6	
i. Triplicane Hospital—						
(a) Establishment	3,087 0 6		3,320 0 0	3,320 0 0	2,985 12 9	Decrease is due to appointment of pupil nurses on less salaries and to fines.
(b) Medicines and supplies	6,970 12 8		8,480 0 0	8,670 0 0	6,845 11 5	Decrease is due to the introduction of purveyor system.
(c) Diets of Patients	3,360 9 2		4,060 0 0	4,060 0 0	4,392 6 3	
ii. Black Town Dispensary—						
(a) Establishment	2,843 10 0		2,840 0 0	2,840 0 0	2,979 3 6	
(b) Medicines and supplies	5,016 6 9		4,430 0 0	5,130 0 0	8,167 3 5	Savings.
iii. Divisional Dispensaries						
Total	21,278 7 1		26,680 0 0	24,020 0 0	23,320 5 4	
2. (a) Contribution to Provincial Funds—						
i. Hospitals						
ii. Medical College	20,000 0 0		20,000 0 0	20,000 0 0	20,000 0 0	High Estimate.
(b) Contribution for St. Thome Dispensary	5,298 0 0		5,500 0 0	5,500 0 0	6,611 0 0	
(c) Do do Convent Dispensary	1,000 0 0		1,000 0 0	1,000 0 0	983 5 4	
(d) Do do Victoria Caste and Goshala Hospital	320 0 0		240 0 0	320 0 0	160 0 0	
(e) Do do Sembium Dispensary	500 0 0		500 0 0	500 0 0	500 0 0	
Total	27,118 0 0		24,340 0 0	27,320 0 0	28,254 5 4	
Carried over...	48,396 7 1		50,970 0 0	51,340 0 0	53,574 10 8	
	6,19,078 7 9		4,37,610 0 0	7,36,810 0 0	9,22,917 2 4	

* Includes Rs. 1,000 transferred from Building Grant vide G. O. No. 532 M. Mis., dated 15th March 1897.

APPENDIX I.

19

Items.	Actuals, 1896-97.				Budget Estimate for 1896-97.	Revised Estimate for 1896-97.	Actuals, 1895-96.	7
	Details of Minor Heads.		Totals of Major Heads.					
	RS.	A. P.	RS.	A. P.				
- 1								
Brought forward...								
GRANT V.—(Concluded).								
2. Head Office—(Concluded).								
(c) Printing Charges	4,471	3 1			4,570	0 0	4,570	0 0
(d) Advertising Charges	61	15 2			80	0 0	80	0 0
(e) Insurance on Office Premises	988	7 0			30	0 0	30	0 0
(f) Office Furniture	116	13 10			690	0 0	690	0 0
(g) Contingent	232	12 9			350	0 0	350	0 0
(h) Labor-Punkah	110	11 5			400	0 0	400	0 0
(i) Clothing for Peons	35	9 7			120	0 0	120	0 0
Total.			5,768	12 10	6,230	0 0	6,230	0 0
3. Assessments and Collection—								
(a) Establishment	39,114	8			39,030	0 0	39,030	0 0
Allowances	388	7 4			400	0 0	400	0 0
Leave Allowances	1,675	13 7			1,800	0 0	1,800	0 0
(b) Stationery	1,746	9 5			2,500	0 0	2,500	0 0
(c) Printing Charges	188	10 0			300	0 0	300	0 0
(d) Advertising Charges	4,386	8 4			2,000	0 0	2,000	0 0
(e) Law Charges and Stamp Duties	378	3 10			350	0 0	350	0 0
(f) Office Furniture	1,038	8 1			1,000	0 0	1,000	0 0
(g) Contingent	223	13 6			240	0 0	240	0 0
(h) Labour-Punkah	625	9 7			400	0 0	400	0 0
(i) Clothing for Inspectors and Peons	2,169	8 3			2,500	0 0	2,500	0 0
(j) Extra Writers, Coolies and Cart	940	0 0			1,000	0 0	1,000	0 0
(k) Commissioners' Fees					900	0 0	900	0 0
(l) Numbering Doors								
Total.			53,378	12 7	52,270	0 0	59,270	0 0
4. Contribution for General Office and Audit Establishments								
Total Grant V.			99,918	9 3	94,560	0 0	1,06,700	0 0

Decrease is due to savings and non-presentation of bills in time.

Repayment of Debt.—										Sinking Fund—										Advances Recoverable—										Refund of other than Current Collections										Pensions and Grants—										Total Expenditure.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
W. W. Loan, 1869-73										W. W. Loan, 1869-73										Permanent										Refund of other than Current Collections										(a) Superior Grade										(b) Inferior Grade																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1896-97. (Continued.)

Items.	Actuals, 1896-97.		Budget Estimate for 1896-97.	Revised Estimate for 1896-97.	Actuals, 1895-96.	Explanation of variations between the Actuals and the Revised Estimate of 1896-97.
	Details of Minor Heads.	Totals of Major Heads.				
	Rs.	A. P.	Rs.	A. P.	Rs.	
1	2	3	4	5	6	7
Brought forward—						
Closing Balance—	4,46,952	11 0				
General Fund	8,729	1 2				
Water-works Fund						
Lighting Fund	23,048	15 2				

N.B.—Sums aggregating Rs. 1,66,449-10-10 were transferred from the General Fund to the credit of the Water-works Fund to close the latter account in pursuance of G. O. No. 519 M., Local and Municipal, dated 4th June 1897, up to 31st March 1897.

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1897 and forming the Opening Balances of 1897-98.

List of Liabilities or Credit Balances transferred to the ensuing year—	RS. A. P.		RS. A. P.	RS. A. P.
	RS.	A. P.	RS.	A. P.
BALANCE OF LOANS—				
Water-works Loan of 1869-73			1430000	0 0
Debenture Loan of 1879			20,000	0 0
Water Supply Extension Loan of 1882			250,000	0 0
Black Town Drainage Loan of 1882			1,00,000	0 0
Do Do 1883			3,00,000	0 0
Do Do 1885			3,00,000	0 0
Do Do 1887			1,00,000	0 0
Do Do 1888			1,50,000	0 0
Do Do 1889			1,50,000	0 0
Water-works Loan of 1889			20,000	0 0
Black Town Drainage Loan of 1890			50,000	0 0
Water-works Loan of 1895			4,00,000	0 0
DEPOSITS TO BE ADJUSTED			2,06,402	12 11
Unpaid Liabilities			1,08,835	0 0
List of Assets or Debit Balances transferred to the ensuing year—				
MUNICIPAL BALANCE—				
Cash			1,28,730	11 4
Fixed Deposit			3,50,000	0 0
DEPOSIT BALANCE—				
Cash	68,912	12 11		
Fixed Deposit	70,690	0 0		
Government Securities, &c.	66,800	0 0		
			2,06,402	12 11
SINKING FUND FOR THE LIQUIDATION OF				
Water-works Loan of 1869-73	7,94,267	9 4		
Debenture Loan of 1879	8,228	3 1		
Water Supply Extension Loan of 1882	95,498	0 4		
Black Town Drainage Loan of 1882	38,232	10 0		
Do Do 1883	1,01,734	7 3		
Do Do 1885	77,545	4 11		
Do Do 1887	7,750	6 3		
Do Do 1888	10,350	5 4		
Do Do 1889	9,002	15 0		
Water-works Loan of 1889	1,199	15 11		
Black Town Drainage Loan of 1890	2,570	0 8		
Water-works Loan of 1895	5,779	12 5		
			11,52,159	10 6
VALUE OF PREMISES—				
Shed for Rubbish Depot Supt. at Manaly Bridge	225	0 0		
Mustering shed at Kathewakam High Road	300	0 0		
Mantapam at the Chetty's Burial and Burning Ground, Washermanpett	145	0 0		
Royapuram Material Depot shed	180	0 0		
Pumping Station and Drivers' Quarters at Royapuram	25,000	0 0		
Superintendent's Quarters at Outfall Channel	1,000	0 0		
Overseer's Office Room at Trivettore High Road	210	0 0		
Fire-Engine shed close to the temple gate in Mannarsawmy Covil Road	300	0 0		
Monegar Choultry Slaughter-house	6,900	0 0		
Conservancy Overseer's Mustering shed at Slaughter-house Road	160	0 0		
Vaccination shed at Monegar Choultry Road	400	0 0		
Shed at Ghousse Moideen Street for Timber Establishment	400	0 0		
Tiled shed Toll Gate, Trivettore High Road	375	0 0		
Do do Old Ennore Road	375	0 0		
Shed at Toll Gate No. 3 Manaly, 1st Division	500	0 0		
Municipal Stores and Workshops	21,000	0 0		
Travelyan Reservoir	50,000	0 0		
Overseer's Office, Wall Tax Road	375	0 0		
Storekeeper's Office, Basin Road	250	0 0		
Portion of Police Station in China Bazaar Road	1,180	0 0		
Sanitary Overseer's shed, Basin Road	290	0 0		
Superintendent's shed at the Wharf, Wall Tax Road	210	0 0		
Overseer's Office, Water-works, Govindappa Naick Street	1,800	0 0		
Municipal Cart Stand and Bathing Fountain, Elephant Gate Road	11,800	0 0		
Steam Road Roller's zinc shed, Wall Tax Road	825	0 0		
Carried over...	1,24,200	0 0	18,37,293	2 9 35,85,237 12 11

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1897 and forming the Opening Balances of 1897-98.

		RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Brought forward	...	90,611	13	0	27,40,416	9	11	35,85,237	12	11
OTHER ADVANCES—(Continued.)	4,251 12 11									
Owners of houses in Habibullah Sabib Street, Triplicane	5 1 11									
Owners of houses in Mahomed Abdullah Saib Street, Triplicane	595 12 0									
Owner of No. 21, Chinnathambi Mudali St.	0 1 5									
Do Triplicane High Road	3 4 0									
Do Kothody Parcherry	5 12 0									
Murugesu Naicker	0 1 9									
Pulayan Nadar	0 10 0									
Pulugammall	1 10 0									
Rathnasabapathy Mudali	7 10 2									
Ramanujam Chetty	3 7 3									
Y. Ramasawmy Mudali	54 8 0									
P. Rathnavelu Mudali & V. Narayanasawmy Pillay	9,320 8 5									
R. Sabapathi Mudali	10 5 9									
Soobramoniaya Chetty, Maliah Chetty and Kistnasawmy Chetty, owners of Hutting Ground in Culmantapam Road	36 14 7									
P. Sundrabhashyakarulo Naidu	1,042 4 3									
The Surgeon, 4th Dist.	355 8 2									
Mr. W. D. Smith of Messrs. Smith and Andrews	2 4 10									
The Surgeon, 1st Dist.	13 15 4									
Thangalam	5 1 1									
Therumalay Chetty	8 3 8									
S. Veeraragava Chetty	5 4 1	15,780	1	7	1,06,341	14	7			
Total					28,46,758	8	4	35,85,237	12	11

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	GRANT I.—Public Works.				
	I. NEW WORKS—				
	(a) Communications.				
1	Opening Aradanam Paupier Lane into Vijja Vigneswarer Covil Street, as well as to Ashtabujam Road	3,000	...	...	Land is under acquisition by the Dy. Collector.
2	Forming a footpath along Mount Road on the western side from Messrs. Wiele and Klein's premises to Waller's Road, 7th Division	1,030	...	747	Work completed but not paid in full.
3	Rebuilding the bridge in Erukaucherry Road, 4th Division...	4,400	...	3,408	Do
4	Land for widening Monegar Choultry Road	220	...	...	Under acquisition.
5	Constructing a culvert in Montioth's Road, 5th Division	240	...	206	Work completed.
6	Re-opening of Male Asylum Road	1,800	782	1,135	Do
7	Constructing a Culvert in Male Asylum Road, 5th Division	100	27	57	Do
8	Constructing a water course in Spur Tank Road	120	26	...	Do
9	Improvement of Vengu Pillay Street, 5th Division.	1,000	323	636	Do but not paid in full.
10	Rail fencing the western side of Madavakum Road from Lunatic Asylum to Pursawankum High Road, 6th Division	2,900	...	2,442	Work completed.
11	Rail fencing Montioth's Road from parapet to Messrs. Deschamps Gate, 5th Division	320	...	309	Do
12	Removing and renewing the culverts at Otary Burial ground, 6th Division	240	...	230	Do
13	Constructing a culvert of two 2 ft. Spans in Brighton's Road, 4th Division	300	...	...	Do but not paid for.
14	Petty works	700	...	491	
	Total...	16,470	1,158	9,661	
	(b) Buildings.				
15	Corrugated iron dustbins	3,000	...	2,704	Work completed.
16	Constructing timber and firewood, Licensing Station at Ennore including the value of land...	2,130	...	607	Work in progress.
17	Extending and altering the cook-room attached to the Superintendent's quarters, Monegar Choultry Slaughter House, 1st Division	155	...	133	Work completed.
	Carried over...	5,285	...	3,444	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Fast expenditure.	Expenditure during the year.	Remarks.
	Brought forward...	Rs. 5,285	Rs. ...	Rs. 3,444	
	GRANT I.—Public Works.				
	I. New Works—				
	(i) Buildings—Continued				
18	Fixing one 15 seat Horbury Latrine for males near Grain Bazaar Wall Tax Road, 2nd Division ...	890	20	863	Work completed.
19	Fixing one 15 seat Horbury Latrine for females near Grain Bazaar Wall Tax Road, 2nd Division ...	890	78	809	Do
20	Constructing two Horbury Latrines of 15 seats each—one for males and the other for females—in Ebramji Saib Street, 3rd Division ...	1,850	38	1,591	Do
21	Constructing two Horbury Latrines in Devaraja Mudaly Street, 7th Division ...	1,700	248	1,536	Do
22	Constructing two Horbury Latrines in Cox Paracherry, 7th Division ...	1,900	80	1,752	Do
23	Constructing two Horbury Latrines in Mangapathy Naick Street, 7th Division ...	1,900	1,554	247	
24	Constructing Male and Female Horbury Latrines of 10 seats each in Muthu Paracherry, Kilpauk, 6th Division...	1,620	1,258	67	Do
25	Erecting cholera shed in Kristnampet, 8th Division.	18,650	3,369	10,147	Do
26	Extending the zinc fencing at the northern end of the lion's cage, People's Park ...	260	91	114	Do
27	Converting the sanded Male and Female Latrine in Perambore Barrack's Road, into a standard pattern, 5th Division ...	1,100	965	...	Do
28	Altering a sanded Male and Female Latrine behind the Egmore Police Station into one of standard pattern, 5th Division ...	1,100	828	628	Do
29	Opening a cemetery at Kilpauk, 6th Division ...	16,410	12,084	Cr. 99	Work in progress.
30	Constructing two Horbury Latrines of 20 seats in Venkataranga Pillai Street, Triplicane, 7th Division ...	2,250	1,850	...	Work completed.
31	Constructing two Horbury Latrines of 15 seats each at Hanumantharoyan Coril Street ...	1,760	203	1,548	Do
	Carried over...	52,425	22,124	22,647	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	Brought forward...	52,425	22,124	22,647	
	(GRANT I.—Public Works.				
	I. NEW WORKS—				
	(b) Buildings—Concluded.				
32	Fixing two 20 seats Horbury latrines at Chetty's Garden, 7th Division ...	2,425	1,881	168	Work completed.
33	Constructing Engine room, extending W. W. Overseer's Office room and removing and re-roofing east side Verandah ...	1,190	144	964	Do
34	Additional Works to Royapetta Hospital ...	5,560	3,959	1,745	Do
35	Constructing an Incinerator ...	1,00,000	...	2,337	Work in progress.
36	Constructing a New Market ...	1,00,000	...	433	Do
37	Land for a Vaccine Depot at Mylapore, 8th Division ...	300	...	271	
38	Constructing a Bathing fountain for males and females in the Compound No. 507, South end of Mint Street, 2nd Division ...	2,260	...	367	Work abandoned.
39	Erecting a Tiffin room on the Western side of the Sanitary Inspector's Office in Municipal Office premises, 3rd Division ...	330	...	266	Work completed.
40	Constructing a new tile-roof shed for Blacksmiths in the Compound of the Municipal Workshop, 2nd Division ...	1,800	...	1,548	Work completed but not paid in full.
41	Constructing a new furnace for casting at the Municipal Workshop, 2nd Division ...	220	...	159	Do
42	Land for a passage to the latrine near Ramaswamy Pillay Street, Parasawakum, 5th Division ...	200	...	200	
43	Constructing a Toll-station at the limits of Er. Chenchery Road, Veyasepady ...	850	...	3	Work completed but not paid for.
44	Re-building the tumbled down wall on the southern side of Kristnampet Pumping Station ...	270	...	...	Do
45	Building and raising partition walls and making 2 openings for gateways at the Drivers Quarters Royapuram Pumping Station, 1st Division ...	210	...	...	Do
46	Levelling the ground of Cholera Sheds and out-houses at Kristnampet and forming the road...	1,860	...	...	Do
47	Covering the open portion of the shed for stock of cement and sand at Stores ...	260	...	165	Work completed.
48	Re-building the cement and stores shed at Municipal Stores ...	960	...	...	Work in progress.
49	Petty Works ...	750	...	830*	
	Total...	2,71,870	28,108	32,142	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
GRANT I.—Public Works.					
I. NEW WORKS.—					
(c) Drainage.					
50	Extending the centre covered drain in Venkatachella Anchary Street, Komaleeswaranpet, 5th Division	120	...	107	Work completed.
51	Constructing 6 in. Masonry drain in Minor Street in Mukternisa Begam Street, 7th Division	130	...	104	Do
52	Do 6 in. Masonry drain in Nili Veera Chetty Street, 7th Division	140	...	132	Do
53	Do 9 in. Masonry drain on both sides of Narayanappa Naick Street, 1st Division	1,440	64	1,024	Do
54	Do three sluices for letting water to Dorasawmy Pillay's garden lately purchased at Out-Fall Channel, 1st Division	140	48	48	Do
55	Do 12 in. Masonry drain back of Mr. Sidden's house and joining with the old drain in Mrs. Kennedy's compound, 5th Division	300	114	158	Do
56	Constructing 6 in. Masonry drain in Gangathareswarar Cevil Road, 5th Division	145	110	4	Do
57	Constructing 6 in. Masonry drain in Tippana Street, 7th Division	400	...	391	Do
58	Do 6 in. Masonry drain in Kandappa Madali Street, 7th Division	180	...	158	Do
59	Do 9 in. Masonry drain in Basuviah Street, 1st Division	790	...	692	Do
60	Do 8 in. Masonry drain in Ramonappa Cootam Street, 1st Division	870	...	755	Do
61	Do 6 in. Masonry drain on both sides of Sukayappa Street from Valluvan Street to Ramangiar Street	685	246	395	Do
62	Do a trough at the end of Out-Fall Channel for letting sewage into the sea, 1st Division	440	195	252	Do
63	Extending 2 ft. drain from the Well on the South side of Robinson Park, 1st Division	4,350	1,502	...	Do
Carried over		10,110	2,285	4,218	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
Brought forward		10,110	2,285	4,218	
GRANT I.—Public Works.					
I. NEW WORKS.—					
(c) Drainage—Continued.					
64	Extending 1 ft. Masonry drain in Poonamallee Road from 1st milestone to the east end of compound wall of the Ice Manufacturing Company, 5th Division	320	29	208	Work completed.
65	Do 6 in. drain in Poosala Gengu Nuddy Street, 5th Division	470	139	264	Do
66	Raising the outside wall of the drain along China Bazaar Road, from Popham's Broadway junction to Mast Street and covering the same with iron gratings, 2nd and 3rd Divisions	5,300	2,013	1,339	Do
67	Excavating and sinking an ordinary brick well at Robinson Park, 1st Division	600	...	...	Do
68	Constructing 9 in. Masonry drain in East Cemetery Road from Narayanappa Naick's Street towards north	550	58	410	Do
69	Do 6 in. Masonry drain in Nullappa Vathiar Street from the junction of Narayanappa Naick to Ramanajar Streets	1,360	285	753	Do
70	Do 6 in. Masonry drain on both sides of Vami Street from Narayanappa Naick Street to Valluvan Street	1,170	139	348	Do
71	Do 6 in. Masonry drain in Haji Ballah Sahib Lane, 7th Division	200	...	144	Do
72	Do Removing 2,400 feet of 12 in. stoneware pipes laid from Kristnampet to Triplicane Pumping Stations and returning the same to Stores to use them for drainage works, 7th and 8th Divisions	500	447	65	Do
73	Black Town Drainage	10,73,500	10,71,337	5,782	Do
74	Constructing 6 in. Masonry drain in Pulleppan Street from Triplicane High Road to Sheikh Davood Street, 7th Division	600	...	650	Do
75	Do 6 in. Masonry drain in Hanumantharoyan Cevil Lane, Triplicane	120	...	108	Do
76	Fixing 12 cement pipes 18" diameter at the breach in the end of the Out-Fall Channel to carry the sewage into the sea, 1st Division	165	...	46	Work completed but not paid in full.
77	Constructing 2" drain and 6" drain at the back of the mustering shed at Carniswarer Cevil Road, Mylapore, 8th Division	345	...	206	Work completed.
Carried over		10,95,400	10,76,732	15,145	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	Brought forward...	10,95,400	10,76,732	15,149	
	GRANT I.—Public Works				
	I. NEW WORKS—				
	(c) Drainage—Concluded.				
78	Constructing a channel from DeMellow's Road Pumping Station to the Rubbish Depot for carrying the sewage water to the latter, 4th Division	875		392	Work completed but not paid in full.
79	Do 400' of 6" Masonry drain on the north side of Avadannam Ramanjier Street, 1st Division	230		182	Work completed.
80	Do 9 in. Masonry drain on the eastern side of Venkatarayer Lane, 2nd Division	230			Work in progress.
81	Do Drains in Motus Khan Garden	1,180		1,127	Work completed.
82	Erecting an additional cesspit and laying and connecting 4 in. pipe beneath the wooden bridge at the end of Sunkuvar Street for the discharge of drain water the dead end being let into the mouth of cesspool erected in the canal for the discharge of drain water to the Krishnampet Sewage Farm	180		25	Work completed but not paid in full.
83	Constructing 18 in. Masonry drain across Popham's Esplanade Road with the scoop drain, 3rd Division	190		100	Work completed.
	Madras New Drainage—				
84	Choolay	5,49,600		36,874	Work in progress.
85	Mylapore	3,00,000		946	Do
86	Petty works	1,000		507	Do
	Total...	19,48,835	10,76,732	55,372	
	(d) Water supply.				
87	Laying 8 in. and 6 in. pipes from 42 in. Main through Vinayachandhi Mudali Street and Flower's Road to Poonamallee Road, removing 4 in. and 8 in. in the said roads, 5th Division	6,230		6,801	Work completed.
88	Taking 2½ in. branch from 7 in. Main in Kalmanthapam Road and laying 750 feet of 2½ in. piping and fixing 2 double discharge cock fountains in Shaik Maistri and Pakry Maistri Streets, 1st Division	610		366	Do but not paid in full.
89	Do 2½ in. branch from 8 in. Main in 2nd Narayanan Street and laying 220 feet of 2½ in. piping in 1st Narayanan Street and fixing 2 discharge cock fountains at the junction of Varathier and 1st Narayanan Streets, 2nd Division	240		88	Do
	Carried over...	7,080		6,944	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past Expenditure.	Expenditure during the year.	Remarks.
	Brought forward..	Rs. 7,080	Rs. ...	Rs. 6,844	
	GRANT I.—Public Works.				
	I. New Works—				
	(d) Water-supply.—Continued.				
90	Removing about 300 feet of 1½ in. pipe laying and jointing 350 feet of 3 in. in Sankaram Chetti Street and fixing a double tap fountain just opposite to premises No. 13, in the said Street, 3rd Division	510	...	498	Work completed.
91	Connecting 2½ in. main in Avadanum Paupier Road with 2½ in. in Calatheappa Mudali Street, through Darmaraja Covil Street and to erect a double stand-pipe fountain in the southern end of Darmaraja Covil Street, Chulai, 5th Division	280	...	211	Do. but not paid in full.
92	Laying 2 in. pipes in Perinthumbi Mudali Street from 4 in. main in Sattana Naick Street and erecting 2 single stand-pipe fountains, one in the north and the other in the south of Perinthumbi Mudali Street, Chulai, 5th Division.	370	...	337	Work completed.
93	Laying 2 in. pipes in Chinnathambi Naicken Street, Kowapet, taking branch from 7 in. main in Pudu Street and erecting 2 single stand pipe fountains, one to the North and the other to the South of Chinnathambi Naicken Street, 4th Division	280	...	275	Do.
94	Removing 2½ in. pipes and relaying 4 in. instead connecting 28 service pipes, 3 hydrants and a fountain in Avadanum Paupier Street, 5th Division	1,260	...	842	Do. but not paid in full.
95	Laying 2 in. pipe in Veerasamy Mudali Street taking branch from 8 in. main in Kandappa Mudali High Road and erecting a double stand pipe fountain	240	...	229	Work completed.
96	Do 2 in. from 3 in. main in Thayar Saib Street to Meran Saib Street and fixing a double tap fountain in the same Street, 7th Division	160	...	148	Do.
97	Removing 2½ in. and 1½ in. pipes from South Madavithi that lead to the fountain in the southern side of Pachasaraithi Covil Tank and substituting with 4 in. and 3 in. pipes up to the junction of Hanumanthi Coyer Covil Street, 7th Division	730	...	726	Do.
98	Laying 415 feet of 3 in. and 90 feet of 2 in. pipes in the east and west of Chendraban Street taking branch from 27 in. main in Harris Road for the former and connecting the same with Nagappa Mudali Street and erecting a double stand pipe fountain in Nagappa Mudali Street, Puduket, 5th Division.	600	...	597	Do.
	Carried over.	11,610	...	10,707	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost
Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past Expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	Brought forward...	11,510		10,707	
	GRANT I.—Public Works.				
	1. NEW WORKS—				
	(d) Water-supply.—Continued.				
99	Laying an additional line of iron pipes over the aqueduct at No. 5 mile for bringing down more water found necessary owing to the laying of Auxiliary mains and extension of Water Supply.	1,800		1,604	Work completed.
100	Taking a 2 in. branch from the 4 in. main in Thachamuthiappan Street and laying along Senoo Mudaly lane and erecting a double tap fountain at the open ground in the middle of the Street, 2nd Division	140		86	Do. but not paid in full.
101	Do 2 in. branch from the 14 in. main in Umman Pagoda Street and laying, connecting the pipe in Street, 1st Division and fixing a double tap fountain in the middle of the street, 2nd Division	330		243	Do
102	Laying 2½ in. and 3 in. pipes from 10 in. main in Mint Street through Krasappen Ally for fixing a single tap fountain at the northern end of Theagaraya Pillay Street and another single tap fountain at the northern end of Comarappa Mudali Street, 2nd Division	400		220	Do
103	Do 2 in. C. I. pipe in the western end of Lala Cooty Street taking branch from 7 in. main of Narayana Chetty Street and turning the 2 in. main into Veerasawmy Pillay Street and erecting a double stand pipe fountain in the said Pillay St., Perambur	140		120	Work completed.
104	Do 2 in. pipes from Mowbray's Road to the junction of village of St. George's Cathedral Road and fixing a well 2 discharge Cock fountain, 8th Division	120	17	116	Do
105	Do 2 auxiliary mains starting from Kilpauk masonry shaft, one running through the Southern side of the 4th to the 1st Division and the other passing through the 6th to the 8th Division	3,50,000	3,50,865	31,521	Do
106	Fixing meters, &c.	11,900	11,768	Or. 18	Do
107	Extending 7 in. & 1 in. and 5 in. pipes C.I. from the 24 in. main in Ramana Street and laying along Wallajah Road south and connecting with 21 in. main in General Hospital Road, 2nd Division	6,630	6,418	77	Work completed.
	Carried over...	3,02,880	3,66,306	44,583	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	Brought forward...	3,92,830	3,68,868	44,582	
	GRANT I.—Public Works.				
	I. New Works—				
	(d) Water-supply—Continued.				
108	Connecting a 4 in. pipe from the 7 in. main in Hanumantharoyen Covil Street and laying through Singanna Naik Street, Yellacundappa Chetty Street and Wall Tax Road, 2nd Division.	1,100	1,068	Cr. 206	Work completed.
109	Laying and jointing 1,777 feet of 4 in. pipe connecting the 6 in. near 4 tap pillar fountain in Popham's Broadway with the 7 in. in Mun-nady Street removing 1,219 feet of 2 in. 1½ in. and 1¼ in. piping and connecting the existing services, 3rd Division	2,070	2,025	1	Do
110	Laying pipe 9 in. 8 in. and 7 in. from 36 in. in Poonamallee Road junction with Ritherdon Road west-ward to Ganga Reddy Road, 5th Division...	5,650	4,950	178	Do
111	Do 6 in. and 5 in. pipe from 18 in. Main in Poonamallee Road to Toll gate and removing 4 in. and 3 in. from the said road and relaying to the Village of Chet-put and connecting the Parcherry pipe in Harrington's Road, 5th Division	6,700	5,888	234	Do
112	Excavating laying and jointing 6 in. and 4 in. pipes in Armenian Street from 7 in. Main at the cistern fountain southern end of the Street and connecting the same with the 7 in. Main at the junction of Mukur Nullamthu Chetty Street, 3rd Division	1,730	1,652	50	Do
113	Substituting a 4 in. pipe removing the 3 in. and 2½ in. pipes from the junction of Wall Tax Road and Tirupalle Street up to the junction of Therupalle Street and Mulla Sahib Street, 2nd Division	1,760	1,642	36	Do
114	Removing the 3 in. and 2½ in. pipes in Cutcherry Jabamalai Madah Church Road and Bazaar Road and substituting in their stead 6 in. pipes, 8th Division	7,620	5,325	204	Do
115	Taking 3 in. branch from 4 in. Main at Thathamuthiappen Street to Manigunda Mudali Street and laying 290 feet of 3 in. pipe and connecting the house service connection, 2nd Division	270		149	Do. but not paid in full.
116	Extending the 4 in. Main through Cope Venkata-cholla Iyer Street and lane and connecting the same with Govindappa Naicken Street, 2nd Division	490		419	Do
117	Laying 4 in. C. I. pipe from 7 in. Main in Chitra-kolum to Car Street and connecting with 2 in. Main in North Mada Vithi, Mylapur, 8th Division	880		775	Do
	Carried over...	4,21,100	3,91,413	46,422	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost
• Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
		Rs.	Rs.	Rs.	
	Brought forward ..	4,21,100	3,91,413	46,422	
	GRANT I.—Public Works.				
	I. NEW WORKS—				
	(d) Water-supply.—Continued.				
118	Laying 3 in. and 2½ in. pipes in Appiah Metta Street by taking a 3 in. branch from 2½ in. Main in Mint Street ..	200	...	197	Work completed but not paid in full.
119	Removing 600 ft. of 4 in. 200 ft. of 2½ in. and 50 ft. of 2 in. and laying and jointing 1,372 ft. of 6 in. and 424 ft. of 5 in. pipes throughout Thyappa Mudali Street from 7 in. Main in St. Xavier Street and connecting 3 in. in Ibrahimji Sahib Street and reconnecting all the existing Service, 3rd Division ..	2,820	...	2,709	Do
120	Do 200 ft. of ½ in. and 185 ft. of 3 in. pipes and laying down 300 ft. of 4 in. and 285 ft. of 3 in. pipes instead in Niva Mutla Mudali Street to Venkatesh Lane and Street from 7 in. Main in Sala Vinayagar Covil Street and fixing a single tap fountain in the middle of Venkatesh Street, 3rd Division ..	527	...	490	Work completed.
121	Laying pipe from 7 in. main in DeMellow's Road and fixing a tap inside the Pig Slaughter-house, 4th Division ..	250	...	247	Do
122	Laying 2 in. C. I. pipe and fixing two stand pipes one in the new burial ground and one in wharf at Yellapatha Madali Covil Road, 8th Division ..	600	...	651	Work completed but not paid in full.
123	Do 2 in. C. I. pipe from 4 in. main in Carmeswarer Covil Street to the Rubbish depot of Mysapore and fixing two stand pipes for the use of cultivation, 8th Division ..	480	...	436	Do
124	Do 3 in. C. I. pipe in Atiya Mudali Street, 2nd Division and removing the 3 in. main 100 feet ..	330	...	373	Do
125	Do 2 in. pipe and erecting two tap fountains in Gumbor Sahib Street, 7th Division ..	190	...	188	Work completed.
	Carried over ..	4,26,560	3,91,413	51,502	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part I.—New Works—Continued.

