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AC.235 ADMINISTRATION REPORT

OF THE

CORPORATION OF MADRAS

FOR

1916-17.

BRARY



Madras: PRINTED BY THOMPSON & CO., 33, POPHAM'S BROADWAY.

1917.



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CORPORATION OF MADRAS.

Administration Report for 1916-17.

ADDENDA Et. CORRIGENDA.

On page	2	paragraph	6	line	8 for "	charact	or" read "	chara	cter."
	8	"	13(7)		9 for "	hygiend	e" read "	hygier	ne."
	12	"	22		7 for "	assessn	nent" read	"asses	ssments."
,,			,,	.,	9 for "	magistr	ates" read	"mag	gistrate."
		"	23	,,	4 for "	Rs. 18,	06,832-4-1	0" rea	d "Rs. 18,06,833-4-10."
11	32		86	,,	12 for "	cost of	the estimation	ated w	ork" read "estimated cost of
						the v	vork."		
,,	41	,,	121		2 for "	15,296"	read "15	335."	
	42		121		3 for "	798" re	ad "876."		
,,	101	Statement	IV-J	item	3, colu	mn 6 fo	r "1,962-5	-4" re	ad "1962-2-4."
"	,,	,,		,,	,,	10 fo	r "6,34,37	7-9-5"	read "6,34,377-6-5."
					"	11. for	• • 6,58,194	-9-7"	read "6,58,124-6-7."
	,,	,,		item	4, "	7 for	*1,92,186	5-12-4	' read "1,92,180-5-0."
	"			.,		- 10 for	"1,94,170	-11-1	1" read "1,94,164-4-7."
"		"		,,	,,	11 for	r "1,98,75	0-14-1	1" read "1,98,744-7-7."
,,	123	Item 1 co	lumn	s 4 a	nd 5 for	"105"	read "102	."	• •
,,	,,	" 3	,,	,,	for	"18,198	" read "1	9270."	
.,,	127			3	for	"9,52,9	50" agains	st the	" Total cost for previous year
						in r	upees" red	nd "19	,529.50."
	147				for	"99" 10	ad "90."		
,,	156	under the	head	ling "	average	attenda	ance for 1	916-17	" for "143" read "146."
,,	,,,		,			,,	for	,,	for "140" read "159."
,,	.,,						for	,,	for "89" read "97."
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,,	"	,	,			"	for	**	for 2,052" read "2,165"
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ADMINISTRATION REPORT

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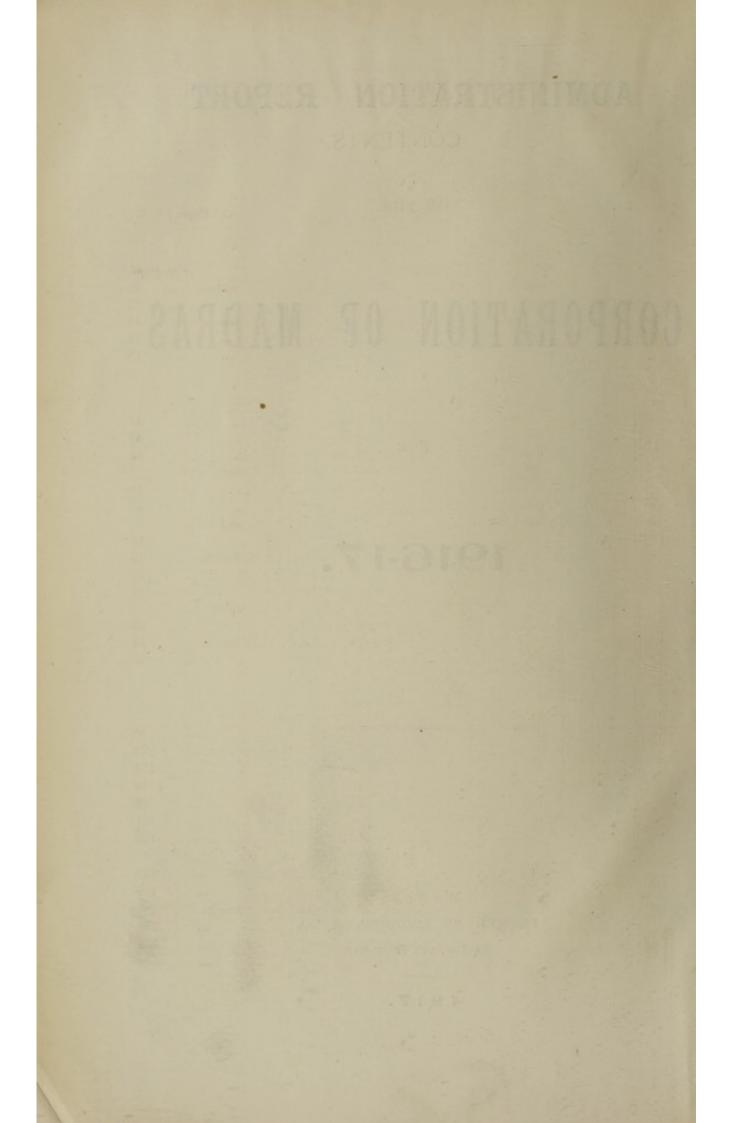
CORPORATION OF MADRAS

FOR

1916-17.

Madras: PRINTED BY THOMPSON & CO., 33, POPHAM'S BROADWAY.

1917.



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INTRODUCTION.

The accounts of the Madras Corporation for the year 1916-17 present one familiar feature, namely, a closing balance vastly in excess of that anticipated. Follows the remark, by this time perhaps equally familiar, that much of this apparent prosperity must needs be discounted. Windfalls on the receipt side, notably one of Rs. 98,000 from Government, have helped to swell the total; on the other side of the ledger, although expenditure has been to some extent cut down in reality and of set purpose, closer examination discloses the old phenomena of slow execution and payment deferred.

2. Capital income and expenditure though large require but little explanation. Money is obtained either from Government as a grant or loan, or from the open money market; it is spent mainly on supplies from Europe, and on their local utilisation, wherein the steady extension of departmental work has saved the Corporation from the incurable dilatoriness of the Madras Contractor. In the matter of drainage, Madras, though perhaps the citizens hardly appreciate the fact, has felt severely the pinch of the war. Work, for example, which now drags slowly on in the Purasawakkam area, and which is likely to drag on for some years more, under normal circumstances would have been completed ere now, and would possibly now be associated in the mind of the Purasawakkamite with the comfort of his house rather than with the disembowelling of his streets. Material and money have alike been lacking; the latter lack has necessitated a drastic curtailment of the scheme intended to supply Madras with a complete drainage system, and an acceptance of what will remedy the most pressing sanitary evils and serve as a basis for extensions in more affluent days.

3. Revenue receipts are of greater interest to the ratepayer and those of 1916-17 exceeded the Revised Estimates by Rs. 2,77,000. Of this excess the Government grant already mentioned accounts for Rs. 98,000, and the item "other fees" for Rs. 45,000. "Other fees" represent in the main duty on timber and firewood brought into the City, and such receipts exhibit some curious fluctuations. From Rs. 1,91,000 in 1912-13 they sank to Rs. 1,31,479 in 1914-15, rose by Rs. 9,000 in the following year, and by a further Rs. 35,000 in the year that has just closed. Profession tax has steadily improved during the war, presumably owing to large profits made in certain trades, and the tendency appears to be still for a rise.

4. "Combined taxes", or, in a word, taxes on house property, have exceeded estimates by Rs. 63,000, and "actuals" of the preceding year by no less than Rs. 2,10,000. To the first increase there contributed a high percentage of collection (combined, it may be remarked, with a noticeable diminution of coercive process), settlement of outstanding arrears by the Military Department, and the results of resurvey of assessments in certain divisions. In the latter increase the raising of the lighting tax by $\frac{3}{4}$ per cent., which brought in three-quarters of a lakh, was the main factor; while increasing house rents throughout the City yielded Rs. 41,000 as their *quota* to the Municipality. Actual expenditure from revenue account during 1916-17 fell below anticipations by Rs. $3\frac{1}{2}$ lakhs, "public works" in general, and "lighting" in particular being the chief sufferers. Under "new works" bills for Rs. 27,000 were due but not paid by March 31st; difficulties in regard to a site for a dhobikhana near Robinson Park, and slowness of acquisition proceedings in Suparigunta Paracherry account for nearly Rs. 40,000. Road repairs restricted to a minimum received Rs. 92,000 less than was intended; difficulty in obtaining coal combined with rigid, possibly too rigid, economy in pumping saved Rs. 32,000. Non-receipt within the year of cable, posts, &c., intended for the extension of electric lighting left Rs. 50,000 temporarily in hand; with the arrival of the material the money is being spent in the new year. Military orders extinguished all the Beach lights and saved the cost of their maintenance.

5. Money is at the present' time extraordinarily difficult to beg, borrow or steal; and the fact that the Corporation has got through a troubled year with a considerable amount of most useful ready cash in hand is probably a sufficient temporary justification of its economies. But liabilities though they may be postponed must be met some day, and certain very obvious liabilities are staring the Corporation in the face. To complete the water and drainage works money must be borrowed if it cannot be begged, and, judging from the terms on which the last loan of 4 lakhs has been obtained, interest and sinking fund will soon be a formidable item on the expenditure side of the budget. Moreover, towards repayment a few years hence of a loan of Rs. 14.3 lakhs the Corporation had gradually acquired a holding of Rs, 13.89 lakhs in Government securities. This investment at present prices is worth about Rs. 9 lakhs ; unless the Micawberian hope that "something will turn up" be realised, the Corporation will have to find for the liability alone some 5 or 6 lakhs in as many years.

6. Definite and inevitable liabilities can be foreseen, but there are certain directions in which paying out, though not enforceable by the bailiff, is in some degree a moral obligation. Education has hitherto been the Cinderella of the Corporation enterprises; it has its claims, though I still hold that such claims are subordinate to those of sanitation. One new school probably, two possibly, may be looked for in the coming year. But more important than schools are teachers, and far more important than the "qualifications" of a teacher, are his personality, charactor, the interest he takes in his work. Judged in this latter light the Corporation teacher, I fear, stands wanting. Men who spend a considerable proportion of their time in wrangling with one another, and to whom their work merely represents the last chance of a livelihood are not likely to exercise a beneficent influence over the minds of their pupils. The fault is not entirely with the teacher: bad pay and no prospects inevitably result in inefficient service. It would be an interesting experiment to start one new school with a new staff paid at three times or four times the rate now obtaining; to see what class cf men would be attracted to mastership, and what results they would produce.

7. Similarly, though it be unpalatable tidings for the ratepayer, the efficiency of the Corporation is undoubtedly hampered by the fact that its general scale of pay has little attractions for efficient servants. The salary offered for a Mechanical Engineer failed entirely to bring forward suitable applicants; the Corporation is exceedingly desirous of adding a lady doctor to the Health Department, but at the moment of writing it is more than doubtful whether one will be attracted by the terms proposed. Certain "qualifications" are demanded of subordinates in the works Department, but the present market value of such is undoubtedly above the Municipal valuation.

8. The Health Report, which deals with the calendar, not with the official year, is in a way an index of the value that the citizen has got for his money. In 1916 he appears to have been well served; his birth rate is higher, his death rate lower, than either has been for many years. The service is all the more to be appreciated in view of the Health officer's observation that his department has discovered no method previously unkown of bettering public health. Whatever improvement has been made is due to a steadily increasing efficiency in the discharge of "the daily round, the common task." In particular there is a notable progress in the cleanliness of the Madras streets, for which all praise is due to Dr. Singaravelu Mudaliar, with his increasing fleet of motor vehicles, and steady enforcement of industry and discipline on the turbulent crowd which he controls.

9. The increase in the Madras birth rate is a curious phenomenon. Better registration is a possible explanation, but our Municipal figures tally with statistics obtained from the Maternity Hospitals of the City, where registration is necessarily accurate, and where absolute increase is equally marked. The great rise seems to have occurred towards the end of the year; for the first 6 months of 1916 the birth rate was but $35.5 \ per \ mille$. It will be curious if the same phenomenon repeats itself in 1917, for the birth rate for the first 6 months of that year is $43.3 \ per \ mille$. Death rate and infant mortality rate likewise improved in the last six months of the year 1916, the death rate at the close being 34.5 as compared with 36.5 at the end of June, and the infant mortality rate 265.1 (the lowest on record) as compared with 313.8.

10. The infant mortality rate (293. 2) for the first six months of 1917 is decidedly better than that of the corresponding period of 1916, but the death rate for this period shows a rise of 1 *per mille*, and the tendency of the first weeks of July 1917 seems to be for the rise to persist. At the same time it must be remembered that though the *proportionate* infantile mortality may be improving, the *absolute* number of infant deaths necessarily increases with a largely increased birth rate, and this increased absolute number swells the total mortality. In fact, if the absolute increase in infantile deaths during the first six months of 1917 be deducted from the general total, the death rate for that period is more favourable than that of the corresponding period of 1916.

11. From Cholera we were happily free in 1916, but there are ominous signs that our immunity is threatened. Cholera is now raging round Madras, and gradually cases have been coming in by road from Saidapet and the Mount, and in the firewood boats that ply on the canal. As these lines are being written the Health Officer informs me that he has discovered some cases imported from-Sadras in Cassimode Kuppam, one patient being hidden in the public latrine.

12. The Health Report is in itself so full as to leave but little room for comment. It but remains for me to thank Dr. Ragavendra Rao and his staff for the good work that they have done, and to express my full agreement with their view that Madras has still far to go on the road of sanitation ere a halt, even a temporary halt, can be called. And as in the report of 1915-16, I reiterate my belief in the absolute necessity, from the sanitarian's point of view, of tramway extension, and my hope for a speedy sanction by Government of the programme submitted by the Tramway Company. "Relief of overcrowding" is an idle phrase, unless extension of cheap and rapid communications there be to lend reality to it.

13. The most interesting achievement, though one of the smallest, of the Works Department has been the trial of a new method of road making on a short length of the Mount Road. So far the experiment promises well, a happy augury for the City. For there can be no doubt that increased intensity and speed of traffic, due largely to the rapid popularisation of mechanical traction, have rendered out-of-date the water bound macadam roads of Madras. The Mount Road is essentially a road of motors; a further experiment is about to be made with one of the narrow streets of Georgetown where cart traffic, and especially traffic of hand carts (from the road makers point of view an invention of the devil), predominates.

14. To all my fellow Commissioners I tender my best thanks for the cooperation that they have afforded me throughout the year. In debate we have not stagnated ; indeed at the moment we are in the midst of what old Sir Nigel would have termed "a very pleasant bickering." But rare and refreshing though oratorical Donnybrooks may be to an Irish exile, I venture to close my song of gratitude on a note of advice. "Commissioners" and "Executive" are equally responsible for what is well done and for what is ill done : denial that any improvement is attempted or effected, if sufficiently reiterated, finds in timeacceptance in the general mind : deprecatory criticism without end leads at last to the general belief that the critic is as futile as those whom he criticises.

CORPORATION OF MADRAS,

I. CHARTRES. MOLONY,

President.

23rd July 1917.

CORPORATION OF MADRAS.

Report of the President from 1st April 1916 to 31st March 1917.

Changes in the constitution of the Corporation.

1. Elections.—As required by section 46 of the Madras City Municipal Act, 1904, the lists of persons qualified to be elected Municipal Commissioners and of those qualified to vote at such elections were revised, with the result that 480 persons were registered as eligible for election as Municipal Commissioners, and 12,290 as eligible to vote, as against 495 and 11,964 respectively in the previous year. The percentage of persons qualified for election as Commissioners to the total lilerate (English) adult male population of the City was 1.33, and that of persons qualified to vote to the total adult male population of the city both literate and illiterate, was 7.72.

2. The fifth general election of Divisional Commissioners under the provisions of the Madras City Municipal Act, 1904, was due in the year under report. But out of twenty elective seats only eight fell vacant owing to the expiry of term : in seven instances Commissioners resigned their seats shortly before the expiry of their term and were re-elected at casual elections : the term of five seats has yet some time to run. Of the fifteen seats which fell vacant, only one was contested namely that of the 19th Division. The number of votes recorded at this election was 375 out of 454 votes registered in the division, the percentage of voters who exercised their franchise being 84.84 of the number registered in the division.

The vacancy in the 2nd Division was not filled up as no candidate was nominated in the year; and owing to an objection raised to the eligibility of one of the nominated candidates for the 3rd Division, the election for that division was postponed.

A vacancy in the 6th Division being caused by the resignation of M.R.Ry. C. P. Ramaswami Aiyar Avargal before the expiry of his term, the seat was contested by M.R.Ry. Chitti Babu Nayudu Garu who however withdrew his candidature before the date of election. Accordingly M.R.Ry. C. P. Ramaswami Aiyar Avargal was declared to be elected under section 39 of the Act.

In the 11th and 18th Divisions where vacancies were caused by the expiry of the term of M.R.Ry. Rao Saheb V. A. Parthasaradhi Mudaliyar Avargal and M.R.Ry. R. Shadagopachariyar Avargal, respectively, M.R.Ry. T. Ethiraja Mudaliyar Avargal and M.R.Ry. C. Srinivasachariyar Avargal were declared elected without ballot. In the remaining nine divisions viz., 1, 4, 5, 7, 8, 9, 12, 15 and 17 where the seats were uncontested, the nominated candidates were held to have been duly elected.

Particulars of the single election held during the year will be found in Appendix I, Table 6.

3. Representatives of the Chamber of Commerce.—Mr. A. J. Leech, who was appointed on 7th April 1914 continued to hold office during the year. Mr. J. W. Crusha, who was appointed on 3rd February 1914 resigned his seat on the Corporation on 19th June 1916, and Mr. A. P. Symonds was appointed in his place on 18th July 1916. Mr. J. F. Simpson who was appointed on 10th August 1915 resigned his seat on the Corporation on 12th February 1917, and Mr. A. J. Powel was appointed in his place on 10th April 1917.

4. Representatives of the Trades Association.—Mr. C. H. Higginbotham, who was appointed on 6th July 1915 continued to hold office during the year. Mr. W. M. Wales, who was appointed on 6th July 1915 resigned his seat on the Corporation on 3rd February 1917, and M.R.Ry. Rao Bahadur N. C. Rajagopalachariar Avargal was appointed in his place on 27th March 1917. Mr. D. Morrison who was appointed on 15th September 1914 resigned his seat on the Corporation on 2nd March 1917. He was again appointed by Government on 3rd April 1917.

5. Representatives of the Harbour Trust Board.—Khan Bahadur Muhammad Abdul Kuddus Badsha Sahib Bahadur, who was appointed on 2nd March 1915 continued to hold office during the year.

6. Representatives of the Madras and Southern Mahratta Railway Co.-Mr. J. F. Fawcett, who was appointed on 15th December 1914, continued to hold office during the year.

7. Nominations by Government.—The Hon'ble Mr. G. Fraser, Mr. H. A. Hart and Lt.-Col. C. Donovan continued to hold office during the year. The term of office of the Hon'ble Mr. Yakub Hasan Sahib Bahadur, Mr. E. R. Osborne and Major R. Bryson, who were appointed on 10th February 1914, 6th January 1914 and 5th August 1913, respectively, expired on 10th February 1917, 6th January 1917 and 5th August 1916; they were re-appointed on 13th February 1917, 9th January 1917 and 8th August 1916. The term of office of Dr. T. M. Nair, who was appointed on 6th January 1914, expired on 6th January 1917, and he was reappointed on 9th January 1917. He resigned his seat on the Corporation on 2nd February 1917, and M.R.Ry. M. D. Devadoss Avargal was appointed in his place on 20th March 1917. The Hon'ble Mr. J. O. Robinson, who was appointed on 4th April 1916, also resigned his seat on the Corporation on 11th January 1917 and Mr. J. W. Crusha was appointed in his place on 6th February 1917.

Reinstatement.

8. Under section 54 of the Madras City Municipal Act, 1904, the following Commissioners lost their seats on the Corporation by failing to attend either three

Name.	Date of loss of seat.	Date of reinstatement.
M.R.Ry. Rao Sahib		
V. A. Parthasaradhi Muda- liyar Avargal.	20th June 1916	18th July 1916
LtCol. C. Donovan	16th May 1916.	20th June 1916.

Executive Officers.

9. I continued to hold the office of the President during the year except, for a period of 15 days from 17th July 1916 when I was absent on privilege leave, and M. R. Ry. Rao Bahadur T. Vijayaraghavacharya Avergal acted for me. Dr. K. Raghavandra Rao held office as Special Malaria Officer and Health Officer during the year. M.R.Ry. Rao Bahadur T. Vijayaraghavacharya Avargal continued to be the Revenue Officer during the year except for the 15 days that he acted as President of the Corporation of Madras. M.R.Ry. S. Dandapani Aiyar Avargal acted as Revenue Officer during this. Mr. J. R. Coats continued to hold the office of Engineer during the year and Mr. J. W. Madeley that of Special Engineer for the design and execution of the water and drainage works.

Meetings.

10. During the year the Corporation held 12 general meetings, one adjourned general meeting, and four special meetings. The average number of Commissioners including the President, present at each meeting, was 26 against 27 in the previous year. The percentage of attendance to the sanctioned strength was 80.6among Divisional Commissioners, 59.6 among Institutional Commissioners and 54.4 among nominated Commissioners.

11. The Standing Committee met 29 times.

Committees and Sub-Committees.

12. (1) Building Regulations. A Committee appointed by the Corporation to consider and report on rule 15 of the Building Regulations requiring the provision of one-third open space in the case of certain buildings recommended the adoption of certain revised rules drafted by the Engineer. These rules were approved by the Corporation on 2nd February 1915 with some modifications. The Government, to whom the rules, as modified were submitted for sanction, obtained the remarks of the Municipal Commissioner and Engineer of the Bombay Corporation on the working of similar rules in that city, and asked the Corporation of Madras to reconsider the whole matter in the light of these remarks. The Corporation by whom the matter was considered decided on 22nd August, 1916 that the rules as proposed and approved by it on 2nd February 1915 were the best that could be divised under the circumstances of Madras and requested Government to sanction these rules. The orders of Government are awaited.

(2) Water-supply.—The Special Engineer proposed that an unmetered service be laid down as comprising one single tap placed in an approved position

consecutive general meetings or six successive meetings. They were reinstated

under the proviso to section 55 of the Act :--

visible from the road and that a provision of Rs. 20,000 be made in the budget for 1916 17 for the purchase and fixing at the cost of the owners of meters to be applied to first class service, new and existing. The Standing Committee recommended that the Special Engineer's proposal be approved, every house being allowed one tap free and houses with more than one tap being metered, and that a provision of Rs. 20,000 required in connection with the fixing of meters at the cost of the owners be made in the budget for 1916-17. A Committee consisting of the President, M.R Ry. Rao Bahadur P. Tyagaraya Chetti Garu, M.R Ry. G. A. Natesan Avargal and M.R.Ry. K N. Ayya Aiyar Avargal was appointed by the Corporation to select typical houses in the various divisions where meters at the cost of the Corporation might be fixed and to report on the amount of water spent usefully and of water wasted. Typical houses in the various divisions were accordingly selected by the members of the Committee and meters were fixed at those premises at the cost of the Corporation.

(3) Drainage By-laws.-A Sub-Committee consisting of the President, M.R Ry. G. A. Natesan Avargal and M.R.Ry. K. N. Ayya Aiyar Avargal was appointed by the Standing Committee at their meeting held on 9th July 1915 to report on the alterations in the draft drainage by-laws proposed by the Special Engineer. The Sub-Committee recommended that the alterations be approved, subject to certain modifications. This recommendation of the Sub-Committee was approved by the Standing Committee. The Corporation by whom the report was considered on 18th April 1916, appointed another Committee consisting of Mr. A. J. Leech, the Hon'ble Mr. J. O. Robinson, M.R.Ry. T. Rangachariyar Avargal, M.R.Ry. P. V. Doraiswami Mudaliyar Avargal and M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu to consider these by-laws more carefully. This Committee recommended certain further alterations. The Corporation at their meeting held on 18th July 1916 recommended that the by-laws as amended by the Committees be worked tentatively for a period of one year. The Government to whom the by-laws as finally recommended by the Corporation weresubmitted for approval have communicated the remarks of the Sanitary Engineer on these by-laws and have stated that the by-laws should be revised in the light of the Sanitary Engineer's remarks and submitted to them for confirmation under section 411 of the Madras City Municipal Act after publication as required by section 412. The remarks of the Special Engineer and the Engineer on the points raised by Government with reference to these by-laws have been obtained. and are now before the Standing Committee for their consideration.