No.	Description of Works.	Amount of Estimate.	Past expenditure.	Expenditure during the year.	Remarks.
	Brought forward...	Rs. 4,26,560	Rs. 3,91,413	Rs. 51,502	
	GRANT I.—Public Works.				
	2. New Works—				
	(d) Water-Supply.—Concluded.				
126	Removing 3,700 ft. of 6 in. 4 in. and 3 in. C. I. pipes cleaning the same by means of Manual Fire Engine and relaying the same with its connections about 50 in number and also removing, cleaning and relaying the 1½ in. pipe connections in Black Town Dispensary in Monegar Choultry Road ...	930	...	595	Work completed but not paid in full.
127	Laying 6 in. and 4 in. C. I. pipes from 7 in. main in Chitrakulam Street and connecting 4 in. pipe to the 2½ in. main in Kasavaperumal Covil Street and Sollappa Mudali Street and fixing a wall 2 discharge cock fountain in the middle of the Chitrakulam South Street, 8th Division, Mylapore ...	1,780	...	1,662	Do.
128	Extending the 4 in. pipe of Thambu Naicken's lane and connecting with the 4 in. main of Cope V. Katschella Iyer Street, 2nd Division ...	140	...	14	Do.
129	Excavating, laying and jointing 350 ft. of 4 in. pipe from 8 in. main in Thatha Muthiappen Street and fixing a double tap fountain in the middle of Muthiala Naick Street, 3rd Division ...	500	...	45	Do.
130	Fixing three Taylor and Son's hydrants, one at the Honourable Rai Bahadur, P. Ananda Charlu's house, one at Government Brickfield and a third at Sladen Gardens in Poonamallee-Road ...	170	...	...	Do. but not paid for.
131	Laying 4 in. pipes C. I. taking branch from 12 in. main in Mint Street through Samudra Mudali Street, 2nd Division ...	450	...	278	Do. but not paid in full.
132	Taking 2½ in. main in Chengalraya Mudali Street passing through Ganapathy Mudali Street ...	690	...	...	Work abandoned.
133	Fixing meters ...	2,000	...	1,502	Work completed but not paid in full.
134	Flushing pipes ...	1,000	...	35	Do.
135	Petty works ...	1,000	...	868	
	Total...	4,35,220	3,91,413	56,521	
	(e) Miscellaneous.				
136	Supplying 200 Demarcation Stones with marks M. M. O. noted on each ...	330	...	33	Work completed.
137	Petty works ...	200	...	4	
	Total	520	...	337	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost
Rs. 100 or upwards.

Part II.—Repairs.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year	Remarks.
		Rs.	Rs.	
	GRANT I.—Public Works.			
	II. REPAIRS—			
	(a) Communications.			
	Reform by Contract—			
1	Materials	74,500	54,480	
2	Cartage	12,400	11,476	
3	Labour for reforming	7,100	6,349	
4	Labour for rolling	1,940	1,750	
5	Repairs—Materials	40,480	59,527	Includes the value of material in stock.
6	Repairs to Culverts and Footpaths	500	251	
	Repairs to Bridges—			
7	Repairing Canal Bridges	3,000	2,057	
8	Repairing the bridge over the Otary Nalla in Strahan's Road, 5th Division	540	504	Work completed.
9	Petty works	640	245	
	Total	1,41,700	1,33,403	
	(b) Buildings.			
10	Requiring the Brahmin Man in the burial and burning of Kathivaram Road, 1st Division	230	142	Work completed.
11	Do the same in Wall Tax Road, 2nd Division	250	231	Do
12	Do the latrine back of grain Bazaar, Wall Tax Road, 2nd Division	270		Do. but not paid for.
13	Do the latrine in Mathanaherry, 2nd Division	270	164	Work completed.
14	Do the General Market, 3rd Division	800	646	Do
15	Do the male and female latrines in Arunachella Pandaram Street, 5th Division	210	108	Do
16	Do the compound wall of the Chulai Slaughter House, 5th Division	250	140	Do
17	Do the parapet wall of the Eastern platform and drain in the Chulai Slaughter Depot, 5th Division	380	307	Do
18	Do the male latrine in Kosapet Oobrapallam, 5th Division	300	236	Do
	Carried over	2,950	2,037	

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works, estimated to cost Rs. 100 or upwards.

Part II.—Repairs—Continued.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
	Brought forward...	Rs. 2,950	Rs. 2,037	
	GRANT I.—Public Works.			
	II. REPAIRS—			
	(b) Buildings—Continued.			
19	Repairing the male and female latrine near Boria-kolum, 5th Division ...	120	93	Work completed.
20	Do the male and female latrine in Grama-parachery, 5th Division ...	200	243	Do
21	Do and painting Pumping Stations ...	1,000	712	Do but not paid in full.
22	Do the Municipal Office premises ...	650	716	Work completed.
23	Do the Red Hills Bungalows ...	600	96	Do but not paid in full.
24	Do Royapetta Hospital ...	230	187	Work completed.
25	Do Smithfield Market ...	6,600	5,927	Do
26	Do Delivery Channel Bungalows ...	350	425	Do
27	Forming the road in the Municipal cart stand near the Elephant Gate Bridge Road ...	70	...	Do
28	Repairing the compound wall of the Stores next to the Municipal Workshop ...	160	155	Do
29	Do the bullock shed at the Choolay Cart Depot ...	300	299	Do
30	Do the double Latrine in Monegar Choultry Road ...	70	34	Do
31	Do Municipal Workshop ...	200	160	Do
32	Repairing male and female latrines in Saravana-Perumal Mudali Street, Purnawakum, 5th Division ...	250	202	Do
33	Do the Southern and Western boundary wall of Napier Park, 7th Division ...	180	73	Do
34	Do the Conservator's Store shed at Red Hills ...	180	58	Work in progress.
35	Do the Superintendent's quarters at the Slaughter House, Perambur ...	130	102	Work completed.
36	Do Whitewashing and painting the contagious disease shed at Monegar Choultry Hospital, 1st Division...	810	687	Do but not paid in full.
37	Do the Black Town Dispensary building of the Monegar Choultry Hospital, 1st Division...	330	331	Work completed.
38	Do the Slaughter-house at Royapuram, 1st Division ...	140	...	Work in progress.
	Carried over...	15,580	12,536	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs.—Continued.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
	Brought forward ...	Rs. 15,680	Rs. 12,536	
	GRANT I.—Public Works.			
	II. REPAIRS—			
	(b) Buildings.—Continued.			
39	Repairing the bear's cage attached to the Menagerie People's Park ...	250	237	Work completed.
40	Petty works ...	3,500	1,951	
	Total ...	19,380	14,724	
	(c) Drainage.			
41	Repairing the drain in Ananthoon Road, 1st Division ...	100	86	Work completed.
42	Do " in East Madak Church Road, 1st Division ...	200	152	Do
43	Do " in Inspector Subrayaloo Naidu Street, 1st Division ...	100	85	Do
44	Do " in Strahan's Road, 4th Division ...	230	...	Work completed but not paid for.
45	Do the 18 in. tile drain in Hunter's Road, 5th Division ...	170	110	Work completed.
46	Do the 2 feet drain on the north side of South Madak Church Road, 1st Division ...	540	471	Do
47	Do the 1 ft. Masonry drain in Narayana Chetty Street, Periamet, 5th Division ...	150	103	Do
48	Do the 1 ft. side drain in Narayana Naick Street, Padupet, 5th Division ...	550	388	Do
49	Do 9 in. Masonry drain in Ramiah Pillai Street, Periamet, 5th Division ...	180	104	Do
50	Do the side drain in Thirumalai Mudali Street, Purusawakkam, 5th Division ...	240	157	Do
51	Do the side drain in Srinivas Pillai Street, Egmore, 5th Division ...	120	71	Do
52	Do the drain on the north side of Egmore High Road from Police Station to Police Commissioners Office Road, 5th Division ...	190	155	Do
53	Do do in Thiruvattiswaranpettah Road from Triplicane High Road to Bell's Road, 7th Division ...	270	313	Do
54	Do do in Mosque Street from Virasagaya Mudali Street to Office Venkataschela Mudali Street, 7th Division ...	930	787	Do
55	Do the southern side drain in Ice House Road, 8th Division ...	870	...	Do but not paid for.
56	Do do from Venkataschela Mudali Street to Mahomed Hussain Khan Street ...	600	...	Do do.
57	Do the side drain in Peter's Road from toddy shop to Royapettah High Road ...	700	...	Do do.
	Carried over...	5,740	2,960	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs.—Continued.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
	Brought forward ...	Rs. 5,740	Rs. 2,960	
	GRANT I.—Public Works.			
	II. REPAIRS—			
	(c) Drainage.—Continued.			
58	Repairing the drain in Johnny John Khan Road on the eastern side from the culvert to Ice House Road ...	100	87	Work completed.
59	Do the drain in Muzaffarzag Bahadur Street from Triplicane High Road to Sheik Thavooth Street ...	390	385	Do
60	Do 1 ft. side drain in Sawmy Pillay Street, Chulai, 5th Division ...	400	386	Do
61	Do 12 in. drain with tile bed in Chulai Bazaar Road from Sawmy Pillay Street to Hunter's Road, 5th Division ...	210	203	Do
62	Do 10 in. drain in Comarappa Chetty Street, Periamet, 5th Division ...	200	127	Do
63	Do 12 in. drain in Chulai Bazaar Road from Sawmy Pillay Street to main drain, 5th Division ...	150	143	Do
64	Do drain in Royapettah Bazaar Road from Bazaar Lane to Matha Mudali Street, Royapettah, 8th Division ...	150	126	Do
65	Do the side drain in Mungapathi Naick Street, 7th Division ...	740	925	Do
66	Do the side drain in Kelava Chetty Street from Iyah Mudali Street to Arunachela Naick's Road, 7th Division ...	200	169	Do
67	Do the side drain in Valluvan Street, 7th Division ...	300	280	Do
68	Do the side drain in Nynceappa Naick Street, 7th Division ...	200	168	Do
69	Do the side drain in Kelava Chetty Street from Arunachela Naick's Road to Guruvappa Chetty Street, 7th Division ...	200	181	Do
70	Do the side drain in Vedagiri Maistry Street, 7th Division ...	100	82	Do
71	Do the side drain in Olagappa Maistry Street from Arunachela Naick's Road to Mungapathy Naick's Street, 7th Division ...	50	40	Do
72	Do the side drain in Olagappa Maistry Street from Mungapathy Naick Street to Vedagiri Maistry Street, 7th Division ...	50	39	Do
73	Do the side drain in Tholasinga Perumal Covil Street, 7th Division ...	100	...	Do
74	Do circular arched main drain in Chetty's Garden, 7th Division ...	400	392	Do
	Carried over ...	9,680	6,692	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs—Continued.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
	Brought forward...	Rs. 9,680	Rs. 8,892	
	GRANT I.—Public Works.			
	II. REPAIRS—			
	(c) Drainage—Concluded.			
75	Repairing the shoot at the end of Out-Fall Channel including new timber and Sea-sand mould, 1st Division...	290	92	Work completed but not paid in full.
76	Petty Works ...	3,000	1,640	
		12,970	8,424	
77	PUMPING STATIONS—			
	i. Triplicane Main Drain Labor, &c. ...	150	151	
	ii. Main Drain—Labor, &c. ...	1,680	1,808	
	iii. Napier Park ... Fitters' Shop Labor, &c. ...	70	60	
	iv. Royapuram—Labor, &c. ...	5,000	5,150	
	v. Outfall-Channel—Labor ...	44,800	42,850	
	vi. Space Fireman ...	290	288	
	vii. Space Fireman ...	180	179	
	viii. Cleaning Main Drains ...	2,000	8,318	
	viii. do Cesspools ...	680	545	
	ix. Sewer No. 1 ...	5,200	4,886	
	x. do " 2 ...	5,430	5,339	
	xi. do " 3 ...	400	399	
	xii. Hire of Coolies ...	40,220	38,251	
	xiii. do Bullocks ...	45,250	45,483	
	xiv. do Carts ...	900	874	
	Total...	1,08,960	1,00,079	
	(d) Water-supply			
78	Repairing Delivery Channel—			
	i. Labor ...	2,160	2,066	
	ii. Repairs—Materials ...	7,700	7,418	
79	Repairing Fountains—			
	i. Labor ...	8,700	8,366	
	ii. Repairs—Materials ...	14,500	13,244	
80	Repairing Pipes—			
	i. Labor ...	1,400	1,315	
	ii. Repairs—Materials ...	7,000	7,719	
	Carried over...	1,41,480	40,222	

APPENDIX I.

STATEMENT II-A.—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 or upwards.

Part II.—Repairs—Continued.

No.	Description of Works.	Revised Estimate Grant.	Expenditure during the year.	Remarks.
	Brought forward...	Rs. 41,160	Rs. 40,222	
	(2) Water-supply—Concluded			
81	Red Hills Lake Staff ...	930	921	
82	Temporary Water-supply Red Hills Pumping ...	7,000	4,446	
83	Petty Works ...	100	30	
	Total...	49,490	45,619	
	(e) Miscellaneous.			
84	Repairing 18,000 feet of 5 and 6 strands wire fencing of the Deplanade by straightening the wires and posts and painting nearly 1,800 fencing posts with tar and also substituting new wires where necessary, 3rd Division ...	670	...	Not required.
		200	186	
85	Petty Works ...			
	Total ...	870	186	

APPENDIX I.

STATEMENT II-B.—Details of Municipal Establishments.

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Grant I.—(Public Works).						
2. Repairs—						
(c) Drainage—						
Establishment—						
i. Main Drain Storm overflow Syrang	1	15	0	180	0 0	
ii. Main Drain—Fitter	1	25	0	300	0 0	
iii. Napier Park—Engine Driver	1	40	0	480	0 0	
iv. Royapuram—						
Engine Drivers, 1st Grade, at Rs. 65 each	4	195	0	2,340	0 0	
Fitter, 1st class	1	60	0	687	0 5	Savings.
Storekeeper	1	25	0	300	0 0	
	5	280	0	3,327	0 5	
v. Outfall Channel—						
Overseer	1	25	0	300	0 0	
vi. Spare Engine Driver	1	30	0	360	0 0	
vii. Fitter, 1st class, out-door Stations	1	50	0	600	0 0	Savings.
viii. Supervision by Conservancy Establishment—General				7,200	0 7	
ix. Do. Street Conservancy				2,187	5 2	
				14,836	8 0	
(d) Water-supply—						
Water Works and Machinery						
Assistant Mechanical Engineer	1	400	0	4,800	0 0	Savings. Permanent Engineer, on deputation.
Head Clerk	1	40	0	480	0 0	
Clerk	1	25	0	300	0 0	
Do	1	15	0	180	0 0	
Peons, at Rs. 7 each	2	14	0	167	1 7	Savings.
Out-door—	3	404	0	5,327	1 7	
Overseers, at Rs. 30 each	2	60	0	720	0 0	
Do at Rs. 25 each	2	50	0	600	0 0	
Do at Rs. 20 each	6	120	0	1,360	0 0	Additional Overseers were entertained from May 1896.
Storekeepers, at Rs. 12 each	4	48	0	574	1 1	Savings.
Fountain Fitters, at Rs. 12	11	132	0	1,584	0 0	
Carried over	31	904	0	10,165	2 8	

APPENDIX I.

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Brought forward...	31	904	0	10,165	2 8	
Grant I.—(Public Works). Concl.						
(d) Water-supply—						
Delivery Channel—						
Walkmen, at Rs. 20 each	2	40	0	480	0 0	Savings.
Do. at Rs. 15 each	2	30	0	343	8 9	
	35	974	0	10,988	11 5	
Deduct Fines and Stoppages...				1	0 0	
				10,987	11 5	
3. Establishment.						
(a) General—						
In-door—						
Engineer, P. W. D.	1	900	0	10,005	0 3	On deputation.
Head Clerk	1	60	0	710	0 0	Savings.
Accountant	1	50	0	594	0 0	Do.
Clerk	1	35	0	420	0 0	
Do.	1	30	0	360	0 0	
Do. at Rs. 25 each	2	50	0	600	0 0	
Do.	1	20	0	240	0 0	
Do.	1	15	0	180	0 0	
Do.	1	9	0	107	0 0	Savings.
Duffadar	1	24	0	288	2 2	
Peons, at Rs. 7 each	3	21	0	252	0 0	
Supervisor	1	150	0	1,800	0 0	Increment commenced from February 1897.
Do.	1	150	0	1,690	0 0	
Do. at Rs. 80 each	2	160	0	1,920	0 0	
Clerks, at Rs. 20 each	2	40	0	477	0 0	
Peons, at Rs. 7 each	4	28	0	334	0 0	
	23	1,718	0	19,683	2 5	
Deduct Fines and Stoppages...				1	0 0	
				19,682	2 5	
Temporary Establishment				244	8 6	
Add arrears for last year paid this year				0	4 0	
				19,926	14 11	
Out-door—						
Overseer	1	55	0	660	0 0	
Do.	1	50	0	600	0 0	
Do. at Rs. 40 each	2	80	0	960	0 0	
Do. at Rs. 35 "	2	70	0	840	0 0	
Do. at Rs. 30 "	2	60	0	720	0 0	
Do. at Rs. 30 "	5	100	0	1,200	0 0	
Storekeepers, at Rs. 20 each	5	100	0	1,200	0 0	Savings.
Peons, at Rs. 8 each	8	64	0	768	6 10	Do.
Lascars, at Rs. 6 each	9	54	0	643	9 7	
	30	533	0	6,383	0 5	
Deduct Fines and Stoppages				18	1 5	
				6,364	15 0	
(b) Steam Road Roller—						
Engine Drivers, at Rs. 40 each	2	80	0	960	0 0	

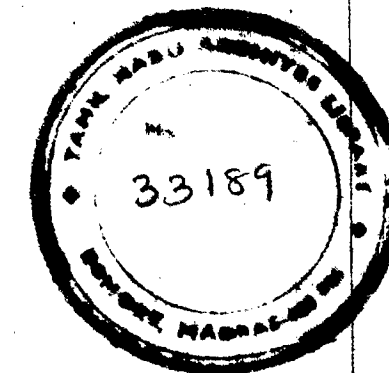
STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Grant II.—(Education.)						
3. Inspection—						
Inspecting School Master...	1	40	0	478	11 5	
Do	1	35	0	422	6 8	
	2	75	0	901	2 1	
Grant III.—(Sanitation and Medical Services.)						
Hospitals and Dispensaries—						
(i) Triplicane Hospital—						
Hospital Assistant, 1st class...	1	65	0	780	0 0	
Matron	1	50	0	600	0 0	
Nurses, at Rs. 25 each	2	50	0	425	8 1	Savings.
Head ward attendant	1	12	0	144	0 0	
Ward attendants, at Rs. 7 each.	3	21	0	248	6 0	Do
Compounder	1	9	0	108	5 8	Do
Cook	1	10	0	120	0 0	
Peon	1	7	0	81	0 0	Do
Lascar	1	6	0	68	11 4	Do
Ayah, at Rs. 5 each	3	15	0	175	8 5	Do
Dhoby	1	12	0	132	0 0	Do
Toty men, at Rs. 6 each	2	12	0	143	9 10	Do
Do. women, at Rs. 4 each	2	8	0	95	1 0	Do
	20	277	0	3,117	2 4	
Deduct Fines & Stoppages...				30	1 10	
				3,087	0 6	
(ii) Black Town Dispensary—						
Civil Apothecary	1	105	0	1,260	0 0	
Hospital Assistant, (1st Class)	1	65	0	780	0 0	
Do. 3rd Class	1	35	0	420	0 0	
Peon	1	7	0	84	0 0	
Male attendant	1	6	0	72	0 0	
Female do	1	4	0	48	0 0	
Lascar	1	2	0	24	0 0	
Toty man	1	7	0	84	0 0	
Do. woman	1	6	0	72	0 0	
	9	237	0	2,844	0 0	
Deduct Fines & Stoppages				0	6 0	
				2,843	10 0	

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.			REMARKS.
		RS.	A.	RS.	A.	P.	
Grant III.—(Sanitation & Medical Services.) Continued							
3. Vaccination—							
Deputy Inspector of Vaccination, 1st Class	1	80	0	960	0	0	
Asst. Deputy Inspector	1	30	0	355	0	0	
Do at Rs. 25 each	3	75	0	900	0	0	
Clerk	1	20	0	236	0	0	
Vaccinators, 1st Class, at Rs. 18 each	8	144	0	1,728	0	0	
Do 2nd Class, at Rs. 10 each	8	80	0	961	5	2	Includes pay of Temporary Vaccinator.
Probationers, at Rs. 7 each	8	56	0	661	13	5	
Peon	1	8	0	95	0	0	
Watchmen, at Rs. 6 each	8	48	0	569	8	10	Savings.
Sweeper	1	2	0	24	0	0	
Do, at Re. 1 each	9	9	0	96	0	0	Do
Scavenger	1	0	8	6	0	0	
	50	552	8	6,592	11	5	
Deduct Fines & Stoppages				11	12	10	
				6,580	14	7	
4. Registration of Births and Deaths—							
Head Clerk	1	45	0	540	0	0	
Clerk	1	20	0	240	0	0	
Do	1	15	0	180	0	0	
Registrars, at Rs. 30 each	3	90	0	1,080	0	0	
Do, at Rs. 26 each	2	52	0	624	0	0	
Do, at Rs. 22 each	2	44	0	528	0	0	
Do, at Rs. 20 each	1	20	0	240	0	0	
Conicopillays, at Rs. 14 each	4	56	0	669	9	3	Savings.
Do at Rs. 12 each	4	48	0	575	7	7	Do
Do at Rs. 10 each	6	60	0	720	0	0	Do
Peons, at Rs. 7 each	24	168	0	1,955	1	7	
	49	615	0	7,352	2	5	
Deduct Fines & Stoppages				19	5	3	
				7,332	13	2	
5. Conservancy—							
General—							
Health Officer	1	750	0	10,373	14	0	Represents exchange allowance.
Head Clerk	1	50	0	597	6	9	
Clerk	1	35	0	430	2	10	Represents Leave allowances.
Do	1	25	0	298	12	8	
Do, at Rs. 20 each	2	40	0	520	13	4	Do
Do	1	15	0	180	0	0	
Do	1	9	0	107	0	0	
Duffadar	1	14	0	155	5	0	Savings.
Peons, at Rs. 7 each	2						
Carried over	10	938	0	12,663	6	7	





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STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Brought forward...	10	938	0	12,663	6 7	
Grant III.—(Sanitation & Medical Services)—continued.						
5. Conservancy—continued.						
General—						
Sanitary Inspectors, at Rs. 100 each	2	200	0	2,270	0 0	Paid at Rs. 80 for the new incumbent.
Do. at Rs. 70	2	140	0	1,709	13 5	Represents leave allowances.
Do. at Rs. 60	3	180	0	2,189	13 3	Savings.
Peons, at Rs. 7 each	7	49	0	588	0 0	
	24	1,507	0	19,421	1 3	
Out-door—						
Overseer	1	55	0	503	6 2	Savings.
Do. at Rs. 50 each	3	150	0	1,779	0 0	Do.
Do. " Rs. 40 "	4	160	0	1,973	7 9	Represents leave allowances.
Do. " Rs. 35 "	4	140	0	1,658	3 3	Savings.
Do. " Rs. 30 "	8	240	0	2,890	4 8	Represents leave allowances.
Lascars, at Rs. 6 each	8	48	0	574	0 7	Savings.
	52	2,300	0	28,799	7 8	
Deduct Fines & Stoppages				17	13 4	
Add arrears for last year paid this year				28,781	10 4	
				38	0 0	
Deduct 25% chargeable to Grant I Drainage				28,819	10 4	
				7,204	14 7	
				21,614	11 9	
Street Conservancy—						
Maistry	1	8	0	96	0 0	
Buffadars, at Rs. 6 each	20	160	0	1,91	2 1	
Peons, at Rs. 7 each	74	518	0	6,237	8 8	Includes pay of 2 additional peons.
Turnkey	1	8	0	96	0 0	
Do. at Rs. 6 each	7	42	0	429	1 7	One not entertained.
	103	736	0	8,776	12 4	
Deduct Fines & Stoppages				227	7 4	
Deduct 25% chargeable to Grant I Drainage				8,549	5 0	
				2,137	3	
				6,411	15 9	
House Conservancy—						
Buffadars (Night), at Rs. 9 each	2	18	0	216	0 0	
Peons, at Rs. 7 each	78	546	0	6,200	15 2	Savings.
Maistry at Wall Tax Road	1	10	0	65	5 4	Abolished.
Rubbish Shoot						
Carried over...	81	574	0	6,482	4 6	

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Brought forward...	81	574	0	6,482	4 6	
Grant III.—(Sanitation & Medical Services)—Concluded.						
House Conservancy—(Concl.)						
Maistry at Kistnampet Wharf	1	10	0	120	0 0	
Do at Mylapore do	1	15	0	177	0 0	
	83	599	0	6,779	4 6	
Deduct Fines & Stoppages				213	6 3	
				6,565	14 3	
(e) Night-soil Depôts—						
Maistry at Manally	1	12	0	144	0 0	
Do " Brick-kiln	1	12	0	144	0 0	
Do " Barber's Bridge	1	12	0	144	0 0	
Do " Cathivakum Road	1	12	0	149	12 11	Represents leave allowance.
Do " Basin Road	1	10	0	120	0 0	
Do " Nungumbakum	1	8	0	96	0 0	
	6	66	0	797	12 11	
(g) Maintenance of Sewage Farms—						
DeMellow's Road—						
Engine Driver	1	40	0	833	5 4	Includes the pay of an additional driver.
Kistnampet—						
Engine Drivers, at Rs. 40 each	2	80	0	960	0 0	
	3	120	0	1,793	5 4	
(p) Watering Roads—						
Peons, at Rs. 7 each	17	119	0	1,421	2 7	
Deduct Fines & Stoppages				2	6 0	
				1,421	12 7	
Grant IV.—(Miscellaneous Municipal Purposes.)						
1. Lighting—						
Inspection—						
Inspectors, at Rs. 40 each	2	80	0	988	1 0	Represents leave allowance.
Do. " Rs. 30 "	2	60	0	710	0 0	
	4	140	0	1,698	1 0	
2. Markets and Slaughter-houses—						
(a) General Market—						
Superintendent	1	25	0	300	0 0	
Peons, at Rs. 7 each	4	28	0	336	0 0	
	5	53	0	636	0 0	
Deduct Fines & Stoppages				4	12 6	
				631	3 6	

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Grant IV.—(Miscellaneous Municipal Purposes.)—contd.						
2. Markets and Slaughter-houses—(Contd.)						
(b) Smithfield Market—						
Superintendent	1	14	0	168	0 0	
Peons, at Rs. 7 each	4	28	0	336	0 0	
	5	42	0	504	0 0	
Deduct Fines & Stoppages				2	9 3	
				501	5 9	
(c) Mylapore Market—						
Superintendent	1	12	0	12	0 0	
Peons, at Rs. 7 each	2	14	0	14	0 0	
	3	26	0	26	0 0	Represent pay for March, 1896.
(d) Slaughter-houses—						
Superintendent at Perambore	1	20	0	240	0 0	
Do Monegar Choultry	1	20	0	240	0 0	
Do Choolay	1	15	0	180	0 0	
Do Triplicane (Chetty's Garden)	1	12	0	151	2 2	Represents leave allowances.
Peon	1	7	0	84	0 0	
	5	74	0	895	2 2	
Deduct Fines & Stoppages				2	0 0	
				893	2 2	
4. Public Parks—						
(a) People's Park—						
Superintendent	1	100	0	1,200	0 0	
Clerk	1	20	0	240	0 0	
Sergeants, at Rs. 15 each	2	30	0	360	0 0	
Head Maistry	1	15	0	180	0 0	
Second Maistry	1	9	0	108	0 0	
Peons, at Rs. 6 each	8	48	0	570	0 0	
Keeper in charge of Menagerie	1	7	4	87	0 0	
Do do	1	6	0	72	0 0	
Do do	1	5	8	66	0 0	
Do do	1	5	0	60	0 0	
Do do	1	5	8	66	0 0	
Do do	1	7	0	84	0 0	
Do do	1	7	0	84	0 0	
Do do	1	7	0	84	0 0	
	21	266	2	3,195	0 2	
Deduct Fines & Stoppages				8	3 2	
				3,187	5 0	
(b) Napier Park—						
Maistry	1	8	0	108	0 0	
Peons, at Rs. 6 each	3	18	0	216	0 0	
Watchman	4	6	0	69	0 0	
	5	32	0	384	0 0	
Deduct Fines and Stoppages				2	15 6	
				381	0 6	

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Grant IV.—(Miscellaneous Municipal Purposes)—						
5. Survey of land—						
Surveyor and Draftsman	1	50	0	600	0 0	
Lascars, at Rs. 7 each	4	28	0	336	0 0	
	5	78	0	936	0 0	
Deduct Fines and Stoppages				0	3 9	
				935	12 3	
6. Fire—						
Engine Drivers, at Rs. 25 each	4	100	0	805	2 7	Savings.
Firemen, at Rs. 12-8-0 each	4	50	0	450	0 0	Do
Ladder and Hosemen, at Rs. 8 each	8	64	0	575	7 6	Do
Lascars, at Rs. 6 each	8	48	0	427	8 6	Do
Do. at Rs. 7 each	10	70	0	671	12 3	Do
	34	332	0	3,019	14 10	
Deduct Fines and Stoppages				5	8 0	
				3,014	6 10	
7. Other Charges—						
Stores—						
Storekeeper	1	60	0	700	0 0	Savings.
Clerk	1	20	0	260	0 0	
Head Lascar	1	8	0	96	0 0	
Lascars, at Rs. 7 each	2	14	0	165	0 4	
Night Watchman	1	6	0	72	0 0	
	6	108	0	1,293	0 4	
Temporary Clerks				42	0 0	
				1,335	0 4	
(a) Workshops—						
Foreman	1	100	0	1,119	15 11	On deputation.
Foreman	1	35	0	420	0 0	
Head Clerk	1	25	0	300	0 0	
Clerk	1	20	0	240	0 0	
Do.	1	20	0	240	0 0	
Do.	1	15	0	179	0 7	
Do.	1	15	0	180	0 0	
Store Clerk	1	17	8	210	0 0	
Time-keeper	1	15	0	180	0 0	
	8	247	8	2,639	0 6	
Deduct Fines and Stoppages				40	0 0	
				2,649	0 6	
Grant V.—(Supervision and Management.)						
1. Salaries—						
President	1	2,000	0	27,609	10 10	Represents leave allowances.
Revenue Officer	1	800	0	10,680	5 0	Do and pensionary contribution to acting Officer.
	2	2,800	0	38,289	15 10	
2. Head office—						
General Department—						
Head Clerk	1	125	0	1,485	0 0	Savings.
Clerk	1	35	0	420	0 0	
Carried over	2	160	0	1,905	0 0	

STATEMENT II-B.—Details of Municipal Establishments.—(Continued).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Brought forward...	2	160	0	1,905	0 0	
Grant V.—(Supervision and Management).—continued.						
2. Head Office.—Concluded.						
<i>General Department.</i>						
Clerk	1	20	0	240	0 0	
Record Keeper	1	30	0	374	0 6	Represents leave allowance.
Accountant	1	25	0	300	0 0	
Muchi	1	10	0	120	0 0	
Duffadar	1	12	0	144	0 0	
Attender	1	10	0	120	0 0	
Do.	1	7	0	84	0 0	
Peons, at Rs. 8 each	4	32	0	383	15 5	
Do " 7 "	2	14	0	167	8 9	
Watchmen, at Rs. 6 each	4	24	0	286	13 5	
Sweeper	1	5	8	66	0 0	
Scavenger	1	5	0	60	0 0	
	21	354	8	4,251	6 1	
3. Assessment and collection—						
<i>Assessment and Collection—</i>						
Superintendent	1	125	0	1,485	0 0	Savings.
Assistant Superintendent	1	60	0	720	0 0	
Clerks, at Rs. 45 each	2	90	0	1,080	0 0	
Do " 40 do	2	80	0	960	0 0	
Do " 35 do	2	70	0	840	0 0	
Do " 30 do	2	60	0	720	0 0	
Do " 25 do	5	125	0	1,491	2 1	Savings.
Do " 20 do	11	220	0	2,625	2 1	Do
Do " 15 do	21	315	0	3,754	12 6	Do
Assessor Building and Land Tax	1	60	0	720	0 0	
Assistant Assessor do	1	30	0	360	0 0	
Do do at Rs. 25 each.	2	50	0	600	0 0	
Assessor, Profession, Vehicle and Animal Tax	1	60	0	720	0 0	
Do do	1	60	0	720	0 0	
Do do	1	55	0	659	15 11	
Do Payment for Occupation of Municipal Lands.	1	30	0	360	0 0	
Conicopillays, B. and L. Tax, at Rs. 22 each...	2	176	0	2,074	12 7	Savings.
Do do " 20 do	8	160	0	1,920	0 0	
Do do " 18 do	8	144	0	1,725	0 0	
Do V. and A. Tax, at Rs. 14 each...	7	98	0	1,183	1 6	Do
Do Profession Tax, at Rs. 14 each...	3	70	0	840	0 0	
Do P. O. I. do 12 do...	6	60	0	704	1 2	Do
Do (Relieving)	1	20	0	180	0 0	Do
Muchi	1	10	0	120	0 0	
Hurkara for carts, at Rs. 10 each...	2	20	0	240	0 0	
Carts Stamping Men	1	8	0	96	0 0	
Duffadar	1	10	0	120	0 0	
Peons, at Rs. 7 each	18	105	0	1,248	12 1	Savings
Carried over...	117	2,391	0	28,440	11 11	

STATEMENT II B.—Details of Municipal Establishments.—(Concluded).

	No.	Salary per mensem.		Salary per annum.		REMARKS.
		RS.	A.	RS.	A. P.	
Brought forward...	117	2,391	0	28,440	11 11	
Grant V.—(Supervision and Management).—contd.						
3. Assessment and collection—						
Watching Peons at the Distraint Yard, at Rs. 6 each...	2	12	0	143	12 11	
Distraint, &c., Coolies, at Rs. 5 each	12	60	0	720	0 0	
<i>Licenses Fees on Timber and Firewood—</i>						
Clerk	1	30	0	360	0 0	
Inspector for Refund of T. & F. License Fees	1	25	0	300	0 0	
Clerk at the Shadyar Coopam Lock, Buckingham Canal	1	25	0	300	0 0	
Clerk do do	1	12	0	140	0 0	Increment commenced from July 1896.
Lascars, at Rs. 7 each	2	14	0	168	0 0	
Licensing Clerk at the Sea Customs Office on Security	1	40	0	480	0 0	
Asst. Do do	1	20	0	240	0 0	
Conicopillays at Sea Customs Office, at Rs. 12 each	4	48	0	576	0 0	
Peons at Sea Customs, at Rs. 7 each	6	42	0	504	0 0	
Remuneration to Government Clerk at the Adyar Lock	1	10	0	117	0 0	Savings.
Lascar do	1	7	0	89	0 0	
Remuneration to Toll Farmer and the Madras & S.I.R. Companies	1	125	0	1,511	2 6	
<i>Treasury and Accounts Branch—</i>						
Head Accountant	1	70	0	830	0 0	Savings.
Accountant	1	45	0	540	0 0	
Do. at Rs. 25 each	3	75	0	900	0 0	
Head Cashier	1	50	0	600	0 0	
Asst. Do.	1	30	0	360	0 0	
Shroff	1	36	0	432	0 0	
Do.	1	25	0	300	0 0	
Do. at Rs. 20 each	2	40	0	474	13 5	
Peons, at Rs. 7 each	3	21	0	252	0 0	
	164	3,253	0	39,158	8 9	
Deduct Fines & Stoppages				80	7 0	
				39,078	1 9	
Add arrears for last year paid this year				33	12 11	
				39,111	14 8	

STATEMENT II-B.—Details of Municipal Allowances.

	No.	Allowance per mensem.		Allowance per mensem.		REMARKS.
		Rs.	A.	Rs.	A. P.	
Grant I.—(P.W.)—						
2. Repairs	...					
(c) Drainage—						
25% of Conservancy allowances				482	2 2	
(d) Water-supply—						
Assistant Mechanical Engineer	1	25	0	1,202	6 9	Includes special allowance.
3. Establishment—						
(a) General—						
Supervisors, at Rs. 20 each	4	80	0	921	15 0	Savings.
Grant II.—(Education)						
8. Inspection—						
Inspecting School Masters, at Rs. 10 each	2	20	0	240	5 2	
Grant III.—(Sanitation and Medical Services.)						
3. Vaccination—						
Deputy Inspector of Vaccination, 1st Class	1	20	0	240	0 0	
4. Registration of Births and Deaths—						
Head Clerk	1	20	0	240	0 0	
5. Conservancy—						
Health Officer	1	80	0	288	8 9	
Sanitary Inspectors, at Rs. 20 each	7	140	0	1,584	0 0	
	8	170	0	1,584	8 9	
Deduct 25% Chargeable to Drainage				482	2 2	
				1,440	6 7	
Grant IV.—(Miscellaneous Municipal Purposes.)						
4. Public Parks—						
(b) Napier Park—						
Superintendent	1	10	0	120	0 0	
7. Other Charges—						
(a) Workshops—						
Foreman	1	20	0	40	0 0	Savings.
Grant V.—(Supervision and Management.)						
3. Assessment and Collection—						
Assessor B. & L. Tax	1	20	0	240	0 0	
Do Payment for Occupation of Municipal Lands	1	15	0	180	0 0	
Inspector for Refund of Timber and Firewood License Fees	1	15	0	180	0 0	
Total...	3	50	0	600	0 0	

STATEMENT III.—Abstract of Deposits Account for 1896-97.

	In Govt. ernment Pro- Notes, &c.	In Fixed Deposit.	In Cash.	Total.	In Govt. ernment Pro- Notes, &c.	In Fixed Deposit.	In Cash.	Total.	In Govt. ernment Pro- Notes, &c.	In Fixed Deposit.	In Cash.	Total.
Opening Balance...	Rs. 3,90,200	8,330-8-1	56,787	4,48,317-8-1	Rs. 3,90,200	8,330-8-1	56,787	4,48,317-8-1	Rs. 3,90,200	8,330-8-1	56,787	4,48,317-8-1
1. Deposit by Appellants												
2. Do Renters												
3. Do Contractors												
4. Do Municipal Servants												
5. Do For execution of work												
6. Sinking Fund—Investment Account on account of Debenture Loans												
7. Workshops—from Municipal Fund												
8. Stores												
9. Miscellaneous—Sale surpluses, Composition for Tolls, Sale of Lands, Licenses, &c.												
10. Income Tax												
Total Receipts...	Rs. 69,000	3,410-0-0	8,08,006	11,78,416-0-0	Rs. 69,000	3,410-0-0	8,08,006	11,78,416-0-0	Rs. 69,000	3,410-0-0	8,08,006	11,78,416-0-0
Grand Total...	Rs. 4,59,200	11,740-8-1	13,59,764	6,44,704-8-1	Rs. 4,59,200	11,740-8-1	13,59,764	6,44,704-8-1	Rs. 4,59,200	11,740-8-1	13,59,764	6,44,704-8-1

* Includes Madras Municipal Debentures... Rs. 5,000-0-0.
 + In the Bank of Madras... Rs. 60,880-0-0.
 In the National Bank of India (Ld.)... Rs. 10,000-0-0.

Statement IV-A.—Demand, Collection and Balance Statement of Taxes, &c., for the year 1896-97. (Current).

Description of Taxes, &c.	1		2		3		4		5		6		7		Balance (Column 4 minus Columns 5, 6 and 7.)
	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	
1 Tax on Arts, Professions, Trades and Callings (not being a Military Profession or Calling) and on Offices and Appointments	70,550	0 0	60	0 0	6,312	1 7	5,15,321	3 1	4,29,253	11 10	6,888	4 8	195	0 0	2,342 8 0
2 House Tax on Buildings	5,21,633	4 8	4,588	7 6	15	6 0	4,568	1 6	4,002	6 4					565 11 2
3 House Tax on Lands	2,06,490	10 11			2,524	13 7	2,05,965	13 4	1,71,458	2 8	2,700	13 2	2	9 0	31,704 4 6
4 Water Tax on Buildings	1,824	2 2			6	3 4	1,817	13 15	1,392	4 10	3	6 0			222 5 0
5 Water Tax on Lands	65,216	8 0			789	0 0	61,427	8 0	53,678	8 10	830	6 3	0	12 10	9,917 12 1
6 Lighting Tax on Buildings	572	13 1			1	14 8	570	14 4	300	3 4					70 11 0
7 Lighting Tax on Lands	28,982	0 0					28,982	0 0	26,039	0 0					2,923 0 0
8 Tax on Vehicles with springs	27,489	8 0					27,489	8 0	24,528	8 0					2,966 0 0
9 Tax on Animals	19,284	0 0					19,284	0 0	19,683	10 3	4	0 0			6 0 0
10 Tax on Carts and other Vehicles without springs	41,252	4 2					41,252	4 2	11,252	4 2					2,179 0 0
11 Tolls on Vehicles and on Animals entering Municipal limits	10,210	6 8					10,210	6 8	8,081	6 8					1,556 13 2
12 Payment for occupation of Municipal Lands	18,714	7 11					18,714	7 11	17,157	10 9					1,590 6 6
13 Payment for water for non-domestic purposes	17,878	13 11					17,878	13 11	16,238	7 5					
14 Rent of lands															
Total	10,36,692	6 7	9,709	6	3,10,26,953	0 4	8,81,093	12 8	10,496	13 8	218	1 11	1,35,217	4 1	

Statement IV-B.—Demand, Collection and Balance Statement of Taxes, &c., for the year 1896-97. (Arrear).

Description of Taxes, &c.	1		2		3		4		5		6		7		8		9		10		Balance (Column 6 minus Columns 7, 8 and 9).	Years to which the balance relates.
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.				
1 Tax on Arts, Professions, Trades and Callings, (not being a Military Profession or Calling) and on Offices and appointments.	665	10 6	2,429	11 4	3,095	5 4			3,095	5 4	2,039	2 7					498	13 5	557	3 4	1892-93 to 1895-96.	
2 House Tax on Buildings	5,557	9 9	27,065	9 2	32,623	2 11			32,623	2 11	24,887	7 9			875	3 10	771	1 1	6,089	6 3	1890-91 to 1895-96.	
3 House Tax on Lands	414	12 5	342	0 8	756	13 1			756	13 1	240	15 3			46	6 1	86	8 8	382	15 1	"	
4 Water Tax on Buildings	2,178	6 5	10,541	9 7	12,718	0 0			12,718	0 0	9,712	3 4			334	8 0	295	9 5	2,375	11 8	"	
5 Water Tax on Lands	168	8 2	107	10 9	271	2 11			271	2 11	72	1 9			18	9 1	34	9 10	145	14 8	"	
6 Lighting Tax on Buildings	713	9 6	3,402	8 9	4,116	2 3			4,116	2 3	3,125	11 0			169	3 6	94	6 5	736	13 4	"	
7 Lighting Tax on Lands	749	11 5	42	12 5	92	7 10			92	7 10	30	2 5			512	4	8	10 10	47	14 3	"	
8 Tax on Vehicles with springs	581	0 0	1,395	0 0	1,976	0 0			1,976	0 0	226	10 9							1,749	5 3	1892-93 to 1895-96.	
9 Tax on Animals	699	12 7	1,619	0 0	2,318	12 7			2,318	12 7	321	15 7							1,987	13 0	"	
10 Tax on Carts and other Vehicles without springs	2	0 0	65	4 11	67	4 11			67	4 11	64	1 1			2	0 0	1	3 10			1893-94 to 1895-96.	
11 Tolls on Vehicles and on Animals entering Municipal limits	278	4 7	2,126	12 5	2,405	1 0			2,405	1 0	1,110	1 1					1,018	1 7	276	14 4	1895-96.	
12 Payment for occupation of Municipal Lands	85	7 6	10,873	13 7	10,958	5 1			10,958	5 1	10,474	14 9							484	6 4	1891-92 to 1895-96.	
13 Payment for water for non-domestic purposes	236	0 5	1,045	9 4	1,281	9 9			1,281	9 9	806	13 4							474	12 5	1893-94 to 1895-96.	
14 Rent of Lands																						
Total	11,614	12 9	61,057	6 11	72,672	9 8			72,672	9 8	53,112	4 8			1,391	10 10	2,809	1 1	15,359	3 1		

Statement IV-C.—Details of Arrear Demand, Collection and Balance.

	Period of Demand.	Demand.	Collection.	Remission.	Written off.	Balance.	REMARKS.
		R.S.	A. P.	R.S.	P.S.	R.S.	A. P.
	Tax on Area, &c.	(a) 18 (b) 182 (c) 465 (d) 2,429	2 0 8 0 0 0 11 4	75 10 0 55 0 0 96 2 7 1,872 6 0		2 8 0 123 8 0 326 5 5 509 18 4	... 5 0 0 do do do do do do do do do
		3,095	5 4	2,039	2 7	498	13 5
	Tax on Buildings	1890-90 1890-91 1891-92 1892-93 1893-94 1894-95 1895-96	57 9 7 180 14 9 253 12 3 633 10 10 1,284 12 0 3,017 14 4 27,505 9 2	7 8 0 30 4 10 88 6 9 146 3 4 480 6 1 1,507 3 6 22,618 8 2	0 9 7 3 0 0 7 3 2 3 15 10 48 5 2 29 5 5 787 12 8		(a) Includes Rs. 15-10-0 subsequent amendment. do do do do do do do do do Former balance raised by Rs. 62-12-10 by subsequent amendment. do do do do do do
		32,023	24,597	7 9	771	1 1	6,069
	Tax on Lands	1890-90 1890-91 1891-92 1892-93 1893-94 1894-95 1895-96	40 8 0 46 0 0 45 8 4 64 0 4 89 4 1 140 7 8 342 0 8		40 8 0 45 0 0		(e) Former balance diminished by Rs. 62-12-10 by subsequent amendment. do do do do do do do do do do do do do do do
		758	240	15 3	86	8 8	388
	Water Tax on Buildings	1890-90 1890-91 1891-92 1892-93 1893-94 1894-95 1895-96	20 0 4 68 4 0 107 11 0 221 7 5 554 7 7 1,204 2 1 10,541 9 7	2 15 4 16 9 6 34 12 8 57 13 2 202 8 11 605 12 7 8,703 0 6	0 1 1 0 15 4 2 10 3 1 5 10 16 13 0 10 14 2 301 11 6		(f) Former balance raised by Rs. 25-0-0 by subsequent amendment. do do do do do do do do do do do do do do do
		12,719	9,712	3 4	285	9 5	2,375
	Water Tax on Lands	1890-90 1890-91 1891-92 1892-93 1893-94 1894-95 1895-96	16 8 2 18 0 0 18 3 4 21 9 8 35 2 0 54 6 0 107 10 9		16 3 2 18 0 0		(g) Former balance diminished by Rs. 25-2-0 by subsequent amendment. do do do do do do do do do do do do do do do
		-371	73	1 9	34	9 10	145

[illegible]

APPENDIX I.

STATEMENT IV-D.

Classification of Assessments under Tax on Arts, Professions, Trades and Callings.

Class.	Under Schedule A.	Rate of Annual Tax.	1896-97.			1895-96.		
			Half-yearly assessed.			Half-yearly assessed.		
			Items.	Amount.		Items.	Amount.	
		RS.		RS.	A. P.		RS.	A. P.
I. (A)		500	32	8,000	0 0	32	8,000	0 0
I. (B)		350	11	1,925	0 0	12	2,100	0 0
I. (C)		200	10	1,000	0 0	7	700	0 0
I. (D)		150	10	750	0 0	8	600	0 0
I. (D) Prov. I.		250	13	1,625	0 0	9	1,125	0 0
I. (D) Prov. II.		150	43	3,225	0 0	40	3,000	0 0
I. (D) Prov. III.		50	46	1,150	0 0	32	800	0 0
I.		250	69	8,625	0 0	70	8,750	0 0
II.		150	60	4,500	0 0	66	4,950	0 0
II.		100	8	400	0 0	6	300	0 0
III.		75	226	8,475	0 0	233	8,787	8 0
III.		50	15	375	0 0	18	400	0 0
IV.		35	369	6,457	8 0	381	6,667	8 0
V.		20	504	5,040	0 0	530	5,300	0 0
VI.		10	1756	8,780	0 0	1721	8,605	0 0
VII.		5	4089	10,222	8 0	4088	10,220	0 0
Total...			7261	70,550	0 0	7251	70,255	0 0

STATEMENT IV-E.

Alphabetical List showing the number of Professions taxed for 1896-97.

Profession.	Number assessed.	Profession.	Number assessed.
Advocates	14	Merchants	726
Architects	2	Merchants and Agents	182
Arrack Shop Keepers	26	Merchants and Bankers	2
Artizans	27	Merchants and Sowcars	1
Attorneys-at-Law	15	Midwives	7
Auctioneers	4	Milliners	1
Bakers	4	Ophthalmic Opticians	1
Bankers	19	Owners of Distillery	1
Benefit Societies and Companies	128	Owners of Iron Foundry	1
Beet Owners	1	Owners of Markets	4
Beet-Binders	2	Owners of Oil Mills	1
Brokers	40	Owners of Printing Presses	87
Chemists and Druggists	17	Photographers	1
Coach Builders	24	Piano Fortifoners	2
Commission Agents	31	Proprietors of Workshops	2
Confectioners	4	Public Accountants	4
Contractors	26	Saddlers and Harness Makers	4
Dealers in money	51	Shop Keepers	75
Dentists	1	Sowcars	1
Druggists	2	Suppliers	3
Dryasles	26	Tailors and Outfitters	1
Dyers	10	Tanners and Merchants	1
Embroiderers	2	Toddy Shop Keepers	136
Firewood Depot Keepers	24	Traders	592
Hack Keepers	2	Undertakers and Sculptors	3
Hakims	2	Vakils	78
Hotel Keepers	1	Wahvans	2
Journalists	1		
Liquor Shop Keepers	2		2,480
Lithographers	1		1,182
Livery Stable Keepers	1		
Mechanical Engineers	1		2,631
Medical Practitioners	17		

APPENDIX I.

STATEMENT IV-F.—GRADATION LIST.

The following is a gradation of the combined rates levied on Buildings and Lands:—

Gradation of Annual Taxes.	Number of Buildings.	Amount of House, Water and Lighting Taxes thereon.		Number of Lands.	Amount of House, Water and Lighting Taxes thereon.		Total.	
		RS.	A. P.		RS.	A. P.	RS.	A. P.
Under 8 annas	69	29	0 0	61	22	9 8	130	51 9 8
8 annas and under 1½ Rs.	455	497	4 2	140	128	6 0	595	625 10 2
1½ Rupees and under Rs. 5.	11,300	32,881	8 7	267	748	2 0	11,567	33,629 10 7
5 Rupees and under Rs. 15.	16,585	1,48,601	14 2	94	771	10 2	16,679	1,49,373 8 5
15 Rupees and under Rs. 30.	6,762	1,48,070	5 8	23	473	11 9	6,785	1,48,544 1 5
30 Rupees and upwards	4,155	4,55,634	7 10	12	4,812	8 0	4,167	4,60,446 15 10
Total...	39,326	7,85,714	8 5	597	6,956	15 8	39,923	7,92,671 8 1

STATEMENT IV-G.

Classification of Assessments under Vehicles and Animals Taxes.

Classification of Assets													
Articles of Schedule B to the Municipal Act.	Description.	Half-yearly rate of Tax.	1896-97.				1895-96.						
			No.		Amount.		No.		Amount.				
			RS.		RS.	A. P.	RS.	A. P.					
Vehicles.													
I	Four-wheeled Vehicle with springs drawn by 2 or more horses	10	318	3,180	0	0	352	3,520	0	0			
II	Four-wheeled Vehicle with springs drawn by a Horse, Mule, Bull, or Bullock or by two or more horses under thirteen hands or by two or more Mules, Bulls or Bullocks	5	3,171	15,855	0	0	3,435	17,175	0	0			
III	Two-wheeled Vehicle with springs drawn by one or more horses, Mules, Bulls or Bullocks	3	2,133	6,399	0	0	2,430	7,290	0	0			
		3	1,176	3,528	0	0	1,088	3,264	0	0			
IV	Every other Vehicle with springs		6,798	28,962	0	0	7,305	31,249	0	0			
	Total...												
Animals.													
V	Horse over 13 hands...	5	3,383	16,915	0	0	3,508	17,515	0	0			
VI	Horse of or under 13 hands or Mule	2 1/2	1,645	4,112	8	0	2,007	5,017	8	0			
VII	Horse of or under 11 hands	1	585	585	0	0	659	659	0	0			
VIII	Bullock or Bull	9,093	4,546	8	0	9,292	4,646	0	0				
IX	Male Buffalo	18	9	0	0	26	13	0	0				
X	Ass...	126	31	8	0	103	25	12	0				
XI	Dog	2,530	1,290	0	0	2,899	1,449	8	0				
	Total...		17,430	27,489	8	0	18,489	29,325	12	0			
Composed of 10,395 half-yearly items against 11,068 half-yearly items in 1895-96.			Grand Total.			24,228	56,451	8	0	25,794	60,574	12	0

APPENDIX I.

[illegible]

(c) Included one partially examined videotape

Do	two	do
(h)		
Do	eight	do
(f)		
Do	one	do
(t)		

STATEMENT IV-K.—The following is an analysis of the collection of each Tax at each stage:—

[illegible]

V.B.—Statement showing the Statistics of Aided Schools in the Municipality of Madras for the official year 1896-97.

V. B.—Statement showing the Statistics of Aided Schools in the Municipality of																	
SCHOOLS.	NUMBER OF SCHOOLS.					Number on Rolls on 31st March 1897.		Number of Pupils found in Results Grants.	Number of Pupils found qualified for results grants.	Full amount of results grants earned.	Amount of results grants passed for payment.	AMOUNT DISBURSED.			Amount of salary grants disbursed.	Total expenditure from Municipal Funds, Co-lunne 14 and 15.	REMARKS.
	At the beginning of the year.	Opened during the year.	Closed during the year.	At the close of the year.	Boys.	Girls.	For current year.					For previous year.	Total.				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
GRANT-IN-AID.																	
A.—RESULTS GRANTS, (i. e., SCHOOLS ACTUALLY EXAMINED FOR RESULTS GRANTS.)																	
(a). Secondary Schools for boys other than Europeans and Eurasians.																	
1. Luth. Miss. Middle School, Pura-walkum...	1	1	1	1	418	...	123	103	346 14 0	261 12 0	Rs. A. P.	111 9 0	373 5 0	...	...	...	
2. Tamil Mission School, Broadway	1	1	1	1	139	...	69	43	114 14 0	114 14 0	Rs. A. P.	14 6 0	129 4 0	...	...	...	
3. Lower Secondary School, Washermanpet...	1	1	1	1	194	...	57	41	150 4 0	132 0 0	Rs. A. P.	68 5 0	190 5 0	...	...	...	
4. Hindu Middle School, Pudurpet	1	1	1	1	189	...	...	...	...	...	Rs. A. P.	29 9 0	29 9 0	...	...	Reduced to Upper Pri-mary.	
5. Hindu Begged School, Brahmasamaj	1	1	1	1	145	...	40	21	83 2 0	56 4 0	Rs. A. P.	26 8 0	92 12 0	...	...	...	
6. Native Middle School, Mylapore	1	1	1	1	...	...	...	...	...	...	Rs. A. P.	...	...	...	...	...	
7. Hindu Progressive Union School, Black Town	1	1	1	1	374	...	133	76	242 12 0	88 8 0	Rs. A. P.	...	88 8 0	...	...	Reduced to Upper Pri-mary.	
8. K. Srinivasa Aiyangar's School, Black Town	1	1	1	1	...	...	33	26	69 15 0	69 15 0	Rs. A. P.	...	69 15 0	...	...	...	
9. T. L. A. Mixed School, Chetput	1	1	1	1	28	17	13	12	61 14 0	61 14 0	Rs. A. P.	...	61 14 0	...	...	...	
10. Tamil Mission Orphans Home, Vyasarpady	1	1	1	1	53	22	14	10	19 12 0	39 8 0	Rs. A. P.	...	39 8 0	...	...	...	
11. A. B. M. Cook's Road, Perambore	1	1	1	1	129	...	47	43	156 15 0	89 4 0	Rs. A. P.	...	89 4 0	...	...	...	
12. M. Ranganada Mudaliar's School, Mylapore.	1	1	1	1	81	...	23	13	29 13 0	29 13 0	Rs. A. P.	16 8 0	46 5 0	...	...	...	
13. S. P. G. School, Egmore	1	1	1	1	161	...	32	21	88 8 0	88 8 0	Rs. A. P.	...	88 8 0	...	...	...	
14. Hindu Union School, Pura-walkum	...	1	1	1	...	...	...	...	...	...	Rs. A. P.	...	...	...	...	...	
Total...	8	6	3	11	1310	39	574	408	1,364 11 0	1,082 4 0	1,082 4 0	266 13 0	1,299 1 0	...	...	...	