(4) Conservancy.—A Committee consisting of the President, M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu, M.R.Ry, G. A. Natesan Avargal, M.R.Ry. K. C. Desikachariyar Avargal, the Hon'ble Dr. T. M. Nair, M.R.Ry. C. P. Ramaswami Aiyar Avargal, Mr. J. F. Simpson and Mr. J. W. Crusha was appointed by the Corporation at their meeting of 8th February 1916, for considering the Engineer's report on conservancy. Several of the recommendations made by Mr. Coats have been adopted and others are in processs of adoption. The general result is a considerable improvement in conservancy.

(5). By-law No. 270-A Committee consisting of the President, the Hon'ble Mr. T. Kangachariyar Mr. E. R. Osborne and M.R.Ry. K. N. Ayya Aiyar Avargal was appointed by the Corporation on 17th October 1916 to consider and report on the question of amending by-law No. 270. The Committee recommended that the following draft by-law be substituted for the existing by-law No. 270 :—

"270 (a). Without the sanction of the President, no person shall, for the purpose of obtaining earth or sand for sale, make any such excavation as is likely to cause stagnation of water nor without sanction shall any person make such excavation for building purposes within 50 ft. of any existing or proposed building.

(b) In cases where such excavation is made for obtaining earth or sand for purposes other than sale the person making such excavation shall, on being called on by the President, to do so, fill up such excavation with in the time *malered* specified by the President. In case of failure to comply with such order, such excavation may be filled up by the President, and cost of so doing may be recovered from the defaulter.

An appeal shall lie to the Standing Committee against any refusal of the President to grant such sanction."

The by-law as amended by the Committee was approved by the Corporation on 27th February 1917 subject to the modification that the words "and against any order passed by the President under clause (b)" be added after the word "sanction" occurring in the last sentence of the draft by-law proposed by the Committee. The draft by law as passed by the Corporation was approved by Government (G. O. No. 571-M. Mis., dated 27th March 1917). It is now published under Section 412(a) of the Madras City Municipal Act, 1904.

(6) (i). Tramways.-A Committee consisting of the President, Messrs. P. M. Siyangnana Mudaliyar Avargal and K.N. Ayya Aiyar Avargal was appointed by the Corporation on 15th December 1914, to meet Mr. James Gray, Managing Director of the Madras Electric Tramways, Ltd., and officers appointed by Government, and to discuss the question of the realignment of the tramway line in Chintadripet. The Committee recommended the proposal that a new line should be laid along the Body Guard Road and Mount Road. The Corporation approved of this proposal and in Memorandum No. 5948-3-M., dated 23rd January 1915, the Government requested the Corporation to submit in consultation with the Tramway authorities detailed proposals for the alignment of this new line. The plans received from the Tramway Company were forwarded by the Corporation to Government with the recommendations that the Government House Bridge and Penitentiary Bridge should be widened sufficiently to admit of a double track and foot paths on each side of the road, that there should be no centre posts, that all the lines should be in the centre of the road, and that steps should be taken to prevent the protruding of the rails above the surface of the road. The Government, while approving generally of these recommendations have stated that they have had under consideration the question of reconstructing instead of altering the Government House and Penitentiary Bridges, and the question of cost involved.

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(ii). Another Committee consisting of the President, Mr. J. O. Robinson and Messrs. Rao Bahadur P. Tyagaraya Chetti Garu, K. N. Ayya Aiyar Avargal and P. M. Sivanganna Mudaliyar Avargal was appointed by the Corporation on 15th December 1914, to meet the representatives of the Tramway Company and the officers appointed by Government to discuss the question of the extension of tram lines in the city for the convenience of those desirous of residing in suburbs outside the city. The Committee reported that, in their opinion, the extension of the system might proceed as follows :--

Replacement of the Chintadripet section by a line running down Body Guard Road, then

- (i) A line running from Thousand Lights to the Law College.
- (ii) A line running north in the direction of Tiruvattiyur.
- (iii) Extension of the Mylapore line to the Adyar Toll Gate.
- (iv) Extension along Poonamallee Road.
- (v) Extension towards Perambur.

This programme was adopted by the Corporation and forwarded to Government. Government considered that the proposed lines from the Law College to the Thousand Lights and from the Vizianagram Fountain through the Chepauk Park would detract from the amenities of pleasant parts of the city without materially relieving congestion or bringing in much revenue and requested the Corporation to decide the order in which the other lines referred to in the Committee's report should be taken up and submit proposals for their construction with a draft order under section 6 of the Indian Tramways Act, 1886 (G. O. No. 571-M., dated 12th April 1915). The Corporation pointed out that no progress could be made with any scheme of tramway extension until the question of replacement of the Chintadripet section is definitely decided.

Resolutions of the Corporation.

13. The following are among the more important resolutions passed by the Corporation during the year :--

(1) Resolution of 20th May 1916.—The Corporation passed the following resolution :—

"That the Corporation is of opinion that the location of a tuberculosis hospital in Pantheon Road, Egmore, in the midst of residential quarters is highly objectionable and requests that Government will abandon the idea, if any, of having an hospital or dispensary there."

The Government to whom this resolution was communicated stated that they consulted the medical authorities competent to advise on the subject, and that there was no sufficient reason why the temporary tuberculosis dispensary should not be located in the Pantheon Road, Egmore, (G. O. No. 1170, Public, dated 16th June 1916.)

(2) Resolution of 20th May 1916.—On a reference from the Superintending Engineer, V Circle, the Standing Committee recommended that the People's

Park be handed over to Government P.W.D. exclusive of the following buildings and grounds :--

- (1) Ripon Buildings
- (2) Victoria Hall.
- (3) Moore Market and grounds.
- (4) South Indian Athletic Association grounds.
- (5) The Zoo and the grounds.
- (6) The Royal Theatre.
- (7) The quarters of the Superintendent and Sergeants.

and that an annual contribution of Rs. 2,500 be offered towards the maintenance of the Park.

This recommendation of the Standing Committee was approved by the Corporation on 20th May 1916 and the Superintending Engineer was informed accordingly. But the Government who were addressed by the Superintending Engineer for sanction declined to sanction the proposal (G. O. No. 1784-M. Mis., dated 13th October 1916.)

(3) Resolution of 20th June 1916.—On a request from Dr. K. T. Mathew that he might be granted some pension for his 16 years service under the Corporation as Senior Assistant Health Officer, the Corporation expressed their willingness to consider the matter favourably, if the regulations in force affecting pensions so permitted.

The Government to whom the matter was referred stated in G. O. No. 214-M. Mis., dated 31st January 1916 :---

"Under Civil Service Regulations, no pension would ordinarily be permissible in such a case, but under Article 924, the Local Government might with the approval of the Secretary of State, grant a pension or gratuity as a special case.

"In applying the Civil Service Regulations to their subordinates in the rule above referred to, the Corporation have substituted the Standing Committee for the Local Government, and the Government of Madras for the Government of India. They have however, appointed no substitute for Secretary of State. If it is their desire that the Government of Madras should perform the functions assigned to the Secretary of State under the Civil Service Regulations, they are requested to submit an amendment of the rule in that sense."

The Corporation before whom the matter was placed agreed to the proposal that the Government of Madras should perform the functions assigned to the Secretary of State under the Civil Service Regulations in respect of the grant of pensions in special cases. A draft amendment of the rule made by the Corporation of Madras with the previous sanction of the Government under the provisions of Section 64 (c) of the Madras City Municipal Act, 1904, as approved by the Corporation at their meeting held on 29th March 1916, were forwarded to Government for their sanction. In Memorandum No. 2481-1 M., dated 8th May 1916 the Government inquired whether it would not be more satisfactory to amend the rule by substituting the words "The Secretary of State or the Government of India" for the words "The Government of India" occurring in the rule so that the Local Government might perform the functions of the Secretary of State in all cases in which under the Civil Service Regulations, a reference to the Secretary of State was necessary. This recommendation of Government was approved by the Corporation on 20th June 1916. The draft amendment of the rule as approved by the Corporation on 20th June 1916 was sanctioned by Government (G.O. No. 1158-M., dated 5th July 1916).

(4) Resolution of 18th July 1916.—The Corporation passed the following resolution :—

"That the custom now prevailing of adjourning a meeting on hearing of the death of a past or present member of the Corporation be discontinued and in place thereof the almost universal custom which prevails elsewhere be adopted, *viz.*, that of passing a resolution expressing the regret of the Corporation and condolence with the relatives of the deceased."

(5) Resolution of 20th November 1916.—The Corporation resolved with reference to para. 11 of G.O. No. 1133, Public, dated 13th June 1916 that the scheme relating to the appointment of Lady Health Visitors in the City be approved if the persons chosen be (1) Indians, (2) of the rank of Sub-Assistant Surgeons or above and (3) paid sufficiently to keep them from any necessity of private practice. The Health Officer accordingly submitted detailed scheme of establishment required and the cost to be incurred therefor. The detailed scheme was approved by the Corporation on 20th December 1916 and by Government in G.O. No. 720-M. Mis., dated 24th April 1917.

(6) Resolution of 5th December 1916.—Draft by-laws framed under Section 409 (6) of the Madras City Municipal Act, 1904, for the working of Municipal Dhobikhana were approved by the Corporation. After obtaining the preliminary sanction of Government the formalities prescribed in Section 412 of the Act were observed and the draft by-laws were finally approved by the Corporation on 24th April 1917 and were confirmed and sanctioned by Government (G.O. No. 871-M. Mis., dated 19th May 1917).

(7) Resolution of 20th December 1916.—In Memorandum No. 6510-2 M., dated 12th December 1916, Government stated that under the regulations prescribed by the University of Madras, candidates for the degree of Bachelor of Sanitary Science had to undergo practical training for a period of three months at an approved hospital for infectious diseases, that the only place at which this training could be given at present were the infectious diseases hospitals at Krishnampet and Old Jail Street, and that, as the Medical Officers in charge of those hospitals had no time to undertake the work, it was proposed that the Professor of Hygience in the Medical College, Madras, should be required to train the canditates. They requested the Corporation to report whether it agreed to fhe appointment of Prefessor of Hygiene as a consulting Physician at the hospitals and would permit him to give instruction there to his students. The Corporation resolved that Government be informed that the Corporation had no objection to the Professor of Hygiene giving instruction to the candidates for the degree of Bachelor of Sanitary Science for a period of three months at those hospitals, but did not approve of his being made a consulting Physician at those hospitals. The resolution was communicated to Government.

(8) Resolution of 10th February 1917.—The Corporation passed the following resolution :—

"That all works in connection with the new drainage be completed in areas where they had already been commenced but that they be not introduced in any fresh area; and that all items be omitted in the budget which relate to extensions of the system to such fresh areas and that necessary reductions be made in the establishment."

(9) Resolution of 20th March 1917.—The Corporation passed the following resolution :—

"That owing to the recurring difficulties in keeping the roads in the city in good repair consequent on the difficulty of procuring road metal in sufficient quantities regularly, and at reasonable cost, and that in the event of the new tenders for the supply of blue metal being considered unfavourable, it be determined to appoint a special committee of seven members with the President to consider the whole question of immediate and future supplies of road metal. Further that in any event such a committee should be appointed to go into the question of the Corporation quarrying its own requirements of metal, and put forward proposals for the working, and financing of such a scheme."

The Special Committee referred to in the resolution consists of :--

President—(*Ex-officio Member*).
M.R.Ry. G. A. Natesan Avargal.
Muhammad Usman Sahib Bahadur.
M.R.Ry. Rao Sahib C. Ramanujam Chetti Garu.
" P. Parthasaradhi Nayudu Garu.
Mr. A. P. Symonds.
Mr. J. W. Crusha.

Revenue Administration.

14. There was a further increase in the revenue of the Corporation during the year under report. The current revenue under tax on arts, combined property taxes, and tax on vehicles and animals rose by Rs. 1,89,296-0-7 of which Rs. 1,77,419-7-11 was from combined property taxes. The total net increase in the current revenue under the principal taxes was Rs. 1,89,171-1-10, as against Rs. 44,449-12-4 in 1915-16. The marked increase in the year under report may thus be accounted for

- (i) Rs. 99,327-0-10 under the combined property taxes; partly due to general and cursory revision of assessments made during the year and partly to better collection;
- (ii) Rs. 73,414-15-9 due to the increase in the rate of lighting tax from 1¹/₄ to 2 per cent;
- (iii) Rs. 11,578-2-8 under profession tax and vehicle and animal taxes.

The enhanced tax on Government Military buildings as settled at the end of last year was fully realised, *viz.*, Rs. 4,677-7-4 for current and Rs. 18,709-18-4 for arrears of four years from the year 1912-13 to 1915-16.

The number of warrants issued in the year under report was only 1020, as compared with 2257 in the previous year. With reference to a resolution moved in the Corporation, a sum of Rs. 634-6-4 including Rs. 93-3-10 under arrear was remitted under Section 117 of the Act, the owners being in these cases too poor to pay the taxes.

Finance.

Capital Account.

15. The year under report opened with a balance of Rs. 1,42,476-5-6. Receipts amounted to Rs. 15,35,397-9-9 which comprised Rs. 14,00,000 borrowed for improvement of water supply and drainage and for extension of electric lighting, Rs. 3,621-14-9 interest on investment of surplus funds, Rs. 5,946-14-3 recovered from advance made in the previous years, Rs. 1,25,000 transferred from a Government grant for a new sewage farm to water and drainage account, and Rs. 828-12-9 transferred from revenue to meet excess expenditure incurred on extension of electric lighting in the previous year. The total receipts including the opening balance were Rs. 16,77,873-15-3. The total expenditure was Rs. 15,37,405-7-8 including Rs. 23,294-0-10 spent on the construction of model schools and other buildings, Rs. 14,60,895-15-11 on water-supply and drainage, and Rs. 53,215-6-11 on extension of electric lighting. The balance left at the close of the year was Rs. 1,40,468-7-7.

Revenue Account.

16. The year opened with a balance of Rs. 7,85,424-3-7 as compared with Rs. 10,48,476-3-8 in 1915-16. The revenue from all sources, exclusive of a special grant of Rs. 98,000 from Government for sanitary works, amounted to Rs. 31,38,719-6-5 against Rs. 28,39,429-3-1 in the previous year, an increase of Rs. 2,99,290-3-4. Towards this income Municipal taxes contributed Rs. 22,44,355-6-11 and Municipal fees and miscellaneous receipts Rs. 8,94,363-15-6 as compared with Rs. 20,24,646-15-6 and Rs. 8,14,782-3-7 respectively in 1915-16. The total expenditure of the year was Rs. 32,22,822-7-1 against an estimate of Rs. 35,72,760, and against the actuals of Rs. 31,23,088-3-2 in the preceding year. The balance remaining at the close of the year was Rs. 7,99,321-2-11.

Tax on Professions, Arts, Trades and Callings under Section 120.

Current.

17. The gross current demand under this head of taxation was Rs. 1,75,202-8-0 as against Rs. 1,71,625 in the previous year. After remissions and reductions on appeal the net demand amounted to Rs. 1,75,182-8-0 as against Rs. 1,71,612-8-0 for the preceding year. The number of items of assessment was 13,125 as against 13,456 of last year.

18. Appendix I, statement IV (c) shows the assessment for the year under report classified under the several classes of the profession tax schedule and compares them with those of 1915-16. During the year twelve objections to assessments were received. These were disposed of at two sittings of Appeal Boards constituted under Section 172 of the Act with the result that in eleven cases the assessments were confirmed, and in one case the assessment was reduced. No second appeals were preferred to the Magistrates. Two suits involving only Rs. 39-15-6 were filed in the Court of Small Causes ; the first case was withdrawn the amount having been recovered before the date of hearing, and in the second case a decree has been obtained and is being executed.

19. The current collections of the year amounted to Rs. 1,74,151-10-8, inclusive of Rs. 5 received in advance in (1915-16) for the 1st half year of 1916-17, and exclusive of Rs 12-8-0 received in advance in the year under report for the first half year of 1917-18, against an estimate of Rs. 1,64,650, against Rs. 1,70,282 actually collected in the previous year. The balance left uncollected at the end of the year was Rs. 1,030-13-4, inclusive of Rs. 305 due on account of Military Officers and paid by Government after the close of the year. Of this balance Rs. 938-5-4 has since been collected leaving Rs. 92-8-0 for further recovery. The percentage of collections to demand was 99.41. The incidence of taxation per head of the population was Rs. 0-5-4.

Arrear.

20. The arrear demand outstanding at the beginning of the year was Rs. 1,375-8-0, which by subsequent assessments rose to Rs. 1,908 as against Rs. 2,302-8-0 in 1915-16. This demand was reduced by Rs. 332-8-0 owing to remissions and reductions on appeal, and the net arrear demand amounted to Rs. 1,575-8-0. Of this Rs. 1,545-8-0 was collected during the year, and Rs. 5 was written off as irrecoverable, leaving Rs. 25 uncollected at the close of the year. Out of this balance Rs. 2-7-6 is covered by a decree of court. The percentage of collections to the demand was 98-09 against 97-60 in the previous year.

House, Water, Drainage and Lighting Taxes combined.

Current.

21. The gross current demand under the consolidated rates levied on buildings and lands, amounted to Rs. 18,56,582-4-8 against Rs. 16,97,340-13-3 in the preceding year. The gross increase of Rs. 1,59,806-4-1 over the net demand of the previous year was due to revisions of assessment carried out during the year, and to increase of lighting tax rates from $1\frac{1}{4}$ to 2 per cent.

(1) Rs. 7,362-1-3 was due to general revision of assessments in Divisions, Nos. 12, 13 and 16 which had effect only in the second half of the year;

(2) Rs. 41,592-12-2 to cursory revision in all divisions, as per annual and supplemental survey;

(3) Rs. 14,523-9-2 to assessments imposed on new buildings ; and

(4) Rs. 13,328-4-8 to enhancement of assessments on buildings on account of alterations and improvements thereto;

(5) Rs. 75,231-13-6 to enhancement of the rate of lighting tax from $1\frac{1}{4}$ to 2 per cent;

(6) Rs. 7,767-11-4 to enhancement of assessments made in 1\$15-16 which had effect only for one half year in that year as against a full year in the year under report.

22. During the year 5466 notices were issued under section 137 on account of enhancement of valuations and assessments newly imposed against 1367 in 1915-16; 177 appeals were preferred against these enhancements and assessments and 28 against the standing assessments making a total of 205 appeals against 163 in the previous year. These appeals were heard at two sittings of Appeal Boards constituted under section 172 of the Act, with the result that in 52 cases the assessment were reduced and in 153 cases the assessments were confirmed. Three appeals were preferred to the Presidency Magistrates under Section 175 of the Act against the decision of the Appeal Board; in one case the Magistrates reduced the assessment from Rs. 765 to Rs. 612 and in the remaining two cases the appeals were dismissed. The reductions thus made amounted to Rs. $346\cdot5\cdot0$.

23. The net increase was Rs. 1,59,459-15-1 as against Rs. 45,241-13-8 in the preceding year, and the net demand amounted to Rs. 18,56,235-15-8 as against Rs. 16,96,776-0-7 in the previous year.

The net current collection amounted to Rs. 18,06,832.4.10 as against Rs. 16,27,644.0.10 in 1915-16. This figure includes a sum of Rs. 5,358.7.10 paid in advance in 1915-16 for the year under report, and excludes a sum of Rs. 6,229.8.3 received in advance in the year under report for the ensuing year, as well as a sum of Rs. 418.15.0 which remained undisbursed at the end of the year out of the amounts refundable to parties in consequence of the reduction of assessments allowed on appeal. A sum of Rs. 16,490.2.11 was remitted on account of vacancy under Section 142 of the Act and for other causes as against Rs. 18,768.2.5 in 1915-16; and Rs. 541.2.6 remitted under Section 117 of the Act as per the resolution of the Corporation. The balance outstanding at the end of the year was Rs. 32,371.5.5 as against Rs. 44,583.5.0 at the end of 1915-16. The percentage of collections to demand was 97.34 as against 96.21 in the previous year. The bulk of the collections was made without issue of warrants only 783 such being issued as against 1955 in the previous year. The incidence of taxation per head of the population was Rs. 3.9.3 against Rs. 3.4.4.

24. The total current demand, collection, remission and balance under the combined property tax as compared with the corresponding figures for the previous two years are exhibited in Appendix I, Table 1.

Arrear.

25. The arrear balance at the beginning of the year was Rs. 65,840-9-6 which by subsequent amendments was raised to Rs. 68,732-6-0. Of this demand,

a sum of Rs. 65,038-11-11 was realised during the year and Rs. 2,398-3-8 remitted on account of vacancy and other causes; Rs. 93-3-10 was remitted under Section 117 of the Act. The balance left outstanding at the end of the year was Rs. 1,202-2-7. The percentage of collections to demand, exclusive of the amount covered by decrees, was 94.65 as against 94.63 in 1915-16.

26. The total demand, collection, remission and balance under arrears as compared with the corresponding figures for the previous two years are shown in Appendix I, Table 2.

27. Out of the total balance of Rs. 33,573-8-0 outstandings at the end of the year, viz., Rs. 32,371-5-5 under current and Rs. 1,202-2-7 under arrear, a sum of Rs. 23,741-5-9 has been collected up to 8th June 1917, leaving a sum of Rs. 9,832-2-3 for recovery in the course of the year.

28. The details relating to each of the combined property taxes dealt with above, viz., House, Water and Drainage and Lighting Taxes are exhibited separately in Appendix I, Statements IV(a) & IV(b).

Tax on Vehicles with Springs and on Animals under Section 150.

Current.

29. The net demand under this tax, amounted to Rs. 1,16,250-4-0 against Rs. 1,12,062-12-0 in the previous year.

30. Appendix I, Table 3 compares the number of vehicles and animals assessed for the year under the several classes of Schedule VI of the Act with the corresponding figures for the previous year.

31. The current collections, inclusive of Rs. 7,299, received in advance for the ensuing year, amounted to Rs. 1,16,705. The net collections for the year were thus Rs. 1,09,406 which, with Rs. 3,573-4-0 prepaid in the previous year on account of taxes due for the year under report, amounted to Rs. 1,12,979-4-0 against an estimate of Rs. 1,06,000. The balance left uncollected at the close of the year was Rs. 3,271-0-0 and of this sum Rs. 1,318 has since been collected, leaving Rs. 1,953-0-0 for further recovery. The percentage of collections to demand was 97.25 for vehicles and 97.05 for animals as against 96.00 and 95.76, respectively in the previous year. The incidence of taxation per head of the population was Re. 0-2-4 for vehicles, and Re. 0-1-1 for animals, the corresponding figures for the previous year being the same.

Arrear.

32. The arrear demand at the beginning of the year for vehicles and animals was Rs. 4,625-4-1, which by subsequent amendments and additions rose to Rs. 5,048-8-1. Of this sum assessments, amounting to Rs. 1,513-3-7 were found on investigation to be erroneous, and were cancelled; the actual demand thus stood at Rs. 3,535-4-6. Of this amount Rs. 3,158-3-6 was collected and Rs. 35-9-0 was written off leaving a balance of Rs. 341-8-0 at the close of the year. The percentage of collections to demand was 87.93 for vehicles and 92.62 for animals against 96.82 and 96.16, respectively, in the previous year.

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Tax on Carts and other Vehicles without Springs under Section 158.

Current.

33. The demand under this tax, amounted to Rs. 32,340 as against Rs. 32,115 in the previous year. The number of carts voluntarily offered for registration was 8,297 against 7,964 in the previous year, and the number seized under section 162 for non-registration fell from 2,741 to 2,483. Of the 2,483 carts seized 2,468 were released on payment, and only 15 carts remained for disposal at the close of the year.

34. The current collections, inclusive of Rs. 1,599 received in advance for the ensuing year, amounted to Rs. 31,977. The net collections, excluding the advance payment, were Rs. 30,378, which, with Rs. 1,683 collected in the previous year towards the demand of the year under report, amounted to Rs. 32,061 against Rs. 32,047-14-9 in 1915-16. A sum of Rs. 234 was refunded as having been erroneously collected on carts stabled outside the city, leaving a balance of Rs. 45 due on the 15 carts seized and awaiting disposal at the close of the year. The percentage of collections to the demand was 99.11 as against 99.79 in 1915-16.

Arrear.

35. The arrear demand at the beginning of the year was Rs. 71-15-4, which by subsequent amendments rose to Rs. 80-15-4. Of this sum Rs. 72-0-5 was collected leaving a balance of Rs. 8-14-11, being the tax on one cart seized and awaiting disposal at the close of the year, and the difference between the taxes payable and the amount realised by sale in the case of two carts.