V. B.—Statement showing the Statistics of Aided Schools in the Municipality of Madras for the official year 1896-97.

SCHOOLS.	NUMBER OF SCHOOLS.					Number on Roll, 31st March 1897.		Number of Pupils examined in Result Grants.	Number of Pupils found qualified for Result Grants.	Full amount of results grants passed for payment.	AMOUNT DISBURSED.			REMARKS.			
	At the beginning of the year.	Opened during the year.	Closed during the year.	At the close of the year.	Boys.	Girls.	For current year.				For previous year.	Total.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
	41	0	6	35	2,406	190	1,397	1,050	3,184	2,959	5 0	293	10 0	3,252	15 0	Total expenditure from Municipal Funds, Columns 14 and 15.	
Trought forward...	41	0	6	35	2,406	190	1,397	1,050	3,184	2,959	5 0	293	10 0	3,252	15 0		
42. K. Infahimath, Naradu's, Royapet	1	1	1	1	76	5	47	41	108	12 0	77	0 0	19	12 0	96	12 0	Raised to Lower Secondary grade.
43. Ranganatha Mudaliyar's, Mylapore	1	1	1	1	82	...	39	25	83	4 0	83	4 0	...	...	83	4 0	
44. Aryan Day School, Triplicane	1	1	1	1	56	...	31	24	75	0 0	80	0 0	...	...	80	0 0	
45. C. M. B., Seven Wells	1	1	1	1	51	17	31	26	89	4 0	85	8 0	...	...	85	8 0	
46. S. P. G., Nungambakkam	1	1	1	1	51	...	48	41	100	9 0	100	9 0	...	...	100	9 0	
47. T. Ramalinga Naik's, Teynampet	1	1	1	1	75	...	38	32	170	0 0	132	0 0	...	...	132	0 0	
48. Vannia Sangam, Mylapore	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	
49. Madras Ragged School, Samej, Black Town	1	1	1	1	155	6	77	50	122	1 0	106	4 0	36	12 0	143	0 0	Reduced from Lower Secondary grade.
50. K. Jeeyaraya's and Arimthu Vaidya's, Black Town	1	1	1	1	71	5	41	20	97	0 0	88	12 0	...	...	88	12 0	
51. Vannia Sangam School, Sanjiviroyanpet.	1	1	1	1	51	6	35	30	89	10 0	89	10 0	...	...	89	10 0	
52. Venkatasubbia's School, do	1	1	1	1	46	...	27	21	62	13 0	69	13 0	...	...	69	13 0	
53. F. O. M., Royapuram	1	1	1	1	48	18	37	26	85	3 0	115	0 0	19	4 0	134	4 0	
54. A. B. M., Konditoye	1	1	1	1	36	5	20	13	47	0 0	47	0 0	...	...	47	0 0	
55. London Mission, Koyapet	1	1	1	1	67	...	33	16	32	4 0	35	0 0	...	...	35	0 0	
56. Native Ragged School, Thousand Lights	1	1	1	1	131	27	50	46	132	14 0	132	14 0	...	...	132	14 0	
57. St. Lazarus School, Mylapore	1	1	1	1	76	66	47	43	184	11 0	121	8 0	64	0 0	185	8 0	
58. Roman Catholic School, Royapet	1	1	1	1	50	23	17	17	48	4 0	58	0 0	...	...	58	0 0	
59. S. L. A. Mixed School, Cheepur	1	1	1	1	69	23	57	34	90	0 0	90	0 0	88	13 0	173	13 0	
Total	46	11	7	52	3,590	354	2,061	1,565	4,908	13 0	4,471	7 0	517	3 0	4,988	10 0	

GRANT-IN-AID.
A.—RESULTS GRANTS, (i. e., SCHOOLS ACTUALLY EXAMINED FOR RESULTS GRANTS.)
(b) Upper Primary Schools for boys other than Europeans and Eurasians.—(Continued).

APPENDIX I.

V.B.—Statement showing the Statistics of Aided Schools in the Municipality of Madras for the official year 1896-97.—(Continued.)

[illegible]

V. R. Statement showing the Statistics of Aided Schools in the Municipality of Madras for the official year 1896-97.

SCHOOLS.	NUMBER OF SCHOOLS.				Number on Roll on 31st March 1897.		Number of Results examined.		Number of Pupils found qualified for results grants.		Full amount of results grants earned.	Amount of results grants passed for payment.	AMOUNT DISBURSED.			REMARKS.	
	At the beginning of the year.	Opened during the year.	Closed during the year.	At the close of the year.	Boys.	Girls.	Number of Pupils examined.	Schools.	Number of Pupils found qualified for results grants.	Amount of salary disbursed.							
										For current year.			For previous year.	Total.			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	
GRANT-IN-AID.																	
A.—RESULTS GRANTS, (i.e. SCHOOLS ACTUALLY EXAMINED FOR RESULTS GRANTS.)																	
Schools examined by the Sub-Assistant Inspector of Mohammedan Schools, Central Circle.																	
Primary	2	1	2	60	39	19	40	15	0	40	15	0	40	15	0	Rs. 116-4-0 drawn by Rev. S. Saverinadar.	
Total	108	2	20	3,285	408	2,072	1,640	3,926	7	0	3,664	27	0	3,691	27	Mr. G. S. Israel and Rev. M. M. Allen for boys in Girls' Schools under their respective management (Rs. 29 Rs. 37-4-0 and Rs. 50) to be included.	
ABSTRACT.																	
A. Secondary Schools	8	6	3	11	1,910	39	374	408	1,864	11	0	1,032	14	0	266	13	0
B. Upper Primary Schools	48	11	7	52	3,590	394	2,051	1,665	4,806	13	0	4,471	7	0	517	3	0
C. Lower Primary Schools	108	2	20	3,285	408	2,072	1,640	3,926	7	0	3,664	27	0	3,691	27	0	
Total	164	19	30	148	8,785	837	4,697	3,513	10,997	15	0	9,117	8	0	838	11	0

* Rs. 116-4-0 drawn by Rev. S. Savarinadar, Mr. G. S. Israel and Rev. M. M. Allen for boys in Girls' Schools under their respective management (Rs. 29, Rs. 37-4-0 and Rs. 50) to be included.

G. M. J. MOORE, LIBET.-COL.,

President, Municipal Commission.

POST NOTE
Details of Building and Furniture Grants.

	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	Rent Grant.
1. Danish Mission, Elephant Gate Black Town	20	0	0										20	0	0				
2. T. Thevarudal Mudali's School, Black Town													25	0	0				
3. B. Embanamudaiyaya's, do													25	0	0				
4. T. Joseph Naidu's School, Tondiarpet													25	0	0				
5. P. Varadunayya's, Black Town													25	0	0				
6. N. Varadaraju Chetti's, do													25	0	0				
7. P. Narayanaswamy Mudali's do													25	0	0				
8. K. Singaravelu Mudali's, do													25	0	0				
9. Upper Primary, Royapuram													24	0	0				
10. Lutheran Mission, Tondiarpet													40	16	0				
11. N. Narasimha Pillai's, Black Town													101	0	0				
12. T. Balaram Naidu's, Triplicane													25	0	0				
13. A. Ramannulu Chetti's, Black Town													25	0	0				
14. R. Arumuga Pillai's, Perambore													25	0	0				
15. V. Venkatasubbaiah's, Sanjiviroyspet													25	0	0				
16. V. Venkatasubbaiah's, Chintadripet													25	0	0				
17. A. Sreenivas Mudali's, Tondiarpet													24	8	0				
18. Vanna Sangam, Mysapore													25	0	0				
19. T. Gangathara Mudali's, Nungambakam													25	0	0				
20. B. Thulukana Vathiar's, Tondiarpet													25	0	0				
21. T. Ramalinga Naidu's, do													25	0	0				
22. K. Seshayya's, Black Town													25	0	0				
Total	319	8	0										315	15	0	635	7	0	

Furniture Grants.
 The sanction of the proposals made for the utilisation of the unspent allotment under building grant was received too late in this year to be fully given effect to.

* Represents the value of Pro-notes purchased for the annual allotment shown in Statement II plus interest realized on previous investments on market loans.
 † Government 3 1/2 % Loan of 1942-43 Rs. 74,500.

Do.	1834-55	56,800.
Do.	1856	10,05,400.
Do.	1878	14,700.

	Rs.	A.	P.		Rs.	A.	P.
To Grant I.—Public Works	4,88,869	8	8	By Opening Balance	5,09,707	9	6
" " II.—Education	12,363	15	0	" Municipal Rates and Taxes	6,40,069	5	7
" " III.—Sanitation and Medical Services	4,07,757	11	8	" Revenue derived from Municipal property and powers apart from Taxation	2,71,440	8	2
" " IV.—Miscellaneous Municipal purposes	98,424	5	11	" Grants and Contributions	1,82,904	5	10
" " V.—Supervision and Management	74,938	15	0	" Miscellaneous	8,638	9	2
" Repayment of Debt	17,460	0	0	" Advances Recovered	23,622	12	6
" Interest on Loan	64,417	8	0				
" Advances Recoverable	21,002	4	0				
" Refund of other than Current Collections	4,057	12	5				
" Pensions and Gratuities	6,198	6	7				
" Closing Balance	4,46,952	11	0				
Total	16,39,383	2	3	Total	16,39,383	2	3

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CR.

To Grant I.	RS.	A.	P.	By Opening Balance	RS.	A.	P.	RS.	A.	P.
Establishment—General,				„ Municipal Rates and				30,628	12	2
In-door	500	4	0	Taxes—						
„ Grant IV.				Lighting Tax on						
Lighting—Establishment	1,698	1	0	Buildings.						
Labor	359	0	0	Arrear ...	3,129	2	10			
Maintenance	60,252	8	0	Refund	3,710					
Additional Lamps and								3,125	11	0
Sundries	5,212	12	5	Current...	53,847	9	9			
Repairs to Lamps and				Refund	169	0	11			
Posts	1,124	10	7					53,678	8	10
Other charges—										
Stores	86	2	4	„ Lighting Tax on Lands						
Workshops	144	7	3	Arrear ...	30	2	5			
„ Grant V.				Current ...	500	3	4			
Salaries of Officers	1,913	8	0							
Head Office	288	7	8	Advances Recovered						
Assessment and Collection	2,668	15	0							
Contribution for Central Office										
and Audit Establishments	125	0	0							
„ Refund of other than Current										
Collections	134	5	0							
„ Closing Balance	23,048	15	2							
Total...	97,557	0	5					Total...	97,557	0

	REVENUE ACCOUNT.		CAPITAL ACCOUNT.		TOTAL.	
	Actuals 1896-97.	Revised Estimate 1896-97.	Actuals 1896-97.	Revised Estimate 1896-97.	Actuals 1896-97.	Revised Estimate 1896-97.
Receipts—	RS.	RS.	RS.	RS.	RS.	RS.
Opening Balance	2,28,007	2,28,000	3,71,486	3,71,490	5,99,493	5,99,490
Municipal Rates and Taxes	8,80,339	8,31,350	...	...	8,80,339	7,91,350
Revenue derived from Municipal pro- perty and powers apart from Taxa- tion	2,71,441	2,58,210	...	...	2,71,441	2,58,210
Grants and Contributions	32,904	32,910	1,50,000	1,50,000	1,82,904	1,82,910
Miscellaneous	38,110	32,600	...	...	38,110	32,600
Extraordinary and Debt	27,105	27,000	...	...	27,105	27,000
Advances Recovered	36,216	35,900	...	...	36,216	35,900
Total...	15,14,122	15,45,970	5,21,486	5,21,490	20,35,608	20,67,460
Charges—						
Grant I. Public Works	5,30,767	5,95,080	76,008	1,27,290	6,06,775	7,22,370
II. Education	12,304	14,490	...	...	12,304	14,490
III. Sanitation and Medical Services	3,72,758	3,86,530	35,000	35,000	4,07,758	4,21,530
IV. Miscellaneous Municipal Purposes	1,87,652	1,93,200	...	...	1,87,652	1,93,200
V. Supervision and Manage- ment	99,919	1,06,700	...	...	99,919	1,06,700
Repayment of Debt	53,920	53,920	...	...	53,920	53,920
Interest on Loans	1,58,805	1,58,000	...	...	1,58,805	1,58,000
Advances Recoverable	21,003	20,000	...	...	21,003	20,000
Refund of other than Current Collec- tions	7,544	8,000	...	...	7,544	8,000
Pensions and Gratuities	6,198	6,280	...	...	6,198	6,280
Closing Balance	68,253	3,820	4,10,478	3,59,200	4,78,731	3,65,020
Total...	15,14,122	15,45,970	5,21,486	5,21,490	20,35,608	20,67,460

FORM I.

Statement showing the constitution of the Municipality of Madras during the year ending 31st March 1897.

Statement showing the constitution of the Municipality of Madras during the year ending 31st March 1900.																
1	2	3	4	5	6							7				
Name of District.	Serial No. of Municipality.	Name of Municipality.	Act under which constituted.	Population within Municipal limits.	Number of Members of Committee.								REMARKS.			
					Ex-officio.	(a)	Nominated.	(b)	Selected.	(c)	Total.	Officials.		Non-Officials.	Europeans and Eurasians.	(d)
Madras.	1	Madras.	I & VII of 1884 and II of 1892.	4,52,518	1	8	24	33	9	24	8	25				

APPENDIX I.

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	1899-1900	1900-1901	1901-1902	1902-1903	1903-1904	1904-1905	1905-1906	1906-1907	1907-1908	1908-1909	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914	1914-1915	1915-1916	1916-1917	1917-1918	1918-1919	1919-1920	1920-1921	1921-1922	1922-1923	1923-1924	1924-1925	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930	1930-1931	1931-1932	1932-1933	1933-1934	1934-1935	1935-1936	1936-1937	1937-1938	1938-1939	1939-1940	1940-1941	1941-1942	1942-1943	1943-1944	1944-1945	1945-1946	1946-1947	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171
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APPENDIX I.

FORM III.

Statement showing the Expenditure of the Municipality of Madras for the year ending 31st March 1897.

6

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(a) Tools and Plant purchased by P.W.D.
(b) Includes Rs. 5,298 paid to Government on account of Medical College.
(c) Included in Statement III.
(d) Do.
(e) Includes Rs. 28,640 paid towards Government Loan.

NON-OFFICIAL MEMBERS.

LIEUT.-COL. G. M. J. MOORE, C. I. E., *President.*

NON-OFFICIAL MEMBERS.

1st Division.

1. H. Ormerod, Esq. Nominated on 27th August 1895.
2. M. R. Ry. P. THEAGAROYA CHETTY GARU. Re-elected on 31st July 1894.
3. " R. BALAKISTNAMA CHETTY GARU. Re-elected on 31st July 1894.
4. " R. N. PRAGASA MUDALIAR AVARGAL. Re-elected on 25th September 1894.

2nd Division.

- | | | |
|----|-----------|--|
| 1. | M. R. Ry. | SALLA GURUSAWMY CHETTY GARU. Elected on 31st July 1894. |
| 2. | " | M. VENKATARAMIAH CHETTY GARU. Elected on 13th November 1894. |
| 3. | " | C. YETTERAJULU NAIDU GARU. Re-elected on 31st July 1894. |
| 4. | " | P. M. SIVANGNANA MUDALIAR AVARGAL, Elected on 16th October 1894. |

5. COWASJEE EDULJEE, ESQ. Re-nominated on 4th September 1894.

3rd Division.

1. **Haji MAHOMED ABDUL HADI BADSHA SAHIB.** Elected on 31st July 1894.
2. **M. R. Ry. P. V. KISTNASAWMY CHETTY GARU.** Re-elected on 17th November 1896.
3. **M. VARADARAJULU CHETTY GARU.** Re-elected on 31st July 1894.
4. **G. SUBBARAYALU CHETTY GARU.** Elected on 23rd October 1894. Re-signed
5. **THE HON'BLE MAHOMED SHERIFF KHAN BAHADUR.** Nominated on 4th September 1894.
6. **M. R. Ry. C. S. THEAGARAYA MUDALIAR AVARGAL.** Elected on the 23rd March 1897.

4th Division.

1. M. R. Ry. M. RAMANISTNAIYA PANTULU GARU. Elected on 25th September 1894.
2. J. DeCASTER, Esq. Elected on 1st May 1894.
3. E. H. ELLIOT, Esq. Nominated on 27th August 1895.

5th Division.

1. M. R. Ry. V. VARADAPPA NAIDU GARU. Elected on 31st July 1894.
2. THE HON'BLE P. RUNGIAH NAIDU GARU. Elected on 23rd October 1894.
3. M. R. Ry. W. S. VENKATARAMANJULU NAIDU GARU. Re-elected on 25th September 1894.
4. RAO BAHADUR C. KALYANASUNDARAM CHETTIAR AVAEGAL. Nominated on 16th July 1895.

APPENDIX II.

6th Division.

1. B. LOVERY, Esq. Re-nominated on 16th November 1894. Ceased to be a Commissioner on the 26th October 1896 on account of absence from 3 consecutive General Meetings.
2. N. SUBRAHMANYAM, Esq. Re-elected on 12th September 1893 and ceased to be a Commissioner on the 11th September 1896, the 3 years term having expired, but nominated on the 19th December 1896 in the room of B. Livery, Esq.
3. M. R. Ry. M. K. LAKSHMANA CHARIAR AVARGAL. Elected on 20th October 1896 in the room of N. Subrahmanyam, Esq.
4. " RAI BAHADUR A. DHANAKOTI MUDALIAR AVARGAL. Re-elected on 17th November 1896.
5. R. F. GRANT, Esq. Elected on the 23rd October 1894.

7th Division.

1. M. R. Ry. RAO BAHADUR V. KRISHNAMA CHARIAR AVARGAL. Elected on 25th June 1895.
2. " M. O. PARTHASARATHY IYANGAR AVARGAL. Re-elected on 25th September 1894. Resigned.
3. M. R. Ry. C. TIRUMALAYYA NAIDU GARU. Elected on the 22nd September 1896 in place of M. R. Ry. M. O. Parthasarathy Iyengar Avargal resigned.
4. " G. SUBRAMANIA IYER AVARGAL. Re-elected on the 22nd September 1896.
5. SURGEON-LT.-COL. G. L. WALKER. Nominated on 21st May 1895.

8th Division.

1. SURGEON-LT.-COL. J. MAITLAND. Nominated on 24th July 1894.
2. M. R. Ry. V. C. DESIKA CHARIAR AVARGAL. Elected on 24th March 1896.
3. " P. SUBRAMANIA IYER AVARGAL. Elected on 24th March 1896.

Standing Committee.

The Standing Committee consisted of:—

OFFICIAL MEMBER.

LT.-COL. G. M. J. MOORE, C. I. E., President.

NON-OFFICIAL MEMBERS.

M. R. Ry. P. Theagaroya Chetty Garu
 " B. N. Pragasa Mudaliar Avargal
 Haji Mahomed Abdul Hadi Badsha Sahib
 The Hon'ble P. Rungiah Naidu Garu
 M. R. Ry. Salla Gurusawmy Chetty Garu
 " W. S. Venkataramanjulu Naidu Garu
 " P. M. Sivangnana Mudaliar Avargal

Elected by ballot at the
 General Meeting held on 29th
 April 1896.

APPENDIX II.

List showing the attendance of individual Commissioners at their meetings during 1896-97.

Date of elections or nominations.	No. of Meetings attended.
31st July 1894...	The President and the Ag. President ... 20
Do 1894...	M.R.Ry. V. Varadappa Naidu Garu ... 20
Do 1894...	" P. Theagaroya Chetty Garu ... 18
16th July 1895...	" R. Balakistnama Chetty Garu ... 18
23rd Oct. 1894...	" Rao Bahadur C. Kalyanasundaram Chettiar ... 18
1st May 1894...	Avargal ... 18
24th March 1896...	The Hon'ble P. Rungiah Naidu Garu ... 17
16th Oct. 1894...	J. DeCaster, Esq. ... 17
31st July 1894...	M.R.Ry. V. C. Desika Chariar Avargal ... 15
27th Aug. 1894...	" P. M. Sivangnana Mudaliar Avargal ... 15
25th Sep. 1894...	" M. Varadarajulu Chetty Garu ... 14
31st July 1894...	H. Ormerod, Esq. ... 14
27th Aug. 1894...	M.R.Ry. R. N. Pragasa Mudaliar Avargal ... 14
25th Sep. 1894...	Salla Gurusawmy Chetty Garu ... 14
31st July 1894...	" M. Venkataramiah Chetty Garu ... 14
13th Nov. 1894...	" W. S. Venkataramanjulu Naidu Garu ... 14
25th Sep. 1894...	" M. Ramakistnaia Pantulu Garu ... 13
Do 1895...	Surgeon Lt.-Col. G. L. Walker. ... 13
21st May 1895...	M.R.Ry. Rao Bahadur V. Krishnama Chariyar ... 13
25th June 1895...	Avargal ... 13
22nd Sep. 1896...	G. Subramania Iyer Avargal ... 12
4th Sep. 1894...	Cowasjee Eduljee, Esq. ... 12
Do 1894...	The Hon'ble Mahomed Sheriff Khan Bahadur ... 12
31st July 1894...	Haji Mahomed Abdul Hadi Badsha Sahib ... 12
17th Nov. 1896...	M.R.Ry. P. V. Kistnasawmy Chetty Garu ... 12
24th March 1896...	" P. Subramania Iyer Avargal ... 11
22nd Sep. 1896...	" C. Tirumalaya Naidu Garu ... 11
24th July 1894...	Surgeon Lt.-Col. J. Maitland ... 10
31st July 1894...	M.R.Ry. C. Yetherajulu Naidu Garu ... 10
23rd Oct. 1894...	" G. Subbrayulu Chetty Garu ... 10
20th Oct. 1896...	" M. K. Lakshmanachariar Avargal ... 8
27th Aug. 1895...	E. H. Elliot, Esq. ... 8
23rd Oct. 1894...	R. F. Grant, Esq. ... 8
17th Nov. 1896...	M.R.Ry. Rai Bahadur A. Dhanakoti Mudaliar ... 7
19th Dec. 1896...	Avargal ... 7
25th Sep. 1894...	N. Subrahmanyam, Esq. ... 4
16th Nov. 1894...	M.R.Ry. M. O. Parthasarathy Iyengar Avargal ... 2
23rd March 1897...	B. Livery, Esq. ... 1
	M.R.Ry. C. S. Theagaroya Mudaliar Avargal ... 1
	446

Division.	Date of Election.	Date when gazetted.	Number of registered Voters.	Number of Voters who exercised the franchise.	Percentage of Number Voted to registered number.	Names of Candidates.	Number of Votes obtained by each.	Names of Candidates duly elected.	REMARKS.
1	2	3	4	5	6	7	8	9	10
7	28th August 1896	22nd Sept. 1896	1,085	783	72.07	M. R. Ry. G. Subramanya Iyer Avargal. M. R. Ry. C. Terumalayya Nayudu Garu. M. R. Ry. M. K. Lakshmanan Chariar Avargal. M. R. Ry. S. Biligiri Aliyengar Avargal. John Adam Esq. M. R. Ry. G. Varadaiya Nayudu Garu.	285 262 250 202 181 120	M. R. Ry. G. Subramanya Iyer Avargal. M. R. Ry. C. Terumalayya Nayudu Garu.	To fill two vacancies caused by (1) retirement by efflux of time, of M. R. Ry. G. Subramanya Iyer Avargal and (2) by resignation of M. R. Ry. M. O. Parthasarathy Iyengar Avargal.
6	28th Sept. 1896	20th October 1896	340	154	45.29	M. R. Ry. M. K. Lakshmanan Chariar Avargal. N. Subrahmanyam, Esq.	89 38	M. R. Ry. M. K. Lakshmanan Chariar Avargal.	To fill a vacancy caused by retirement by efflux of time, of Mr. N. Subrahmanyam.
3	31st October 1896	17th Nov. 1896	1,094	136	12.43	M. R. Ry. P. V. Krishnasami Chetti Garu.	136	M. R. Ry. P. V. Krishnasami Chetti Garu.	To fill a vacancy caused by retirement by efflux of time, of the gentleman re-elected.
6	Do.	Do.	340	136	39.96	M. R. Ry. Rai Bahadur A. Thana-koti Mudaliar Avargal. Abbas Samud Khan Bahadur.	90 40	M. R. Ry. Rai Bahadur A. Thana-koti Mudaliar Avargal.	To fill a vacancy caused by retirement by efflux of time, of the gentleman re-elected.
3	27th February 1897	23rd March 1897	1,143	167	14.64	M. R. Ry. C. S. Theagaraya Mudaliar Avargal. M. R. Ry. P. A. M. Mourumpe Mudaliar Avargal.	148 8	M. R. Ry. C. S. Theagaraya Mudaliar Avargal.	To fill a vacancy caused by the resignation of M. R. Ry. G. Subramayalu Chetti Garu.
Total...			4,016	1,976	49.23				
Average...			803	395	49.23				

TABLE No. 1.

Particulars of Expenditure on the Black Town Drainage Works during the year, 1896-97.

Particulars.	Expenditure.		
	Rs.	A.	P.
Constructing a trial drain in Parish Vencatachella Iyer Street	5,412	0	0
House Drains	307	0	0
Petty Works	63	0	0
Total...	5,782	0	0

TABLE No. 2.

Table showing the quantity of water supplied to the City during 1896-97 as compared with that of the previous year.

Month.		1896-97. Quantity c. ft.	1895-96. Quantity c. ft.
April	1896	36,053,451	32,735,043
May	"	42,919,740	34,714,375
June	"	40,678,227	32,727,672
July	"	41,270,931	29,625,750
August	"	38,737,251	28,657,962
September	"	38,866,608	28,831,572
October	"	38,086,524	26,949,240
November	"	31,390,200	26,834,112
December	"	31,340,439	28,923,156
January	1897	35,667,243	31,847,364
February	"	34,543,800	30,933,684
March	"	41,213,880	33,929,415
Total...		450,768,294	366,709,545

APPENDIX II.

TABLE No. 3.

The following table shows the distribution of Fountains and the area supplied.

Division.	Urban or Suburban.	Area of Division.	Population in water-supply area.	Water-supply area.	Number of fountains.	Number of persons to each fountain.	Average area supplied by each fountain in square miles.
		sq. miles.		sq. miles.			
1	Both	5.31	42,225	1.43	142	297	.010
2	Urban	1.02	78,648	0.88	144	546	.006
3	Urban	0.91	51,332	0.65	114	450	.005
4	Suburban	3.88	3,597	0.50	94	38	.005
5	Urban	2.81	67,617	2.56	215	314	.011
6	Suburban	4.16	9,505	1.88	79	120	.023
7	Urban	2.19	71,104	1.97	201	354	.009
8	Suburban	6.54	25,318	2.08	153	165	.013
	Total	26.82	3,49,345	11.95	1,142		

TABLE No. 4.

The following table shows the number of new services laid in, each Division and the total up to the end of the year.

Division.	Up to end of 1878.	1879.	1880.	1881.	1882.	1883.	1884-85, 15 months.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	Total.
1	1																			
2	112	80	105	83	199	158	139	132	137	98	215	290	244	119	414	478	295	385	264	479
3	59	33	63	82	74	157	95	98	110	106	117	179	215	59	187	355	239	214	111	3,937
4	4	2	1	1		21	12	12	20	37	64	98	6	36	71	111	110	126	101	3,938
5	52	15	27	25	47	46	72	41	52	71	71	118	56	47	193	124	140	164	108	1,405
6	28	9	11	2	9	11	8	10	7	8	9	10	9	24	19	26	20	15		254
7	40	18	30	28	48	45	76	41	82	106	153	156	193	73	217	282	271	221	201	2,231
8	3	1	4	6	15	33	15	15	8	19	42	38	35	17	66	61	67	62	109	816
	299	158	241	222	398	511	449	361	430	463	600	697	820	362	1,147	1,473	1,193	1,241	1,153	12,511

APPENDIX II.

TABLE No. 5.

The following table shows the amount of water used for non-domestic purposes during the year, the bills issued and the total collection of the year.

Period	AMOUNT OF WATER USED DURING THE YEAR.		Bills issued during the year.		Amount collected during the year.	
	Gallons.	Value.				
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Last quarter of 1895-96						
1st do 1896-97	22,815,152	8,555 10 11	7,142 1 10	8,555 10 11		
2nd do do	15,846,111	5,942 4 8	5,942 4 8	5,942 4 8		
3rd do do	11,371,000	4,264 2 0	4,264 2 0	4,264 2 0		
4th do do	16,377,500	6,141 9 0				
Total	66,409,763	24,903 10 7	25,904 3 5		27,632 9 6	
Total for 1895-96...	91,566,438	22,891 9 9	19,884 0 4		19,462 7 9	

TABLE No. 6.

Table showing the number of Prosecutions instituted for 1896-97.

Sections.	Charges.	Number of Summons taken out.	Convicted.	Acquitted.	Withdrawn.	Partly not found.	Undisposed of.	Remarks.
245	For Buildings in new streets which have not been drained and metalled	3	3					
248	" neglecting to pave, level, metal, &c., private streets							
264	" erecting or renewing pandals or sheds of inflammable materials without sanction	363	507	13	17	308	18	
265-267	" erecting or restoring buildings without sanction	851	152	4	10	172	13	
273	" renewing huts, &c.							
286	" encroaching on public land	33	11	3		17	2	
288	" erecting temporary pandals in public streets without sanction	2						
289-290	" pandals, sun-shades, scaffoldings, &c.	177	83	13	5	71	5	
294	" depositing building materials	5	3			1	1	
302	" neglecting to repair or protect dangerous buildings	19	16	2		1		
329	" to maintain and trim hedges							
331	" removing sand from the Chowm or Nullahs							
332-333	" neglecting to take out licenses for dangerous trades	74	39	1	5	14	15	
338-339	" do. do. for timber and firewood depôts	470	275	25	7	154	9	
431	" obstructing persons employed by the Commissioners in their duty							
	Total	1,997	1,089	61	45	738	64	

APPENDIX II.

TABLE No. 7.

Table showing the number of Permits granted under various Sections of the Act during 1896-97.

Sections.	Particulars.	No. of Permits granted.	REMARKS.
244	Opening New Streets	1	
264	Erecting pandals and roofs of inflammable materials*	727	
266	" or restoring buildings	1,054	
266	Simple repairs	1,574	
288	Erecting verandahs, sun-shades, etc. ...	12	
289	" temporary pandals over streets ...	975	
290	" scaffoldings	65	
Total ...		4,408	

TABLE No. 8.

Table showing the No. of Notices served under various Sections of the Act during 1896-97.

Sections.	Particulars.	Complied with.	Not complied with.	Total.
264	Requiring to remove pandals or huts erected of inflammable materials	64	613	677
265	Do to give notice of commencing to erect or restore buildings	136	219	355
270	Do to keep external walls in proper order	...	3	6
272	Do to remove and alter huts under order of President	3	...	...
273	Do buildings to be properly drained	...	10	14
274	Do to construct culverts by the owners or occupiers	4	3	8
277	Do to connect house drains with Municipal drains	5	2	8
285	Do to remove the existing projections, &c.	1	44	69
286	Do to remove the projections or encroachments	25	311	336
288	Do to take down or secure dangerous buildings	648	60	708
302	Do to repair, protect or enclose dangerous places	64	20	84
320	Do to maintain and repair fences	124	17	141
338-339	Do to take out license for timber, firewood and hay depôts, &c.	32	...	...
429	Do to enter upon any land within 24 hours for the purposes of the Act	109	18	127
Total ...		1,205	1,320	2,525

APPENDIX II.

TABLE No. 9.

The following is a Statement showing the number of Notices served under the Sections of the Act noted in the first column:—

Sections.	Charges.	Complied with.	Not complied with.	Total.
248	For paving, &c., private streets	...	2	2
277	To repair branch drains, &c.	59	27	86
280	" provide latrines for private houses	117	54	171
281	For enclosing or cleaning deserted buildings and lands ...	13	6	19
282	" dangerous places to be repaired or enclosed ...	84	10	94
307	" depositing ashes, &c., in streets	155	3	158
313	" keeping filth for more than 24 hours	57	4	61
314	" allowing sewage to flow in streets	126	30	156
321	" filthy premises	930	162	1,092
322	" cleansing buildings	644	47	691
324	" abating of overcrowding in building	1	...	1
326	" cleaning and filling up tanks and wells	66	42	108
332-33	" carrying on an offensive trade without license ...	17	27	44
335	" using hack stable, cattle yard, &c., without license...	62	20	82
364	" proper drainage of markets	13	1	14
372	" disinfecting buildings, &c.	107	1	108
Total ...		2,451	436	2,887

TABLE No. 10.

Table showing the number of Prosecutions instituted for the year 1896-97.

Sections.	Charges.	Number of Summonses served.	Convicted.	Acquitted.	Withdrawn.	Party not found.	Undisposed of.
280	For failing to provide latrines for private houses ...	47	40	6	1	9	...
289	" making encroachments or obstructions over street drains	230	206	20	5	96	...
294-295	" depositing materials on streets	15	14	...	...	10	1
307	" depositing ashes, &c., in streets	248	237	8	...	56	3
308	" depositing night-soil in dust-bins	495	460	26	...	142	9
314	" allowing sewage water to flow in streets	20	26	3	...	9	...
316	" removing night-soil in a cart without a cover ...	6	8	...	...	7	...
317	" throwing rubbish, &c., into drains	7	6	1	...	...	...
321	" filthy premises	161	147	11	1	46	2
322	" cleaning of buildings	33	19	14	...	11	...
326	" cleaning, fencing, &c., dangerous or injurious tanks or wells	3	2	1	...	1	...
332	" carrying on offensive trades without license ...	281	248	13	20	83	...
313	" keeping filth for more than 24 hours	3	3	...	...	3	...
335	" using a place as hack stable or cattle-yard without a license	542	513	24	1	182	4
336	" keeping swine so as to be a nuisance to the neighbourhood	95	94	1	...	13	...
343	" using a place as bake house without license ...	116	100	7	4	48	5
346	" using a place as slaughter-house do	3	1	2	...	3	...
348	" slaughtering sheep in a place other than in a slaughter-house	73	69	4	...	10	...
350	" filling up a hole	4	3	1	...	2	...
350	" feeding animals with night-soil, &c.	2	2	...	...	...	...
362	" opening market without sanction	3	3	...	...	...	...
363	" keeping a market without license	16	2	...	14	3	...
366	" keeping market open after refusal to grant license	...	...	...	...	7	...
382	" selling in prohibited street	41	41	...	...	...	...
382	" using an unregistered burial ground	1	1	...	...	2	...
388-389	" burying or burning in a closed burial or burning ground	6	5	1	...	...	...
431	" obstructing Municipal servant in his duty ...	6	4	2	...	...	...
Total ...		2,466	2,251	145	46	743	24

No. 6642
19-6-97.

Forwarded.

D. DUNCAN,
Director of Public Instruction.

No. 545 M.

OFFICE OF THE INSPECTOR OF SCHOOLS,
CENTRAL CIRCLE,
STATION BANGALORE,
Dated, 12th June 1897.

From

E. MARSDEN, Esq., B.A.,
*Inspector of Schools,
Central Circle.*

To

THE PRESIDENT,
*Municipal Commission, Madras.
Through the Director of Public Instruction.*

SIR,

I have the honor to forward the annual statements for 1896-97 submitted by the Assistant Inspector of Schools, Presidency Division, with the following remarks:—

2. The number of Secondary schools increased by 3 and pupils in them by 283. But on the other hand the aided Primary schools suffered a loss of 15 schools and 204 pupils. The latter decrease is due to the strict enforcement of the Educational Rules.

3. The pupils belonging to the Muhammadan community decreased in number; the Assistant Inspector's remark that all classes shared in the increase is therefore incorrect.

4. The number of unpassed teachers has increased from 114 to 122; but of these as many as 89 are qualified by service. It is not understood how, notwithstanding the decrease in the number of schools, there could have been more unpassed teachers except it be that unpassed teachers have taken the place of passed men. This tendency on the part of managers should be discouraged. The number of uncertificated teachers too is very high and the Inspecting School Masters and the Sub-Assistant Inspector should see that as many uncertificated teachers as possible are sent up for training next year.

5. *Inspecting School Masters.*—Satisfactory work has been done by both the Inspecting School Masters. The Inspecting School Master, Triplicane, should visit more schools in future.

6. *Sessional Schools.*—Fifty teachers were prepared for the Primary Examination by both the Inspecting School Masters. Of these only 38 actually appeared for the examination of whom 20 passed completely for certificates and 5 partially. The results secured by the school held by the Inspecting School Master, Black Town Range, were more satisfactory than those of the other school. All the

teachers prepared for the examination should be required to appear for the examination the same year.

I have the honor to be,
Sir,

Your most obedient servant,

E. MARSDEN,
*Inspector of Schools,
Central Circle.*

DEPARTMENT OF EDUCATION.

OFFICE OF THE ASSISTANT INSPECTOR OF SCHOOLS,
PRESIDENCY DIVISION,
MADRAS, 3rd June 1897.

No. 544 M.

From

THE ASSISTANT INSPECTOR OF SCHOOLS,
Presidency Division.

To

THE INSPECTOR OF SCHOOLS,
Central Circle.

SIR,

With reference to your endorsement No. 515 M., dated 2nd June 1897, returning the Statement I to IV, V. B. and the statement showing the work done by the Inspecting School Masters of the Madras Municipality, I have the honor to re-submit them with the necessary corrections made therein.

I have the honor to be,
Sir,

Your most obedient servant,
A. C. PRANATHARTIHARA IYER,
*Assistant Inspector of Schools,
Ag. in Presidency Division.*

Statement No. 1 relating to General Statistics in the Result Schools of the Municipality of Madras, 1896-97.

Municipality of Madras, 1895-96.								
	1895-96.			1896-97.			REMARKS.	
	Number of Schools.	No. of Pupils on 31st March.		Number of Schools.	No. of Pupils on 31st March.			
		Boys.	Girls.		Boys.	Girls.		
<i>Secondary Schools.</i>								
Aided from Municipal Funds ...	8	1,662	4	11	1,910	39	The decrease in the number of aided Schools was due to the stricter enforcement of the Educational Rules. The attendance rose nevertheless showing more of consolidation.	
<i>Primary Schools.</i>								
Aided from Municipal Funds ...	151	7,048	799	136	6,845	798		
Unaided and Indigenous ...				1	30			
Total...	159	8,710	803	148	8,785	837		

Statement No. II showing the proportion of pupils of the great classes of the population under instruction to children of school-going age in schools in the Madras Municipality for 1896-97.

Classes of Population.	Population of School-going age.		Pupils under instruction.		Percentage.		REMARKS.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Europeans and Eurasians	1,221	...	1	...	008	...	All the classes shared in the increased attendance.
Native Christians	1,660	...	798	146	47.5	...	
Muhammadans	3,820	...	159	1	4	...	
Brahmans	...	...	408	4	...	...	
Hindus - Non-Brahman Caste Hindus	2,094	...	5,523	290	29	...	
Paraiyās and kindred classes	...	...	1,338	406	...	...	
Aborigines	...	...	...	...	...	...	
Others	...	...	...	...	...	...	
Total	53,872	...	8,786	837	25.9	...	

Statement No. III giving particulars as to the qualifications of teaching Staff employed in Schools in the Madras Municipality, 1896-97.

Classes of Institutions.	No. of Teachers employed.	No. possessing Trained Teachers' Certificates.	No. possessing Untrained Teachers' Certificates.	Number with General Education Certificates.	No. of Teachers qualified solely by length of service.	Unpassed Teachers.	REMARKS.
Secondary Schools.							
Aided from Municipal Funds	9	19	25	33	1	8	Excludes 5 trained gymnastic instructors.
Primary Schools.							
Aided from Municipal Funds	319	58	31	116	88	26	Remuneration was given to bona fide teachers for passing the Primary Examination in the last year.
Unaided and Indigenous	2	...	1	1	...	...	
Total	412	78	57	155	89	33	

Statement No. IV relating to the Results of the Grant Examinations in the Municipality of Madras.

the Municipality of Madras.									
Standard.	1895-96. Compulsory Subjects only.				1896-97. Compulsory Subjects only.				REMARKS.
	Number of pupils presented for the Standard.	Number passed.	Merit.	Ordinary.	Number of pupils presented for the Standard.	Number passed.	Merit.	Ordinary.	
III. Standard	1,077	705	91	614	1,089	752	97	655	The results are on the whole very good. All the standards show increased efficiency except the third in which there was a very slight fall.
II. Do	1,307	930	127	803	1,286	932	143	789	
I. Do	1,291	1,037	260	777	1,224	973	278	695	
Infant Do	999	716	244	472	1,158	867	286	581	
Name of Subject.		1895-96. Optional Subjects.			1896-97. Optional Subjects.				
Geography	...	663	341	63	278	697	312	33	279
Hygiene	...	386	189	34	155	447	223	31	192
English	...	444	346	90	256	561	434	134	300
Object Lessons	...	33	33	...	33	20	17	...	17
Kindergarten Occupation	...	69	66	1	65	42	129	...	129
Action Songs.	...	9	9	8	1	...	...	...	...
There was improvement in the number presented and passed in the optional subjects. But the attention paid to them in the result schools was small. Larger numbers might have been presented in kindergarten and object lessons. No pupils were presented in music.									

Particulars regarding Sessional Schools, Madras, during 1896-97.

Schools.	Period during which held from date to date.	Number of teachers admitted.	Number that appeared for the Primary Examination.	Number that passed the Primary Examination.				REMARKS.
				Complete test.	Compulsory Subjects and one Optional Subject.	Compulsory Subjects only.	Optional Subject only.	
Black Town Range	First Session. 20th July to 13th October 1896.	11	6	4	...	...	...	
	Second Session. 15th October to 31st December 1896.	15	15	6	5	...	...	
Triplicane Range	First Session. 9th July to 9th Oct. 1896.	11	6	2	...	...	...	
	Second Session. 14th Oct. to 31st Dec. 1896.	13	11	8	...	...	...	
Total	...	50	38	20	5	...	...	

A. C. PRANATHARTHIHARA IYER,
Assistant Inspector of Schools,
Ag. in the Presidency Division.

APPENDIX III.

Statement of work done by the Inspecting School Masters, Madra Range, Madras, for 1896-97.

Name.	Range.	No. of Schools visited.		No. of Schools examined.		No. of Pupils examined.		No. of days spent on.		Holidays.	No. of days spent in travelling.	No. of miles travelled.	REMARKS.
		No. of Schools visited.	No. of Pupils examined.	No. of Schools examined.	No. of Pupils examined.	Examining Schools.	Other Work.	Examining Schools.	Other Work.				
H. G. Krishna Row (2nd May 1896 to 31st March 1897).	Black Town.	261	261	16,001	188	81	68	...	...	(a) 2 days' casual leave.	...	...	
A. Kuppana Aiyangar (1st April 1896 to 2nd May 1896)		2	2	96	2	18	13	...	...		...	...	
A. Kuppana Aiyangar (3rd May 1896 to 31st March 1897)	Triplicane.	186	186	15,921	168	78	87	...	...	*6 days' casual leave.	...	...	
A. V. Parasuramaya (1st April to 2nd May 1896)		...	...	...	...	22	10	...	...	*One day's casual leave.	...	...	

Satisfactory work was done by Krishna Row. The work done by Kuppana Aiyangar was fair.

MADRAS,
26th May 1897. }

A. C. PRANATHARTHIHARA IYER,
Assistant Inspector of Schools,
Ag. in the Presidency Division.

(e) Statement Extract from return No. 12 (b) shewing the work of the Inspecting School Master of Mahomedan Schools, Madras, relating to the Mahomedan Poor Schools, Madras for 1896-97.

Name.	Range.	No. of Poor Schools visited.		No. of Poor Schools examined.		No. of Pupils examined.		No. of days spent on.				No. of miles travelled.	Remarks.			
		Aided.	Indige- neous.	Aided.	Indige- neous.	Boys.	Girls.	Examining Poor Schools.	Office Work.	Travelling.	No. of days spent on circuit.					
Mahomed Abdul Khalik Sahib...	Madras and Chingleput Districts ...	2	0	14	...	2	...	14	...	401	...	22	4	...	724	

ADONI,
22nd June 1897. }

KHAJA KHAN,
Sub-Assistant Inspector of Mahomedan Schools.

APPENDIX IV.

To

THE PRESIDENT,
Municipal Commission, Madras.

SIR,

1. I have the honour to forward the report on the working of the Royapettah Hospital for the year 1896-97. I was in charge of the Hospital for the whole year, except for two months (August and September) when Surgeon-Major C. M. Thomson acted for me during my absence on privilege leave.

2. There were 62 more intern and 1,510 less extern patients than in the preceding year. The decrease in extern patients was due partly to the frequent changes of medical subordinates in charge of the Out-patients' Department during the earlier part of the year, and partly to the heavy rainfall in the month of November. The daily average attendance, however, has been larger.

3. Deaths.—There were 66 deaths against 49 in the previous year. Of this number, 24 occurred in the first three months of this year, and of these twelve died within 24 hours after admission.

4. Epidemics.—There were no epidemics during the year. One case of small-pox and six cases of cholera were treated at the Kistnampet sheds.

5. Operations.—The total number of operations of all kinds for the year under review is 2,044 and the deaths amounted to 12.

6. Expenditure.—The cost of establishment amounted to Rs. 3,087-0-6 against Rs. 2,935-12-9 in 1895-96, the reasons for the excess are (1) the Dhoby's pay was increased from Rs. 8 to Rs. 12 (2) and the female sweepers received Rs. 5 instead of Rs. 4 a month. Expenditure on Diets amounted to Rs. 3,360-9-2 against Rs. 1,892-6-3 and the average cost per patient amounted to annas 3 and pies 5 only against annas 5 and pies 8 in the previous year. It will be seen that a very great saving has been effected in the cost of each diet; the food too is of better quality and the meals more regularly served. There was a small saving under European Medicines.

7. Mrs. O'Donnell held the post of matron throughout the whole year and was very attentive to the patients. There have been constant changes among the Eurasian nurses who have not proved a success. As stated last year the pay is too small to attract a good class of woman and the work is extremely hard.

8. No repairs were done to the buildings which are much in need of white-washing, &c.

The contagious sheds at Kishnampet were finished during the year.

Remarks.—I can only refer to my remarks of last year which still hold good. A new hospital on a new site is much needed. The attendance is largely increasing and the accommodation for intern patients is insufficient. There are twelve wards scattered about the building and the present nursing staff is much too small to attend on the patients.

DAILY AVERAGE NUMBER.			Total.			Other castes.			Hindus.			Mahomedans.			Eurasians.			Europeans.			Total.		
Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.	Men.	Women.	Children.
113.35	2.23	60.13	225.71	13.417	10,842	20,045	2,667	2,091	8,477	7,021	6,785	12,954	1,120	1,018	1,907	1,600	998	1,563	4	33	43,804	8,885	89,919

1st April 1907.

Geo. L. Walker, M.D.,
Surgeon, 1st Dist. Col.,
Surgeon, 1st District.

FROM

Convent of St. Thomas, Mylapore.

To

Municipal Commission, Madras.

SLR,

I have the honor to submit the working of the Convent for the year 1896-97. The average daily attendance in the Dispensary is 130 ; average numbers on the Rolls in the East Indian Orphanage 22, in the Orphanage for poor natives 38, in the Asylum for old and infirm native women 19, the strength in the English school rose from 97 to 112 and in the Tamil school from 69 to 75.

I have the honor to be,

Sir,

Your most obedient servant,

M. MAGDELENA,

F. M. M.

Town, 21st May 1897.

To

THE PRESIDENT

of the Madras Municipality.

Sir,

I have the honor to send herewith the Return, called for by your last letter, of the Diseases of In-door and Out-door patients treated in the Victoria Hospital for Caste and Goshia women during the official year 1896-97. It will be seen that the usefulness of the Hospital has been extended since the date of the last annual report, and that the institution is increasing in popularity while the expenditure is kept down as much as possible. For the financial return, I can only refer to the figures furnished in the published report for the past calendar year, in the absence of the Managing Committee and Secretary and record at Ootacamund.

I have the honor to be,

Sir,

Your obedient servant,

V. KRISHNAMA CHARBIAR,

Honorary Secretary of the

Governors of the Madras Victoria Hospital.

DISPENSARY STATISTICS.

STATEMENT No. III.

Showing the Diseases of the In-door and Out-door Patients treated in the Victoria Caste and Gosha Hospital during the year 1896-97.

1	2	3	4	5
Name of Dispensary.	General Diseases.	Local Diseases.	Total number of in-door and out-door patients treated in each dispensary.	Major.
The Royal Victoria Hospital for Caste and Gosha Women.	Small-pox Cholera Dysentery Malarial fevers Primary syphilis Secondary syphilis Gonorrhoea Scrofula Worms Debility Rheumatic affections Unlabeled Venereal diseases other than those in Group A. All other general diseases.	Diseases of the nervous system. Diseases of the eye. Diseases of the ear. Diseases of the nose. Diseases of the circulatory system. Lungs (diseases of). Other diseases of respiratory system. Diarrhoea. Dyspepsia. Diseases of liver. Other diseases of the digestive system. Gout. Splenic (diseases of). Diseases of the lymphatic system. Diseases of the urinary system. Diseases of the generative system. Diseases of the organs of locomotion. Diseases of the connective tissue. Diseases of the skin. Ulcers. Poisons. No appreciable disease. Local injuries.	11,246	Major. Minor.
			1,307	

* All cases under "Malaria" should be entered under "All other general diseases."

Daily average attendance 153.09.

F. G. WELLS, L. R. C. P. & S. E.,
Superintendent, Caste and Gosha Hospital.

Dates, 20th May 1897.

APPENDIX IV.

A.—VACCINE DEPARTMENT.

Statement No. I.—Showing the particulars of Vaccination in the Madras Municipality during the Official year 1896-97.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Number.	Circle.	Population of circle according to Census of 1881.	Average population per square mile.	Average No. of Vaccinators employed during the year.	Total number of persons vaccinated.	Average No. of persons vaccinated by each Vaccinator.	Total.	Successful.	Unsuccessful.	Unknown.	Under one year.	Over 1 and under six years.	Total of all ages.	Successful.	Unsuccessful.	Unknown.	Total.	Primary Vaccination.	Re-vaccination.	Primary Vaccination.	Re-vaccination.	Total.	Re-vaccination.
	Madras Municipality.	452,513	16,019	24	16,023	1,126	27,024	18,789	153	251	12,929	5,322	18,789	6,024	891	913	7,828	99.19	87.11	41.52	13.31	54.98	

APPENDIX IV.

APPENDIX IV.

VACCINATION DEPARTMENT.
STATEMENT No. II.—Showing the particulars of Vaccination in the Madras Municipality during the year 1896-97.

Number.	Circle.	ESTABLISHMENT.						EXPENDITURE.				PAID FROM.						Total.	Number of all successful Vaccination and Revaccinations.	Average cost of each successful case.	REMARKS.
		Inspector of Vaccination and Dy. Sanitary Commissioner.	1st Class Deputy Inspector of Vaccination.	Assistant Deputy Inspector of Vaccination.	1st Class Vaccinator.	2nd Class Vaccinator.	Probationer.	Peon and Watchmen.	Pay of Establishment.	Travelling allowance.	Contingencies.	Total cost.	Imperial Fund.	Provincial.	Local Fund.	Municipalities.	Native states.				
1	Madras Municipality.	...	1	4	8	8	9	9,590-14-7	240-0-0	4,938-2-4	11,769-0-11	...	...	...	11,758-8-11	...	11,759-0-11	24,813	...	...	...
2		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Amount realized by sale of lymph, viz., Rs. 2,497-4-0 has been deducted from the total cost.

* In finding the average cost, the amount realized by sale of lymph, viz., Rs. 2,457-4-0 has been deducted from the total cost.

APPENDIX V.

VITAL STATISTICS.

VITAL STATISTICS.

TABLE I.—BIRTHS.

Return of Births in Madras among all Classes arranged according to

STILL-BORN.

BORN ALIVE.

Population.

Months.

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Total of Males and Females.

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Return of Births in Madras among all Classes arranged according to Months, for the year 1896.

VITAL STATISTICS.

TABLE II.—BIRTHS.

Return showing the average Births in Madras for 10 previous years ending 1895, 1896.															
BORN ALIVE.															
	Euro-peans.				Native Christians and Hindus.				Mahomedans.				Others.		Total.
	East Indians.		and Hindus.		Mahomedans.										
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
1886	42	47	158	183	6,938	6,457	961	934							
1887	56	44	192	190	7,116	6,725	1,014	950							
1888	44	61	208	219	7,010	6,491	1,018	939							
1889	62	57	253	217	7,069	6,724	1,044	983							
1890	65	54	247	216	7,627	7,271	1,059	1,027	3						
1891	67	64	214	241	7,978	7,398	1,090	981							
1892	64	80	208	225	7,301	6,870	972	937	1						
1893	71	59	190	217	7,946	7,514	1,121	1,102							
1894	70	65	260	230	7,298	7,054	1,028	1,070	1						
1895	64	86	285	241	8,222	7,986	1,244	1,156	2						
Total...	605	567	2,185	2,149	74,493	70,440	10,566	10,029	7						
Average...	60.5	56.7	218.5	214.9	7,449.3	7,044.0	1,056.6	1,002.9	0.7						
	54	63	246	227	7,967	7,635	1,288	1,204							

Return showing the average Births in Madras for 10 previous years ending 1895, as contrasted with the Births of the year 1896.

APPENDIX V. VITAL STATISTICS.

TABLE III.—BIRTHS.

Return of Births among all Classes in each Ward of the City of Madras, for the year 1896.

Divisions.	WARDS.	Population.	Euro- peans.		East Indians.		Native Christians.		Hindus.		Mahomedans.		Others.		Total Births.	Total of Males & Females.	Ratio per 1,000 of population.	
			Born Alive.	M. F.	Born Alive.	M. F.	Born Alive.	M. F.	Born Alive.	M. F.	Born Alive.	M. F.						
1 {	West Ward	13,337					7	7	186	163	33	32			226	204	428	
	Centre "	37,099					29	25	841	761	92	78			964	866	1,850	
	East "	20,473	3	5	17	11	74	77	281	276	20	23			395	392	787	
	Total...	71,509	3	5	19	13	119	109	1,308	1,200	145	133			1,535	1,460	3,045	
2 {	North Ward	36,287			8	17	20	17	584	581	37	30			649	645	1,294	
	Centre "	26,462					2	2	430	410	3	0			435	412	847	
	South "	21,056	6	5	18	4	6	4	811	296	1	1			837	810	1,647	
	Total...	84,385	6	5	21	21	28	23	1,325	1,287	41	31			1,421	1,367	2,788	
3 {	North Ward	35,581			1	9	3	57	60	532	534	121	119		719	726	1,445	
	Centre "	17,554	3	1	37	30	9	12	197	206	96	84			336	337	673	
	South "	6,322	3	4	3	6	1		46	84	6	3			59	47	106	
	Total...	59,457	6	6	43	39	67	81	775	774	223	210			1,114	1,110	2,224	
4	4th Division	15,250			4	7	7	16	7	6	341	253	72	61		431	343	774
	Total...	15,250			4	7	7	16	7	6	341	253	72	61		431	343	774
5 {	North Ward	38,460	2	5	20	20	55	46	704	660	32	21			813	762	1,565	
	Centre "	23,858	0	0	40	32	36	46	420	396	22	37			524	517	1,041	
	South "	18,725	13	12	52	40	60	62	348	346	43	30			516	490	1,006	
	Total...	76,062	21	23	112	92	151	154	1,472	1,402	97	88			1,853	1,769	3,612	
6 {	North Ward	8,880	3	4	1		6	1	125	139	4	1			189	145	284	
	Centre "	12,710	6	6	2		24	14	214	201	27	28			278	249	522	
	South "	21,590	9	10	8		30	15	339	340	31	29			412	394	806	
7 {	North Ward	22,778	1	1	20	25	23	20	462	440	80	17			538	503	1,039	
	Centre "	31,229	2	1	11	9	11	9	401	402	87	86			798	788	1,581	
	South "	37,281			1	1	4	3	387	381	160	146			638	531	1,060	
	Total...	81,288	3	2	32	35	38	32	1,250	1,223	227	219			1,874	1,817	3,680	
8 {	North Ward	26,057	1	4	7	6	27	31	412	426	102	117			549	584	1,133	
	Centre "	15,062	1	1	2	5	29	27	278	252	8	10			318	295	613	
	South "	41,109	2	5	9	11	56	59	630	678	110	127			807	879	1,686	
Miscellaneous		1,878																
Total of all Wards...		4,52,518	54	53	246	227	487	478	7,480	7,157	1,289	1,204			9,555	9,129	18,684	

APPENDIX V. VITAL STATISTICS.

TABLE IV.—DEATHS.

Return showing the average Deaths in Madras for 10 previous years ending 1895, as contrasted with the Mortality of the year 1896.