Tolls on Vehicles and Animals entering Municipal limits.

36. The right of collecting tolls for the year under report was put up to public auction and sold for Rs. 43,500 as against Rs. 44,700 in the previous year. The total amount recovered during the year, amounted to Rs. 43,576-8-2 which includes interest paid for overdue instalments.

Revenue derived from Municipal Property and powers apart from Taxation.

Rents of Lands and Buildings.

Current.

37. The demand under this head for the year was Rs. 38,272-4-6 as against Rs. 37,254-0-4 in the preceding year. The increase was due to the leasing of more lands during the year. The collections amounted to Rs. 37,199-11-8as against Rs. 35,369-5-6 in 1915-16. The above figures exclude a sum of Rs. 1,330-13-5, being 50 per cent. of the rent collected from certain lessees on Wall Tax and Basin Bridge Roads which was paid to Government under G. Os. Nos. 32 and 878, Revenue, dated 6th January 1902 and 22nd August 1903, respectively, and Rs. 57-6-5 refunded to one of the lessees as being double payment. The balance outstanding at the end of the year was Rs. 1,072-8-10 of which a sum of Rs. 532-7-6 has since been collected. The percentage of collection to the demand was $97\cdot19$ against $94\cdot95$ in 1915-16.

Arrear.

38. The arrear outstanding at the commencement of the year was Rs. 2,305-3-2, which by subsequent demands rose to Rs. 2,359-3-2. Of this sum Rs. 1542-11-4 was collected and Rs. 12-5-5 was remitted leaving a balance of Rs. 804-2-5 at the close of the year for realisation. The percentage of collection to the demand was 65.41 against 56.81 in the preceding year.

Payment for Occupation of Municipal Lands under Section 408.

Current.

39. The demand under encroachments amounted to Rs. 4,851-7-0 against Rs. 4,527-in the previous year. The collection, from way side sellers amounted to Rs. 494-15-0 against Rs. 805-12-6 in the preceding year. The fall under this head was again due to the stringent measures adopted by the Health Department on sanitary grounds against the practice. The total demand under the above two heads amounted to Rs. 5,346-6 0 against Rs. 5,332-12-6 in 1915-16, and of this amount a sum of Rs. 5,288-2-0 was collected, leaving a balance of Rs. 58-4-0 uncollected at the end of the year against Rs. 97-6-0 in 1915-16. Of this balance, a sum of Rs. 51 has since been collected. The percentage of collection to the demand was 98.94 against 98.16 in the previous year.

Arrear.

40. The arrear outstanding at the beginning of the year was Rs. 97-6-0 which with supplemental charges rose to Rs. 104-2-6. Of this sum Rs. 68-2-6 was collected and Rs. 36 remitted.

41. Grass Farm, Tondiarpel.—The farm was worked departmentally and the total receipts from all sources amounted to Rs. 46,463-14-4 against Rs. 38,209-2-9 in the previous year. The increase was due to improvements effected which resulted in a larger area, being brought under cultivation of *hariali*.

There was one disquieting feature in the working of the farm notably cattle trespass at nights. During the year 502 head of cattle were seized and sent to the Police Pound, but this number represents only a very small proportion of the number that actually grazed in the farm during the period. In May 1916, four cattle grazers were prosecuted for trespass and mischief and fined Rs. 50 each with the alternative of 22 days imprisonment. In August 1916, one man was sentenced to a month's rigorous imprisonment for trespass and theft of grass and another was fined Rs. 20 for trespass. Notwithstanding all these prosecutions the trespass has by no means abated, and the matter is receiving consideration. The loss of revenue by cattle trespass may be roughly placed at Rs. 5,000.

There was a curtailment of the farm by 2 cawnies, 11 grds. and 1,836 sq. ft. due to erosion of the sea. The total irrigable area within the fencing was 102 cawnies, 21 grds. and 2,200 sq. ft. which included several plots that were omitted during the previous year.

The total expenditure on the maintenance of the farm amounted to Rs. 28,179-1-2.

42. Moore Market.—The income amounted to Rs. 19,313-15-9 against ane estimate of Rs. 19,100.

The demand was fully collected within the year. For the arrear demand of Rs. 985 in respect of the decree obtained against Abdul Majeed Khan late contractor of the Fowl Stalls in the Moore Market, a sum of Rs. 450 was realised through the Court during the year, leaving a balance of Rs. 535 for further recovery.

43. The New Guzily Bazaar.- The collections amounted to Rs. 15,742-14-0^a against an estimate of Rs. 15,400. The demand was realised within the year. The arrear demand of annas 4, at the commencement of the year was collected.

44. *Private Markets.*—There were 43 markets and the fees collected amounted to Rs. 3,750, the same as that of the previous year. The figure excludes Rs. 50 received in advance for the ensuing year.

45. License Fees on Timber and Firewood.—The gross collections under this head amounted to Rs. 2,09,876-7-5, which includes a sum of Rs. 2,902-7-0, relating to the previous year paid by the collecting agencies during the year under report, and excludes Rs. 3,576-8-0, fees levied and received by the collecting agencies for March 1917, but not remitted to this office till after the close of the year. The corresponding gross collections for 1915-16 amounted to Rs. 1,88,104-2-2.

46. Refunds of fees on exports granted during the year amounted to-Rs. 34,878-8-0 against Rs. 47,644-10-0 in the previous year. The net collections for the year stood at Rs. 1,74,997-15-5, against an estimate of Rs. 1,30,000 and against Rs. 1,40,459-8-2 the actuals of the previous year.

In addition to the refund of Rs. 34,878-8-0 paid from the current collections on account of timber exported from imports made during the year, a sum of Rs. 14,394-15-2 was refunded from collections of previous years under the head of "REFUND of other than current collections."

47. Distraint Fees.— The distraint fees realised during the year amounted to Rs. 48-11-10 against an estimate of Rs. 150 and against Rs. 87-7-1 collected in the previous year. There were 41 distraints made in the year against 188 in the previous year. Only in 16 of these cases against 21 in the previous year, the distresshad to be pushed on to the final stage of sale by auction. The number of warrants issued in the year was 1020 against 2257 in the previous year.

48. Fines under Municipal and other Acts.—The amount realised under this head amounted to Rs. 5,181-6-6 against an estimate of Rs. 4,000 and Rs. 5,031-12-6 the actuals in the previous year.

49. Fees for Licenses, Registration, elc.—The fees collected under this head amounted to Rs 74,121-12-0, as detailed in Table 22, Appendix II, against Rs. 67,754-8-0 in the previous year.

As in the previous year, care was taken to see that sanitary conditions, as required by the by-laws, were enforced on licensees.

50. Interest on Investments.—A sum of Rs. 1,714-5-6 was realised as interest on the securities in favour of Rajah Sir Ramaswami Mudaliar Maternity Hospital. The interest derived on investments of the surplus funds of the Corporation amounted to Rs. 23,577-2-7 under the revenue and capital accounts put together as compared with Rs. 46,787-11-6 in 1915-16.

51. Grants and Contributions.—Rs. 1,38,126 as detailed below were given by Government as grants and contributions during the year—

- (1) Rs. 20,000 for the maintenance of the Mount and Poonamallee roads;
- (2) Rs. 4,219 for the repair of the bridges over the Cooum and Buckingham canal;
- (3) Rs. 2,000 towards the zoological collections in the Peoples' park ;
- (4) Rs. 300 for the payment of batta to pregnant women in Rajah Sir Ramaswami Mudaliar Maternity Hospital;
- (5) Rs. 13,607 compensation for withholding sanction for the issue of licenses by the Corporation for places used for the sale of spirituous and intoxicating liquors; and
- (6) A special grant of Rs. 98,000 for sanitary works.

With the exception of No. 6 all are recurring grants.

Payment for water supplied for non-domestic purposes.

Current.

52. The demand under this head amounted to Rs. 1,47,838-4-7 against Rs. 1,43, 882-13-2 in the previous year. Current collections came to Rs. 1,33,795-0-7 against Rs. 1, 28,257-3-2 in the preceding year, and Rs. 14,043-4-0 were outstanding at the end of the year for the following reasons :--

(1) Rs. 9,344-8-0, due by the Buckingham and Carnatic Mill Companies payable under their contract after the 30th September 1917;

(2) Rs. 4,698-12-0 due on bills issued late in March.

Of this balance Rs. 5,144-8-0 have since been collected. The percentage of collections to the demand, exclusive of item No. 1 above was 96.60 against 94.87 in the previous year.

Arrear.

53. The arrear outstanding at the beginning of the year was Rs. 15,625-10-0 which rose to Rs. 19,658-12-0 by supplemental charges made for the previous year. A sum of Rs. 18,921-10-0 was collected and Rs. 731-2.0 was remitted, leaving a balance of Rs. 6, uncollected at the end of the year.

The percentage of collections to the demand was 96.26.

5

General Incidence of Taxation.

54. The incidence of taxation per head of population under all taxes including tolls was Rs. 4-5-3 against Rs. 3-14-5 in the previous year. Excluding tolls, the incidence was Rs. 4-3-11 against Rs. 3-13-0 in 1915-16.

Advance Account. .

55. At the beginning of the year a sum of Rs. 1,61,807-5-10 was outstanding, of which permanent advances held by the several officers of the Corporation amounted to Rs. 94,540-11.9 and miscellaneous advances to Rs. 67,266-10-1. These terms are somewhat misleading. 'Permanent Advance' is represented almost entirely by the money invested in the stock at the Corporation stores; 'Miscellaneous Advances' include payments made on account, amounts for which bills have been sent out, amounts paid in advance or in deposit but awaiting adjustment. During the year, permanent advances amounting to Rs. 1,585-11-9 and miscellaneous advances of Rs. 40,397-15-7 were adjusted, and fresh advances were made to the extent of Rs. 20,405 'permanent' and Rs. 17,341-15-7 'miscellaneous.' The advances outstanding at the close of the year were thus Rs. 1,13,360 under 'permanent,' and Rs. 44,210-10.1 under 'miscellaneous,' or Rs. 1,57,570-10-1 in the aggregate against Rs. 1,61,807-5-10 at the end of the previous year.

EXPENDITURE

Grant I-(Public Works).

Communications.

New Works.

56. The amount provided in the revised estimate was Rs. 18,510, of which Rs. 14,577 were actually spent. The following are the more important works done :--

(1) The skew bridge across the Otteri Nullah at Stephenson Road was completed and a parapet wall erected to round off the approaches at the junction of Coonoor Road and Cooks Road.

(2) The construction of a foot-path 4,200 feet long from Springhaven Road to the old band stand at Cupid's Bow was commenced late in the year. The delay was due to the difficulty in securing the land required. A tender for laying the granite curb was accepted (Rs. 3,335-8-0) and this work is now in progress.

(3) Dangerous corners at the junction of Harris Road and Pantheon Road and Halls Road with Casa Major Road were rounded off; in the former case, Government gave the land free; in the latter case, the owner of the compound gave the land, the Corporation bearing the cost of removing, setting back, and rebuilding the compound walls in each case.

(4) China Bazaar Road and Broadway were widened in places by setting back a building in each to the declared building line, compensation being paid under section 235 (2) of the Act amounting to Rs. 1,660 for the two.

57. Private Streets.—(1) In R. S. No. 44 of Nungambakkam (Azizmulk Paracherri), 5,760 feet of private streets were taken over by the Corporation under Section 246 of the Act and declared public.

(2) Owners of private streets in portions in R. S. No. 56 of Nungambakkam (Majid-ud-Dowlah's Garden Paracherri) and R. S. Nos. 1284/2-A, 1291, 1292/1, 1294, 1296 and part of R. S. No. 1289 of Triplicane (Sirdar Jungs Garden) offered to hand over such streets to the Corporation, but as the owners were unable to prove title, formal acquisition proceedings were commenced.

Repairs.

58. The amount allotted for the maintenance of roads, bridges, culverts, etc., was Rs. 4,02,420. In view of the financial outlook, only indispensable repairs were carried out at a cost of Rs. 3,09,636.

59. Reform and Repair of Roads.-2 miles, 7 furlongs and 82 yards of roads previously unmetalled were metalled during the year. The number of

squares (100 sq. ft.) laid in the reform of roads was $45,897\cdot30$ which is equivalent to $43\cdot46$ miles of roads 20 feet wide, as compared with $59\cdot30$ miles of roads reformed in the previous year (Tables 15 and 16, Appendix II).

The quantity of materials used in reform and in patching of roads wasas follows :---

		B Granite. C ft.	V. Granite. C.ft.	Laterite. C.ft.
Reform	 $1916-17 \\ 1915-16$	7,02,782 10,10,569	2,41,283 3,10,361	4,71,563 5,90,099
Patch-work	 $\begin{array}{c} 1916\text{-}17 \\ 1915\text{-}16 \end{array}$	1,29,807 63,283	$13,697 \\ 15,673$	$\begin{array}{c} 62,354 \\ 29,600 \end{array}$

The above table includes new material supplied by contractors and old material picked up, screened and replaced.

The cost of reform including materials, cartage and laying, but exclusive of rolling was Rs. 1,73,700. The 43.46 miles of roads reformed cost Rs. 3,997 per mile as against Rs. 4,347 in 1915-16.

The areas of roads of different thickness reformed with granite are as shown below, the figures being squares in each case :---

	6"	5"	4"	3"	2"
1915-16	 1,423		20,767	20,783.37	2,038
1916-17	 2,518	24	11,520.25	15,959.30	2,443.50

60. Tarring Roads.—Two lengths of roads amounting to 1 mile and 29 yards were tarred for the first time during the year and four other roads amounting to 2 miles, 6 furlongs and 48 yards were re-tarred. At the end of the year the total length of tarred roads in the city was $9\frac{1}{2}$ miles (Table, 17 (a) Appendix II).

61. Report on the laying of an experimental length of voidless Asphaltic Road Surface in Mount Road .- The site selected was in Mount Road near Munroe Statue. The length laid was 150 feet, the area being 8,437 sq. ft. and the finished thickness 2 inches. The materials used were crushed blue granite, Portland cement, or flue dust from the Municipal Incinerators, and the Standard Oil Company's Grade A-4 Socony Asphaltum. The crushed blue granite was so graded and proportioned as to produce an aggregate as nearly voidless as possible, the smallest voids being filled with cement or flue dust. All the materials were intimately mixed in their proper proportions, heated and thoroughly incorporated with the Asphaltum at a temperature of about 300° Fah., laid on the road in a layer 21 inches thick, and first hot rolled, then cold rolled to the finished thickness of 2 inches. One section was laid with cement as a filler and another with flue dust, the latter appears to produce as good results as the former and is cheaper. The total cost was Rs. 4,670, but this includes the capital outlay on special tools and plant required, which are available for further use. The net cost allowing for depreciation of plant was about Rs. 2,420 or Rs. 28-10-11 per 100 sq. ft. or Rs. 2-9-4 per square yard. The cost is undoubtedly high due to the fact, that the labour was untrained, all the work was hand done, war prices were paid for Asphaltum and cement,

and there was considerable wastage in fuel owing to the uneconomical methods which had to be adopted for heating materials. It is estimated that with trained labour and mechanical mixing, by using flue dust instead of cement, with Asphaltum at pre-war rates and by laying larger areas at a time, the cost per square yard should not exceed Rs. 1-6-0. A traffic census was taken for this road, which showed that about 2,900 vehicles passed per day, of which about 40 per cent. were heavy carts. The life of the road is estimated at from 10 to 15 years.

62. Bridges and Culverts.—The Punthottam aqueduct and Soolai Cathai Bridge at Mylapore were handed back to Government on 11th November 1916, and the annual Provincial contribution sanctioned by Government for the maintenance of bridges was accordingly reduced by Rs. 224.

The lower booms of the main girders of Napier Bridge were painted with "Cuirass" black anti-corrosive paint. Repairs were also carried out to the arched bridge in Graems Road near the junction of Anderson Road, to the bridges in the 19th and 10th Divisions, and to the culverts in Cochrane Basin Road. The widening of Culvert No. 2 in DeMellow's Road was also completed during this year.

Buildings.

New Works and Repairs.

63. Rs. 2,19,200 were provided in the revised estimate made up as follows :--

Revenue Account			Rs. 1,66,718
Capital Account			30,810
Government Grant			21,672
			2,19,200
Of this Rs. 1,58,368 we	re spent	during the year	ar as follows :
Revenue Account			1,27,828
Capital Account			23,294
Government Grant			7,246
			1,58,368

Rs. 1,21,066 being spent on " New works" and Rs. 37,302 on "Repairs."

New Works.

The expenditure under this head was estimated at Rs. 1,78,590, but only Rs. 1,21,066 was spent. Rs. 57,524 or 32 per cent. of the amount provided being unspent. Of this, 17 per cent represents the grants provided but not utilised for the construction of a Dhobykhana at Robinson Park, a pail depot at Royapuram pumping station and coolies lines. A question regarding the site of the dhobykhana was under correspondence with Government; the habitual slowness of the Madras workmen is mainly responsible in the other instances. Of the remaining unexpended balance of 15 per cent., 9 per cent. represents the cost of works which were in progress during the year, 5 per cent. is the cost of works completed but not paid for within the year, and the remaining 1 per cent. is a saving.

Hospitals.

64. The improvements to the Infectious Diseases Hospital in Barracks Square were completed during the year at a total cost of Rs. 13,670.

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Drainage works and fitting of sanitary fittings at the Rajah Sir Ramaswami Mudaliar's Lying-in-Hospital at Monegar Choultry Road, were under progress.

Model Schools.

65. No new schools were commenced during the year as no money was provided, but the three schools at Vasapmode Paracheri in Georgetown, Vadhiyar Canda Pillai Street in Purasawakkam and Ammayappa Mudali Street in Mylapore, under construction last year were completed.

The acquisition of land in Oobrapalayam, 14th Division, as a site for a Model School was in progress.

A compound wall to enclose the site recently acquired at Edapalayam for a Model School was commenced and was nearly completed at the end of the year.

The repairs and certain minor improvements effected to other Model Schools are shown in Appendix I, Statement II-A, part II.

Works carried out for the Health Department.

66. (1) Model Milch Cow-houses.—B Depot, Basin Bridge Road, was altered and repaired to make it suitable for use as a Model Milch Cow-house, the drainage works required being under progress.

Alterations and repairs to the buildings in the Fiji Emigration Depot to make it suitable for Model Milch Cow Houses were postponed. Picottahs for baling out water to water the cocoanut trees in the premises were erected during the year.

(2) Latrines :- The construction of 15 flush-out latrines referred to in paragraph 68 (3) of the Administration Report for 1915-16 was completed, Rs. 37, 481 being spent during the year.

The acquisition of a plot of land near Law College pumping station measuring 650 sq. ft. for the construction of a flush-out latrine was under correspondence with the Military authorities.

(3) Cattle Depots :--Improvements to the Cattle Depots "C" at Kathiwakkam High Road and "G" at Barbers Bridge Road were effected, and six additional bays at "D" Depot, Chulai, were added to accommodate the increase in the complement of bullocks. Improvements to the Depots "A" at Basin Road, and "H" at Sheep Slaughter House Road, and the construction of four new bays at "F" Depot, Kistnampet, were under progress during the year.

(4) Minor Works.—Alterations and additions to the Lethal Chamber at Krishnampet were completed and the construction of three roofed platforms in the Smithfield Market, Chulai and of a Pail Depot at Langs Garden were under progress during the year.

Other Works.

67. (1) Additions to the Central Fire Station at Pudupet which were under progress last year were completed, and paid for at a total cost of Rs. 11,684, as against the estimated amount of Rs. 11,860.

(2) The construction of a compound wall for enclosing the additional land acquired for the Corporation Workshop and Stores, and the erection of a corrugated iron rope godown were completed during the year.

(3) The Rhinoceros enclosure in the Menagerie at the Peoples Park was converted into a Lion enclosure by adding two masonry rooms and erecting high iron bar fence.

Repairs.

68. Details of repairs carried out and improvements effected to the Municipal buildings and the cost of such works are shown in Appendix I, Statement II-A, Part II.

Water-supply and Drainage-Special Works Department.

69. Restricted Programme of construction.—The total expenditure on the new Water and Drainage works to 31st March 1917 was as follows :--

Waterworks		 Rs.	54,62,075
Drainage works		 ,,	34,82,930
	Total	 Rs.	89,45,005

The financial stringency caused by the war referred to in the last report, became much accentuated. Consequently, work on the new water-supply and drainage systems was reduced as much as possible in order to curtail the expenditure, which during the year under review has been as follows :--

Waterworks	 	Rs.	8,39,720	
Drainage	 	""	6,14,650	
	Total	Rs.	14,54,370	

This is less than one half of the amount that would have been spent had the works been carried out as planned by the Special Engineer, for, according to his pre-war proposals, the past year would have been one of maximum activity.

The necessity for economising in every possible way was well appreciated by the Corporation, but it was forcibly brought to their notice by G.O. No. 1040-M., dated 9th June 1916, in which Government pointed out that under existing conditions it was not possible to carry out the large programme originally contemplated, and suggested that, for the present, the essential parts of the works in hand should be completed with an expenditure of about 50 lakhs of rupees spread over a period of five years. This was in close agreement with the programme referred to in last year's Administration Report. On 22nd July 1916, the Special Engineer submitted a printed note describing a programme of work involving an expenditure of Rs. 9·70 lakhs on waterworks and Rs. 39·94 lakhs on drainage works, making a total of Rs. 49·64 lakhs as compared with Rs. 165 lakhs, the estimated cost of completing the comprehensive schemes already sanctioned by the Corporation and Government. This programme was accepted by the Corporation, and it received the approval of Government in G. O. No. 11-M., dated 5th January 1917.

70. Works included in Restricted Programme.—The large reduction in expenditure—to about one-third of that included in the comprehensive schemes,—is obtained by omitting everything that can be postponed on both the waterworks and drainage works. Briefly stated, the *waterworks* included in the Restricted Programme consist of completing the filter beds, and laying the pipes already delivered. The principal works omitted are the filter bed extension, the waste water meter system, and a considerable length of new cast-iron pipes. These works are to be regarded as postponed temporarily only. They are essential to a satisfactory water-supply for the city and should be carried out as soon as possible.

The plan facing this page shows the principal drainage works of the Restricted Programme. They include the construction of three new pumping stations at Ice House Road, Napier Park and Purasawakkam, the re-engining of the DeMellow's Road Station, and laying the pumping mains and gravitation mains required to convey the sewage to the Sewage Farm. Provision is made for laying a number of deep intercepting sewers in the Napier Park, Ice House Road and Purasawakkam areas, for laying and completing house connections to the newly constructed sewers in Tondiarpet, for sewering, including house connections, some of the most insanitary areas of Madras, and for relaying, in conformity with the comprehensive scheme, of the collapsed sewers in the Mylapore and Ice House Road areas. These works are to be constructed in conformity with the comprehensive scheme for the city drainage, and as urgency arises and funds become available, they can be extended until the whole scheme has been. completed. They include the works necessary to obtain immediate benefit from the work already wholly or partly constructed, to render efficient the overburdened old drainage system, and to remedy the worst cases of insanitation. They do not provide for the drainage of the whole city, but they will greatly improve the sanitary condition of the most thickly populated areas.

It is, however, impossible to emphasise too strongly that the drainage of Madras is in a most unsatisfactory condition. As a result of the increased watersupply, the old drainage system has broken down in many places as waspredicted by the Special Engineer in 1910. The whole of the Main Drainage Scheme should undoubtedly be carried out as early as possible. Not till it is completed, will the sanitary conditions of Madras enable it to become a normally healthy city.

71. Reduction in Staff.—Not only has economy been effected by limiting the amount of work done but also by ruthlessly reducing the establishment. The total saving over the establishment at the end of the previous year is Rs. 3,560 per mensem. This has been effected by reduction of staff in all sections and grades of the Special Works Department. Amongst the senior officers who have left during the past year may be mentioned the Assistant Drainage Engineers Mr. H. W. Barker and Mr. S. L. Luker, the Mechanical Engineer Mr. F. T. Newland, and the Assistant Waterworks Engineer Mr. T. A. Pereira.

Waterworks.

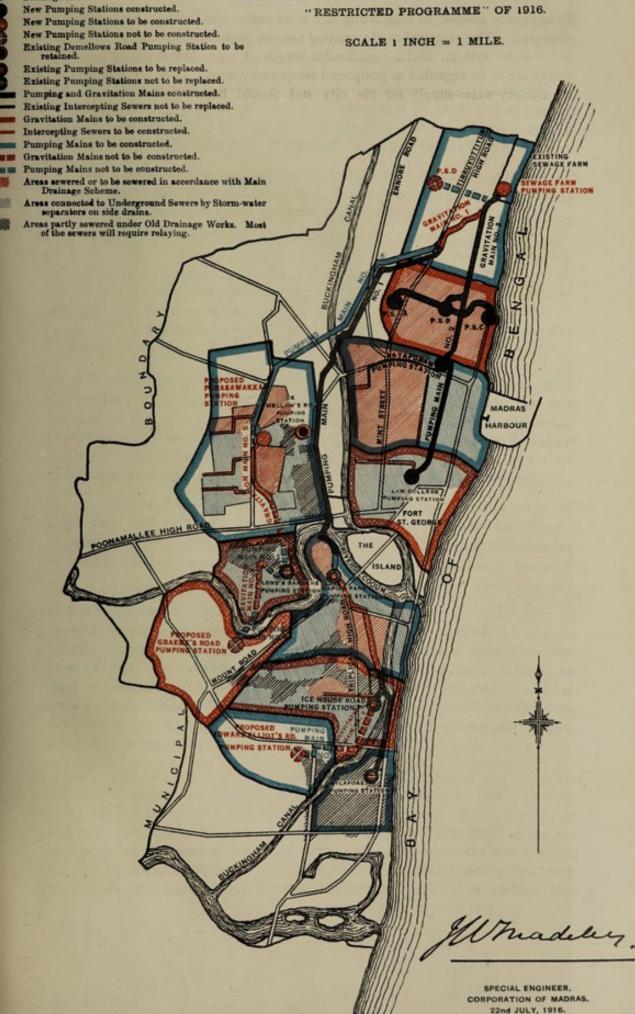
72. Construction.—The work executed during the year has consisted mainly of completing the filter beds, and extending the distribution system. The last filter bed was completed on 2nd November 1916. The total length of water pipeslaid to date, under the new scheme, is 338,400 feet, of which 114,400 was laid. during the year under review.

CORPORATION OF MADRAS SPECIAL WORKS DEPARTMENT-DRAINAGE SECTION.

REFERENCE.

Drainage Area.

PLAN SHOWING DRAINAGE OF CITY ON COMPLETION OF "RESTRICTED PROGRAMME" OF 1916.





The expenditure during the year, amounted to Rs. 8,39,720, out of a total of Rs. 9,70,000 provided in the Restricted Programme. There is, therefore, but little work remaining to complete the Restricted Programme.

73. Consumption of water.—The quantity of water supplied during the year has been 4982.34 million gallons, which is equivalent to 26.30 gallons per head per day. The maximum average daily consumption per head in any month was 29.78 gallons in September and the minimum was 22.89 gallons in November.

74. *Pressure.*—The consumption has been kept within the limits given in the last paragraph with difficulty, and it has been necessary to restrict the pressure in the principal mains as shown in the following table :—

Time.	Pressure above ground level.		
5-30 — 8 а.м.	 		40 feet.
8 A.M.— 6 P.M.	 		30 "
6 р.м.—10 р.м.	 		15 "
10 р.м.— 5-30 а.м.	 		10 "

75. Filter Beds.—The whole of the new filter beds were brought into use for the first time in November 1916, and since then only filtered water has been¹ supplied to the city. It is, however, only with the greatest difficulty that the maintenance staff has been able to pass all the water through the filters, because the water contains a large amount of organic matter in suspension, and the rate of filtration is 33 per cent. greater than that for which the filters were designed.

A great deal of organic matter is removed, and the filtered water is very much purer than before filtration, but it might be improved bacteriologically, and the seven additional filters, that were sanctioned in July 1914, should be constructed as soon as the requisite funds can be obtained.

76. Distribution System.—The extension of the water-supply distribution system has continued. The work is being carried out in accordance with the Restricted Programme, which leaves out 3,07,000 feet provided in the comprehensive scheme. The consequence is that a great number of street pipes have to be omitted. To ensure that the pipes available should be laid where they are most urgently required, the Special Engineer prepared a programme based on careful investigation by his staff. This programme was submitted to the Divisional Commissioners for remarks, and an amended and final programme has been adopted to incorporate their suggestions.

77. Difficulty of maintaining a good supply throughout the city.—The difficulty of maintaining an ample supply of water throughout the city at all hours of the day has increased as a result of the extension of the distribution system, and more particularly on account of the great number of taps which in the past have been allowed without restriction. The consequences are (1) that when all the taps are open, those more remote from the main get no water; (2) a large quantity of water is wasted. It has thus become impossible to maintain a high

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pressure and to distribute water equally to all consumers. At present some are better off than others to an extent that is unjust to the "others."

In many parts of Madras a state of affairs has already been reached in which, for every additional tap given, one existing tap ceases to receive water during the hours of maximum consumption, *i.e.*, when it is most wanted.

From this it follows that the restriction on taps decided on by the Corporation must be rigidly enforced, if the water-supply is not to return to the old conditions, under which the more remote parts of Madras received no water at all for many hours of the day.

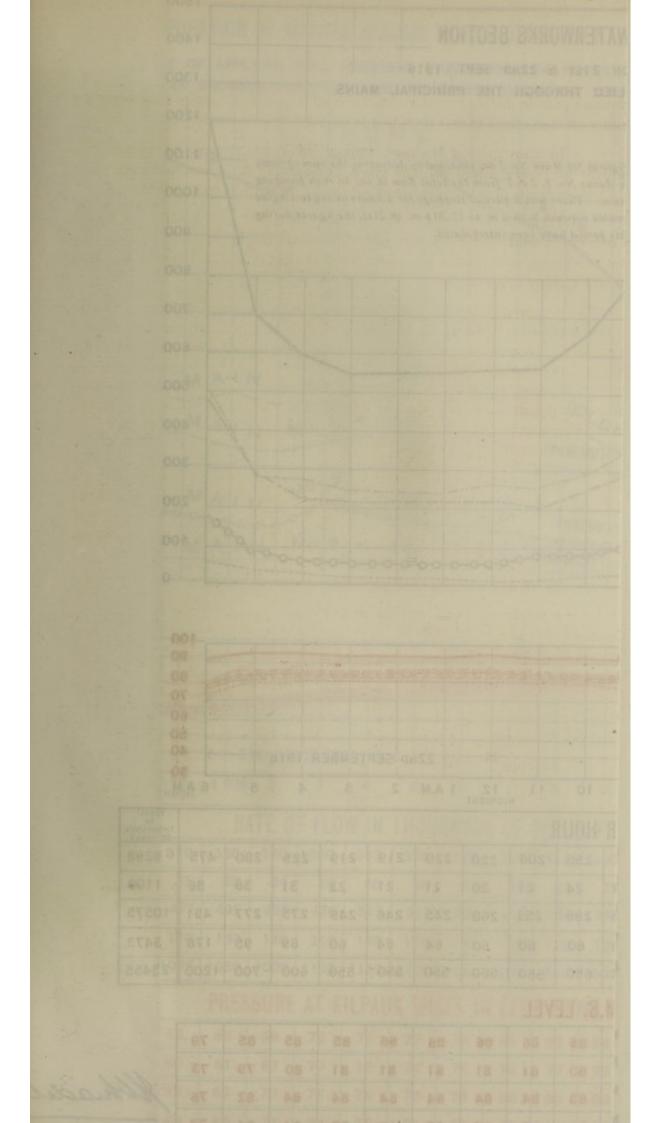
78. Consumption under full pressure.—The pressure under which the water is now supplied is considerably less than it might be, if the consumption were not excessive. To ascertain what would happen if the water were supplied at the full pressure available, a 24 hours' experiment was carried out beginning at 6 A.M. on 21st September 1916. The experiment was advertised, and the co-operation of the inhabitants solicited, by means of notices in the press, free issue of leaflets in the Vernacular, and tom-toming in every division. The main objects of the experiment were :—

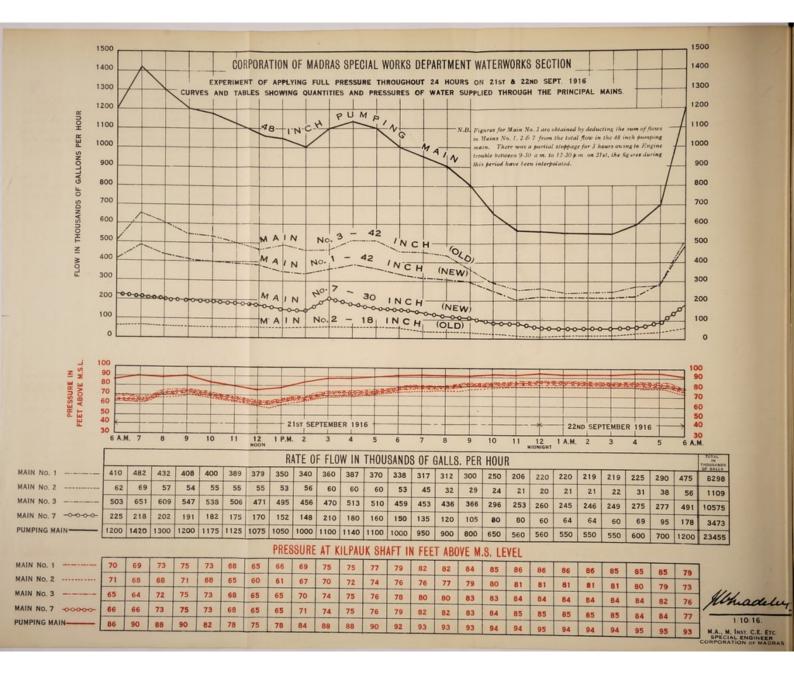
- To enable the inhabitants of Madras to form an idea of the pressure at which water could be supplied, if waste were sufficiently reduced.
- (2) To ascertain what would be the present consumption under full pressure.
- (3) To find out how the pipes would stand the pressure.

A similar test was made soon after the opening of the waterworks in December 1914, but considerable hardship was caused by the bursting of pipes and the consequent stoppage of the water-supply to large areas of the city. Since then some of the worst mains have been taken up and replaced by new pipes, and interconnection works have been carried out, making it possible to send water to one district through the pipes supplying another district, so that there was not likely to be a recurrence of the hardship experienced in December 1914.

As a result of the experiment, it was found :--

- That the water-supply system was capable of supplying water to the upper floors of houses all over Madras. Indeed, many tanks on the tops of the houses overflowed.
- (2) That, with the system as it now is, the water taken under full pressure was 23½ million gallons per day. As the main part of the system is designed to supply only 14½ million gallons per day and the filters now constructed to supply 10 million gallons per day, it is obvious that the present system cannot supply continuously all the water that would be consumed under full pressure. Indeed, the present sources, even if all irrigation were stopped, would be inadequate to supply the consumption disclosed by the experiment.





The pressure maintained on the mains was about 50 feet above ground level varying from 40 feet during the hours of maximum consumption to 55 feet at night. The rate of supply varied from a maximum of 1,420,000 gallons per hour at 7 o'clock in the morning to a minimum of 550,000 gallons per hour at night. The latter quantity represents wastage at the rate of 26 gallons per head per day.

(3) As was confidently expected, none of the new pipes failed, nor, so far as can be ascertained, did any of them leak. Some of the old pipes burst, and in others leaks developed. These were serious in the case of the 22-inch and 36-inch mains, which supply Triplicane and East Georgetown. Service pipes and house fittings also developed a number of faults.

	Pipes burst or cracked.	Defective joints.	Total.
	1		abad we w
Trunk Mains	. 3	1	4
Street Mains	. 18	9	-27
Services	21	16	37
Total	42	26	68

The following is a summary of the principal failures that occurred and were reported during the experiment :---

- (4) The interconnection work recently carried out proved extraordinarily effective. Although two leading mains 22-inch and 36-inch in diameter had to be cut off, areas served by them were never deprived of water.
- (5) The experiment showed the necessity of overhauling the old portions of the distribution system. This can be done systematically and effectively only when the waste water meter system has been installed. The necessary valves, meters, etc., are included in the sanctioned estimates, and the system would already be in operation but for the war. At the present time, it is impossible to say when the work can be proceeded with. It is not included in the Restricted Programme.

In the meantime, it is proposed to apply pressure to small sections of the distribution system, and by means of careful inspection and stethescopic examination to detect the principal faults, and then to put them right.

The plate facing this page shows diagrammatically and by tables the

rates of consumption and pressures of the water in the different mains throughout the experiment.

79. Prevention of waste of water.—Closely connected with the provision of an adequate water-supply is the prevention of waste, for, if waste could be eliminated, there would be more than enough water for the legitimate use of every person in Madras.

The best methods of reducing waste have been under almost constant consideration since the Special Engineer emphasised its importance in his Water Distribution Report of 1910, and during the year under review the Corporation has discussed the question on several occasions. The use of meters on all but the smallest houses has been adopted as a general principle, but unfortunately it will be impossible to put it into practice so long as the war continues, because it is impossible to obtain the necessary meters.

House to house inspection, which was started last year, has been continued. Up to 31st March 1917, 13,641 houses had been inspected, of which 5,495 had leaky fittings. In most cases the defects were remedied after service of notices on the owners.

Waste water prevention meters.—In Madras there are many underground leaks which are not large enough to show on the surface, but which, in the aggregate, account for the loss of a great amount of water. At present the only way to detect these leaks is to apply the full pressure, so that either the pipes may burst or the leaks increase to such an extent that the fault may be discovered by the escaping water appearing on the surface. This is a very rough and imperfect method. A complete waste water meter system has been designed, in which the city is divided into 134 areas, each governed by a self-recording water meter by which the waste may be scientifically investigated. Unfortunately owing to the impossibility of obtaining capital during the war, this important and essential part of the water-supply system has been indefinitely postponed. Full detail plans and specifications have been prepared however, in order that the work may be put in hand without delay as soon as funds become available.

Mr. Hensman was deputed by the Corporation to visit Bombay in order to study the working of the system in that city. He was in Bombay for eight weeks in May and June 1916, and submitted to the Corporation an interesting report not only on the waste water meter system, but also on the general maintenance of the water-supply system of Bombay. (See also pages 35 and 36). He has made an experimental investigation of one area of Madras and a proposal is under consideration to purchase a few portable meters and ascertain what can be done with them, so that an estimate may be formed of the benefits likely to be derived from a complete system.

80. Cost of water. The financial stringency has resulted in a close examination of the cost of supplying water to the City and the economies that may be effected. These were fully dealt with by the Special Engineer in his report, dated 22nd July 1916. 29

He concludes that the water costs are as follows :-

		t in annas per ,000 gallons.
Paid to Government for supply a	at Red Hills	 0.01
Conveying from Red Hills to Kil	lpauk	 0.01
Filtering at Kilpauk		 0.05
Pumping at Kilpauk		 0.36
Distribution through city		 0.25
Total for	maintenance only	 0.68
Add for depreciation and interes	st on capital	 1.48

Total cost per 1,000 gallons, annas 2.16

This is the cost of the water pumped into the mains, but as at the present time two-fifths of the water is wasted or used for unremunerative purposes, the cost charged against water paid for has to be increased in proportion and when thus corrected it becomes 3.6 as. per 1,000 gallons.

But the water costs the Corporation more than this, for it forms sewage which costs as. 3.54 per 1,000 gallons to remove and deal with. The total cost of providing 1,000 gallons of water and dealing with it as sewage is as. 5.7 per 1,000 gallons. From these data a simple calculation shows that every gallon of water wasted per head per day in the course of a year costs the Corporation Rs. 65,000 to provide as water and deal with as sewage.

81. Water-supply and Health. In the last Administration Report attention was drawn to the remarkable fall in the death-rate which followed the introduction of the new water-supply in December 1914. It is satisfactory to record that during the year under review there has been a further decline, and the improvement in health has been sufficiently noticeable to call for remarks from employers of labour. The actual figures are so striking that they are worth recording ; they are as follows :--

Year.	No. of deaths in the year.	Death-rate per 1,000.	Remarks.
1914	. 24,174	40.6	
1915	18,683	36.0	First year of new water- supply.
1916	. 17,872	34-4	Sector and the sector sector
Average for decade 1901 10.	- 22,485	44.0	to specification

The drop in the number of deaths per year is indeed remarkable. After a continuous though irregular rise in the death-rate, it has fallen below the lowest previously recorded. P.T.O.

Compared with the average for the previous decade there is a reduction of 4,613 deaths per annum. As for each death there are on the average six cases of illness, each lasting seven days, the fall in the death-rate results in the saving of 193,746 days of sickness. From a financial point of view, each day may be taken as worth Re. 1 including loss of wages of the sick person, the medical attendance and time of those who attend on him. Thus the value of the improved health of the city may be taken at Rs. 1,93,746 per annum, a large proportion of which may be set down to the credit of the new water-supply.

Drainage Construction

82. The principal works carried out.—During the year were the construction of deep and difficult gravitation mains and intercepting sewers in the Napier Park and Purasawakkam areas, sewer laying in the Royapuram, Napier Park and Purasawakkam areas, storm water drainage in Triplicane and Georgetown, and Anti-Malaria drainage in Purasawakkam.

83. Gravitation Mains.—The Napier Park gravitation main has been completed, and the Purasawakkam gravitation main has been finished as regards the portion included in the Restricted Programme. The agency employed for constructing these mains was both contract and direct departmental labour. It is as satisfactory, as it is unusual, to be able to report that the contract work on the Napier Park gravitation main was carried out satisfactorily and at good speed.

The Purasawakkam main unfortunately provided a marked contrast. The work was very similar to the Napier Park gravitation main, but progress was very slow and needlessly expensive to the contractor, who finally stopped work altogether, and in October 1916, the Corporation determined the contract and proceeded to finish the work departmentally.

It is interesting to note that in five months the department executed more than four times the length of main over which the contractor took eight months. Thus, work was executed $6\frac{1}{2}$ times more rapidly by departmental labour than by contract. It was also better done with less damage to adjoining property.

In the case of both the Napier Park and the Purasawakkam gravitation mains, many difficulties were encountered. Both were laid at considerable depths—reaching 21 feet—through narrow streets, and consequently the greatest care had to be taken to prevent the collapse of the houses bordering the trenches. Cracks were unavoidable in some cases, but no serious damage was done, and the necessary repairs have been effected at a small cost.

In places large quantities of water were encountered necessitating very heavy pumping. In consequence, it was difficult to obtain the watertight work that has been insisted on. Interlocking steel piles were used in excavation. Without this valuable plant, some of the work would have been impossible to construct. The laying of the 33-inch diameter cast-iron pipes forming the lower section of the Purasawakkam gravitation main, was resumed towards the end of the year, as soon as the level of the subsoil water was sufficiently reduced. The ground proved very treacherous, necessitating the use of long timber bearer piles driven eight feet below the bottom of the excavation. These piles are driven in pairs —one on each side of the trench—and are joined by two cross pieces, one below the bottom of the pipes to prevent it sinking into the mud, and the other above the pipe to prevent the mud floating it upwards. Fortunately, there is evidence of improvement in the ground and it should soon be possible to execute the work more cheaply.

84. Sewer laying.—Sewer laying was continued in Royapuram up to the end of January 1917, when it had to be discontinued on account of the shortage of stoneware pipes, which have been delivered at rates far below those stipulated in the contract. The contractors excused themselves, first owing to the alleged impossibility of obtaining freight, and later on account of difficulty in obtaining labour, but it is difficult to avoid the impression that deliveries would have been much more rapid if the contract had been more profitable.

In the Purasawakkam area, sewer laying was restricted to the deep intercepting sewers, which are included in the Restricted Programme.

In the Napier Park area, a number of old sewers that had broken down owing to faults in the old system, were taken up and relaid by new sewers at suitable gradients.

House drainage work was continued, mostly in Tondiarpet and Georgetown, on a smaller scale than the previous year.

Departmental work.—The sewer laying above referred to was executed by direct departmental labour on account of the uncertainty of the delivery of pipes, which made it impossible to let definite contracts. The departmental work amply justified itself. The work was better done, progress was more rapid and regular, disputes with contractors were avoided, and considerable savings were effected over the estimates, as will be seen from the following figures :—

	Co	Cost.		ING.
	Estimated.	Actual.	Total	Per cent.
	Rs.	Rs.	Rs.	Rs.
Royapuram sewer laying	. 1,41,140	1,13,100	28,040	20 per cent.
Purasawakkam sewer laying	. 2,37,230	1,93,530	43,700	18 do.
Napier Park gravitation main	. 92,030	70,300	21,730	24 do.
Purasawakkam gravitation main	. 1,67,000	1,38,046	28,954	17 do.
Total	. 6,37,400	5,14,976	1,22,424	19 per cent.

An average saving of 19 per cent.

85. Anti-Malaria Drainage.—At the end of May 1916, the Special Engineer submitted Mr. Barker's report on the Anti-Malaria and Storm-water Drainage in Purasawakkam. 'This contained proposals for work estimated to cost Rs. 1,77,000 for the draining of the tanks and swamps in Purasawakkam, and for work estimated to cost Rs. 41,000 for storm-water drainage works, that might be connected to the anti-malaria drainage channels. Owing to financial stringency, it was impossible to provide funds for all the works. In G. O. No. 124-M. Mis., dated 24th January 1917, Government stated that "The Government accept the "view of the Malaria Board that the restricted scheme described in para. 17 of "Mr. Madeley's letter to the President of the Corporation, dated 26th May 1916, " and estimated to cost Rs. 28,000, should be carried out in the first instance as " an urgent measure."

The work has been put in hand and by 31st March 1917, the three portions of the scheme known as Brick-kiln Road South, Brick-kiln Road North, and Strahans Road, for the drainage of eight tanks, have been completed, in some cases the tanks have been drained completely, in others the water areas have been very greatly reduced.

The DeCastor's Road tank drainage, and the main drainage channel will be put in hand early in the coming year.

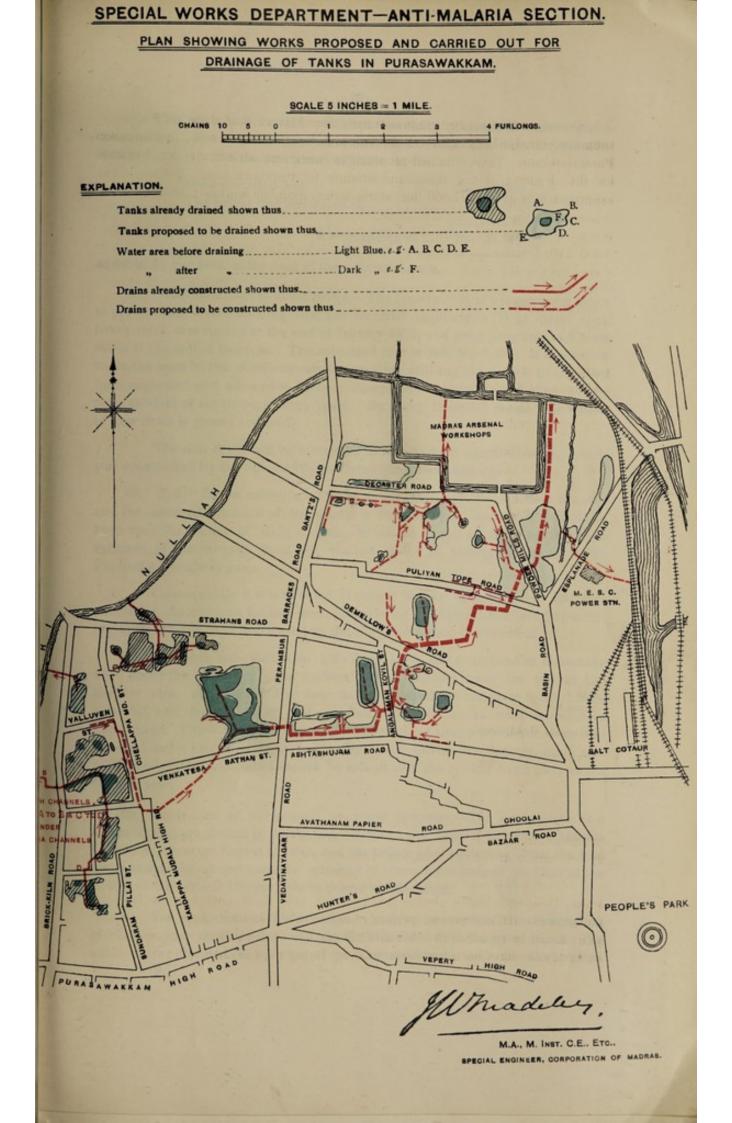
The plan facing this page indicates the work done.