Year.	Deaths from Special Diseases.						Deaths from other Diseases.	General Total.	Ratio per Mille.
	Small-pox.	Measles.	Fevers.	Bowel complaints.	Cholera.	Total.			
1886	1	250	3,80	2,586	4	6,642	8,057	14,699	32.4
1887	13	73	4,037	2,911	530	7,564	8,628	16,192	35.7
1888	36	49	3,372	2,568	543	6,568	8,871	15,439	34.1
1889	45	1,204	4,154	2,993	182	8,578	8,508	17,086	37.7
1890	78	412	4,685	2,701	744	8,620	8,571	17,194	37.9
1891	66	372	6,731	4,573	1,913	13,658	10,150	23,808	52.6
1892	27	374	6,889	3,958	611	11,859	8,988	20,847	46.0
1893	20	879	6,628	2,708	27	10,262	8,322	18,584	41.0
1894	12	190	6,128	2,392	77	8,799	7,743	16,542	36.5
1895	3	249	6,265	2,204	122	8,843	8,209	17,052	37.6
Total...	301	4,052	52,690	29,597	4,756	91,396	86,047	1,77,443	
Average...	30.1	405.2	5,269.0	2,959.7	475.6	9,139.6	8,604.7	17,744.3	39.2
1896	42	494	6,039	2,353	97	9,025	8,106	17,131	37.8

APPEN
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TABLE V

Return showing the total Deaths in each Ward of the City

Divisions.	WARDS.	Population.	Europeans.		East Indians.		Native Christians	
			M.	F.	M.	F.	M.	F.
1	West Ward	13,337					9	8
	Centre "	37,099	1		3	1	30	22
	East "	20,473	3	3	14	14	50	59
	Total	71,509	4	3	17	15	89	94
2	North Ward	36,237	3	1	18	11	23	20
	Centre "	28,402				1	1	
	South "	21,636	15	3	29	16	17	18
	Total	84,386	18	4	47	28	41	38
3	North Ward	35,581			6	15	38	27
	Centre "	17,554	1	3	9	18	8	9
	South "	6,322	7	3	3	4	1	2
	Total	59,457	8	6	18	37	47	38
4	4th Division	15,250	1	2	1	3	5	4
	Total	15,250	1	2	1	3	5	4
5	North Ward	33,469	3	4	19	13	63	38
	Centre "	28,858	4	5	30	26	89	30
	South "	18,725	4	6	9	23	44	44
	Total	76,052	11	15	58	67	116	116
6	North Ward	8,880	1	5	2	8	6	5
	South "	12,710	3	1	1		13	12
	Total	21,590	4	6	3	8	19	17
7	North Ward	22,778	3	1	18	16	20	23
	Centre "	31,239			1	3	3	3
	South "	27,281				1	5	4
	Total	81,288	3	1	19	20	34	30
8	North Ward	26,057	1	1	5	4	26	36
	South "	15,062	1	2	4	6	28	20
	Total	41,109	2	3	9	10	54	56
Miscellaneous		1,878						
Total of all Wards		4,52,518	51	40	172	183	405	389
Total of Males and Females			1,240					
Ratio			31.2					

DIX V.
STATISTICS.

—DEATHS.

of Madras, for the year 1896, arranged according to Classes.

Hindus.		Mahomedans.		Others.		Total.		Total of Males and Females.	Ratio per 1,000 of population.
M.	F.	M.	F.	M.	F.	M.	F.		
198	181	36	32			243	216	459	34.4
824	909	76	91			934	1,033	1,967	32.1
257	244	26	32		1	350	353	703	34.3
1,279	1,334	138	155		1	1,527	1,602	3,129	43.7
538	645	31	30			613	707	1,320	38.3
396	466	1	3			398	470	868	32.8
467	432	16	1	2		540	465	1,005	46.4
1,401	1,543	42	34	2		1,551	1,642	3,193	37.8
486	495	120	110	1		651	647	1,298	36.4
205	221	70	65			293	316	609	34.6
53	39	10	7	2		76	56	132	20.8
744	755	200	182	3		1,020	1,019	2,039	34.2
198	202	38	37			243	248	491	32.1
198	202	38	37			243	248	491	32.1
554	524	29	16	1		639	593	1,232	36.8
297	306	29	20			399	393	792	33.1
270	306	21	30		1	551	415	966	30.0
1,121	1,126	82	66	1	1	1,389	1,391	2,780	36.0
150	141	12	3			171	160	331	37.2
183	210	20	29			220	262	472	37.9
363	354	32	32			391	412	803	37.1
335	336	11	11			353	393	746	34.5
328	302	319	325			651	638	1,284	41.1
333	340	150	153			480	500	988	36.2
996	978	180	197			1,532	1,520	3,058	37.8
403	393	111	108			546	542	1,088	41.7
246	215	11	7			290	250	540	35.8
649	608	122	115			836	792	1,628	39.6
6,721	6,919	1,134	1,115	6	2	8,489	8,642	17,131	37.8
13,631	2,252	8		17,131					
37.9	42.5	13.4		37.8					

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TABLE

Return showing the Deaths from Small-pox in each Ward of the City

Divisions.	WARDS.	DEATHS FROM											
		January.		February.		March.		April.		May.		June.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	West Ward	...	...	1	...	...	...	1	1	...	...	...	...
	Centre "	...	...	...	...	...	...	...	2	...	1	...	...
	East "	...	...	...	...	...	...	...	1	...	1	1	...
	Total...	...	...	1	...	...	...	1	1	3	...	2	1
2	North Ward	...	...	...	...	...	...	...	1	...	3	...	...
	Centre "	...	...	...	1	...	...	...	...	...	...	...	...
	South "	...	...	...	...	...	...	1	1	...	...	...	...
	Total...	...	...	...	1	...	...	1	1	1	...	2	...
3	North Ward	...	...	...	...	...	...	...	1	...	...	...	...
	Centre "	...	...	3	...	...	...	...	...	...	...	...	...
	South "	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	...	3	...	...	...	...	...	1	...	...	...
4	4th Division	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	...	...	...	...	...	...	...	...	...	...	...
5	North Ward	...	...	...	...	...	...	...	...	...	...	...	...
	Centre "	...	...	...	...	...	...	...	...	...	...	...	...
	South "	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	...	...	...	...	...	...	...	...	...	...	...
6	North Ward	...	...	...	...	...	...	...	...	...	...	...	...
	South "	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	...	...	...	...	...	...	...	...	...	...	...
7	North Ward	...	...	...	...	...	...	...	...	...	...	...	...
	Centre "	...	...	...	...	...	...	...	...	...	...	...	...
	South "	...	...	...	...	1	...	2	...	...	...	...	...
	Total...	...	...	...	1	...	...	2	...	...	...	...	...
8	North Ward	...	1	...	...	...	...	...	...	...	...	1	...
	South "	...	...	...	...	...	...	...	...	...	...	...	...
	Total...	...	1	...	...	...	...	...	...	...	...	...	...
	Total...	...	1	...	...	...	...	...	...	...	...	...	...
General Total...		...	...	...	...	...	...	...	...	...	...	...	...

DIX V.
STATISTICS.

VI.—DEATHS.

of Madras, for the year 1896, arranged according to Months.

SMALL-POX.															
July.		August.		September.		October.		November.		December.		Total.		Total of Males and Females.	Ratio.
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
...	...	...	...	...	...	...	...	...	...	...	...	2	1	3	0.2
...	...	...	1	1	2	...	...	...	...	...	...	4	3	7	0.1
...	...	...	...	...	...	...	...	...	...	...	...	2	1	3	0.1
...	...	...	1	1	2	...	...	...	...	...	...	8	5	13	0.1
...	1	...	1	...	...	...	...	...	...	...	...	4	2	6	0.1
...	...	...	...	...	...	...	...	1	...	...	...	1	1	2	0.07
...	1	...	...	...	...	1	...	...	...	...	1	2	3	5	0.2
...	2	...	1	...	...	1	...	1	...	...	1	7	6	13	0.1
...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	0.02
...	...	...	...	...	...	1	...	...	...	...	...	4	...	4	0.2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	1	...	...	...	...	...	4	1	5	0.08
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	2	...	2	...	2	0.05
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	2	...	2	...	2	0.02
...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	0.1
...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	0.04
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	2	2	4	0.06
...	...	...	...	...	...	...	...	...	...	...	...	1	2	3	0.1
...	...	...	...	...	...	...	...	...	...	...	...	1	4	5	0.06
...	1	...	...	...	...	...	...	...	...	...	...	...	3	3	0.1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	...	3	3	0.07
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3	...	2	2	2	2	...	...	1	2	1	23	19	42	0.00

APPEN
VITAL

TABLE

Return showing the Deaths from Measles in each Ward of the City

Divisions.	WARDS.	DEATHS FROM											
		January.		February.		March.		April.		May.		June.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	West Ward	...	...	...	...	2	1	...	1	...	1	...	...
	Centre "	3	...	1	1	5	1	5	4	3	1	1	1
	East "	1	1	...	...	1	5	2	...	3	...	1	...
	Total...	4	1	1	1	8	7	7	5	6	2	2	4
2	North Ward	2	5	1	3	...	2	1	1	1	2	1	...
	Centre "	1	2	3	1	3	1	...	1	1	2	...	2
	South "	...	...	1	1	...	...	2	...	1	...	1	...
	Total...	3	7	5	5	3	3	1	4	2	5	1	3
3	North Ward	...	...	5	4	2	5	1	5	2	1	2	4
	Centre "	1	1	1	1	2	2	3	...	...	...	...	1
	South "	...	...	...	...	...	...	1	...	...	...	...	...
	Total...	1	1	6	5	4	7	5	5	2	1	2	5
4	4th Division	...	...	2	...	...	...	1	...	1	...	...	...
	Total...	...	...	2	...	...	...	1	...	1	...	...	...
5	North Ward	1	...	1	...	3	3	3	...	1	3	1	2
	Centre "	1	1	...	...	...	1	2	...	...	1	...	1
	South "	1	1	...	1	2	1	3	...	2	...	...	4
	Total...	3	2	1	1	5	5	6	...	3	4	2	7
6	North Ward	...	1	1	...	...	2	...	...	...	...	...	...
	South "	2	1	1	1	1	...	3	6	...	1	1	1
	Total...	2	2	2	1	1	2	3	6	...	1	1	1
7	North Ward	...	2	1	1	5	4	4	1	1	1	...	2
	Centre "	1	...	1	2	2	7	5	7	3	2	...	4
	South "	6	1	...	4	3	9	...	4	...	1	...	1
	Total...	7	3	2	7	10	20	9	12	4	4	...	7
8	North Ward	3	1	3	3	5	5	3	2	2	2	1	1
	South "	2	2	1	...	...	1	2	1	1	...	...	2
	Total...	5	3	4	3	5	6	5	3	3	3	1	3
General Total...		33	10	23	23	36	50	36	22	27	18	8	20

DIX V.
STATISTICS.

VII.—DEATHS.

of Madras, for the year 1896, arranged according to Months.

MEASLES.																	
July.		August.		September.		October.		November.		December.		Total.		Total of Males and Females.	Ratio.		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
...	...	...	...	...	2	1	1	...	1	...	...	3	7	10	0.7		
3	2	2	4	6	11	3	7	3	3	...	1	35	36	71	1.8		
3	1	...	3	4	1	1	1	...	...	...	...	16	15	31	1.5		
6	3	2	7	10	14	5	9	3	4	...	1	54	58	112	1.5		
2	2	...	3	3	...	1	1	...	...	...	1	12	20	32	0.8		
...	...	...	...	...	...	1	1	...	...	...	1	9	11	20	0.7		
...	...	1	...	1	...	1	1	...	1	...	...	4	7	11	0.5		
2	2	1	3	4	...	3	3	...	1	...	2	25	38	63	0.7		
2	...	5	...	1	1	6	...	2	1	1	4	29	25	54	1.5		
...	...	...	...	...	...	...	...	1	1	1	...	8	9	17	0.9		
1	...	...	...	1	...	...	...	...	...	1	...	3	1	4	0.6		
3	...	5	...	1	2	6	1	3	2	2	6	40	35	75	1.2		
...	1	1	...	3	...	1	1	...	...	...	...	9	2	11	0.7		
...	1	1	...	3	...	1	1	...	...	...	...	9	2	11	0.7		
1	2	...	3	1	...	1	1	2	...	...	...	15	14	29	0.8		
2	...	...	...	...	...	1	...	...	...	...	...	6	4	10	0.4		
...	1	1	...	...	...	...	...	...	...	...	...	9	8	17	0.9		
3	3	1	3	1	...	2	1	2	...	...	...	30	26	56	0.7		
...	1	...	...	...	...	...	...	...	...	...	...	1	4	5	0.5		
1	...	...	...	...	...	...	...	...	...	1	...	12	7	19	1.4		
1	1	...	...	...	...	...	...	...	...	1	...	13	11	24	1.1		
1	...	...	1	1	...	...	...	...	1	1	1	14	14	28	1.2		
2	2	...	...	2	2	1	...	1	...	...	...	18	26	44	1.4		
...	...	...	...	1	...	...	1	...	...	...	...	10	21	31	1.1		
3	2	...	1	4	2	1	1	1	1	1	1	42	61	103	1.2		
...	1	...	1	...	1	...	...	...	3	...	1	17	20	37	1.4		
...	...	...	...	...	...	...	...	1	...	...	...	7	6	13	0.8		
...	1	...	1	...	1	...	...	1	2	...	1	24	26	50	1.2		
18	13	10	15	23	19	18	16	10	10	3	12	237	257	494	1.0		

APPEN

VITAL

TABLE

Return showing the Deaths from Dysentery in each Ward of the City

Divisions.	WARDS.	DEATHS FROM											
		January.		February.		March.		April.		May.		June.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	West Ward	1	5	6	...	...	2	...	...	2	2	2	2
	Centre "	5	8	6	7	8	9	8	2	7	6	7	8
	East "	2	3	2	2	2	2	2	...	2	1	1	...
	Total...	8	16	14	9	10	11	10	2	11	9	10	10
2	North Ward	4	...	1	2	1	3	1	1	2	5	2	2
	Centre "	1	4	1	6	1	1	3	2	...	...	2	2
	South "	2	1	4	...	3	2	3	1	4	4	1	2
	Total...	7	5	6	8	5	6	7	4	6	9	5	6
3	North Ward	7	3	3	3	1	2	5	3	2	...	2	3
	Centre "	1	1	...	...	2	1	1	2	...	2	2	2
	South "	...	...	...	...	...	...	1	...	...	...	...	...
	Total...	8	4	3	3	3	3	7	5	2	2	4	5
4	4th Division	2	4	1	...	1	2	1	4	1	2	2	...
	Total...	2	4	1	...	1	2	1	4	1	2	2	...
5	North Ward	3	5	1	4	7	1	5	5	14	3	7	2
	Centre "	1	3	...	2	3	5	3	4	4	7	6	6
	South "	1	4	...	1	3	1	4	2	3	1	3	3
	Total...	5	12	1	7	13	7	12	11	21	11	16	11
6	North Ward	2	...	1	1	2	1	2	1	2	3	4	1
	South "	3	4	...	...	...	5	2	5	4	5	3	4
	Total...	5	4	1	1	2	6	4	6	6	8	7	5
7	North Ward	1	4	1	1	1	4	2	1	3	5	3	4
	Centre "	4	2	2	1	7	1	6	6	10	14	11	7
	South "	7	2	2	2	2	2	5	6	5	5	...	...
	Total...	12	6	5	4	10	7	13	13	18	24	14	11
8	North Ward	2	4	3	5	2	1	9	5	7	7	6	5
	South "	3	2	1	...	2	1	2	1	4	2	3	3
	Total...	5	6	4	5	4	2	11	6	11	9	9	8
General Total...		52	69	36	37	43	46	65	66	76	74	67	64

STATISTICS.

IX.—DEATHS.

of Madras, for the year 1896, arranged according to Months.

Dysentery.														Total of Males and Females.	Ratio.
July.		August.		September.		October.		November.		December.		Total.			
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
4	3	3	8	6	4	9	5	2	2	1	1	36	34	70	5.2
6	2	10	5	18	40	12	17	7	6	8	18	102	128	230	6.1
2	2	1	2	5	6	3	4	3	2	5	5	31	29	60	2.9
12	7	14	15	29	50	24	26	12	10	14	24	169	191	360	5.0
2	5	5	7	4	4	7	7	4	5	4	3	37	44	81	2.2
4	4	2	1	8	4	3	5	3	1	2	...	30	30	60	2.2
2	2	...	1	2	3	2	4	4	4	1	2	28	26	54	2.4
8	11	7	9	14	11	12	16	11	10	7	6	95	100	195	2.3
5	4	6	11	8	6	4	6	7	2	7	6	57	49	106	2.9
...	3	2	2	3	1	...	1	1	1	1	...	13	16	29	1.8
...	...	1	1	...	...	...	2	...	1	2	...	4	4	8	1.2
5	7	9	13	11	7	4	9	8	4	10	6	74	69	143	2.4
4	2	2	...	3	6	1	6	1	5	3	1	22	22	54	3.5
4	2	2	...	3	6	1	6	1	5	3	1	22	22	54	3.5
2	3	9	4	9	15	6	8	3	11	4	5	70	69	139	4.1
3	6	3	8	7	6	6	10	4	7	4	6	46	70	116	4.8
2	6	1	5	5	4	4	5	7	4	3	6	36	42	78	4.1
7	15	18	20	21	25	16	23	14	22	11	17	152	181	333	4.3
3	1	...	3	1	4	5	1	4	3	5	...	31	19	50	5.6
2	3	...	3	2	4	2	5	2	1	1	1	21	40	61	4.7
5	4	...	6	3	8	7	6	6	4	6	1	52	59	111	5.1
1	3	4	2	3	6	3	4	3	3	4	6	29	43	72	3.1
7	5	4	3	5	9	6	3	5	1	10	11	77	66	143	4.5
4	3	4	6	9	7	2	4	2	2	14	8	56	51	107	3.9
12	11	12	11	17	22	11	11	10	6	28	25	182	159	341	3.9
1	4	5	14	11	5	4	5	4	9	7	7	61	69	130	4.9
3	3	9	7	9	9	5	4	2	3	1	2	38	36	74	4.9
4	7	14	21	14	14	9	9	6	12	8	9	90	105	204	4.9
57	64	71	96	112	143	85	106	68	73	57	85	825	896	1,721	3.8

APPEN
VITAL
TABLE

Return showing the Deaths from Diarrhoea in each Ward of the City

Divisions.	WARDS.	DEATHS FROM											
		January.		February.		March.		April.		May.		June.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1	West Ward	...	...	1	...	...	...	...	...	...	...	1	1
	Centre "	1	...	1	1	1	...	2	2	1	...	1	1
	East "	...	...	...	1	...	...	1	3	...	...	1	...
	Total...	1	...	2	2	1	...	3	5	1	...	3	2
2	North Ward	1	...	2	1	...	4	4	1	4	3	2	1
	Centre "	1	...	...	1	1	1	1	...	3	...	...	...
	South "	2	2	...	1	...	...	1	1	...	1	2	1
	Total...	4	2	2	2	1	5	5	2	4	5	4	2
3	North Ward	1	...	1	...	2	1	1	...	...	...	1	1
	Centre "	...	1	...	...	...	1	2	...	1	2	1	...
	South "	...	...	...	...	...	...	...	...	1	...	...	...
	Total...	1	1	1	...	2	2	3	...	2	2	2	1
4	4th Division	...	...	1	1	...	...	4	1	1	2	...	3
	Total...	...	...	1	1	...	...	4	1	1	2	...	3
5	North Ward	1	2	...	2	...	3	2	1	...	6	1	2
	Centre "	1	1	...	2	1	1	2	...	...	1	1	2
	South "	2	4	1	...	4	2	...	5	4	3	1	...
	Total...	4	7	1	4	10	4	4	6	4	10	3	4
6	North Ward	3	...	...	2	1	...	2	2	...	...	...	1
	South "	3	...	2	1	1	1	1	4	2	3	...	1
	Total...	6	...	2	3	2	1	3	6	2	3	...	2
7	North Ward	2	2	...	...	1	1	1	...	...	2	1	...
	Centre "	3	3	...	2	...	...	2	3	3	2	1	4
	South	...	1	...	...	...	...	4	1	5	2	3	...
	Total...	5	5	...	2	1	1	5	4	8	5	4	4
8	North Ward	...	3	1	1	...	...	1	1	2	4	2	3
	South "	1	...	1	1	...	...	1	...	3	2	...	1
	Total...	1	3	2	2	...	...	2	1	5	6	2	4
General Total		22	13	11	17	15	17	25	28	24	35	16	23

DIX V.
STATISTICS.

175

X.—DEATHS.

of Madras, for the year 1896, arranged according to Months.

July.		August.		September.		October.		November.		December.		Total.		Total of Males and Females.	Ratio.
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
...	...	1	...	1	...	...	1	...	...	...	...	4	2	6	0.4
1	2	1	1	4	3	...	1	...	...	4	4	16	16	32	0.8
...	...	1	2	1	3	...	...	1	1	...	...	7	8	15	0.7
1	2	3	3	6	6	...	2	1	1	4	4	27	28	55	0.7
1	...	3	5	6	3	5	2	2	4	1	3	31	26	57	1.5
2	...	1	1	4	2	3	3	1	1	1	1	14	13	27	1.0
...	...	3	2	1	2	1	...	2	1	2	2	14	13	27	1.2
3	...	7	8	11	7	9	5	5	6	4	6	59	52	111	1.3
1	1	2	...	2	4	3	3	...	3	1	...	15	13	28	0.7
...	...	1	...	...	...	1	...	1	...	3	...	5	9	14	0.7
...	...	...	1	...	...	...	...	...	...	1	...	2	1	3	0.4
1	1	3	1	2	4	3	4	...	4	2	3	22	23	45	0.7
2	...	...	...	1	...	3	2	...	...	1	...	13	9	22	1.4
2	...	...	...	1	...	3	2	...	...	1	...	13	9	22	1.4
1	...	2	2	7	4	2	3	3	2	2	3	26	28	54	1.6
2	1	2	4	6	4	...	2	...	3	2	1	17	22	39	1.6
1	1	2	...	...	3	...	4	...	2	2	...	17	24	41	2.1
4	2	6	8	13	11	2	9	3	7	6	4	60	74	134	1.7
1	1	2	...	...	1	...	...	1	...	...	1	10	8	18	2.0
1	3	3	5	5	1	2	...	...	...	1	1	21	20	41	3.2
2	4	5	5	5	2	2	...	1	...	1	2	31	28	59	2.7
3	1	2	2	1	3	2	2	1	...	2	2	16	15	31	1.3
2	2	7	4	2	3	2	1	2	2	4	2	28	28	56	1.7
2	1	1	2	4	2	1	...	...	1	3	2	14	20	34	1.2
7	4	10	8	7	8	5	3	3	3	9	6	58	63	121	1.4
3	4	7	8	4	3	4	2	2	1	1	2	27	32	59	2.2
1	...	3	2	3	4	1	...	...	1	...	3	14	14	28	1.8
4	4	10	10	7	7	5	2	2	2	1	5	41	46	87	2.1
24	17	44	41	52	45	29	27	15	23	28	30	311	321	632	1.3

APPENDIX
VITAL
TABLE

Return showing the Deaths from Cholera in each Ward of the City

[illegible]

STATISTICS.

XI.—DEATHS.

of Madras, for the year 1896, arranged according to Months.

CHOLERA.																Total of Males and Females	Ratio
July.		August.		September.		October.		November.		December.		Total.					
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	0.07		
...	...	2	2	14	12	2	2	...	...	...	...	18	17	35	0.9		
...	...	...	...	2	5	2	1	...	...	...	...	4	6	10	0.4		
...	...	2	2	17	17	4	3	...	...	...	...	23	23	46	0.6		
1	...	...	...	...	2	...	1	...	2	2	...	3	5	8	0.2		
1	...	...	...	...	1	...	...	...	...	...	...	1	1	2	0.07		
...	...	...	...	...	...	...	...	1	...	1	...	2	...	2	0.09		
2	...	...	...	...	3	...	1	...	3	2	1	4	8	12	0.1		
...	...	...	...	1	3	1	4	...	3	...	...	2	9	11	0.3		
...	...	...	...	...	...	1	2	1	1	1	...	4	3	7	0.3		
1	...	...	...	1	2	2	...	4	1	...	...	6	12	18	0.3		
1	...	2	...	...	...	...	...	...	...	...	...	3	...	3	0.1		
1	...	3	...	...	...	...	...	...	...	...	...	3	...	3	0.1		
...	...	...	...	...	...	1	...	...	...	...	...	2	1	3	0.08		
...	...	...	...	1	...	...	...	...	...	...	1	1	1	2	0.1		
...	...	2	...	1	...	1	...	...	...	1	...	3	2	5	0.06		
...	...	...	...	...	...	1	...	...	...	1	...	2	2	4	0.4		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	1	...	...	...	1	...	2	2	4	0.1		
...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	0.04		
...	...	1	...	1	...	...	...	...	...	...	1	2	1	3	0.06		
...	...	...	...	1	...	...	...	...	...	1	3	2	3	5	0.1		
...	...	1	2	2	...	...	...	1	...	1	4	5	4	9	0.1		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
4	...	7	2	21	22	7	11	2	7	5	6	40	51	97	0.2		

APPENDIX V.
VITAL STATISTICS.

TABLE XII.—DEATHS.

Return showing the Deaths from special and other Diseases for the year 1896,
arranged according to Months.

Months.		CAUSE OF DEATH.											
		Cholera.		Small-Pox.		Measles.		Fever.		Dysentery.		Diarrhea.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January	1896				1	25	19	237	231	52	59	22	10
February				4		23	23	212	215	36	37	11	17
March				2		36	50	197	241	45	45	17	17
April				2	6	36	32	224	233	66	66	26	28
May				4	1	27	18	261	315	76	74	28	35
June			3	5	2	8	30	168	279	67	54	16	22
July		4			8	18	13	227	244	57	64	24	17
August		7	2		2	10	15	267	283	71	96	44	41
September		21	22	2	2	23	19	201	336	112	143	52	45
October		7	11	2		18	16	266	314	86	106	29	27
November		2	7		1	10	10	232	254	68	73	16	23
December		5	4	2	1	8	12	216	276	87	88	28	30
Total		48	51	23	19	287	257	2,818	3,221	825	896	311	321
Total of Males and Females		99		42		494		6,039		1,721		632	

APPENDIX V.

VITAL STATISTICS.

TABLE XII.—DEATHS.—(Continued).

Return showing the Deaths from Special and other Diseases, for the year
1896, arranged according to Months.

Months.		CAUSE OF DEATH.														Total of Males and Females.	Ratio.
		Injuries.										All other Causes.		Total.			
		Suicide.		Homicide.		Wound.		Accident.		Snake bite.							
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
January	1896	...	...	...	...	1	...	3	4	1	...	353	339	700	672	1,372	36.3
February	"	2	1	...	...	2	1	4	4	...	1	225	291	619	590	1,209	32.0
March	"	...	...	...	...	1	...	4	1	...	...	282	276	587	631	1,215	32.2
April	"	...	...	...	...	3	...	4	4	1	...	312	261	672	620	1,292	34.2
May	"	...	1	...	...	...	...	5	7	...	...	358	296	759	747	1,506	39.9
June	"	1	...	...	...	5	1	6	3	...	...	277	293	573	687	1,560	33.4
July	"	1	...	...	...	1	1	4	3	...	...	334	287	670	632	1,302	34.5
August	"	1	...	...	...	2	...	...	3	...	...	393	354	785	796	1,581	41.9
September	"	1	...	...	...	...	...	2	3	...	...	380	345	894	915	1,809	47.9
October	"	...	...	1	...	6	2	3	3	...	...	349	362	767	841	1,608	42.6
November	"	2	1	...	...	3	1	...	7	...	...	383	361	715	738	1,453	38.5
December	"	...	...	...	...	...	3	9	4	...	...	398	353	748	773	1,521	40.3
Total		8	3	1	...	24	9	50	46	2	1	4,144	3,818	8,439	8,642	17,131	37.8
Total of Males and Females		11		1		33		96		3		7,962		17,131		...	...

APPENDIX V.

VITAL STATISTICS.

TABLE XIII.—DEATHS.

Return showing the Deaths from all Causes, for the year 1896, arranged according to Age and Month.

Months.		AGE AT THE TIME OF DEATH.									
		Not Exceeding 1 year.		1 to 4.		5 to 9.		10 to 14.		15 to 19.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January	1896	255	210	61	78	14	31	14	14	11	16
February	"	207	194	63	76	27	20	17	10	7	15
March	"	263	177	91	98	30	26	13	10	10	18
April	"	223	179	106	112	34	37	18	16	11	20
May	"	276	217	134	142	31	34	13	12	11	29
June	"	178	202	108	148	16	20	9	9	12	24
July	"	283	190	131	124	28	26	10	14	10	30
August	"	316	291	132	144	22	33	18	14	7	14
September	"	308	238	192	200	38	44	20	27	10	24
October	"	263	230	128	141	41	41	22	27	16	28
November	"	276	248	90	95	23	31	16	10	12	17
December	"	242	214	81	101	20	40	18	17	11	18
Total		2,080	2,590	1,319	1,487	322	392	182	188	128	251
Total of Males and Females		5,676	2,769	714	370	379					

APPENDIX V.

VITAL STATISTICS.

TABLE XIII.—DEATHS—(Continued.)

Return showing the Deaths from all Causes, for the year 1896, arranged according to Age and Month.