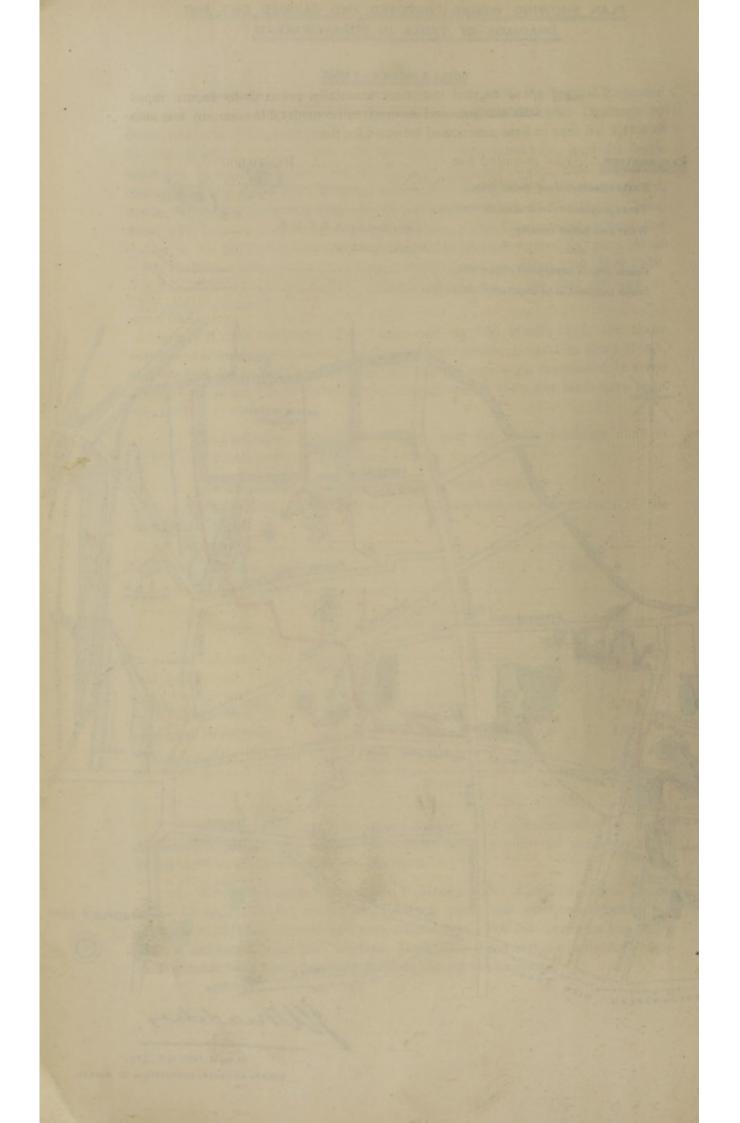
The following table shows the results obtained, and the costs of the work :--

PARTICULA	Cost.				
Name.		Name. No. Area reclai by draini only.		Estimated,	Actual.
million street and line	1	- 10	-	Rs.	Rs.
Brick-kiln Road, North		2	2 acres.	2,570	1,551
Brick-kıln Road, South		8	18 "	2,600	2,509
Strahans Road		5	7 "	8,745	5,864
Tota	u	10	27 acres.	13,915	9,924

All this work was carried out rapidly and economically by direct departmental labour. No serious difficulties were encountered and a saving of 28 per cent. over the estimates was obtained.

86. North Triplicane Storm-water Drainage.—The North Triplicane Stormwater Drainage, begun during the previous year, was completed before the monsoon of 1916 and proved perfectly satisfactory. For the first time for many years it can be recorded that Wallajah Road, Ellis Road and the adjacent streetsin Triplicane have been free from flooding during the monsoon.





This work was carried out departmentally, primarily to secure rapid construction. Not only was this end secured, but considerable economy was also obtained, for, whereas the sanctioned estimate for the

work executed was		 Rs.	70,000	
The actual cost amounted	to	 "	48,028	
A tot	al saving of	 Rs.	21,972	

equal to 31 per cent. of the cost of the estimated work.

87. Moor Street Storm-water Drain.—The construction of a storm-water drain to prevent the severe flooding that has occurred regularly in Moor Street after heavy rains, was started at the end of January 1917, and good progress had been made at the end of the year. The estimated cost is only Rs. 5,300. It is possible to do the work at this comparatively low cost by utilising old drains which have been neglected and allowed to become completely choked and blocked by the accumulation of silt through many years. By using these old drains, the length of new drain is greatly reduced.

The new drain will be connected to the harbour overflow sewer, which was constructed by the Special Works Department two years ago.

88. Kelly's Drain extension.—Owing to the continued accumulation of sand, and the seaward extension of the shore, it became more and more difficult to keep open the outlet of Kelly's drain, which in times of rain, carries large volumes of storm-water from the shallow valley of Georgetown along which Popham's Broadway runs.

Consequently it was decided to extend Kelly's drain a further 220 feet seawards. An estimate for the work prepared by the Special Engineer, amounting to Rs. 19,470, was sanctioned by the Corporation and Government.

The work was started on 18th April 1916 and completed in December 1916 under the estimate. The cyclone, which washed away the end of the harbour arm, undermined the new work. Fortunately the plant had not been removed, and after the night of the cyclone protective works were immediately put in hand. These consisted of a wall of interlocking steel piles driven deep into the sand and a barrier of sand bags. By these means the damage done was minimised. The new outlet should be rebuilt and the shutter fixed early in the coming year.

89. Separation of storm-water in house drainage.—The importance of a separate drainage system is clearly pointed out in the Special Engineer's Madras City Main Drainage Report of 1913, and the principle of excluding from the foul water sewers the utmost possible quantity of storm-water formed the basis of the design of the general scheme now in course of execution.

The application of this principle in practice necessitated the construction of curbs in open court yards to exclude the rain-water from the open drains. The curbs were objected to by some of the Commissioners, and the Corporation

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- " (1) Curbs or roof gutters to separate storm-water from sullage."
- " (2) The surcharging of the whole of the drainage system with the " consequent overflow of dilute sewage at lower points-mostly " over roads." " Under these conditions, the sewer system will " not operate during times of heavy rain."

Although the curbs have been abandoned for small court-yards, every effort is being made to insist on their employment in special cases, where they will be of great benefit to exclude storm-water and silt from the open drains.

Drainage (Ordinary).

New Works.

90 House Drainage: (1). Tondiarpet Area.—Alteration of house drain in this area was continued during the year, the drainage of 17 houses being altered. 182 new syphon boxes were built, and 312 syphon boxes were raised. 143 connections were made between houses and syphons and 1,972 between syphons and sewers. These works cost Rs. 27,690 which was met from "Capital" account. Further works in this and in the Georgetown areas were suspended for want of funds.

Rs. 31,610 were provided in the Revised Estimate, of which Rs. 9,801 was spent on the laying of sewers and the construction of side drains by the Works Department the remainder being spent by the Special Works Department. The following works were carried out :--

(1) In Kammala Street, and in Mount Road near Thousand Lights paracheri, 6-inch sewers were laid, with house connections, syphon boxes, and silt catcher buckets.

(2) The construction of 4-inch sewers in Sadayathamman Lane and Conjeevaram Pachayappa Mudali Street (13th Division) was under progress.

(3) Channelling and curbing for storm water in Shaik Maistri Street, Tondiarpet was completed at a cost of Rs. 2,125. New side drains in Choolai Bazaar Road, Puliyantope Road, Graems Road, Ramanaick Street and Valluvan Tholasingam Street were constructed. 35

91. The repairs done to drains and their cost are shown in Appendix I, Statement II-A. Part II.

Pumping Stations:—The Mechanical Engineer, Mr. Newland, was appointed Agricultural Engineer to Government and the maintenance of all Pumping Stations was transferred from the Special Works Department to the Works Department and taken charge of by the Engineer on 1st August 1916.

The cost of maintenance of the pumping stations, including supervision, was Rs. 1,97,462. Table 13, Appendix II shows the cost of pumping at the different pumping stations.

Sewer Cleaning :-- The following table shows the length of sewers cleaned, obstructions removed, etc., during the year:--

	Old Sewers. feet.	Tondiarpet Area New Sewers feet.
Length of sewers cleaned	699,404	1,350
No. of obstructions removed from sewers	3,883	31
No. of obstructions removed from syphons. Amount of silt removed from manholes	827	70
and separators	1,12,247	13,385

182 syphons in Sydenhams Road and Naval Hospital Road (12th Division) and 95 syphons in Venkatrangam Pillai Street and Venkatachala Naick Street (18th Division) were raised and provided with silt catcher buckets.

Water-supply (Ordinary).

92. (1) Kilpauk Pumping Station :—The cost of maintenance of this station, including establishment, amounted to Rs. 94,600 as against Rs. 87,010 last year. The increased cost is mainly due to the fact that more water was pumped in the year under review than in the previous year, 4,999 million gallons being pumped this year, as against 4,847 million gallons last year. The consumption of coal has been reduced from 6.01 lbs. to 5.04 lbs. per pump horse power hour, the economy being mainly effected by careful stoking.

It was proposed to pay the Superintendent of the pumping station a bonus depending on the savings he is able to effect. This was approved by the Corporation at their meeting held on 5th December 1916.

(2) Prevention of waste of water :- The report on water waste prevention was received from Mr. Hensman as a result of his deputation to Bombay. He made the following proposals for the detection and prevention of waste, which was estimated to be 33 per cent. of the total supply :--

(a) The strengthening and retention of the temporary staff employed at present for water waste detection.

(b) The necessity for testing the fittings and services in house installationsto ensure sound joints.

(c) The execution of minor repairs in private house connections departmentally to secure promptitude in effecting such repairs.

(d) The maintenance by the Corporation of the house connection from the street main up to and including the stop cock.

(e) The necessity for opening on a small scale a separate water works Workshop and Stores to avoid delay in obtaining the necessary articles from the General Stores.

(f) The introduction of meters in places where waste and misuse of water are suspected.

(g) The granting of house connections only to houses with rental assessments of Rs. 10 and above per mensem, and

(h) Refusal of any free allowance to buildings where water is consumed for other than strictly domestic purposes.

Of the above recommendations, items (a), (b), (d) and (f) are at present in force. As for item (g), the Corporation at their General Meeting held on 20th March 1917, have rejected the proposal. No action has been taken on the proposals embodied in the rest of the items.

(3) With regard to the scheme for training apprentices as Waterworks Overseers, two such apprentices were taken on during the year, and one is at present trained under a Waterworks Overseer, and the other at the Workshops.

(4) Private Service :--During the year, 486 new services were laid by licensed plumbers and 4,467 were repaired, cleaned, altered or extended. Of the 486 new services, 51 were first class connections and 435 were second class. The total number of house services in the city on 31st March 1917 was 28,704. There was an increase in the number of licensed plumbers during the year from 32 to 41. The amount of water charged for as having been used for nondomestic purposes was 197, 143, 576 gallons, and the amount collected during the year was Rs. 1,52,717.

(5) New Works :- The total expenditure was Rs. 9,621, Rs. 3,727 being spent on removing and cleaning 10,069 feet of pipes and on relaying 4,153 feet of new mains to replace old mains. (Table 14 Appendix II). 15 valves, 35 stop cocks, 3 hydrants, 4 pumps and 64 meters were also fixed.

At the beginning of the year, there were 1,384 public fountains, 79 cattle troughs, and 7 bathing fountains within the Municipal limits. During the year, 38 new fountains were fixed and 10 old fountains and 2 old cattle troughs were removed, leaving 1,412 fountains, 77 cattle troughs and 7 bathing fountains at the end of the year.

(6) Repairs.—On the 1st April 1916, the level of the Red Hills lake stood at 41.51 and on the 31st March 1917 at 41.86. The rainfall and the average water level for each month as furnished by the Public Works Department are shown in Table 18, Appendix II. The quantity of water supplied to the city measured at Red Hills during 1916–17 was 848, 983, 248 c.ft. as against 899, 476, 812 c.ft. in the previous year. The cost of maintaining the lake, filter beds, conduit, delivery channel, fountains, pipes and water waste detection staff, amounted to Rs. 70,430 as against Rs. 65,682 in the previous year. The excess is mainly due to half the pay of the Assistant Engineer employed in Water Works Construction Branch, being debited to this head.

Miscellaneous.

93. New Works :---Rs. 1,47,480 were provided in the Revised Estimate made up as follows :---

Revenue Account.	 Rs.	3,190
Government Grant	 ,,	1,44,290
Total	 Rs.	1,47,480

Of this Rs. 2,566 were spent during the year from Revenue Account. Of the unexpended balance of Rs. 1,44,914, Rs. 1,25,000 represents the grant provided for the acquistion of land for the new Sewage Farm which has since been transferred for meeting the expenditure on the special works, and out of the balance, Rs. 19,290 represents the amount provided for the acquistion of a portion of the Suparigunta Paracherry, which was not completed within the year. No important work was carried out during the year under this head.

Administration.

94. Notices :---4, 944 notices were served under the various sections of the Municipal Act, mainly those dealing with the misuse and waste of water, removal of encroachments, projections, etc. In 4,653 cases, the notices were complied with.

95. Permits:--3,115 building applications under Sections 268, and 278 of the Act were received during the year and in 2,776 cases permits were issued. The remainder were under correspondence and pending payment of license fees. The amount of license fees collected was Rs. 6,319. Permits for carrying out simple repairs were also issued in 1,682 cases.

96. Prosecutions :--- Magisterial proceedings were instituted in 149 cases. 75 convictions were secured and fines levied amounting to Rs. 215-8-0. The summonses were withdrawn in 65 cases due to compliance by the parties. In 7 cases, the parties could not be traced. Apart from these, 2 cases only remained undisposed of at the close of the year.

97. Provisional and final Orders:—In 892 cases, Provisional Orders under Section 287 (1 & 2) of the Municipal Act were issued and as the parties failed to comply in 598 cases, Final Orders were issued under Section 287 (3) of the Act.

10

Grant II-Education.

98. The progress made under elementary education during the year is given in the report of the Sub-Assistant Inspector of Schools, printed in Appendix III.

The expenditure under this head amounted to Rs. 39,416-7-11 against Rs. 32,301-6-6 in the previous year, the increase being due to the establishment of five new elementary schools at Vasapmode, Choolai, Triplicane High Road, Ammayappa Mudali street and Cemetery Road.

99. According to the scheme sanctioned in G.O. No. 820-M., dated 25th May 1911, 24 schools should have been constructed and 20 opened by the end of the year. 20 schools were actually completed and opened excluding the school at Chetput. (Please see paragraph 65 above.)

100. The total number of schools maintained by the Corporation at the end of the year was 21. There were 2,338 boys and 404 girls on the rolls of these schools on 31st March 1917, against 1,931 boys and 386 girls at the end of 1915-16. There were 124 teachers in the Corporation schools and most of them were professionally qualified. Those that were not qualified have been informed that they will not be cofirmed until they qualify themselves fully. The Kindergarten agency consisting of four Drawing and Kindergarten Instructors, two Gymnastic Instructors and one Supervisor for Drawing and Kindergarten employed for the benefit of all the elementary schools in the city was abolished by the Standing Committee at their meeting held on 5th May 1916. All the members of the agency, except one who was granted a compensation pension, were provided with appointments as teachers in Corporation schools.

Permission was granted to philanthropic associations and societies to conduct free night schools for the poor in nine of the Corporation school buildings, and a few of the teachers of the Corporation schools were also granted permission to be on the staff of those schools.

101. Nine teachers were under training during the year in the Government Training School, Saidapet, and one in the Government Training School, Triplicane. Under the Madras Education Rules, one teacher was paid a stipend to undergo a further course of training for three months in the Government Higher Elementary Training School, Saidapet. The total amount of stipends paid to these teachers was Rs. 1,190-4-2.

GRANT III-Sanitation and Medical Services.

Hospitals and Dispensaries.

102. Royapettah Hospital.—The expenditure on the maintenance of this hospital rose from Rs. 46,595-2-7 to Rs. 50,809-1-0, but was less than the Revised Estimate by Rs. 810-15-0. The increase was due to the increase in prices due to the war. The total number of inpatients and out-patients treated in this hospital was 2,594 and 62,844 as against 2,512 and 61,381 in the previous year.

103. Rajah Sir Ramaswami Mudaliyar Maternity Hospital.-The amount spent on this institution was Rs. 14,136-0-10 against Rs. 10,261-4-3 in the previous year and Rs. 14,080-0-0 in the Revised Estimate. The increase over the expenditure of last year was due to increase in prices and to increase in the number of patients treated. The number of inpatients treated was 1,842 against 1,229 and that of out patients 995 against 894 in the previous year.

104. Georgetown Dispensary—This dispensary was taken over by Government, with effect from 1st May 1916, subject to the condition that the Corporation pay to Government an annual contribution of Rs. 8,824. The Corporation paid during the year a contribution of Rs. 5,568-1-3 to Government after deducting the charges incurred from Corporation Funds since 1st May 1916 (G.O. No. 1272, Public, dated 3rd July 1916.)

105. Washermanpet Dispensary.—The maintenance of this institution cost Rs. 4,955-11-10 against Rs. 4,023-1-6 in the previous year. The increase when compared with the previous year was due to the increase in the number of patients treated. The number of patients treated rose from 19,136 to 23,007.

106. Bauliah Nayudu Dispensary.—The expenditure amounted to Rs.7.668-6-3 against Rs. 9,501-11-8 in the previous year and against Rs. 8,360-0-0 in the Revised Estimate. The number of patients treated was 47065 against 43,491 in the pervious year. The decrease in expenditure as compared with the previous year was due to the fact that the large quantity of European medicines purchased in 1915-16 was utilised during the year under report.

107. Chintadripet Dispensary.—The outlay on the maintenance of this Institution was Rs. 4,429-1-3 against Rs. 4,132-7-10 in the previous year and Rs. 4,200-0-0 in the Revised Estimate. The number of patients treated was 35,475 against 35,214 in the previous year. The increase in expenditure was due to the larger quantity of European medicines purchased and to the repairs to buildings carried out, during the year.

108. The reports of the Medical Officers in charge of the above hospitals and dispensaries appear in Appendix IV.

Contributions.

109. Hospitals.—The usual contribution of Rs. 20,000 for hospitals was paid to Provincial Funds during the year.

110. San Thome Dispensary.—The usual monthly contribution of Rs. 66-10-8 and the annual contribution of Rs. 800, were paid to this dispensary during the year. The number of patients treated fell from 10,474 to 10,341.

111. St. Thomas Convent Dispensary.—A monthly contribution of Rs. 20 was as usual paid to the dispensary. The number of patients treated fell from 9,687 to 9,315.

112. Victoria Caste and Gosha Hospital.—A contribution of Rs. 1,000 for each of the years 1915-16 and 1916-17 was paid during the year. The number of patients treated during 1916 was 12,790. 113. Sri Kanyaka Parameswari Devasthanam Ayurvedic Dispensary, Georgetown and Venkataramana Dispensary, Mylapore.—Contributions of Rs. 500 and Rs. 100, respectively, were paid to these two institutions during the year under report. The number of patients treated in the Sri Kanyaka Parameswari Devasthanam Dispensary was 31,717, and that in the Venkataramana Dispensary was 25,598, against 28,375 and 21,637, respectively, in the previous year.

114. Kalyani Hospital :--- A contribution of Rs. 600 for 1916-17 was paid to the Institution during the year.

115. The reports of the above institutions appear in Appendix IV.

116. Semblem Dispensary :- A sum of Rs. 780 was as usual paid to the District Board of Chingleput, being the molety of the charges for the upkeep of the dispensary.

117. Pasteur Institute of South India, Coonoor :- The annual contribution of Rs. 250 sanctioned in G. O. No. 14-M., dated 15th January 1909 was paid during the year.

118. Monegar Choultry and Native Infirmary:—The annual contribution of Rs. 1,500 sanctioned in G.O. No. 646-M., dated 22nd April 1909 was paid towards the maintenance of these institutions.

Watering Roads.

119. The cost incurred under this head, amounted to Rs. 19,277 as against Rs. 18,771 in the previous year.

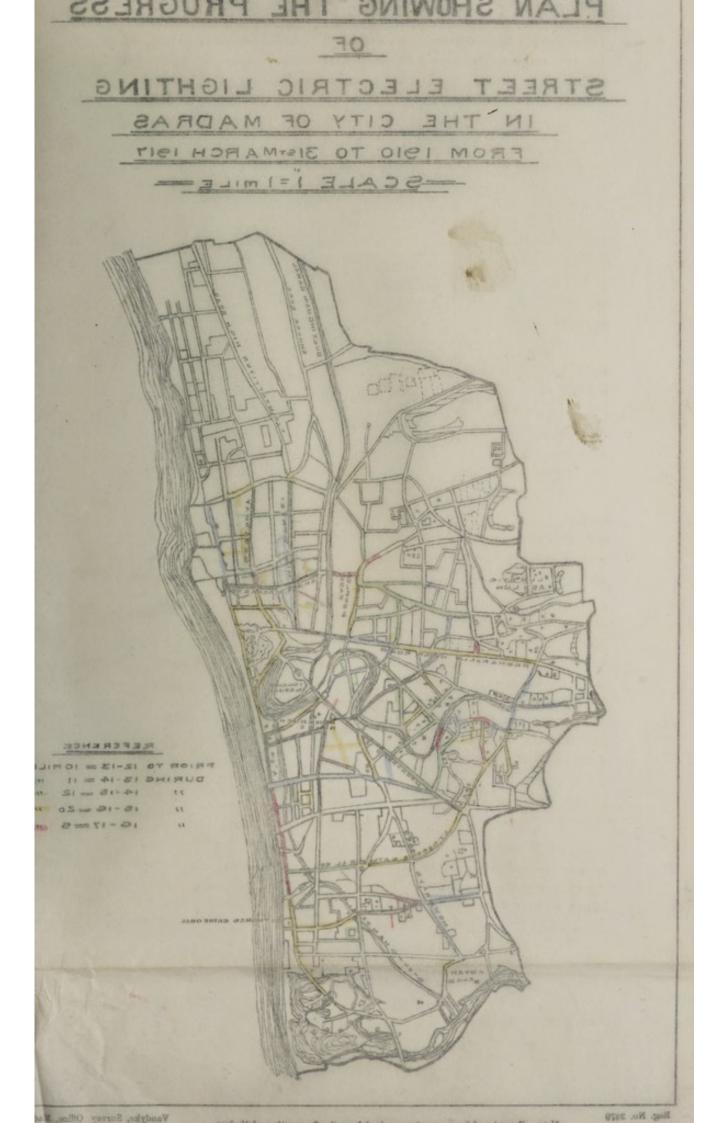
Watering the streets carrying heavy traffic being unsatisfactory and harmful to the road surface, it was proposed to reduce the number of streets watered and extend surface tarring. To alleviate the dust nuisance, proposals were made for the purchase of two sweeping machines and two mechanical sprinklers; these are now being made.

To avoid the cost of constructing the storage tank (estimated at Rs. 1,800) referred to in paragraph 113 of last year's report, a trial was made of taking water direct from the main through a 4-inch hydrant, constructed at a cost of Rs. 150, opposite to the Law College Police Station, for supplying the Tramway watering car with water. This was found to be satisfactory but as this single hydrant was found insufficient, two additional hydrants were proposed, one at Wall-Tax Road and the other at Narayanappa Naick 8th Street near the Custom House. The former was completed at a cost of Rs. 164 and the latter was under correspondence with the Tramway Company.

Grant 1V-Miscellaneous Municipal Purposes.

Lighting.

120. There were 4,672 kerosine oil lamps and 39 power lamps at the beginning of the year and of these 413 oil lamps and 37 power lamps were removed during the year, consequent on the extension of electric lighting. 115 new oil lamps were installed during the year, so that the total number at the end of the





year was 4,374 oil lamps and 2 power lamps. The amount of fines imposed on the lighting contractors on account of bad lighting, amounted to Rs. 1,928-10-0, as against Rs. 2,319-10-0 in the previous year.

Electric Lighting :— The plan facing this page shows the progress achieved in electric lighting since the year 1911-12. The length of roads and streets lit with electricity and the number of lights installed in each year are as follows :—

			Len, Light	Number Installed.		
1912-13				10	Miles.	452
1913-14				1	L ,,	224
1914-15				15	· ·,	385
1915-16				20) ,,	868
1916-17				5	,,,	277

Thus the total number of lights installed and lighted at the end of 1916-17 was 2,156, of which two lights in 1913-14, eight lights in 1915-16, and eight lights in 1916-17 were removed, leaving a balance of 2,138 electric lights on 31st March 1917; 58 miles of roads have so far been lit with electricity.

Besides the fixing and lighting of 277 lights during the year by laying 6 miles, 6 furlongs, 185 yards of cable, an additional length of 1 mile 2 furlongs, 65 yards of cables was also laid and 28 lamp posts were erected but not yet lighted.

The whole of the works carried out in the year under report were done by employing direct departmental labour with a view to secure economy and expedition. Table 21, Appendix II shows the roads and streets whereat the lights were fixed.

The annual expenditure on the maintenance of street lights was Rs. 67,905 against Rs. 97,156 last year. The amounts paid to the lighting contractors alone were as detailed below :---

				Rs.
Kerosine oil lamps		 		40,417
Power lights		 0 24		1,491
Electric lights		 		23,978
	1			
		Tota	al	05,886

The balance of Rs. 2,019 was spent on the departmental maintenance of these lights. The fall in expenditure from Rs. 97,156 to Rs. 67,905 is mainly due to the discontinuance of the lighting of practically half the oil lamps in the city for a considerable period during the year and also to the temporary discontinuance of lighting 146 electric lights in the roads along the sea front.

The lighting was inspected on an average 40 times during the year.

Avenues.

121. The numbering of all avenue trees in the city was completed during the year, there being 15,296 trees, including 1,087 trees planted during the year. 11 Of the total number, 798 trees were fruit-bearing and the rest ordinary avenue trees. 3,830 trees required to be watered during the year.

The expenditure under this head including the cost of supervision, amounted to Rs. 8,128 as against Rs. 8,157 in the previous year.

Public Parks.

122. People's Park :---(1) Receipts.---(a) The right to collect fees at the menagerie was leased for Rs. 710-15-11 per month or Rs. 8,531-15-0 per year against Rs. 607-15-11 per mensem in the previous year. The whole of this sum was collected during the year.

(b) The right of plying pleasure boats on the lake near the menagerie enclosure in the People's Park was leased as usual for three years from 1st April 1916 for Rs. 465 against Rs. 340 on the previous occasion.

(c) The right of reaping the produce of the productive trees in the People's Park was leased for two years from 1st April 1916 for Rs. 82.

(d) The right of keeping bazaar at the entrance to and inside the menagerie for the year ending 31st March 1917 was leased for Rs. 151 against Rs. 81 in the previous year :—

(2) Charges :- Food for the animals and birds in the menagerie enclosure was supplied at the following rates :--

Goat's meat	at	5 27 It	os. per	rupee.
Mutton	••	513	,.	
Beef	17	1012		
Kids	Re	. 0-1-0	each.	
Ducks		0-1-0	.,,	

Provisions were supplied at a cost of Rs. 440-11-4 per mensem approximately.

The total receipts of the Park including the Government grant of Rs. 2,000 rose from Rs. 11,164-8-6 to Rs. 12,520-11-0 and the expenditure fell from Rs. 29,280-3-7 to Rs. 28,059-3-7...

The decrease in expenditure is due to the savings under purchase of animals.

(3) The saleable value of the live-stock is Rs, 11,498-2-0.

(4) The following animals and birds were presented during the year :-

1 Crocodile.

1 Young lion.

2 Pea-hens.

1 Male jackal.

1 Spotted deer.

1 Rock snake.

2 Deer chinkara.

1 Leopard cub

13 Sea gulls.

(5) The following animals and birds were purchased during the year at a cost of Rs. 390-13-9.

1 Orang-outang.

1 Bear.

1 Kangaroo.

4 Pairs white guinea fowls.

2 Pairs hill squirrels.

2 Pairs hill partridge.

8 Pairs blossom headed parrots.

(6) 74 cows, 107 buffaloes and 1 goat were impounded during the year for grazing in the park.

123. Napier Park:--(1) The right of grazing cattle was leased for Rs. 90 for the year ending 31st March 1917.

(2) The right of reaping the produce of the productive trees was leased for Rs. 30 for the year ending 31st March 1917.

The total income from the park amounted to Rs. 286-5-11 while the maintenance cost the Corporation Rs. 1,425-12-11.

(3) 11 cows, 27 buffaloes and 11 goats were impounded for grazing in this park without permission.

124. Robinson Park :- The receipts and charges of this park amounted to Rs. 404-14-0 and Rs. 7,436-13-10, respectively, against Rs. 292-12-0 and Rs. 4,944-12-10 in the previous year. The increase in expenditure is due to the erection of two foliage sheds at a cost of Rs. 1,647 and purchase of barbed wire fencing for enclosing the park against trespass.

The park was placed under the charge of the License Officer with effect from the 15th November 1916 and for the short period of four and a half months much has been done towards its improvement. The foliage sheds erected during the year have been taken into use and filled with foliage and plants. Ornamental beds and walks have been laid out, and the change in the general appearance of the park is strikingly apparent. It is hoped, by next cold weather, to complete the improvements and make the park a really attractive and pleasant place of resort.

125. Loane Square :- This is very popular as a recreation ground. The cost of its maintenance was Rs. 1,731-3-2 against Rs. 1,360-10-4 in the preceding year.

The details of the receipts and charges of the above four parks appear in Appendix II Tables. 23 to 26.

126. The Band of the Madras Volunteer Guards played as usual twice a week on the Marina, four times a month in the People's Park, twice a month in the Robinson Park, 'four times a month in the Loane Square, and twice a month in the High Court compound.

127. In January 1917, the two old manual fire engines were removed from the Fire Brigade, consequent on the installation of Merryweather Motor Fire Engines, which were stationed at the newly completed Central Fire Station at Pudupet.

The cost of maintenance of the three motor fire engines, including the two manual fire engines up to January 1917, was Rs. 11,214 as against Rs. 12,086 in the previous year.

There were 39 fire calls during the year, compared with 16 in the previous year. In 12 cases, as against 7 last year, the engines were actually engaged in putting out the fires. The rest were all minor cases, for which the engines were not required.

Grant V-Supervision and Management.

128. The expenditure under this head amounted to Rs. 1,85,657-0-6 and was 5.74 per cent. of the total receipts of the year. The portion of this sum spent on the establishment maintained for the purpose of assessment and collections amounted to Rs. 92,796-0-7 or 2.86 per cent. of the total receipts.

Repayment of Debt.

129. The sinking fund account appertaining to the several loans of the Corporation, exclusive of the Government instalment loans of sixteen lakhs of rupees, opened with a balance of Rs. 24,52,700 in Government promissory notes and Madras Municipal debentures, with a minus cash balance secured by general revenues of Rs. 25,584-8-4. During the year under report an allotment of Rs. 1,02,840 was made to this fund from general revenues, and a sum of Rs. 33,341-10-5 was realised as interest on prior investments of the fund. The sum of Rs. 33,206-0-10 referred to in the previous year's report was adjusted from general revenues during the year. The total cash receipts of the year amounted to Rs. 1,43,803-2-11. Out of this sum Government promissory notes of the face value of Rs. 1,52,500 were purchased at a cost of Rs. 1,42,585, and out of the 31 per cent. Government promissory notes of the face value of Rs. 2,40,800 pledged with the Bank of Madras, Rs. 72,900 were replaced by 4 per cent. Government promissory notes of the face value of Rs. 70,000. The aggregate investments at the close of the year to the credit of this fund stood at Rs. 26,02,300in Government promissory notes and Madras Municipal debentures, with a cash balance of Rs. 1,218-2-11. Payments amounting to Rs. 92,039-3-2 were alsomade during the year towards the Government instalment loans. Out of these payments a sum of Rs. 38,845-12-10 was appropriated by the Accountant-General towards the repayment of loans and Rs. 53,223-6-4 towards interest.

Fefund of other than Current Collections.

130. The total amount refunded during the year was Rs. 22,123-9-6 against an estimate of Rs. 42,000. The details of the refund are given in Appendix I. Table No. 4.

II Account.

131. This account which exhibits the transactions relating to the Corporation Stores and Workshop, the payments made on account of the sinking fund for loans raised in the open market, the security deposits of the Corporation servants and contractors etc., opened with a balance of Rs. 14,44,455-13-2. The receipts during the year amounted to Rs. 14,63,553-3-6 and the expenditure to Rs. 13,42,540-2-0 leaving a balance of Rs. 15,65,468-14-8 at the close of the year.

Workshops.

132. The total value of works turned out in Workshop during the year was Rs. 1,04,712-6-5. (Table 27, Appendix II), against Rs. 1,28,197-5-8, last year.

The amount earned in the shape of supervision charges, etc., was Rs. 16,757-1-11 against Rs. 18,563-4-10 in 1915-16.

The expenditure on account of wages of maistries and contingent charges, amounted to Rs. 7,475-15-1 or 7.14 per cent. of the value of works turned out against 6.44 per cent. last year. The cost of establishment including allowances amounted to Rs. 11,744-1-10.

The total expenditure exceeded the receipts by Rs. 2,462-15-0, that is to say, the Workshop charges for work done were lower than they should have been.

CORPORATION OF MADRAS, 24th July, 1917. J. CHARTRES MOLONY,

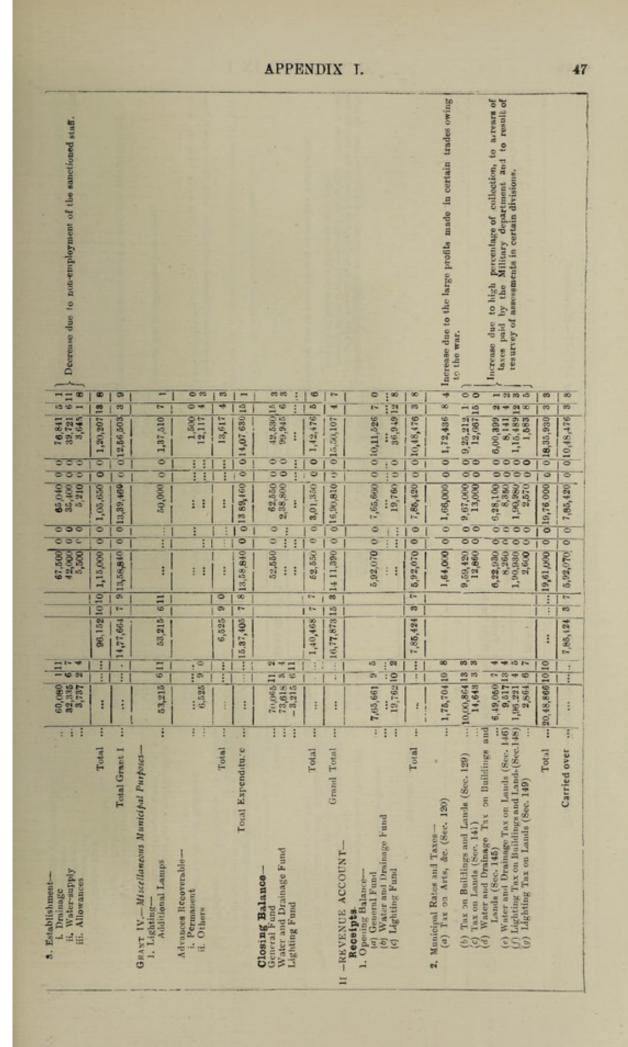
President.

Explanation of variations between the Actuals and	the Revised Estimate of 1916-17.	4				Increase due to additional investments					-	inst		Yide details of works, statement II-A.	
*			A. P.	10 8 33	14 3	6	0	11	:	12 7	12 7	:	4 7	6 93 10 3 10 3	8 1
Actual	1915-16.	9	Rs.	2,19,211 12 4,95,955 7 86,681 10	8,01,848 14	23,233	7,00,000	: 1		25,024 12	25,024 12		0 15,50,107	0 1,25,852 0 0 5,87,011 15 0 4,23,431 6	13.81.511 12 11 12.43.840 0 012,33,810 0 011,36,295
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Revised	1916-17.	10	R8.	42,530 99,950	1,42,480	2,500	1	0 014,00,000	0 0 14,00,000	19,000	20,000	1,25,830	0 16,90,810	30,810 4,80,700 7,22,300	12,33,810
	. 10L	-	A. P.	0 1 1	0 0	11	11	:0	0 0	11	:	:	0 0	000	0 0
Budget	Estimate for 1916-17.	4	R6. A	11,330 0	11,390	:	1	14,00,000	0 14,00,000		I		3 14,11,390	8,840 7,48,500 4,86,500	12.43.840
	of ads.		A. P.		5	14 9	:	1			11 8	6		111111	11 01
Actuals, 1916-17.	Totals of Major Heads	3	RS.		1,42,476	3,621 14	1	I	14,00,000 0		5,946	1,25,828 12	16,77,873 15		13.81 511
als, 1			A. P.	10 00 1 10 00 1	1	:	:			0 0		·	+	010	1
Actu	Details of Minor Heads.	63	RS.	12,530 15 29,945 6		:	1	4,00,000		1,500 0				23,294 5,52,228 8,05,989	
	-	-	-	111	11	pue	and 	.11	:	1 :	1	:	:		Total
	Items.	1	ICAPITAL ACCOUNT	Opening Balance- (a) General Fund (b) Water and Drainage Fund (c) Lighting Fund	Total	 Revenue derived from Municipal property and powers apart from taxation— (h) Interest on Investments 	Grants and Covernment- (a) From Government- i Improvement of Water-supply Drainage	 Extraordinary and Debt- (a) Loan (a) Loan (b) Them Government (c) In the market from private individuals (c) 14,00,000 (c) 11, 10, 10, 10, 10 	Total	Advances recovered	Total	Transferred from Revenue Account	Total Receipts	Expenditure. GRANT 1(Public Works) 1. New Works (b) Buildings (c) Drainage (d) Water-supply	

during the Official Year 1916-17.

APPENDIX I.

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Explanation of variations between the Actuals and the Revised Estimate of 1916-17.	1.5		Increase due to higher percentage of sollection than in pre- vious year, to large prepayment of taxes in the year for the domand of the current, year and to greater increase in the number of motor curs than was anticipated. Increase due to penal interest on orordue instalments.	5,304 10 6 1 Increase due to demand under these heads leting greater than 6,074 2 2 y was anticipated. 8,952 0 1 1 1,437 2 8 1 1,437 2 8 1 1,600 0 0 9 9,164 8 6	Increase due to the improvements wade to the farm resulting in a large area being brought under ha iali cultivation.
Actuals, 1915.16,	9	P. R.s. A. P. 0 0 10,48,476 3 8 0 18,35,930 3 3	0 75,694 211 0 35,435 9 1 0 32,167 8 9 0 45,519 7 6 0 20,24,646 15 6	5,30410 6 36,074 2 2 18,962 0 1 1,600 0 0 1,600 0 0	29212 0 38,209 2 9 11,109 2 0
Revised Estimate for 1916.17.	5	2010	0 73,000 0 0 33,000 0 0 34,000 0 0 31,000 0 0 31,000 0 0 31,000 0 0 4,3,500 0 0 0 4,000 0 0 4,000 0 0 0 0 0 0 0 0	5,200 0 0 3 34,400 0 0 3 19,000 0 0 1 5,200 0 0 1 1,000 0 0 1 1,000 0 0 1 1,000 0 0 0	80 0 0 300 0 0 2000 0 0 0 2000 0 0
Budget Estimate for 1916.17.	4	8.8. A. P. 8.8. 5,92,070 0 0 7,85,420 19,61,000 0 019,76,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,200 0 0 3 34,400 0 0 3 5,170 0 0 0 5,170 0 0 0 7,550 0 0	80 0 0 10,000 0 0 30 0 0 30 0 0
of leads,	3	IIS. 4. P. 7 5.	22,44,355 6 11 21,38,960		
Actuals, 1916-17. Details of Totals Miuor Heads, Major H	71	ns. A. F. 7.	84,075 13 1 35,787 6 5 32,049 0 5 43,576 8 2 43,576 8 2	5 356 4 6 38,742 7 0 19,339 3 2 2,920 7 6 2,522 3 9 1,600 0 0 10,520 11 0	286 511 40414 0 46,46314 4 26 8 0 1,362 1 5
Itemas	-	Brought forward	 (i) Tax on Vehicles with springs (Sec. 150) (i) Tax on Animals (Sec. 150) (j) Tax on Carts and other Vehicles withou springs (Sec. 158) (k) Talls on Vehicles and Animals entering Municipal Limits (Sec. 164) 	 Revenue derived from Municipal property and powers apart from Taxation— (a) i. Payment for Occupation of Municipal Lands (b) i. Sale-proceeds of Lands and Buildings … (b) i. Sale-proceeds of Lands and Buildings … (b) i. Sale-proceeds of Lands and Buildings … (c) i. Replandes, de., Gracing Rents … (d) i. Replandes, de., Gracing Rents … (e) i. Replandes, de., Gracing Rents … (f) People's Park … 	(2) Napler Park (3) Robinson Park (4) Office Lawn (5) Office Lawn vi. Bale-proceeds of oid materials

STATEVENT I.-Receeipts of the Corporation of Madras during the Official Year 1916-17-(0

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APPEND 1X I

		APPEN	DIX 1.		4
 Increase due to larger sale of rubbish and to supply of scavengers to more private parties. 		Increase due to larger import of timber by sea during the year The increase is spread over soveral licensable items	This is a fluctuating from.		
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 (a) Bala of Rubbish Private Scavenging (a) Hospital Receipts (b) i. Income from Markets (Sec. 337)- (c) i. Income from Markets 		Firewood (Sec. 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	(g) Fines under Municipal and other Acts- i. Municipal ii. Police ii. Police (h) Interest on Investments- Medical (c) Premium on Loans (i) Premium on Loans	 Grants and Contributions- (a) From Government	Carried over

APPENDIX I.

Explanation of variations between the Actuals and	the Revised Estimate of 1916-17.	4			Sanctioned in G. O. No 163 M. Mis., dated 1st February 1917.		Increase due to fixing of meters in houses where cousumption of water was found to be too great.	This is a fluctuating item. Do	Do.					-	duting the year.
als,	.16.		A.P.		3 4 1 0 0 1 0 0	100		5 + 60	0 1		10 10 10	46,110 10 11	44	8	2 6 9
Actuals,	1915-	9	88. 95.75.909	40,350	10,381 0 10,223 0	60,957	1,34,482 7,500	7,444	28,238	1,96,804	46,11	46,11	84 28,654	28,738	039,08,512
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Revised	1916-17.	5	P. RS. A.	40,130	111	40,130	Ē	3,000	5,000	1,82,950	47,300	47,300	40,000	40,060	
	ĕ .					0	000	00	0:	0 0	0 0	0 0	0	0	0
Budget	1916-17.	4	R8.	40,130	111	40,130	1,50,000 15,090 150	20,000	10,000	1,96,150	47,200	47,200	31,000	31,000	34,92,510
	of states	-	A. P.			10				1 4	11 7	11 7		13 1	10 0
1916.17.	Totals of Major Heads	00	R8.	000112100		1,38,126				2,08,613	47,731	47,731 11		36, 386 13	40,22,143 10 034,92,510 0 037,44,550
Actuals, 1			A. P.		0	1 1 1		2 11 8	14 4 15 7				11 9	+	·
Acts	Details of Minor Heads	63	88.	40,126		-1	1,1	5,973 16,757 120	3,015 15			1	85 11 35,961 1		
		-	1		e : : :		nestic 		11		t on		11		:
	Items.	1	Brought forward	4. Grants and Contributions-Continued,	 (7) For acquisition of lands for Washermen Settlement (8) For improvements to Kelly's drain (9) For Sanitary works 	5. Miscellaneous-	 (a) Payment for water for non-domestic purposes (b) Sundry Receipts-Water-works (c) Vaccination fees 	 (d) Refund from expenditure of previous years (a) Workshop receipts (f) Suspense 	(g) Other Items(a) Malaria Receipts	Total Veterordinary and Dott-	(a) Realization of Sinking FundInterest Water-works Loan of 18807-3	Total	i. Permanent ii. Others	Total	Total Receipts

STATEMENT I.-Receipts and Expenditure of the Corporation of Madras during the Official Year 1916-17-(Continued).

.50

		Do.	Savings on account of non-employment of the sauctioned num- ber of drivers and to payment of lower pay than the sauctioned one for some of the drivers of the pumping stations.	Vide details of works, statement II-A. Savings on account of leas travelling allowance poid to officers on duty at Red Hills.		Decrease due to savings from leave allowances provided for the	ease due to non-payment of cycle allowance to reserv, etc., on leave.	ease due to non-employment of a driver in place entee on war duty.		becrease due to provision for railsaw and other tools in estimate not utilized owing to difficulty of getting them.	rings due to economy.		
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	1,56,159 6 7 2,90,530 0 0 2,32,310 0 0 1,72,778 8	Total J.,56,139 6 7 2,90,530 0 0 2,32,340 0 0 1,72,778 8 animications 3,09,635 6 4 3,82,400 0 0 4,02,420 0 0 3,89,652 13	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	

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	Explanation of variations between the Actuals and the Rovised Estimate of 1916.17.	The second			Decrease due to provision made in the revised estimate for the appeal in the bine metal case not having been fully spent owing to non-disposal of the appeal. Saving a due to economy	· Common or any			Savings due to opening of new schools late in the year.		Claim not preferred within the year.			 11,349 12 11 12 13 14 15 16 16 17 18 18 19 10 11 11 11 11 12 12 12 13 14 14 15 15 16 17 16 17 18 18 19 10 10 11 10 12 12 13 14 14 15 15 15 15 16 17 16 17 18 19 10 11 10 11 12 13 14 14 14 14 14 14 15 15 15 16 17 16 17 18 19 10 10 10 10 10 10 11 14 15 14 <
	Actants, 1915.16,	9	RS. A. P.	12,28,215 15	8,628 3 2 64118 9 64118 9 1,151 811 2,227 1 6 1,087 3 1	1,330 15 2	15,066 13 7	0 12,43,282 12 7	19,531 3 3 540 5 8 9,719 12 0 840 1 8	30,631 6 7	1,169 15 11 500 0 0	1,669 15 11	32,301 6 6	11,319 12 11 150 0 0 25,468 9 2 9,626 12 6
Revised	Estimate for 1916-17.	10	RS. A. P.	14,00,690 1	8.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,400 0 0 50 0 0	39,050 0 0	0 14,33,740 0 013	25,950 0 0 20,120 0 0 1,180 0 0	47,550 0 0	1,200 0 0	1,450 0 0	49,000 0 0	11,990 0 0 180 0 0 28,950 0 0 10,500 0 0
Budget	Estimate for 1916.17,	4	RS. A. P.	3 14,96,050 1	2,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,000 0 0 100 0 0	17,700 0 0	2 15,13,750 0 0 1	28,000 0 0 510 0 0 16,500 0 0 1,320 0 0	46,360 0 0	1,200 0 0 250 0 0	1,450 0 0	47,810 0 0	12,890 0 0 240 0 0 25,070 0 0 10,000 0 0
1916.17.	Totals of Major Honds.	3	RS. A. P.	11,59,834 6 31			29,136 12 11	11,88,971 8 21		38,226 3 9		1,190 4 2	39,416 7 11	
Actuals, 1916-17.	Details of Minor Heads.	2	RS, A P.		6,565 5 3 17,979 15 3 297 5 9 1,763 6 7 1,649 6 5	880 15 11 0 5 9	1		24,549 4 2 305 3 2 12,263 15 10 1,105 12 7		1,190 4 2		: : :	11,610 8 5 180 0 0 28,633 9 8 10,324 1411
Actuals, 1916-17. Budget Revised	C Support	1		GRANT I (Concluded).	 Miscellanseous-iContinued. Law Charges and Stamp Duties (d) Law Charges and Stamp Duties (f) Office Furniture (f) Contingent (g) Water-works Contingent (h) Labour-Pankah 	(v) UNNERING FOR FROMS AND Hadges for Road Coolies	Total	GRANT II(Education)- Total, Grant I	1. Municipal Schools- (a) Establishment (b) Allowances (c) Othor Expenses (d) Labour	2. Miscellaneous-	 (a) Teachers' Training Grants (b) Contributions to Madrau Teachers' Guild 	Total	100	1. Hospitals and Dispensaries- Regrepental Hospital- (a) Fatablishment (b) Allowances (c) Medicines and Supplies (d) Diets of Patients

STATEMENT II.-Expenditure of the Corporation of Madras during the Official Year 1916-17-(0