Months.	AGE AT THE TIME OF DEATH.									
	20 to 29.		30 to 39.		40 to 49.		50 to 59.		60 and upwards.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January 1896	69	45	39	48	51	40	49	37	137	155
February	29	57	46	37	48	29	56	34	109	118
March	27	45	34	42	44	32	38	56	97	127
April	51	60	44	49	42	34	43	19	100	95
May	39	54	50	53	49	31	37	35	119	140
June	45	58	34	40	46	29	40	43	85	107
July	52	46	30	49	47	26	29	32	102	95
August	48	52	49	48	48	35	44	38	106	127
September	56	86	65	60	53	54	41	49	111	133
October	55	65	42	58	52	40	41	51	112	162
November	55	60	36	43	48	40	48	36	112	149
December	43	61	50	65	54	41	65	48	164	168
Total	579	637	519	592	582	431	531	478	1,354	1,576
Total of Males and Females	1,266	1,111	1,013	1,009	2,930					

APPEN

VITAL

TABLE XIV.—BIRTHS

Return showing the total of monthly registration of Births and

Divisions.	WARDS.	Population.	January.		February.		March.	
			Births.	Deaths.	Births.	Deaths.	Births.	Deaths.
1	West Ward	18,337	39	44	19	36	35	37
	Centre "	27,009	138	136	98	151	115	128
	East "	20,473	61	55	57	63	52	53
	Total...	71,509	238	235	174	250	202	218
2	North Ward	36,287	101	113	76	92	71	87
	Centre "	26,462	65	70	45	58	61	69
	South "	21,636	50	85	35	81	39	55
	Total...	84,385	216	268	156	231	171	215
3	North Ward	35,581	89	103	80	104	99	94
	Centre "	17,554	24	61	45	54	38	35
	South "	6,322	9	9	5	9	8	6
	Total...	59,457	122	173	129	167	145	135
4	4th Division	15,250	63	31	45	39	35	21
	Total...	15,250	63	31	45	39	35	21
5	North Ward	33,469	112	89	95	80	107	78
	Centre "	22,858	79	54	59	36	53	57
	South "	18,725	86	74	57	52	63	67
	Total...	75,052	277	217	211	168	223	202
6	North Ward	8,890	24	24	15	24	17	22
	South "	12,710	38	46	34	36	31	32
	Total...	21,600	62	70	49	60	48	54
7	North Ward	22,778	65	47	56	50	78	68
	Centre "	21,229	128	116	101	64	125	113
	South "	27,281	90	100	52	64	72	95
	Total...	71,288	283	263	209	178	275	276
8	North Ward	26,657	90	75	63	71	80	66
	South "	15,052	47	40	30	45	46	33
	Total...	41,709	137	115	93	116	126	99
	Miscellaneous...	1,878						
	General Total...	4,52,518	1,416	1,872	1,076	1,209	1,220	1,218

DIX V.

STATISTICS.

AND DEATHS.

Deaths in each Ward in the City of Madras, for the year 1896.

April.		May.		June.		July.		August.		September.	
Births.	Deaths.	Births.	Deaths.	Births.	Deaths.	Births.	Deaths.	Births.	Deaths.	Births.	Deaths.
34	28	21	31	34	35	49	33	42	40	41	40
132	132	147	162	152	113	173	151	211	185	166	312
55	27	67	57	51	44	83	53	60	69	89	88
221	187	235	253	237	192	303	239	313	303	296	441
100	85	93	106	86	89	106	91	150	135	126	140
54	71	62	61	59	60	75	59	83	59	81	88
40	65	59	98	49	72	53	83	70	89	65	89
194	221	214	265	194	221	234	233	303	263	272	317
116	96	124	93	103	78	119	95	133	127	144	132
58	65	37	50	50	44	55	42	73	50	76	53
8	17	7	11	8	6	12	6	14	15	11	17
180	178	168	154	161	128	156	143	220	192	231	202
53	39	66	47	50	40	66	49	58	47	75	56
53	39	65	47	50	40	66	49	58	47	75	56
122	89	113	100	117	109	149	95	168	113	158	143
87	62	74	73	74	61	104	77	97	82	112	82
69	49	87	59	78	58	84	60	90	69	104	60
200	200	274	233	269	228	337	233	355	264	374	294
17	30	10	25	25	28	24	28	36	26	26	26
34	41	41	56	38	39	56	35	54	38	46	38
51	71	51	81	63	67	80	63	90	64	72	64
78	56	87	81	83	71	82	58	111	65	113	81
143	123	129	147	123	110	128	75	135	114	130	103
82	82	90	87	86	65	101	76	97	77	96	87
303	261	306	315	292	246	311	209	343	256	339	271
84	97	87	106	100	91	97	85	129	112	101	119
55	88	47	53	49	47	68	48	54	60	59	45
139	135	134	159	149	138	165	134	183	172	160	164
1,419	1,292	1,447	1,506	1,415	1,260	1,684	1,302	1,895	1,581	1,819	1,800

85,114	36,395	71,509	1,527	1,602	3,129	43.7	1,952	502.8	583	81.1
42,005	42,380	84,385	1,551	1,642	3,193	37.8	1,028	486.5	884	55.9
80,820	29,137	59,457	1,020	1,019	2,039	34.2	590	318.5	272	60.0
7,888	7,362	15,250	243	248	491	32.1	162	313.3	106	71.0
			1,000	1,401	2,790	36.6	967	379.8	487	68.0

In accordance with G. O. No. 2986 L., dated 27th November 1891, on the Memorandum by the Army Sanitary Commission on the Vital Statistics of Madras, for 1889.

CENSUS POPULATION OF 1891.				DEATHS DURING THE YEAR 1896 EXCLUDING STILL-BIRTHS.							Still-births in 1896		
Divisions.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio per 1,000 of total population.	Under one year.	Ratio per 1000 of divisional population under one year.	Of one & under five years.		Ratio per 1000 of divisional population of one and under five years.	Number of males to every 100 females.
1	85,114	36,895	71,509	1,527	1,602	3,129	43.7	1,052	502.8	583	81.1	95.3	49
2	42,005	42,380	84,385	1,551	1,642	3,193	37.8	1,028	436.5	884	55.9	94.4	43
3	30,320	29,137	59,457	1,020	1,019	2,039	34.2	590	318.5	272	60.0	100.0	81
4	7,888	7,362	15,250	243	248	491	32.1	162	313.3	106	71.0	97.9	11
5	37,900	38,152	76,052	1,389	1,401	2,790	36.6	967	379.8	487	68.0	90.1	137
6	10,563	11,027	21,590	391	412	803	37.1	242	395.4	159	67.9	94.9	23
7	40,096	41,192	81,288	1,532	1,526	3,058	37.6	1,017	399.4	432	68.9	100.3	113
8	30,355	20,734	41,169	836	792	1,628	39.6	512	372.0	286	70.5	105.5	47
Miscellaneous...	1,576	302	1,878										...
Total	225,817	223,701	452,518	8,489	8,642	17,131	37.8	5,570	407.5	2,769	67.5	98.2	504

TABLE XVII.—DEATHS ACCORDING TO DISEASES.

In accordance with G. O. No. 2986 L., dated 27th November 1891, on the Memorandum by the Army Sanitary Commission on the Vital Statistics of Madras, for 1889.

Divisions.	Total Population according to Census of 1891.	DEATHS IN 1886.						RATIOS PER 1,000.							
		Cholera.	Small-pox.	Fever.	Dysentery.	Diarrhoea.	Injuries.	Other Causes.	Cholera.	Small-pox.	Fever.	Dysentery.	Diarrhoea.	Injuries.	Other Causes.
1	71,509	46	13	1,199	360	53	13	1,412	0.6	0.1	16.7	5.0	0.7	0.2	20.1
2	84,335	12	13	1,185	195	111	36	1,641	0.1	0.1	14.0	2.3	1.3	0.4	19.4
3	59,457	18	5	807	143	45	15	1,006	0.3	0.08	13.5	2.4	0.7	0.2	16.9
4	15,250	3	...	213	54	22	8	196	0.1	...	13.9	3.5	1.4	0.1	12.7
5	76,052	5	2	909	393	134	27	1,380	0.06	0.02	11.9	4.3	1.7	0.3	18.1
6	21,590	4	1	286	111	59	4	398	0.1	0.04	13.2	5.1	2.7	0.1	15.6
7	81,288	9	5	965	327	121	28	1,609	0.1	0.06	11.8	3.9	1.4	0.3	19.7
8	41,109	...	3	475	204	87	15	844	...	0.07	11.5	4.9	2.1	0.3	20.5
Miscellaneous.	1,873	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.	452,518	97	42	6,089	1,721	632	141	8,456	0.2	0.09	13.3	3.8	1.3	0.3	18.6

1896.

Causes of Death at different Periods of Life
in Madras Municipality.

APPENDIX V. VITAL STATISTICS.

TABLE XVIII.
MADRAS.—CAUSES OF DEATH at different Periods of Life, 1896.—MALES.

CAUSES OF DEATH.	AGES AT DEATH.									
	ALL AGES.	0-3 Months.	3-6 Months.	6-12 Months.	Total under 1 year.	1-2 years.	2-3 years.	3-4 years.	Total under 5 years.	5-10 years.
I. SPECIFIC FEBRILE OR ZYMOTIC DISEASES ...	4,365	135	195	474	804	532	246	103	143	1,116
II. PARASITIC DISEASES ...	65	54	1	8	62	1	1	1	1	1
III. DIETETIC ...	201	1	1	1	3	1	1	1	1	1
IV. CONSTITUTIONAL ...	407	191	199	310	1,896	100	38	17	13	157
V. DEVELOPMENTAL ...	3,016	1,478	1	1	1	2	2	2	5	0
VI. LOCAL ...	90	1	10	9	34	10	6	6	5	27
VII. VIOLENCE ...	345	15	10	9	34	10	6	6	5	27
VIII. ILL-DEFINED AND NOT SPECIFIED CAUSES ...	245	15	10	9	34	10	6	6	5	27
I.										
1. Miasmatic Diseases ...	3,132	97	163	356	615	403	174	133	90	860
2. Diarrheal ...	1,162	17	32	118	167	120	72	63	43	307
3. Malarial ...	23	1	1	1	3	1	1	1	1	3
4. Zoonotic ...	13	1	1	1	3	1	1	1	1	3
5. Venereal ...	24	1	1	1	3	1	1	1	1	3
6. Septic ...	24	1	1	1	3	1	1	1	1	3
II.										
PARASITIC DISEASES ...										
III.										
DIETETIC DISEASES ...	65	54	1	8	62	1	1	1	1	1
IV.										
CONSTITUTIONAL DISEASES ...	201	1	1	1	3	1	1	1	1	1

APPENDIX V. VITAL STATISTICS.

MADRAS.—CAUSES OF DEATH at different Periods of Life, 1896.—FEMALES.

FEMALES. CAUSES OF DEATH.	AGES AT DEATH.									
	ALL AGES.	0-3 Months.	3-6 Months.	6-12 Months.	Total under 1 year.	1-2 years.	2-3 years.	3-4 years.	Total under 5 years.	5-10 years.
I. SPECIFIC FEBRILE OR ZYMOTIC DISEASES ...	4,900	114	187	496	797	554	308	257	1,311	1,945
II. PARASITIC DISEASES ...	49	32	3	45	82	1	1	1	1	1
III. DIETETIC ...	176	215	171	180	1,506	215	102	15	19	160
IV. CONSTITUTIONAL ...	619	1,138	1	1	1	2	13	9	6	41
V. DEVELOPMENTAL ...	2,404	12	5	9	26	13	13	9	6	41
VI. LOCAL ...	62	1	1	1	3	1	1	1	1	3
VII. VIOLENCE ...	342	12	5	9	26	13	13	9	6	41
VIII. ILL-DEFINED AND NOT SPECIFIED CAUSES ...	342	12	5	9	26	13	13	9	6	41
I.										
1. Miasmatic Diseases ...	3,547	84	153	391	627	422	205	169	75	871
2. Diarrheal ...	1,268	15	35	104	154	130	98	88	56	372
3. Malarial ...	7	1	1	1	3	1	1	1	1	3
4. Zoonotic ...	1	1	1	1	4	1	1	1	1	4
5. Venereal ...	1	1	1	1	4	1	1	1	1	4
6. Septic ...	76	15	1	1	16	2	2	2	2	16
II.										
PARASITIC DISEASES ...										
III.										
DIETETIC DISEASES ...	49	42	8	4	45	1	1	1	1	1
IV.										
CONSTITUTIONAL DISEASES ...	176	1	1	1	3	1	1	1	1	3

Note.—For continuation of this Table, see page 192.

APPENDIX V.
VITAL STATISTICS.

MADRAS.—CAUSES OF DEATH at different Periods of Life, 1898.—MALES—continued from page 190.

MALES. CAUSES OF DEATH.		ALL AGES.	AGES AT DEATH.													Total under 5 years.	Total under 1 year.	85 upwards.				
			0-3 Months.	3-6 Months.	6-12 Months.	1- year.	1- 2-	2- 3-	3- 4-	4- 5-	5- 10-	10- 15-	15- 20-	20- 25-	25- 35-				35- 45-	45- 55-	55- 65-	65- 75-
V.		407	191	...	...	191	...	...	...	...	...	...	...	...	...	...	11	44	73	88		
DEVELOPMENTAL DISEASES ...																						
VI.		1,969	1,280	1,181	1,160	1,021	76	23	13	10	121	4	7	2	9	10	34	35	42	35	19	11
1. DISEASES OF NEWBORN SCHEME ...		2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. " ORGANS OF SPECIAL SENSE ...		87	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. " CIRCULATORY SYSTEM ...		494	198	11	7	216	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. " RESPIRATORY SYSTEM ...		182	6	...	17	23	9	1	3	1	14	8	4	5	6	27	26	33	21	9	8	3
5. " DIGESTIVE SYSTEM ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. " LYMPHATIC SYSTEM AND DUCTLESS GLANDS ...		7	1	...	1	...	...	...	...	1	...	...	...	...	2	2	1	...	...	...	...	...
7. " URINARY SYSTEM ...		28	...	...	...	...	...	...	...	...	...	...	...	...	2	4	5	7	4	...	...	...
8. " REPRODUCTIVE SYSTEM ...		27	...	...	...	...	...	...	...	...	...	...	...	...	1	4	8	0	1	5	1	1
(a) DISEASES OF ORGANS OF GENERATION ...		...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...
(b) DISEASES OF PARTURITION ...		8	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...
9. " ORGANS OF LOCOMOTION ...		222	11	6	6	23	7	4	1	...	12	5	3	1	19	40	41	36	30	9	...	...
10. " INTEGUMENTARY SYSTEM ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VII.		81	...	...	1	1	2	...	2	4	8	7	10	5	7	9	10	1	13	7	3	...
1. ACCIDENT OR NEGLIGENCE ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. HOMICIDE ...		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. SUICIDE ...		8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VIII.		345	15	10	9	34	10	6	6	5	27	18	10	8	16	40	38	46	62	24	15	7
ILL-DEFINED AND NOT SPECIFIED CAUSES...																						

Note.—For continuation of this Table, see page 194.

APPENDIX V. VITAL STATISTICS.

MADRAS.—CAUSES OF DEATH at different Periods of Life, 1896.—MALES.—continued from page 192.

MADRAS.—CAUSES OF DEATH at different periods of time, 1883.																							
MALES. CAUSES OF DEATH.	All Ages.	AGES AT DEATH.											Total under 5 years.	10— years.	15— years.	20— years.	25— years.	35— years.	45— years.	55— years.	65— years.	75— years.	98 years.
		0—3 Months.	3—6 Months.	6—12 Months.	Total under 1 year.	1— year.	2— years.	3— years.	4— years.	5— years.													
Miasmatic Diseases.																							
Small-pox { Vaccinated	3	1	1	3	5	4	1	1	1	6	3	1	1	1	1	1	1	1	1	1	1	1	
Small-pox { Unvaccinated	30	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Small-pox { No statement	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cholera	237	4	10	53	67	1	26	17	1	137	32	8	3	1	4	1	1	1	1	1	1	1	
Measles	1	1	1	1	4	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Scarlet Fever	1	1	1	1	4	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Influenza	31	2	8	5	15	7	1	5	1	14	1	1	1	1	1	1	1	1	1	1	1	1	
Whooping-cough	3	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
Rumps	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
Diphtheria	1	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
Small-pox and ill-defined Fever	2,918	90	143	311	544	331	137	101	86	649	170	99	62	137	272	192	186	222	157	113	54	1	
Enteric Fever	4	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Other Miasmatic Diseases	4	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Diarrhoeal Diseases.																							
Cholera	46	17	32	118	167	129	71	63	12	305	73	23	13	6	11	7	6	5	2	1	1	23	
Diarrhoea, Dysentery	1,186	17	32	118	167	129	71	63	12	305	73	23	13	6	11	7	6	5	2	1	1	23	
Malarial Diseases.																							
Intermittent Fever	8	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Ague	2	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Malarial Cachexia	12	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Other forms of Malarial Fever	1	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Exogenous Diseases.																							
Hydrophobia	2	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Febrile Diseases.																							
Syphilis	5	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Gonorrhoea, Bacteraemia of Urithra	8	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Septic Diseases.																							
Erysipelas	24	11	1	1	13	1	1	1	1	15	1	1	1	1	1	1	1	1	1	1	1	1	
Pyæmia, Septicæmia	1	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	
Puerperal Fever	1	1	1	1	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	

Note.—For continuation of this Table, see page 196.

APPENDIX V.
VITAL STATISTICS.

MADRAS.—CAUSES of DEATH at different Periods of Life, 1898.—MALES—continued from page 194.

MALES. CAUSES OF DEATH.	ALL AGES.	AGES AT DEATH.														Total under 5 years.	upwards.										
		0-3 Months.	3-6 Months.	6-12 Months.	Total under 1 year.	1-	2-	3-	4-	5-	10-	15-	20-	25-	35-			45-	55-	65-	75-	85-					
Parasitic Diseases.																											
Diseases from Animal Parasites ...																											
Diabetic Diseases.																											
Starvation, Want of Breast-Milk	2																										
Scurvy ...	59	51	5	3	59	1																					
Intemperance { Chronic Alcoholism	1																										
Mal-nutrition ...	3	3			3																						
Constitutional Diseases.																											
Measles	14																										
Scarlet	41																										
Diphtheria	133																										
Other forms of Tuberculosis, Scrophula	3																										
Anemia, Chlorosis, Leucocythemia	5																										
Diphtheria	83																										
Other and Undefined Constitutional Diseases	11	1	1		2			1																			
Developmental Diseases.																											
Pre-natal Weakness	186	188			188																						
Alcoholism	5	5			5																						
Dysentery	216																										
Other Congenital defects																											
Old Age																											
Diseases of Nervous System.																											
Inflammation of Brain or its Membranes	2																										
Apoplexy	5																										
Hemiplegia, Brain Paralysis	3																										
Paralysis Agitans																											
Insanity, General Paralysis of Insane	13	2			2	1	1																				
Epilepsy	1,738	1,219	181	180	1,610	75	21	10																			
Convulsions																											
Idiopathic Tetanus																											
Paraplegia, Diseases of Spinal Cord																											
Other and Undefined Diseases of Brain or Nervous System	215	9			9																						

Note.—For continuation of this Table, see page 198.

APPENDIX V.
VITAL STATISTICS.

MADRAS.—CAUSES of DEATH at different Periods of Life, 1898.—FEMALES—continued from page 196.

FEMALES. CAUSES OF DEATH.	ALL AGES.	AGES AT DEATH.														Total under 1 year.	1- 2-	2- 3-	3- 4-	4- 5-	5- 9-	10- 14-	15- 19-	20- 24-	25- 29-	30- 34-	35- 39-	40- 44-	45- 49-	50- 54-	55- 59-	60- 64-	65- 69-	70- 74-	75- 79-	80- 84-	85- 89-	90- 94-	95- 99-	100-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Parasitic Diseases.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Note.—For continuation of this Table, see page 199.

APPENDIX V.
VITAL STATISTICS.

MADRAS.—CAUSES of DEATH at different Periods of Life, 1896.—MALES—continued from page 196.

MALES. CAUSES OF DEATH.	AGES AT DEATH.										ALL AGES.								
	0-3 Months.	3-6 Months.	6-12 Months.	Total under 1 year.	1-2	2-3	3-4	Total under 5 years.	5-10	10-15		15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85
<i>Diseases of Organs of Special Sense.</i>																			
Epithemia and Diseases of Nose ..	1								1										
Diseases of eye ..	1												1						
Diseases of ear ..																			
<i>Diseases of Circulatory System.</i>																			
Endocarditis, Valvular Disease ..	7												1	1	3		1		
Pericarditis ..																			
Angina Pectoris ..																			
Syncope ..											1								
Aneurism ..	1																		
Embolism, Thrombosis ..	2																		
Other and Undefined Diseases of Heart or Circulatory System ..	77			2	1			1		5	2	6	13	20	11	2	2	3	
<i>Diseases of Respiratory System.</i>																			
Croup ..																			
Other Diseases of Larynx and Trachea ..																			
Emphysema, Asthma ..	22			1															
Bronchitis ..	174	3	3	6	1						2	41	31	16	5	1	2	2	
Pneumonia ..	20		2	3	3						3	2	11	6	2	4	9		
Pleurisy ..	4											2	1	1					
Hemoptysis ..			1	3															
Congestion and Diseases of Lungs ..	19	1	1							1	8	4	2	6					
Other and Undefined Diseases of Respiratory System ..	246	195	7	204	4					1	4	7	13	7	2	1			
<i>Diseases of Digestive System.</i>																			
Stomatitis ..																			
Dysphagia ..	22			15	6	1													
Dyspepsia ..	3																		
Diseases of Stomach ..	2																		
Enteritis ..	15			1	1					1		8	2	1	2	1	4		
Perityphilitis ..	1																		
Ulceration of Intestine ..																			
Ileus, Obstruction of Intestine ..	9	2		2	1							3		1	2	1	7		
Appendicitis ..																			
Hernia ..	21									1	1	2	5	3	5	2	1		

Note.—For continuation of this Table, see page 200.

APPENDIX V.
VITAL STATISTICS.

MADRAS.—CAUSES of DEATH at different Periods of Life, 1896.—FEMALES—continued from page 197.

FEMALES. CAUSES OF DEATH.	ALL AGES.	AGES AT DEATH.										Total under 5 Years.	36--	45--	55--	65--	75--	85--
		0-3 Months.	3-6 Months.	6-12 Months.	1- Year.	2- Year.	3- Year.	4- Year.	5- Year.	10--	15--							
<i>Diseases of Organs of Special Sense.</i>																		
Epistaxis and Diseases of Nose ...				1														
Diseases of eye ...																		
Diseases of ear ...																		
<i>Diseases of Circulatory System.</i>																		
Endocarditis, Valvular Disease ...	4																	
Pericarditis ...																		
Angina Pectoris ...																		
Syncope ...																		
Aneurism ...	1																	
Embolism, Thrombosis ...	1																	
Other and Undefined Diseases of Heart ...	1																	
Circulatory System ...	108																	
<i>Diseases of Respiratory System.</i>																		
Croup ...																		
Other Diseases of Larynx and Trachea ...																		
Emphysema, Asthma ...	13																	
Bronchitis ...	133			2														
Pneumonia ...	21			1														
Pleurisy ...		2																
Hemoptysis ...																		
Congestion and Disease of Lungs ...	15																	
Other and Undefined Diseases of Respiratory System...	185	108	4	3	175	1	2	3										
<i>Diseases of Digestive System.</i>																		
Stomatitis ...																		
Dysphagia ...	6																	
Dyspepsia ...	1																	
Diseases of Stomach ...																		
Enteritis ...	9																	
Perityphilitis ...																		
Ulceration of Intestine ...	1																	
Ileus, Obstruction of Intestine ...	5																	
Appendicitis ...	1																	
Hernia ...	3																	

Note.—For continuation of this Table, see page 201.

APPENDIX V.
VITAL STATISTICS.

MALES. CAUSES OF DEATH.	AGES AT DEATH.																				
	ALL AGES.	0-3 Months.	3-6 Months.	6-12 Months.	Total under 1 year.	1--	2--	3--	4--	Total under 5 years.	5--	10--	15--	20--	25--	35--	45--	55--	65--	75--	85 & upwards.
<i>Diseases of Digestive System.</i>																					
Fistula	2	1	1	1	1										2						
Athropsia	1											1			1	2	2				
Peritonitis	6														4	6	5		1		
Ascites	23					1				1											
<i>Other Diseases of Liver.</i>																					
Gastritis	16							1		1					2		6	2	1		2
Protrusion of Rectum								1													
Other and Undefined Diseases of Digestive System	62	3		1	4	2	1	2	1	4	2	3	3	5	10	10	13	3	2	3	1
<i>Diseases of Lymphatic System and Ductless glands.</i>																					
Diseases of spleen	5	1			1									2	2	1					
Elephantiasis	2																				
<i>Diseases of Urinary System.</i>																					
Acute Nephritis	4													1	1	3	2				
Bright's Disease, Albuminuria	7													2	2						
Uremia															1		2	1	1	1	
Suppression of Urine	7								1	1											
Other and Undefined Diseases of Urinary System	13												1	1		2	3	3	3		
<i>Diseases of Organs of Generation.</i>																					
Ovarian Disease																					
Diseases of Uterus and Vagina																					
Disorders of Menstruation																					
Pelvic Abscess																					
Diseases of Testes, Penis, Scrotum, &c.	2													1	4	8	6	1	5	1	1
<i>Diseases of Parturition.</i>																					
Abortion, Miscarriage																					
Puerperal Mania																					
Puerperal Convulsions																					
Placenta Praevia, Flooding																					
Other and Undefined Accidents of Child-birth																					

Note.—For continuation of this Table, see page 202.

APPENDIX V.
VITAL STATISTICS.

FEMALES CAUSES OF DEATH	AGES AT DEATH																		
	ALL AGES	0-3 Months	3-6 Months	6-12 Months	Total under 1 year	1-2	2-3	3-4	Total under 5 years	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85 & upwards
Diseases of Digestive System.																			
Fistula																			
Athropsia	14																		
Peritonitis	2																		
Ascites	4																		
Other Diseases of Liver																			
Gastritis	1																		
Protrusion of Rectum	2																		
Other and Undefined Diseases of Digestive System	54	3		2	5	3		1	4	3	2	6	1	13	12	6	2	3	2
Diseases of Lymphatic System and Ductless Glands.																			
Diseases of Spleen	2																		
Etiophantia																			
Diseases of Urinary System.																			
Acute Nephritis	5																		
Bright's Disease, Albuminuria	13																		
Uremia	1																		
Suppression of Urine																			
Other and Undefined Diseases of Urinary System	3																		
Diseases of Organs of Generation.																			
Ovarian Disease	2																		
Diseases of Uterus and Vagina	12																		
Disorders of Menstruation																			
Pelvic Abscess																			
Diseases of Testes, Penis, Scrotum, &c.																			
Diseases of Parturition.																			
Abortion, Miscarriage	2																		
Puerperal Mania																			
Puerperal Convulsions	183																		
Placenta Praevia, Flooding																			
Other and Undefined Accidents of Child-birth	4																		

Note.—For continuation of this Table, see page 203.

APPENDIX V.

VITAL STATISTICS.

[illegible]

MAADRAS.—CAUSES OF DEATH at different Periods of Life, 1896.—FEMALES.—continued from page 201.

FEMALES. CAUSES OF DEATH.	ALL AGES.	AGE AT DEATH.														Total under 1 year.	Total under 5 years.	75— 85—	85— 95—	95— 100—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		0—3 Months.	3—6 Months.	6—12 Months.	1— year.	2—	3—	4—	5—	6—	7—	8—	9—	10—	11—						12—	13—	14—	15—	16—	17—	18—	19—	20—	21—	22—	23—	24—	25—	26—	27—	28—	29—	30—	31—	32—	33—	34—	35—	36—	37—	38—	39—	40—	41—	42—	43—	44—	45—	46—	47—	48—	49—	50—	51—	52—	53—	54—	55—	56—	57—	58—	59—	60—	61—	62—	63—	64—	65—	66—	67—	68—	69—	70—	71—	72—	73—	74—	75—	76—	77—	78—	79—	80—	81—	82—	83—	84—	85—	86—	87—	88—	89—	90—	91—	92—	93—	94—	95—	96—	97—	98—	99—	100—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<i>Diseases of Organs of Locomotion.</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

J. NIELD COOK, L. R. C. P., M. R. C. S.,
Health Officer,
Municipal Commission, Madras.

105
Government { 1897 } of Madras.
LOCAL AND MUNICIPAL.

Recd.

Enclosures

} 1897.

Regd.

Spare copies

G.O., &c., Nos. 2852, 2853 M., 20th December 1897.

DECEMBER.

Administration Report.

Reviewing the — of the Madras Municipality for 1896-97.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper :—

From Lieut.-Colonel Sir GEORGE MOORE, *Kt.*, *C.I.E.*, President, Municipal Commission, Madras, to the Secretary to Government, Local and Municipal Department, dated 30th August 1897, No. G. 179.

Pursuant to section 91 of the City of Madras Municipal Act I of 1884, as amended by Madras Acts VII of 1884 and II of 1892, I have the honour to submit herewith a copy of the Administration Report of this municipality for the year 1896-97.

2. The report was considered at a special meeting of the Commissioners held on the 23rd August 1897 and an extract from the proceedings of the meeting is annexed.

3. The remaining 47 copies of the report will be forwarded shortly.

ENCLOSURE.