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		APPENDIX L		53
The dispensary was taken over by Government. Decrease due to employment of a 4th grade Sub-Assistant Surgeon instead of 2nd grade. Savings	Do.		The exact amount of contribution was not decided when the estimate was framed as the dispensary was taken over by Government in the middle of the year. The excess was due to adjustment of stores bills relating	
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 ii. George Town Dispensary- (a) Establishment (b) Allowances (c) Medicines and supplies (c) Medicines and supplies iii. Baliah Naidu Dispensary- (c) Medicines and supplies (b) Allowances (c) Medicines and supplies (i) Establishment (b) Medicines and supplies (c) Medicines and supplies 	Hospital	Total . n to Provincial Funds- n for St. Thomé Dispensary Convent Dispensary Victoria Caste and Gosha Hospital Renbium Dispensary Sembium Dispensary Monegar Choultry and Native Infirmary Pasteur Institute of South Kalvani Hosnital	ination- Establi Allowa Conting	Total Carried over

Explanation of variations between the Actuals and	the Revised Estimate of 1916-17.	P		Decrease due to non-payment of bills for supply of stationery and printing in the year.	E	Savings due to shortage of labor and to absence and fines of coolies.	Increase due to construction of an incinerator in hospital plain and to repairs of small incinerators not anticipated in the estimate.		Devenge due to shortage of tabor. Decrease due to shortage of labor. Decrease due to introduction of motor lorries and to the cost of their reactions having heavy delicted to continent-Gamman.	
Actuals.	1915-16.	9	P. 1.2.1,556 10 5	16,226 1 2 80 0 0 2,267 4 0 18,573 5 2	65,690 9 10 3,398 12 11 48,037 7 7 2,406 11 2	4,900 5 4 220 0 0 63,855 7 8	1,060 11 7 20,970 0 6 1,564 11 8 1,564 11 8			9,721 0 4 19564 10 6 11,955 1 9 7,857 2 6
Revised	1916-17.	2	P. 14,58,740 0 011,58,740 0 011,58,740 0	16,880 0 0 0 2,300 0 0 19,180 0 0	61,000 0 0 3,240 0 0 56,100 0 0 2,300 0 0	4,940 0 0 440 0 0 1,55,500 0 0	1,100 0 0 2°,000 0 0 1,560 0 0 13.100 0 0	0 0 0	2,490 0 0 15,000 0 0	9,500 0 0 19,200 0 0 23,730 0 0
Brdget	1916.17.	4	$\begin{array}{c} r_{1}\\ 1\\ 15,61,560\\ 7\\ 1,27,120\\ \end{array} \begin{array}{c} \lambda_{1}\\ 0\\ 0\\ 0\\ \end{array}$	15,900 0 0 0 2,300 0 0 18,200 0 0	62,400 0 0 8,900 0 0 59,630 0 0 2,680 0 0	5,000 0 0 440 0 0 1,93,840 0 0	1,100 0 0 30,500 0 0 1,560 0 0 13,550 0 0		0000	6,000 0 0 20,440 0 0 11,550 0 0 67,000 0 0
916-17.	Totals of Major Heads.	89	$\frac{12,28,387}{1,34,539}\frac{A}{3}\frac{P}{7}$	18,703 13 0		_			-	
Actuals, 1916-17	Details of Minor Heads.	54	R8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2,143 910	111 3 114 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,875 5 3 240 0 0 1,48,651 0 5	1,028 0 0 21,041 3 8 1,491 11 10 14 975 12 5		263 0 0 2,137 15 3 6,174 13 4	19,414 0 0 17,806 5 7 26,622 13 7 56.837 12 4
	Items	1	Brought forward Guntinued).	 Allowingencies (a) Scalabilishment (b) Contingencies Total 	 Conservancy— Conservancy—		(e) Incincrator- Establishment Labor (f) Night-soil Depôts and Shoots-	Latrines unce of Grass Farm— ishment	 (i) Rent of Lorry Stations and Cart Depôts (j) Burial and Burning Grounds—Labor (k) Repair of Carts, Boats and Buckets 	(i) ContingentGeneral (w) Epidemic Charges Plague Cholera and Small-pox

								AFFE	ND	14								5
Savings on account of watering roads by the Tramway Com-	Increase due to manufacture of more carts for conservancy					Savinga.		Decruase due to non-employment of the sanctioned number of	ntiers, etc. Decrease due to naintenance of number of oil and power lights in the rear and to non-lighting of elected lights in the	Decrease due to non receipt of cables, posts, etc., for the exten-	rou or coccuto againing. Increase due to certain items of expenditure having been	charged to this head instead of to additional lamps.				Increase due to overhauling motor meat van No.1 and to	aujustment of storis bills relating to 1910-15.	
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sad Watering Establishment Labor	(e) Tools and Plant		Miscellaneous- (a) Stationery (b) Printing Charges	Advertising Unarges Law Charges and Sti Office Furniture	Clothing, Badges and Belts Extra Staff			.— Mascellaneo chting— Establishment Allowance Labor	Maintenance	Additional Lamps and Sundrics	Repairs to Lamps and Posts		Markets and Slaughter-houses (a) Smithfield Market Establishment Labor and Contingencies	Moore Market	ughter houses			
Ro	Too		Sta Pri	Lav			-	chting- chting- Establi Allowa Labor	nin	ddi	eba		Sm	Mo	Sla			
(a) Koad Watering Establishment Labor	(0)		()))	000			-	Lighting- Establ Allowa Labor	N	Y	R		Markets and Slaughter-houses- (a) Smithfield Market Establishment Labor and Contingencies	E	(c) Slaughter houses- Establishment Labor and Couti Allowances			
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Explanation of variations between the Actuals and	the Revised Estimate of 1916-17.				Savings on account of non-employment of the sanctioned num- ber of coolies.		Savings due to provision for purchase of animals and birds not being fully utilised.						00	Decrease due to non-arrival of Rob Roy hose for which provi-
ds,	16.		A. P.	121	4 2 0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8	9 7 4 9 14 5 0 13 10	000	8 9 9	60 0 0	8 6 3	1 10	15 13 0 0 8 11 0 0 0	-
Actuals,	1915-16.	9	88.	0 20,13,349	850 470 6,623 312	8,156	4,519 7 24,759 14 0 13 1	572 120 700	1,026 3,918	1,30	36,978	20,914	4,025 7,760 300	37,368
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Revised	Estimate for 1916-17.	10	RS. A	021,52,800 0	630 7,300 500	8,910	4,670 20 24,250	560 720 10	1,030 6,480 30	1,710	39,750	20,600	4,400 8,000 400	4,000
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Budget	batimate for 1916-17,	+	8.8. 1.4	7 22,86 390		10,340	4,410 22,850 22,850	520 120 150	1,000 6,650	1,670	38,080	20,600	5,590 13,780 300	2,030
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Actuals, 1916-17.	Totals of Major Heads	Major Hea	R8. A.	19,10,113 11 1,37,581 12		8,128					38,653	20,533		
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Actus	Details of Minor Head	Minor Hea	R8. A.	100	831		4,658 4 1112 23,318 2 38 0	561 14 724 724 791 791	1,022 6,414	1,671	1	-	4,372 5 6,491 9 349 11	3,710 15
	'ii			Brought forward	111	Total		1111	111	1 1 1	Total	1	111	
	Itens.	-		GRANT IV (Concluded).	3. Avenues- Establishment Allowance Labor Tools and Plant		 Public Parks- (a) People's Park- Establishment	(b) Naper Park- Establishment Allowances Labor, &c. Tools and Plant	(c) Rohinson Park- Establishment Labor, &o Tools and Plant	 (d) Loane Square- Allowances Labor, &c. Tools and Plant 		5. Surrey of Land		Tools and Plant

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												E			1.									57
Savinga. Increase due to greater consumption of water in the year.	Increase due to payment of remuneration to dog catchers and	to feeding charges owing to greater number of dogs caught in the latter part of the year.	· Savluga.		spice and the present of such as the second se	Savings. Do.		Increase due to under-ertimate.	Savings.		Savinga			and the second second second and the second se	the state of subscription and second problem in the	frecrease due to payment of half wages to workmen on war duty.						the product former transfer with the state of the state o		and the distance of the second s
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31,8	4,0			01		1,0		_		11,	1-00	5	01											
(a) Esphanades (b) Quit-rent (c) Payment for Red Hills water	(a) Accentates for destruction of Dogs and Venom- ous Snakes	1		(J) Law Gharges- Establishment	Stamp, &c., Charges	(h) The Techer	2.50	Establishment Contingencies-	Coolies for Stock-taking Stationery, Clothing, &c. (i) Workshons-		Labor and Contingent	~	Maintenance	(g) Loss on Municipal Stores		(r) Other Items	Total	Total, Grant IV	(i RANT V(Supervision and Management)	 (a) Salaries of Officers (b) Allowances 		Total		Carried over

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_	 Explanation of variations between the Actuals and the Revised Estimate of 1916.17. 		A. P. 12 4				-	15 4 0 0 1 1 1 1 1 1 Decrement due to reconcered of Architer to control occurrent	101		2 8 10 9 Saviana	00		16	1311 0 0 211	± 0	
1 and 1	1915196	9	0 23,75,215 12	32,112		64	-		33	80,962 12 5 909 5			255 9 6 4,587 10 11	435	6,300 1 170 376	1,05,305	1.71 098
Revised	Estimate for 1916.17.	22	25,69,600 0 0	32,090 0 0				1,450 0 0 120 0 0 120 0 0 410 0 0	0	81,200 0 0 # 500 0 0	000				6,000 C 0 300 C 0 300 0 0	1,25,170 0 0	0 1.90.700 0 0
	Estimate for 1916-17.	4	22,33 287 1311 26,29,280 A. P. 025,60,600 0	31,680 0 0		25,300 0 0 1,200 0 0	000	1,450 0 0 130 0 0 410 0 0	32	80,000 0 0 6.690 0 0		00	000	00	6,000 0 0 300 0 0 300 0 0	1,22,250 0 0	6 1.86,160 0 0
1916-17.	Totals of Major Heads,	65	22,33 287 13 11	31,968 6 3					32,308 1 5	-						1,21,380 810	1.85.657 0 6
Actuals,	Details of Mipor Heads.	01	RS. A. F.			25,857 13 9 1,404 15 8 1,361 6 0		1,443 1 9 1,443 1 9 120 0 0 229 1 4		82,306 2 11 5.429 11 9		101	4,653 511 4,653 511	0 +0 -			
	Items:		Brought forward	GRANT V(Concluded).	2. Head Office-	(a) Establishment Allowance		(c) Office Furniture (f) Contingent (g) Labor (h) Clothing for Peons	3. Assessment and Collection-	(c) Establishment Allowances	Stationery Printing Charges		(1) Once Furnitare (2) Contingent (3) Labor		(i) Numbering Doors and Carts	Total	Total, Grant V

STATEMENT II.- Expenditure of the Corporation of Madras during the Official year 1916-17-(Continued)

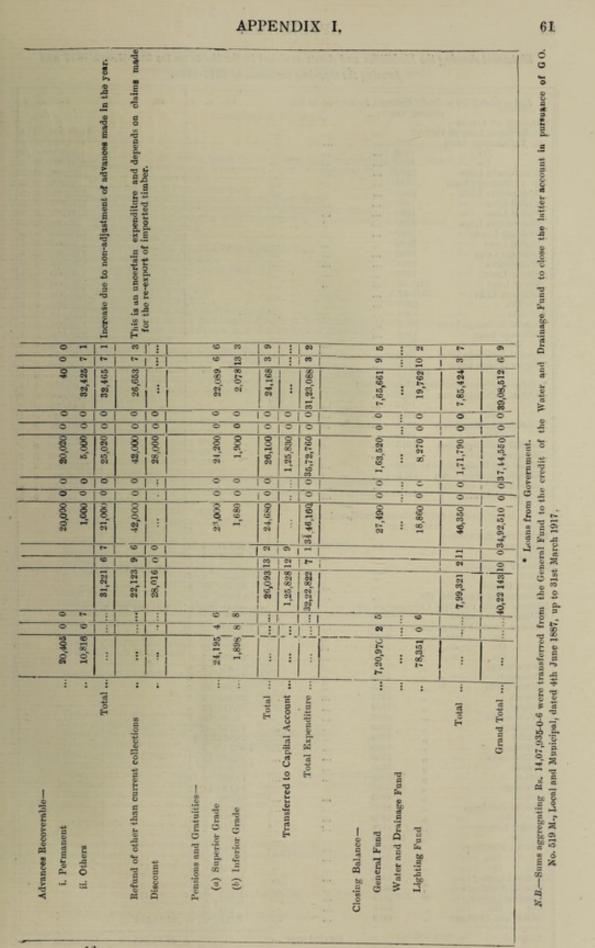
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				API	PENDI	x 1.				59
						•			Increase due to payment to the Bank on account of depreciation of 21 non-cont. Generanment Securities of the Georgelown	ainage Loan o nk for repayne
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28,600	2,860 820 1,200	1,200 170 400 3,050	750 1,520 3,190	1,140 5,930 1,140 7,60	910 1,530 3,800 17,707	2,100 8,992 8,920 2,100	8,642 1,010 1,995 6,300	7,180 4,160 3,540 1,040 2,700		0 26,82,071 10
0	0 00	0000	0000	0000	0000	0000	0000	0000000	1000	0 0
0 0	0 00	200 0 170 0 400 0	750 0 520 0 380 0 190 0		910 0 520 0 800 0	00000	0000	0000000		
28,600	63,890 820 1,200	r 6	-	1,140 5,930 1,140 760	-i e, e,	2,100 9,360 8,920 2,100	8,990 1,040 2,070 6,300	7,180 4,160 3,540 1,040 2,700 6,760	0,0	0 29,65,870
0 0	0 00	0000	0000	0000	0000	0000	0000	00000 :	: 0	0
28,600	72,240 820 1,200	1,200 170 400 3,050	750 1,520 380 3,190	1,140 5,930 1,140 760	910 1,520 3,800 18,420	2,100 9,360 8,920 2,100	8,990 1,040 2,670 6,300	7,180 4,160 3,540 1,040 2,700	2,06,640	1 30,22,010
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									2,15	26,33
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28,600	73,348 820 1,200	1,200 170 400 3,050	750 1,520 3,190	1,140 5,930 1,140 760	910 1.520 3.800 18,422	2,100 9,355 8,920 2,100	8,992 1 1,040 0 2,075 10 6,300 0	7,180 4,160 3,540 1,040 8,760 6,760		
14,30,000	$\left\{\begin{smallmatrix} 18,000\\ 2,82,000\\ 1,00,000\\ 1,50,000\\ \ldots \end{smallmatrix}\right\}$	1,50,000 20,000 50,000 4,00,000	1,00,000 2,00,000 1,20,000	1,50,000 7,80,000 1,50,000	$\begin{array}{c} 1,20,000\ldots \\ 2,00,000\ldots \\ 5,00,000\ldots \\ 7,00,000\ldots \end{array}$	1,00,300 4,00,000 4 25,000 1,00,000	4,07,000 60,000 3,00,000	3,42,000 2,00,000 50,000 1,30,000 1,30,000	Total	Carried over
	1885 1887 1888	1889 1880 1800 1895	1897 1899 1899 1899	1899 1900 1900	1901-1902 1901-1902 1903 1903	19061 19061 19061	1910-1910 11910-1911 1191 1912	1913 1914 1916 1915 1915	1916	Carr
Sin ring Fund- • W. W. Loan, 1869-73	G. T. Drainage Loan, Do. do. Do. do.	Do. do. Water-works Loan, G. T. Drainage Loan, Water-works Loan,	Market Loan, Plague Loan, Water-works Loan, Drainage Loan,	Market Loan, Drainage Loan, Water-works Loan, Plague Loan,	Sewer Loan, Drainage Loan, Fo.	Special Fuldings Loan, Drainaga Loan. Special Buildings Loan, Napier Bridge Loan,	 Drainage Loan. Napier Bridge Loan. Drainage Loan. Special Baildings Loan. 	Do. Do. Do. Electric Lighting Loan, Water and Drainage Loan	Electric Lighting Loan	

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Ev							+									-						-	-	-				
		T	A. P.	10 0	0 0	0 0	0 0	00	00	00	0 0	00	00	0 0	0	00	0 0	1	14 7 0	0.			50	0 0	:0	0 0		-
tim	1915-16.	9		1110	57,200	17,610	6,000	7,500	1,000	5,820	4,000	2,000	6,160	31,126 6.000	4,200	8,520	20,000 0	3,920	14,02714	4,000	2,000	3,768 15	3,730	8,140 0	2,000	4,680		
A	19	1	R8.	026,82,071	10	17	01	- 1-		12 1	4 3	0 94 9	16 16	31	-	÷ 00	20	100	14		- 01	0 2	13	80 4	2 64	40	11	
	a.	-	4	0 0	10	:		00		50	00		000	0 0		00	0 0		000		0 0	000		000	1	000		
Revised	ate f	10			57,200	:		7,500			4,000		6,050				20,000							8,040		5,720 7 840		
Rev	Estimate for 1916-17,		R8.	0,29,65,870		:				7	0 40	-	0 6,0	0 32,		800	0 20,	-	0 18,		0 0	12	13,	000	5.05	10 10		
	Ŀ.		A. P.	0 0	0 0		000	50	00	50	00	000	00	00	000	00	00	0	00	00	50	00		00	50	0		1
Budget	Estimate for 1916-17.	4	B 8.	30,22,080	57,200	:	6,000	7,500	1,000	16,000	4,000 8,000	2,000	6,000	81,200	4,000	8,000	20,000	4,000	17,000	4,000	2,000	3,680	13,680	8,000	2,000	5,200	: :	
		-	- A	-	1		_			_	_							_		_	_	_	_	_		_		
	ls of Head	_	*	78 12	1	_	-	-						*			-	-			-	_	_	-				
1916-17	Totals of Major Heads	00	R8.	26,33,978																								
			A. P.	1	0	1		00	0 0	000	00			00		00	010		0 0	0	1	0 0		00		0 2	0 6	
Actuals,	Details of Minor Heads.	64			57,200 0		6,000	7,500	1.000	16,050	4,000	2,000	6,010	31,116	4,000	7,540	20.000	4,400	17,024 0	4,000	2,000	3.078	18,770	8,000	2,000	5,470 0 7,845 13	673	
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	19	-			:		1	: :	1	1 1	-	1	11	1	1	::	:	11	1 :	i	11	11	11	1 1	1	1	111	1
				Brought forward			88	88	88	8	88	88	88	8.8	000	88	000	00	88	000'00'	20,000	000	000	88	60.000	000	000	
				t for	14,30,000	2,82,000	000'00'1	1,50,000	20,000	1,000,000	2.00,000	50,000	50,000	7,80,000	1,00,000	2,00,000	5,00,000	1,00,000	4,00,000	1,00,000	50.	3.00,000	3,42,000	2,00,000	20	2,14,680	3,00,000	
				hguo						2.10				0.0	29	2 22	~	-	88	20	=	= 23				0 19	-	
						1885	-	1880	1880	1895	1897	1809	1899	1900	1900	2061-1061	1903	n,190	n, 190	1909	910-	1911 D.1912	1913	1915		1915	1916	
	*				9-73	,0810,				í.		'n,		an.	-	196		s Loa	Loa	enn,	ar,]	s Lon			L.Oan	Los	inage	
	Items	-			, 186	do.	do.	do.	of I of	-		is Lot	, 'u	can,	ť.	oan,		ding	ding,	ge Lo	to Le	an, ding	0		uting	ment	Dra	0
					Loan	Think			W. W. Loan, G. T. Desinase	W. W. Loan,	Market Loan, Plague Loan,	Water-works Loan,	Market Loan,	Drainage Loan, Water-works Loan,	Plague Loan,	Drainage Loan,	Do.	Special Buildings Loan, 1907	Special Buildings Loan, 1909	Napier Bridge Loan,	Napier Bridge Loar, 1910-11	Drainage Loan, 1911 Special Buildings Loan, 1912	Do	Do.	Electric Lighting Loan,	Do.	Water and Drainage Electric Lighting	
					W.	Do. Do.	Do.	Do.	W. L	M	arke	ater	arket	ator-	ague	raina		pecial	ecial	pier	pier	ecial			petric	R	Vater	-
					4 °/o W. W. Loan, 1869-73	0 C.			N. C	M o	PIN	MC	N	M	Ed	A											5 °/° W	
					Therest	0.9	:0		:	4 °/°	. :		: :	= :		1 -	: :		•	=						= :	10	

STATEMENT II.-Expenditure of the Corporation of Madras during the Official year 1916-17-(Concluded).

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Statement showing the	e Liabilities and	Assets as closed	i in the Books of	the 31st March	1917 and
	forming the	Opening Balan	aces of 1917-191	8.	

List of Liabilities or		s transferred to th		RS.	A. P.	RS.	. Р.	RS. A. P.
	msuing year-							
"Waterworks Loan of 1	869-73 .				1.1			14,30,000 0 0
G. T. Drainage Loan	1887				_			1,00,000 0 0
Do,	1888 .					-		1,50,000 0 0
Do.	1889 .							1,50.000 0 0
Waterworks Loan	1889 .							20,000 0 0
G T. Drainage Loan	1890 .							50,000 0 0
Waterwork+ Loan	1895 .							4,00,000 0 0
Market Loan	1000		-			1		1,00,000 0 0
Plague Loan Waterworks Loan	1000					1 2 2 2 2		2,00,000 0 0 0 50,000 0 0
Drainage Loan	1000		-					50,000 0 0 0 4,20,000 0 0
Market Loan	1000					and and		1,50,000 0 0
Drainage Loan	1000					1000		7,80,000 0 0
Waterworks	1003					and the second s		1,50,000 0 0
Plague Loan	1900							1,00,000 0 0
Sewer Loan	1001 00					-		1,20,000 0 0
Drainage Lcan	1001.00							2,00,000 0 0
Do.	1903 .					-		5,00,000 0 0
• Do.	1905 .					-		5,32,449 12 5
Special Buildings Loan						1		1,00,000 0 0
*Drainage Loan							-	3,34,576 1 7
• Do.	1909 .							3,43,931 7 6
Special Buildings Loan		• •••			1	San Providence in the		4,25,000 0 0
Napier Bridge Loan	1010.11							1,00,000 0 0.
Do.								50,000 0 0
*Water-supply and Drai	1010					1. 1. 1.		90,397 1 5
Special Buildings Loan	1019		••••			1		3,00,000 0 0
Do.	2021							3,42,000 0 0
Do. Electric Lighting Log	. 10.44							2,00,000 0 0
Electric Lighting Loa Do.	1015							50,000 0 0
Special Buildings Loa								1,30,000 0 0
Repayment Loan	1015					1.1.1.1.1.1		1,70,000 0 0 1,56,740 0 2
Water and Drainage 1			-					
Electric Lighting Loa						and the second second		13,00,000 0 0 0 1,00,000 0 0
Deposits to be adjusted						ALC: NOT THE REAL PROPERTY OF		3,51,650 11 9,
Unpaid Liabilities								49,500 0 0
	antimer -							10,000 0 0
List of Assets or I	bebit Balances	transferred to the						TO PARTY I LAND
	nsuing year-	,				State State		A STATE STATE
MUNICIPAL BALANCE-		4	1			and the second second		A CONTRACTOR
Revenue				7,99,321	2 11	and the second		
Loan				1,40,468	7 7	Service of		and the second second
DEPOSIT BALANCE-					-	9,39,789	10 6	
Cash				99,534	1 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Fixed Deposit					10 5	S		
Government Securities				1,62,900	0 0			The state of the second
SINKING FUND FOR TH				10.00 700	0 0	3,51,650	11 9	The second second
*Waterworks Loan of George Town Drainad	1869-7			13,89,700	0 0			Caller Hand
George Town Drainag Do. do.		7		2,37,900	0 0			and the second second
Do. do. Do. do.	n 188	10		39,408	10 8	1		the second s
Do. do.	. 18	0		53,474	15 1	La sa a tana		and the second second
Waterworks do.	" 188 " 188	0		53,864	1 11 3 8			The second second
Drainage	100	0	•••	7,217 16,865	$ \begin{array}{ccc} 3 & 8 \\ 14 & 0 \end{array} $			and the second se
Waterworks	100	x .		1,02,966				ANT AND
Market	160	7		23,845	1 7			the second se
Plague	1.00	0			13 8			and the second
Waterworks	189	0		9,590		the state of the state	-	
Drainage	" 189			80,783	0 1			and the second
Market				28,914	5 11		1	
Drainage	" 190			1,39,548	7 0			CALL THE REAL OF
Waterworks	. 190	-			12 1			the state of the s
Plague	, 190			17,803	3 2		-	
Sewer	, 1901-0			18,430	6 4			
Drainage	,, 1901-0			30,130	11 2		-	
Do.	,, 190			69,384	7 4		-	
Special Buildings	. 190			25,613	5 1			
Do. Noples Reiden	" 190			73,700	5 11		100	- new of the second second second
Napier Bridge Do	" 190			17,409	5 2			
	n 1910-1			6,928			-	
Special Buildings	191			34,348	5 1		1	- 9 - E - B
Do, Do,	19 191			22,356	8 11			2 2 1. 1.
Electric Lighting	" 191			11,922	3 9			La start and
Special Buildings	n 191	R		2,968	0 4			the second
Electric Lighting	" 191 191	5		7,463	6 0			
Do.	101	6		5,668	5 6		1	The second second
Water and Drainage	. 191	a		545	0 0	96.0.2 710		
and a summer		• •••		1,110	0 0	26,03,518	2 11	and the second
		Carried ov	ver .		1000	38.94 019	0 0	101.00.045 0.10
		Construction Of			1.1	38,94,958	9 2	101,96,245 2 10

. Loans from Government.