Administration Report of the Madras Municipality for 1896-97.

Proposed by M.R.Ry. R. N. Pragasa Mudaliyar Avargal and seconded by M.R.Ry. C. S. Theagaraya Mudaliyar Avargal—

“That the report be adopted and submitted to Government.”

Proposed by M.R.Ry. W. S. Venkataramanjulu Nayudu Garu and seconded by M.R.Ry. P. Subramani Aiyar Avargal—

“That the meeting resolves itself into committee.”

Carried.

The meeting resumes.

The original proposition, on being put to the meeting, was carried.

ORDER—No. 2852 M., dated 20th December 1897.

The receipts and charges of the Madras Municipality for 1896-97 are compared below with the budget and revised estimates for the year and the actuals of 1895-96 :—

	Actuals, 1895-96.	Budget estimate, 1896-97.	Revised estimate, 1896-97.	Actuals, 1896-97.
<i>Receipts.</i>				
Balance brought forward ..	Rs. 2,91,325	Rs. 2,28,990	Rs. 5,90,490	Rs. 5,90,490
Tax on Arts ..	68,888	65,800	68,000	68,000
on Buildings and Lands ..	5,07,788	5,02,670	4,91,700	4,55,338
Water-tax on Buildings and Lands ..	1,98,908	1,96,800	1,95,810	1,82,838
Lighting-tax on ..	63,516	62,870	61,490	67,835
Tax on Vehicles and Animals ..	55,561	57,100	53,000	61,111
on Carts ..	21,078	19,500	19,500	19,380
Tobacco Duties ..	7			
Tolls ..	38,240	41,250	41,250	41,252
Rent of Lands, Buildings, &c., and Sale-proceeds of Lands, &c. ..	64,696	62,490	61,300	67,665
Conservancy Receipts ..	5,929	5,530	5,540	5,550
Income from Markets and Slaughter-houses ..	27,530	26,880	25,980	26,566
License Fees ..	1,46,784	1,34,620	1,43,500	1,50,993
Other Fees ..	7,478	6,390	6,390	6,656
Fines under Municipal and other Acts ..	4,079	2,000	8,500	4,069
Interest on Investments and Premium on Loans ..	8,500	8,230	12,000	12,000
Grants and Contributions from Government ..	3,88,035	1,82,210	1,82,210	1,82,210
Miscellaneous ..	21,215	27,500	32,600	28,110
Loans ..				
Sale-proceeds of Government Securities, &c., and Realizations of ..	26,866	27,000	27,000	27,106
Sinking Fund ..	6,766	10,000	35,900	36,416
Advances Recovered ..				
Total ..	28,66,591	16,65,250	20,67,460	20,38,607

	Actuals, 1895-96.	Budget estimate, 1896-97.	Revised estimate, 1896-97.	Actuals, 1896-97.
<i>Charges.</i>				
GRANT 1—				
New Works—	Rs. 3,631	Rs. 15,060	Rs. 14,426	Rs. 2,661
Communications ..	33,950	4,390	93,000	32,148
Buildings ..	36,624	800	63,470	55,371
Drainage ..	4,27,981	20,000	62,320	56,521
Water-supply ..	871	530	550	337
Miscellaneous Public Improvements ..	1,16,141	1,95,460	1,47,100	1,32,403
Repairs—	17,464	8,140	19,330	14,724
Communications ..	1,69,890	1,69,700	1,82,210	1,76,305
Buildings ..	57,216	48,610	61,520	57,897
Drainage ..	630	500	870	186
Water-supply ..	25,944	30,110	29,190	28,623
Miscellaneous Public Improvements ..	8,958	5,100	34,630	22,755
Establishment ..	17,947	16,170	20,520	18,843
Tools and Plant and other Stores ..				
Miscellaneous ..				
Total ..	9,10,771	4,24,420	7,22,320	6,06,774
GRANT 2—				
Training Schools ..	820	1,300	1,800	312
Grants-in-aid—	9,943	9,500	10,320	10,072
Result Grants ..	220	1,500	1,900	718
Building, Furniture, &c., Grants ..	1,193	1,100	1,200	1,202
Inspection ..	2,146	1,100	14,490	12,304
Total ..	25,820	26,680	24,020	21,279
GRANT 3—				
Hospitals and Dispensaries ..	28,254	24,340	27,320	27,118
Contributions ..	11,029	11,170	11,330	11,769
Vaccination ..	8,536	8,860	8,800	8,688
Registration of Births and Deaths ..	2,77,592	2,89,130	3,60,060	3,58,914
Conservancy, Road-cleaning and Road-watering ..				
Total ..	3,60,731	3,60,130	4,21,530	4,07,758
GRANT 4—				
Lighting ..	49,977	50,040	69,100	68,647
Markets and Slaughter-houses ..	6,894	5,850	5,870	6,028
Avenues ..	3,319	3,490	3,460	3,049
Public Garden, Survey of Land, Fire and other Charges ..	1,20,460	1,10,050	1,14,780	1,09,928
Total ..	1,80,650	1,69,440	1,93,200	1,87,652
GRANT 5—				
Supervision and Management ..	88,929	94,590	1,06,700	99,919
Repayment of Debt ..	53,920	53,920	53,920	53,920
Interest on Loan ..	1,44,445		1,58,000	1,53,805
Advances Recoverable ..	34,844	1,49,220	20,000	21,002
Refunds ..	4,190	5,000	8,000	7,544
Pensions and Gratuities ..	6,472	5,550	6,280	6,196
Balance ..	5,98,493	3,89,890	3,63,020	4,78,731
Total ..	28,86,591	16,65,250	20,67,460	20,38,607

I.—CONSTITUTION OF THE COMMISSION.

2. The office of President continued to be held during the year under review by Lieutenant-Colonel G. M. J. Moore, *C.I.E.* He was, however, absent on privilege leave for three months from 2nd July 1896, when Mr. R. E. Ellis, the Engineer, acted for him and Mr. Loane, the Assistant Mechanical Engineer, acted as Engineer. Diwan Bahadur P. Rantawami Chettiyar was again the Revenue officer; but he also availed himself of privilege leave for three months from 3rd July 1896, during which period M.R.Ry. Toke Venkatapathy Nayudu, Assistant Inspector of Local Fund Accounts, acted for him. Dr. J. Nield Cook, the Health officer, who took leave on medical certificate for seventeen months from the 20th July 1895, resumed charge of his office from Mr. H. H. Marshall on the 14th December 1896.

3. Six of the seats on the commission were filled by election during the year. Five of them were contested, the number of voters who attended the poll being 42.1 per cent. of the total number registered in the divisions concerned, as compared with 40.9 per cent. in 1895-96 and an average of 60.2 per cent. for mufassal municipalities in that year. The number of registered voters increased slightly, being 5,500 against 5,342 in the previous year; but it was still only a little more than one per cent. of the total population.

Nos. 2852, 2853 M., 20TH DECEMBER 1897.

4. Twenty meetings were held by the Commissioners, being twelve less than in 1895-96, while the average attendance at each meeting was twenty-two or one more than in that year.

II.—RECEIPTS.

5. Excluding the opening balance, the total receipts of the year amounted to Rs. 14,36,114 against Rs. 14,38,560 and Rs. 14,67,970 anticipated in the budget and revised estimates, respectively, and Rs. 20,95,266 realized in 1895-96. The decrease as compared with the actuals of the previous year occurs mainly under the tax on buildings and lands, water-tax, premia on loans, grants from Government and loans, being partly counterbalanced by an increase under license fees, miscellaneous and advances recovered. As compared with the revised estimate, there was a small decline, which appears chiefly under the tax on buildings and lands and water-tax.

A.—Revenue derived from taxation.

6. The following statement shows the demand, collection and balance—current and arrears—under the several taxes:—

Current.

Tax.	Demand as originally assessed.	Remitted on appeal.	Demand as finally settled.	Collected.	Remitted.	Written off as irrecoverable.	Balance.	Percentage of collections to demand.
Tax on arts, &c.	Rs. 70,550	Rs. 60	Rs. 70,490	Rs. 67,953	Rs. 195	Rs. 2,342	Rs. 2,342	96.4
on buildings and lands.	5,26,217	6,328	5,19,889	4,33,258	6,888	6	79,739	83.3
Water-tax	2,10,315	2,531	2,07,784	1,78,150	2,704	3	31,927	86.3
Lighting-tax	63,789	791	64,498	54,179	830	1	9,988	83.4
Tax on vehicles with springs and animals	56,452	..	56,452	50,563	..	..	5,889	89.6
Tax on carts	18,284	..	18,284	18,260	4	8	6	99.9
Tolls	41,252	..	41,252	41,252	..	..	..	100.0
Total	9,89,859	9,710	9,80,149	8,39,819	10,426	213	1,29,891	85.7
Total for 1895-96	9,57,824	5,351	9,51,973	8,50,843	11,639	11	48,480	98.6

Arrears.

Tax.	Total demand.	Collected.	Remitted.	Written off as irrecoverable.	Balance.	Percentage of collections to demand.
Tax on arts, &c.	Rs. 3,005	Rs. 2,039	Rs. 499	Rs. 467	Rs. 657	68.9
on buildings and lands	33,380	25,128	922	858	6,472	75.3
Water-tax	12,089	9,784	353	336	2,522	79.9
Lighting-tax	4,209	3,156	115	103	835	75.0
Tax on vehicles and animals	4,286	649	..	..	3,637	15.4
on carts	67	64	3	1	..	95.5
Total	68,026	40,720	1,392	1,791	14,123	70.2
Total for 1895-96	79,038	63,136	4,542	319	11,039	79.9

The net current demand under all the taxes, except the tax on vehicles, animals and carts, exhibited an increase as compared with the previous year; but the increase was considerable only in the case of the tax on buildings and lands and water-tax, the advance under these heads being due partly to the general revision of assessments in the second municipal division and partly to the ordinary revision carried out in the others. In the case of the water-tax the increase was also due to the extension of the water-supply scheme to the non-populous parts of the town, where in consequence the tax was levied at the maximum rate of four per cent. instead of at two per cent. as hitherto. The remissions granted on appeal amounted to Rs. 9,710 against Rs. 5,851 in the previous year; but they were less than one per cent. of the gross demand. Under the taxes on arts, vehicles, animals and carts and tolls, the collections continued to be, on the whole, good; but under the tax on buildings and lands

and under the water and lighting taxes, they declined and were not satisfactory. The existence of a large balance under the taxes last named is, however, explained to be due to the late date at which the demand for the second division was finally settled. The realization of arrears of the taxes on arts and carts, under the former of which, however, nearly one-sixth of the demand was written off as irrecoverable, improved and was fairly good; but under the other taxes it declined and was very poor in the case of the tax on vehicles and animals. No less than Rs. 10,639 of the current, and Rs. 3,183 of the arrear, demand under the several taxes were again remitted or written off as irrecoverable; but notwithstanding the remarks of Government on this subject in the reviews of the previous reports, arrears dating back to the year 1890-91 were still outstanding on the 31st March 1897. The Government however trusts that active steps will be taken to adjust them fully before the close of the current year.

7. *Coercive Processes.*—The number of demand notices issued for the collection of the several taxes was 66,775 against 68,117 in 1895-96, the amount involved being Rs. 5,34,133 against Rs. 4,68,734. In 53,371 of these cases, against 56,510 in the previous year, warrants had to be issued; but the number of processes remaining unexecuted at the close of the year was considerable, being 10,397 or 17.2 per cent. of the total number for execution against 7,251 or 11.3 per cent. in 1895-96. This is not creditable to the executive administration of the municipality. Greater promptitude should be displayed in this matter for the future. The total amount recovered by means of coercive processes was Rs. 3,85,778 against Rs. 4,66,552 in 1895-96 and property was sold in only 853 cases against 1,068, the amount realized being Rs. 1,132 against Rs. 1,346. Magisterial proceedings were, however, instituted in as many as 1,337 cases against 680 in the previous year.

8. *Incidence of Taxation.*—The general incidence of municipal taxation per head of the population again fell, being Rs. 1-15-2 against Rs. 2-1-9 in the previous year and Rs. 2-2-3 in 1894-95, the decrease being due to smaller collections under the tax on buildings and lands and the water and lighting taxes. The incidence of the tax on arts was, however, Rs. 19-6-7 per person assessed against Rs. 19-1-4 in 1895-96, and in the case of the tax on buildings and lands, it was Rs. 13-0-4 per building or land taxed against Rs. 12-9-11. Including the water and lighting taxes, the average tax paid by each house or land-owner was Rs. 19-13-8 against Rupees 19-2-4 in the previous year.

B.—Revenue derived from municipal property and under powers apart from taxation.

9. The total receipts under this head amounted to Rs. 2,71,440 against Rupees 2,94,297 in 1895-96, the decrease occurring chiefly under sale-proceeds of lands and premia on loans. There was, however, an increase under rent of lands, sewage farms, fees on the import of timber and firewood, fees for the slaughter of animals for food, and interest on investments. In the case of the first two heads the increase is ascribed to the extended occupation of municipal lands and to the increase in the area of land cultivated, and in the case of the third to larger imports of timber by sea. The attention of the Judicial Department is drawn to the remarks of the President in paragraph 68 of his report regarding the inadequacy of the punishment imposed by the Presidency Magistrates in prosecutions for offences against the Municipal Act.

10. *Grants from Government.*—The compensation paid by Government for the exemption of military officers from the tax on salaries amounted to Rs. 3,796 against Rs. 3,925 in the previous year. In addition to this and the usual contributions for roads (Rs. 9,058), for repairing the bridges over the Coom and the Buckingham Canal (Rs. 4,443), for withholding the levy of taxes on places used for the sale of spirituous and intoxicating liquors (Rs. 13,607) and for the zoological collections in the People's Park (Rs. 2,000), a special grant of Rs. 1,50,000 was received from Provincial funds on account of the new drainage scheme.

11. *Miscellaneous.*—The receipts under this head amounted to Rs. 38,110 against Rs. 31,815 in the previous year, the increase which appears chiefly under payment for water supplied for non-domestic purposes and refunds being partly counterbalanced by a decline under sundry receipts from water-works and other items.

III.—EXPENDITURE.

12. The total charges amounted to Rs. 15,56,876 against Rs. 12,75,360 and Rupees 17,04,440 provided in the budget and revised estimates respectively and Rs. 17,87,098 incurred in the previous year. The decrease as compared with the revised estimate occurs under all grants. Compared with the actuals of 1895-96 there was a noteworthy fall under Grant 1, which was partly counterbalanced by increases under the other grants. About 39 per cent. of the total expenditure was devoted to public works, 1 per cent. to education, 26 per cent. to medical services and sanitation, 12 per cent. to lighting and miscellaneous, 6 per cent. to supervision and management and 16 per cent. to repayment of debt, &c., the corresponding figures for the previous year being, 51, 1, 19, 10, 5 and 14 per cent.

13. *Public Works—Communications.*—The expenditure on new works—communications amounted to Rs. 9,661 and on repairs to Rs. 1,33,403 against the revised estimates of Rs. 14,420 and Rs. 1,41,100, respectively. The decrease under new works is attributed partly to the delay in the acquisition of land required for opening Avadanam Paupier lane and partly to non-adjustment of some claims for work done, and in the case of repairs to the omission of the contractors to prefer claims for materials supplied within the year. Two and seven-eighth miles of road were metalled for the first time during the year. The outlay on repairs consisted of Rupees 74,055 expended in re-metalling more than 22½ miles of road, Rs. 56,527 on ordinary repairs to roads, and Rs. 2,821 on repairs to bridges, culverts and foot-paths and other petty works. The President's report furnishes no information regarding the general condition of the town roads—an omission which should be supplied in future reports.

Sections II and III of the Madras Tramway were completed and the lines were opened for traffic shortly before the commencement of the year under review.

14. *Buildings.*—The total outlay under this head was Rs. 46,567, of which Rs. 32,143 were spent on new works and Rs. 14,724 on repairs against the revised estimates of Rs. 93,000 and Rs. 19,330, respectively. The short expenditure under new works was mainly due to the non-utilization of the full provision for incinerators, on which only a sum of Rs. 2,337 was spent during the year out of an estimate of one lakh, owing to the delay on the part of the contractor in supplying the required materials. Under repairs the decrease was due to payment not having been made in full for works completed during the year. As already required in paragraph 14 of G.O., No. 2084 M., dated 7th December 1896, every endeavour should be made to avoid outstandings on this account in future. The construction of a cholera shed in Kistnampet and the improvements to the Royapettah hospital building, which were undertaken in the previous year, were completed at a total cost of Rs. 13,516 and Rs. 5,704, respectively. Plans and estimates have been prepared for the construction of a new market and the Commissioners have been permitted to raise a loan of one lakh in the open market for carrying out the work.

15. *Drainage.*—In G.O., No. 209 M., dated 12th February 1897, a scheme for the drainage of Madras, proposed by the Commissioners and estimated to cost Rupees 31,31,000, was approved by Government, and the Commissioners were allowed to undertake at once the drainage of Mylapore on the house connection system and to lay pipe-sewers along the Ice House and Sydenham's roads at a total cost of Rupees 3,50,000, appropriating towards the cost of these works the provincial grant of this amount which they had then in hand. Only a sum of Rs. 37,820 was, however, spent on the works before the close of the year. The formation of a pipe-drain from Thacker's street to De Mellow's road, the removal of the stoneware pipes laid from Kistnampet to the Triplicane pumping station, and the covering of the drains along the China Bazaar road with iron gratings—works undertaken in 1895-96—are also reported to have been completed during the year. The cost of the first of these works is not known as it does not appear in statement II-A—an omission which requires explanation—but on the two latter, Rs. 512 and Rs. 3,952 respectively were spent up to the 31st March 1897 against the estimates of Rs. 500 and Rs. 5,300. The expenditure on minor drains amounted to Rs. 15,548 under new works against Rupees 11,986 in 1895-96, and under repairs to Rs. 8,424 against Rs. 15,705. The cost of

pumping at the Napier Park again increased, being Rs. 5,699 against Rs. 4,242 in the previous year and Rs. 2,948 in 1894-95, the excess being attributed to extra pumping during the year.

16. *Water-supply.*—The expenditure under this head amounted to Rs. 56,521 under new works and Rs. 57,897 under repairs as compared with Rs. 4,27,982 and Rs. 57,216, respectively, in 1895-96. A sum of Rs. 31,521 was spent in completing the construction of the second of the two auxiliary mains, which was undertaken in the previous year. During the year under review 20,169 yards of water-pipes were laid and 96 fountains were erected against 46,056 yards of pipes and 38 fountains in 1895-96. There were thus on the 31st March last 1,142 fountains or on an average one for every .01 square mile of the area supplied with water and for every 306 inhabitants in that area. The total quantity of water supplied to the town was nearly one-fourth in excess of that in the previous year, and the analysis of the water shows that while there has been an appreciable improvement in the quality of the water in the Red Hills lake, it was still not what it should be. A scheme for the partial improvement of the water-supply, prepared by the Engineer in accordance with the results of the hydraulic survey conducted by him and estimated to cost sixteen lakhs, is now under the consideration of Government.

17. *Miscellaneous.*—No new work of importance falling under this head was under execution during the year. The Government notes with pleasure the liberality of the gentlemen named in paragraph 87 of the President's report.

18. *Education.*—The expenditure under this head amounted to Rs. 12,304, of which Rs. 312 were paid as stipends to teachers attending the training and sessional schools, Rs. 1,202 were spent in maintaining two inspecting schoolmasters, and Rupees 10,790 in aiding schools with result, building and furniture grants, the corresponding figures for the previous year being Rs. 820, Rs. 1,193 and Rs. 10,133. There were at the close of the year 11 secondary and 137 primary schools on the aided list against 9 and 151, respectively, in 1895-96. The strength of these institutions on the 31st March 1897 was 8,785 boys and 837 girls against 8,803 and 843, respectively, on the corresponding date of the previous year. The number of secondary schools and the attendance at them increased; but in the case of the primary schools, there was a decline under both these heads owing, it is stated, to the strict enforcement of the Educational Rules. The number of pupils presented for the grant examinations was 4,697 or 71 more than in the previous year. As many as 74.8 per cent. of these were successful against 72.7 per cent. in 1895-96, and the allotment for result grants was exceeded by more than 6 per cent. The proportion of untrained and unpassed teachers employed in the aided schools is unduly large, and although there has been a decrease in the number of schools, the number of unpassed teachers in them has increased from 114 to 122, a circumstance which, as rightly observed by the Inspector of Schools, cannot be understood except on the hypothesis that unpassed teachers have taken the place of passed men. This tendency on the part of managers of schools should be discouraged and the employment by them of none but duly qualified teachers should be insisted upon by withholding in whole or in part the grants payable to them. Boys who attend schools in which unqualified teachers are employed are placed at a great disadvantage which may affect them prejudicially throughout life.

19. *Medical Relief.*—The Commissioners continued to maintain the Triplicane hospital and the Black Town dispensary. The expenditure upon them was Rupees 21,279 against Rs. 25,320 in 1895-96. The decrease occurs under both the institutions, being due in the case of the former to considerable savings effected in the cost of diet, while in the case of the latter it was only nominal, the larger expenditure in 1895-96 being due to the payment of arrears. The usual annual contributions of Rs. 20,000 and Rs. 5,298 were paid to Government on account of the General Hospital and the Medical College, respectively, and a grant of Rs. 1,820 was made to the St. Thomé and St. Thomas' Convent dispensaries and the Victoria Caste and Gosha hospital.

The following statement shows the number of patients treated in these institutions, excepting the St. Thomas' Convent dispensary, as compared with the previous year:—

	1895-96.	1896-97.
Triplicane hospital—		
In-door	910	972
Out-door	31,078	29,568
Black Town dispensary—		
Out-door	43,147	43,304
St. Thomé dispensary	10,335	10,204
Victoria Caste and Gosha hospital	8,227	11,246

The number of in-patients treated at the Triplicane hospital increased slightly; but the number of out-patients exhibited a decline, which is ascribed by the medical officer partly to frequent changes of medical subordinates in charge of the out-patients' department during the earlier part of the year and partly to the heavy rainfall in the month of November. The total number of patients treated at the St. Thomas' Convent dispensary is again not stated—an omission which should be supplied in future reports; but from the report of the Reverend Mother in charge of the convent, it appears that the average daily attendance at this institution was 130. The attention of the Commissioners is drawn to the remarks and suggestions of the medical officer regarding the provision of a new building for the Triplicane hospital.

20. *Vaccination.*—The reported number of persons vaccinated during the year was 27,021 or three less than in 1895-96. Of these operations 21,813 or 54.8 per mille of the population are returned as having been successful against 25,108 or 55.5 per mille in the previous year. The percentage of reported success also declined slightly, being 91.8 against 92.9, while the net cost of each successful operation increased from As. 5-6 to As. 6. Of the total number of operations performed, 19,193 were primary vaccinations and 7,828 re-vaccinations. Of the former 99.2 per cent. are reported to have been successful and of the latter 87.1 per cent., and from paragraph 124 of the President's report, it appears that these results have been tested to a large extent. The high percentage of success, especially in the case of re-vaccinations, is, however, surprising and cannot be accepted without hesitation. It is stated that although the results of re-vaccination obtained in Madras are high when compared with the results in England, and more especially with those of army re-vaccination, yet they are not so good as those in continental towns where re-vaccination is performed direct from calf as in Madras. It is, however, not understood why there should be so striking a difference between the percentage of success in Madras and in the other provinces of India, such as Bombay and the North-West Provinces. A possible explanation seems to be that in Madras operations in which a prior primary vaccination was unsuccessful are also classed as re-vaccinations. If this is the case, the practice should be discontinued, only operations on persons who have previously been successfully vaccinated being so classed. During the year under review there were 68 deaths from small-pox—the largest number recorded from this disease for the past ten years, except 1890-91 when 92 cases occurred. The number of children under one year of age successfully vaccinated is given as 12,929 or 28.6 per mille of the population against 13,027 or 28.8 per mille in 1895-96. The actual number of births registered during the year was 18,913, excluding still-births. Of these, 4,180 children are reported to have died before they reached the age of six months, so that there remained 14,733 children available for vaccination. But only 13,129 of these were vaccinated, and from the table given in paragraph 135 of the President's report, it appears that only 9,294 of this number were born in Madras. As many as 5,439 of the children under one year of age available for vaccination and born in Madras thus remained unprotected. The President states that "as about this number of children that have completed the first year of life are vaccinated every year, it would appear that few escape the operation." This conclusion does not, however, appear to be correct, as the number of children above one year vaccinated in Madras does not wholly represent the children born in the city. The number of summonses taken out against parents and guardians for failure to have their children vaccinated was 729 against 690 in 1895-96. The parties were fined in 396 cases against 292, the fines imposed amounting to Rs. 379 against Rs. 243.

21. *Vital Statistics.*—The number of births and deaths registered in 1896 as compared below with those of the previous year:—

	Births.	Rate per mille.	Deaths.	Rate per mille.
1895	19,137	49.2	17,052	37.6
1896	18,684	41.2	17,131	37.6

The births registered were 453 fewer than in 1895, while the deaths exceeded those of the previous year by 79. Classed according to diseases, there was a noteworthy increase in the deaths under small-pox and measles and a decline under all the other heads except dysentery and diarrhoea, while, according to age, it was largest in the case of children under one year, whose death-rate again rose, being 407.5 per mille against 387.7 in the previous year and 356.9 in 1894. The Government notes with satisfaction the preventive measures taken by the Commissioners against the bubonic plague and trusts that the city will continue to enjoy immunity from this disease.

22. *Sanitation.*—The expenditure under this head amounted to Rs. 3,38,914 against Rs. 2,89,130 and Rs. 3,59,060, respectively, provided in the budget and revised estimates and Rs. 2,77,592, the actuals of 1895-96, the decrease as compared with the revised estimate being due to savings under street and house conservancy and hire of scavengers and bullocks and to the existence of unclaimed outstandings. As in previous years, the scavengers were employed by the Commissioners themselves. During the year under review the municipality had its own conservancy carts; but the bullocks and drivers were, as usual, supplied by the contractors. The attendance of the conservancy coolies is reported to have been better than in the previous year, the result probably of the provision of house accommodation for them. The question of making adequate provision to prevent strikes among scavengers, referred to in paragraph 167 (III) of the President's report, should form the subject of a separate communication. No substantial advance was made during the year in the sanitary condition of the city; but many useful improvements have been and are being carried out. The long contemplated scheme for the drainage of the city has at last been sanctioned by Government, and the Commissioners have undertaken the drainage of Mylapur to start with. Steps are being taken to put an end to the practice of intramural burial, a slaughter-house in Triplicane situated in the midst of habitations was closed, a few pancheries were improved and others laid out on correct sanitary principles. Arrangements have also been made for laying out new streets in the Tinnevely settlement, which is one of the most insanitary and overcrowded parts of the city. It is, however, observed that it will be several years before the drainage scheme is completed, and until this is done and the proposed improvements in the water-supply are effected, Madras cannot be expected to become a healthy town. In the meantime the Commissioners should do all they can to remedy the several minor sanitary defects. The number of public latrines was increased from 219 to 220; but this should be more than doubled before it can be considered adequate to meet the needs of the city. It is satisfactory to note that the sewage farms were worked at a profit of Rs. 2,851 against a loss of Rs. 5,000 in 1895-96.

23. *Lighting.*—The expenditure under this head amounted to Rs. 68,647 against Rs. 49,977 in 1895-96, the increase being ascribed to the adjustment of an irrecoverable debt due by a defaulting contractor and to additional lamps lit. During the year under review 307 additional lights were put up, the total number on the 31st March 1897 being 5,754 or 198 to the square mile.

24. *Parks.*—The net cost of maintaining the People's Park was Rs. 11,581 against Rs. 11,421 in the previous year; but the Napier Park was worked, as in 1895-96, at a profit to the municipality of Rs. 258. The Robinson Park, which continued under the management of a private committee, was self-supporting.

25. *Financial Position.*—The following statement shows the financial position of the municipality on the 31st March 1897:—

Nos. 2852, 2853 M., 20TH DECEMBER 1897.

Assets.						RS.
Current balance	..	..	..	..	..	4,78,731
Sinking fund of loans	..	..	..	..	..	11,52,160
Value of premises, tools and plant	..	..	..	..	..	7,32,103
Advances recoverable	..	..	..	..	..	1,06,312
Total						24,69,306
Liabilities.						
Loans	..	..	..	..	..	32,70,000

The municipal debt again stood at Rs. 32,70,000. The payments on this account were Rs. 53,920 towards the sinking fund and Rs. 1,53,805 towards interest, making a total of Rs. 2,07,725.

26. *General Remarks.*—The President's report, which, so far as it relates to the receipts, has been improved by the omission of the numerous statements which encumbered the previous reports, has been submitted with commendable punctuality. The expenditure portion of the report might with advantage be also improved on the same lines. The administration of the municipality during the year under review continued to be on the whole satisfactory.

(True Extract.)

H. TREMENEERE,
Ag. Secretary to Government.

To the President, Municipal Commission, Madras.
 „ Accountant-General.
 „ Director of Public Instruction.
 „ Surgeon-General.
 „ Sanitary Board.
 „ „ Commissioner.
 „ „ Engineer.
 „ Public Works Department.
 „ Judicial Department, with reference to paragraph 9.
 Editors' Table.

ENDORSEMENT—No. 2853 M., dated 20th December 1897.

Copy to the Government of India, Home Department.

H. TREMENEERE,
Ag. Secretary to Government.