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1917 and forming the Opening Balances of 1917-18—(Continued).

	Description of Buildings.			Amount, Rs.
		the second	1	amon T.
1	Shed for the peons, &c., of the Hindu Burial Ground in Suriyanarayana Medical Registrar's Office and Vaccination Depot, Mannarsamy Coil	Chetty Street		10
	Sewade Farm Overseer's Office			53
1	Shed for storing bay in the seurage farm			64
				2,64
2		Covil Road		6,00
	Vaccination Depot in Tiruvottiyur High Road junction of Cumbalammer Cattle Shed in Robinson Park	Covir Road		28 2,91
10.1	Remery in Pohinaca Park			1,70
	Reservoir for water near Hand Stand in Dobleson Dask			30
	Compound wall to Robinson Park			25
	Vitches in Pohinson Park		***	7,58
	People quarters at Robinson Dark			97
19	Foliage shed in Dobinson Park			1,20
100	Pumping shed and two wells in Robinson Park			1,95
	Corrugated zinc shed for the Fire Engine Station at Royapuram Pumpl	ing Station		51
	Fire engine shed close to the temple gate in Mannarsami Covil Street		***	10 00
	Georgetown Dispensary			10,00
	Tiled shed Toll-gate, Tiruvottiyur High Road			45
	Ourseast's Office and store room of and Division in West Street			2,95
	Sanitary Inspector and Works Department Overseer's Office, Ebramji			2,80
	Raja Sir Ramaswamy Mudaliar Lying-in-Hospital, Monegar Choultry Ro	ad		31,2
	Vitchen in Lulad in Hospital			7,20
1	Nurse's quarters in Luing in Upenital			16,81
1	Dollar shad in Slaughterhouse Dost			90
				57,00
	Drivers' Lines in Slaughterhouse Road			14,32
	Bazaars attached to Drivers' Lines H. Bullock depot Slaughterhouse Road			98 22,00
	Tiled shed for 12 pairs of bullocks in H bullock depot, Slaughterhouse	Road		1.70
1	Do 6 pairs of sick bullocks in H bullock depot, Slaughterho			1,63
13	Gram shed at H bullock depot			1,00
	Wheel trough in H Bullock depot			31
	Model School in Sanjeevirayan Covil Street			12,60
	Do Cemetery Road Buildings in the acquired Fiji Emigration Depot in Tondiarpet			14,75
	Model Milch Cow House in Tondiarpet			46,63
3	Bathing fountain in Basin Bridge Road			51
	A Depot Bullock shed in Basin Bridge Road			5,40
	C "Kathiwakam High Road …			8,78
	Shed for Rubbish Depot Superintendent at Manali Bridge Toll-gate Building No. 3 in Manali Road			21 40
	Overseer's Office and Vaccination and Dispensary in Tiruvottiyur High			17,0
	Coolies shed Rubbish Depot in Ennore Road			5:
	Rubbish Depot, Superintendent's Office, Korukupet			41
	Drivers' Lines at Kathiwakam High Road		***	9,51
	Wheel Trough in C Depot			31
	Hindu Burial Ground (Shelter shed for Hindus)			98
	Do do Chetties		-	1,90
	Do do Brahmins			3
	Do do Pariahs			30
	Toll-gate, Old Ennore Road			30
	M. J. 1 Oak and Dearbard (Mint Calassialy Maida Circat)			13,3
	Four small incinerators at Cochrane Basin Road			1,3
4	Model School in Angappa Naick Street		***	12,7:
5		····		7,00
	Waterworks Stores including Bathing Fountain in Thambu Chetty Str Muhammadan Model Buildings in Salai Vinayagar Covil Street			2,00 7,00
	11 I I O A THE O A I I HIS STORE (David Change)			13,90
6	Model Paracherry, Vasapmode (new) Broadway		!	27,0
	Do do (old) do			20,5
	Model School at Vasapmode Paracherri		***	14,70
-	Overseer's Office and Bathing Fountain at Govindappa Naick Street		***	2,00
7	Superintendent's Office and bullock sheds at Basin Bridge Road			1,50 6,21
	Storekeeper's Office, Old Basin Road			1
	Model School in Malayappan Street			12,7:
-	Infectious Diseases Hospital in Barracks	Deale Wall		13,6
8	Municipal Stores and Workshops, including gram depot and Trevellyan			61,1
	Portion of Police Station in Wall Tax Road Building Overseer's Office, 8th and 9th Divisions			3,5

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1917 and	1
forming the Opening Balances of 1917-18-(Continued).	

Divisions	Description of Buildin	gs.			Amount.	
Divi						
	and the second		Brought forv	ward	5,50,710	
	Municipal Cart-stand with bazaars and Bathing Founta	in, Elephant (ate Road		7,100	
9	Superintendent's shed at the Wharf in Wall Tax Road Bathing Fountain in Badriah Garden Street		***		200	
	Cart-stand at the commencement of Wall Tax Road.				1,950	
	Corr pound Wall for the Model School at Edapalayam				480	
10	Incinerator, Basin Road				7,000	
	Superintendent's quarters at the Incinerator, Basin Ro				450	
	Lethal Chamber at Basin Esplanade Road Mantapam at DeMellows Road Burial and Burning Gr	mand			1,180	
	Pig Pen, DeMellows Road	····			1,38	
	Pig Slaugt terhouse, DeMellows Road				45(
	Bullock Slaughterhouse, Gantz Road Sheep Slaughterhouse, Gantz Road				30,150	
	Superintendent's quarters, Bullock Slaughterhouse, Pe	rambur			4,304	
	Chief Superintendent's quarters Slaughterhouse and D	rivers' Lines, "	Hope Lodge		11,540	
	Toll-gate building in Erokanjeri Road (new) Do in Perambore High Road				1,220	
	Do in Connoor Road				380	
	Do in Madavaram Road Waterworks Overseer's Office in DeMellows Road				380	
	Waterworks Overseer's Office in DeMellows Road Rat Station in Puliantope Road				964 554	
	Toll-gate in Perambur Tank Road				190	
	Shed in Vyasarpady Burial Ground Smithfield Market, Avadanam Paupier Road				380 19,120	
11	Vaccination Depot in Rutler's Road				1,040	
	Conservancy Cart Depot inculding gram shed, Choolai				11,50	
	Bauliah Naidu Dispensary, Rutler's Lane School in Kalathiappa Mudaly Street		•••	***	9,200 6,500	
	Model School in Vaikaikaran Street		/		16,754	
	Masonry Incinerator inside Choolai Mills	din na a			280	
12	Office and Stores of the Overseer in Gangadeswarer Moore Market with Electric Engine Shed, People's Pa				1,270	
	New Evening Bazaar with refreshment stalls, People's				86,820	
	Superintendent's quarters, People's Park				6,150	
	Sergeant's quarters in People's Park Band Stand in People's Park				3,550 2,330	
	Menagerie shed with the shed at the entrance in the Pe	cople's Park			11,400	
	Foliage shed in People's Park	Park			1,000	
	Shed for swans and other birds in the Island, People's Bear's cage in People's Park	Park			2,850 6,000	
	New Aviary in do				5,780	
	Store shed in the Menagerie, People's Park Pumping Station in People's Park		***		880	
	New Corporation Office, Ripon Buildings, Poonamalle	e High Road			7,75,480	
	Model School in Poonamallee High Road				12,000	
	Fire Engine Shed at Vepery Police Station New Lion's Cage, People's Park				400 930	
	Model School at Vathiar Canda Pillai Street				14,570	
13	Office and Stores of the Overseers in Harris Road				1,200	
	Cart Det ot including bullock sheds and Sanitary Over Gram Shed, Harris Depot	scer a Office, I	iariis Kead.		12,000	
	Incinerator, pumping station and compound wall, etc.,	Langs Garden	Road		3,650	
	Steam Road Roller Shed in Langs Garden Road Vaccination Depot, Poonamallee High Road			•••	950	
	Motor fire engine shed and drivers' quarters in Subroy	a Mudali Stre	et		1,500	
	Model dwellings, Anglo-Indians, Nariangadu				26,290	
	Model School, Goyatope, Nagappa Mudali Street Premises Nos. 14, 15 and 16, Subroya Mudali Street				13,950 6,000	
	Do 12, Veerabadrachari Street				300	
14	Rest-house in Otary Burial and Burning Ground				300	
	Toll-gate No. 8 in Madavakam Tank Road - Do 8-A in Subroya Chetti Street				580 380	
	Toll-gate No. 9 in Kilpauk Garden Road				470	
	Do 10 in Poonamallee Road, Chetput Do 11 in Harrington Road, Chetput			-	470	
	Do in Subbaraya Gramany Street				160 380	
	Sheds for tools and plants in Otary Burial Ground				270	
	Dhobykhana in McNicholas Road, Chetput Day School at Chetput				80,700	
	Rubbish Depot Shed in Brick-Kiln Road				8,750 250	
	Driver's quarters at Kilpauk or Walkmans's cottage at	nd Channel Ov	erseer's quart	ers	7,400	
15	Overseer's Office and Stores in Village Road Tiled shed in Sterlings Road Burial Ground				1,250	
	Reality of the second			***	020	

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1917 and forming the Opening Balances of 1917-18-(Continued).

Divi-	Desc	ription of Build	lings.			Amount.
		Constant P	United yourd			Rs.
						-
16.03				Brought forwa	rd	22,18,49
3.34.3					all all a	
1.1.1	Toll-gate No. 12 Kodambakum Road					47
16	Corporation School in Thousand Ligh Model School in Rama Naick Street,	Nungambakam	treet			15,78 15,29
	Do Arunachala Naick Re					15,05
	Shed for ambulance in Napier's Park Napier's Park Superintendent's Shed	and Waterman	the Orienter's	Office and store r	***	38
Piles !!	Do gatekeeper's lodge at e			Once and store i	Join.	1,08
11	Dispensary, Vaccination Depot an				aick	
	Road Manual fire engine shed at F. 1 Police	e Station				12,06
1.5	Old pumping engine house now occu		r cleaning sta	aff and Special Pla	gue -	*100
17	Medical Officer		in Delement			6,80
	Building Overseer and Road Oversee Model School in Vallabha Agraharan	r's Office, Stor	es in Balamu	inu Street		3,18 12,00
	Corrugated iron shed in Veeran Para					20
	Do at Chetty's Garo			buckets, etc.		13
	Public bathing fountain in Veeraragh Model School in Bells Road, Triplicar		inter			1,00 13,68
	Vaccination Depot at Pulibone Bazaan	in Pycrofts Re	oad			10,00
	Masonry incinerator at Pycroits Lane Buildings acquired in Suparigunta Pa			41.0		24
	Buildings acquired in Suparigunta Pa Value of premises Nos. 368, 369 and 3		Road			63,80 6,20
18	18th Division Overseer's Office and S	tores, Pycrofts	Road .			2,00
	Sanitary Inspector's Office in Chenga Steam Road Roller shed, Westcott Ro		treet			1,50
_	Bathing fountains in Ice House Road	aci				70
20	Model School at Venkatarangam Pilla		·			13,55
	Do. at Triplicane High Ro.		Pond opposit	a to Nall Status		15,06
1	Old Depot of Registrar of Births and Vaccination Depot at the junction of					1,20
19	Isolation Hospital, Krishnampet					18,26
	Incinerator at Krishnampet	inorator at Vris	hnamnät			17,88
1	Shed for the Superintendent of the Inc Overseer's Mustering Depot shed, Kris		sonamper			55 70
	Krishnampet Cart Depot		· · · · ·			5,51
	Barber's Bridge Cart Depot School at Krishnampet including comp	in house				4,71
1	Royapettah Hospital including Sub-		tons' quarter	s and Nurses' quar	ters	6,50
12.20	and store shed and compound wall					2,46,66
	Tiled shed at Krishnampet Burial Gro Lethal Chamber, Krishnampet	ound				52
-	Peop's room for Krishnan pet Burial C	Fround				40
	Gram shed at Krishnampet	···· Steenat				1,00
20	Medel School at Ammayappa Mudali Vaccination shed, Cutcheri Road	Succi				17,37
	Shed at Mylapore Hindu Burial and B					91
1	Damodar Street Panchama School Wharf with crane, etc., in Ellapatha M	fatha Covil Ro	he			8,44
	Toll-gate in Mount Road		***			35 38
	Do Chamier's Road					13
	Do Adyar Bridge Road Overseer's Office and Stores, 20th Div	ision				30
	Watchman's room and compound wal		n Burial Grou	nd in Ellapatha M.	atha	1,50
1	Covil Road					75
	Overseer's Office and Stores of Water Model School in Mandavalli Street, M		er, 20th Divis			1,50 14,30
	Peon's Room in Mylapore Burial Gro					14,50
-	Fire Engine shed in Mount Road	i Dead				49
tside	Sanitary Inspector's Office in Kutcher Overster's quarters at ked Hills	1 Road				4,00
	Channel Overseer's quarters					1,13
	Red Hills Bungalow (Big)	;		***		7,75
	Out-houses of the above bungalow Red Hills Bungalow (small)					1,33 2,36
	Out-houses of the above bungalow					48
	Stable with out-houses				1	2,27
	Tower House old with httings New Tower house					9,26 46,31
	Cottage No. 1 Delivery Channel					2,00
	Do 2 do Do 3 do		•••			1,79
	Do 4 do					2,270
	License Clerk's quarters at Ennore Lo	ck				5,52
	Quarter for the Licensing Clerk at Ad					2,100
	Night-soil Depot Settling basin and valve house					4,980
	Conduit					5,63,160

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Statement showing	the Liabilities and Assels as closed in the Books on the 31st March 1917 and	
	forming the Opening Balances of 1917-18-(Continued).	

Description of Buildings.							
		1	Brought	forward	34,90,410		
Filter beds					4,49,610		
Filter water reservoirs					1,41,720		
Other subsidiary buildings					9,260		
Stores sheds at Kilpauk					5,210		
Distribution stores at Royapettah					1,550		
Do People's Pa					1,490		
Drainage stores at do.					4,250		
Do Napier Parl					3,300		
Do Purasawaka					1,600		
Do Georgetown					2,570		
Cement shed at Napier Park					1,300		
Store-shed in Napier Park					1,150		
Cement testing shed at do.					450		
Pumping Station Buildings :-					And and and		
Pumping Station and Drivers' qua	rters at Royann	iram			10,100		
DeMellow's Road Pumping Statio					3,830		
Langs Garden do					6,620		
Napier Park do					10,430		
Ice House Road do					8,200		
Mylapore do					3,320		
Law College do					15,470		
Tondiarpet do "A'	1				11,860		
Do do "B'					13,590		
Do do "C'					11,450		
Kilpauk Pumping Station					3,91,940		
supar romping station					0,01,01		
				Total	46,00,180		
Value of Municipal lands				-	7.00.010		
Value of Municipal lands					7,09,240		
Do tools and plant and mater Do furniture	1als		•••		55,47,510		
Do line stock		***			52,790		
Do live-stock					1,16,270		
Arrears of Taxes, &c			***	***	68,680		
Advances Recoverable	··· .				1,57,570		
				Total	66,52,060		
			Tota	Assets	151,47,200		
			Total Li	abilities	101,96,245		

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

	PART 1-NET	W WORKS.		
No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	GRANT I(Public Works).	Rs.	Rs.	Mary P. T.MAND
	1. New Works.	1	All and	in million
	(b) Buildings.			and the second
1	Acquisition of land in Oobrapalayam for the construction of a model school	860		Land under acquisition. Valuation for Rs. 863, approved.
2	Construction of model schools-			internation and the second
(a)	at Vasapmode Paracherry, George Town, including the installation of a flush-out latrine of 10 seats	1 (7,708	Paid in full.
(b)	at Bell's Road, Triplicane	} 9,187	736	Do.
(c)	at Rama Naick Street, Nungumbakam	814		Grant not utilised.
(d)	at Venkatarangam Pillai Street, Triplicane	402	198	Paid in full.
(c)	at Angappa Naick Street, George Town, including an expanded metal screen door and sunshade	2,106	1,595	Paid in full.
G	at Salaivinayagar Covil Street, George Town, including the installation of a convertible sanded latrine	1	1,017	Do.
(g)	at Cemetery Road, Tondiarpet	2,557	1,836	Do.
(<i>h</i>)	at Triplicane High Road	8,092	2,603	Do.
(1)	at Ammayappa Mudali Street, Mylapore	5,052	4,559	Do.
(j)	at Vadhyar Canda Pillai Street, Purasawal- kum	4,528	3,787	Do.
3	Minor works in the " Ripon Buildings"	1,064	569	Do.
	Total	30,810	24,608	aron margalati (b)
	Credit Rs. 1,314 paid under Rev. Account.		1,314	a Incontraction
1	ente presente		23,294	

CAPITAL ACCOUNT.

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

	PART I-NEW	WORKS-(C	ontd.).	
No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		Rs.	Rs.	
	GRANT I Public Works (Contd.).			
	1. NEW WORKS-(Contd.).			
	(c) Drainage—Special.		-	A STATE OF
	Madras Main Drainage.		angel tilling	
1	Sewage Farm Pumping Station buildings sewers, overflows, etc.	1	3	
2	Tondiarpet Drainage.			
(a)	House connections to sewers	21,692	26,066	Completed.
(b)	Alterations to House drainage		1,622	
(c)	Extension to sewers	5,000		
(<i>d</i>)	General, <i>i.e.</i> , ventilating shaft, timber left in trenches, flushing chambers, etc.	1000	3,803	Do,
3	Miscellancous Works.		and the second	
(a)	New Sewage Farm	500	Cr. 78	
(b)	New Engine for De'Mellow's Road Pumping Station	500		
4	General Scheme.	an the second	to policita p	
(<i>a</i>)	Drainage of Ice House road area	20,000	6,894	In progress.
(b)	" Napier Park area …	1,21,510	99,099	Do.
(c)	" Purasawakkam area	85,000	1,06,170	Do.
(đ)	n Royapuram area	45,000	\$1,045	Do.
(e)	" Law College area		33	Do.
(f)	Gravitation Main Intercepting sewers, etc	60,000	76,267	Do.
(g)	Pumping main, branch main, etc			
(<i>h</i>)	Unforeseen works	10,000		
	Various other items.			
5	Supplies and services (Home charges)	5,000	3,180	
6	Miscellaneous	10,000	18,694	-
	Carried over	3,88,202	3,71,803	

CAPITAL ACCOUNT.

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

CAPITAL ACCOUNT.

PART I-NEW WORKS-(Contd.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year,	Remarks.	
		Rs.	Rs.		
	Brought forward	3,88,202	3,71,803		
	GRANT IPublic Works-(Contd).				
	1. NEW WORKS-(Contd.).			-1-1 JE 4203	
	(c) Drainage—Special—(Contd.).			77 9225 4	
	Various other items.		lenge-st		
7	Stores, tools and plant (suspense account)	2,50,000	4,86,738		
8	Alterations to House Drainage and connec- tions to sewers	3,500	2,028		
9	Raising Syphons, etc		1,533	Alegent's months tool	
10	Temporary Pumping Station at Pycroft's Road	4, ⁰ 00	8,829	Completed.	
11	Stormwater Drainage of North Triplicane.	\$5,000	84,890	Do.	
	in the second second second second	6,80,702	8,50,316		
	Realisation by sales cf stores	Cr 2,00,000	Cr.2,98,088		
	Total	4,80,702	5,52,228		
	(d) Water-supply-Special. Main Works.	•			
1	Conduit		Cr. 8,976		
2	Filter beds	80,000	28,238	Completed.	
8	Settling Basin		719		
4	Kilpauk Pumping Station and elevated tank, etc.	20,000	18,928	Do.	
5	Engines, Pumps and Boilers	52,000	51,946	Do.	
6	Land fencing around filter beds	4,300	5,290	Do.	
7	Seven additional filter beds and an additional pure water tank				
8	Pipes, specials, valves, meters, etc]			
9	Laying do. do	\$6,00,000	7,04,995	In progress.	
10	Valve chambers, etc			a all search	
	Fixing Hydrants, etc	1			
11	riang rijunno, oro.				
11 12	Contingencies	5,000	7,179		

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

_	PART I-NEW	M	OKS-(Cor	icld.).	
No.	Particulars.		Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
			Rs.	Rs.	
	Brought forward		7,11,800	8,13,319	
	GRANT IPublic Works-(Contd.).				
	1. NEW WORKS-(Contd.).		in the second		
	(d) Water-supylySpecial-(Contd	.)			
	Various other items.		1		
13	Supplies and services (Home charges)		7,000	7,109	
14	Miscellaneous tools and plants, etc.		4,000	4,454	
15	Stores (suspense account)		50,000	37,562	
			7,72,300	8,62,444	
	Realization by sales of stores		Cr. 50,000	Cr. 56,455	
	Total		7,22,300	8,05,989	

CAPITAL ACCOUNT.

PARTI NEW WORS (Com

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

REVENUE ACCOUNT.

PART I-NEW WOKKS.

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks
	GRANT I.—Public Works—	Rs,	Rs.	
	1. NEW WORKS-		in-shirts	
	(a) Communications.		ALCON-CON	
1	Acquisition of land in R. S. No. 741 of Purasawakkam for widening Gangadar- eswarar Koil Road, 11th Division	490		Withdrawn. Corpora- tion, 24-4-17.
2	Acquisition of land in R. S. No. 858 of Vepery for rounding off the corner at the junction of Hunter's Road and Vadhyar Kanda Pillai Street, 11th Division	850	225	Land acquired. Paid in full.
8	Acquisition of land for rounding off the south-western corner at the junction of Thathamuthiappan Street and Acharappan Street, 6th Division	600	326	Land acquired.
4	Acquisition of a portion of land in Vepery for the removal of the projection at the junction ot Lalkutti Street and Narayana Chetti Street	60	52	Do. Paid in full.
5	Constructing a skew bridge in Stephenson Road junction with Otteri Nullah includ- ing carting ashes from Demellow's Road incinerator to Stephenson Road bridge for the formation of the road	5,570	5,859	Paid in full.
6	Acquisition of a portion of land in R. S. No 5672 of Georgetown for widening Popham's Broadway	1,000	1,811	Land acquired. Paid in full. Excess due to the valuation increased in the award.
7	Compensation for shifting back the building in R. S No 8883 of Georgetown in China Bazaar Road to the declared building line.	850	\$50	Paid in full.
8	Acquisition of land and buildings in R. S. Nos. 1352, 1366 and 1365 of Egmore for rounding off the corners in Veerabadra Achari Street, Pudupet	240		Under correspondence re: dropping off the
9	Acquisition of land and structure in R.S. No. 1360 of Egmore at the junction of Valanda Chatti Street and Subharaya			acquisition of land in R. S. No. 1352.
	Velayuda Chetti Street and Subbaraya Mudali Street	200		Valuation Statement for Rs. 146, approved.
10	Shifting the overhead mains at the junction of Halls Road and Casamajor Road	200	200	Paid in full.
2	Carried over	9,060	7,823	

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

		RT I-NEW W	ORKS(C	contd.).	
No.	Particulars.	And	Revised	Expendi- ture during the year.	Remarks.
	Broug	ht forward	Rs. 9,060	Rs. 7,823	-1 1 KOLD
GR	ANT I.—Public Works—(C	Contd.).		1	
	1. NEW WORKS-(Conta	l.).	- 10	Shann	
	(a) Communications-	-(Concld.).			
1	nstructing floor and pa Nullah Bridge for the port ounding off the approach- ion of Connoor Road and	tion affected by es at the junc-	1,800	1,174	Completed.
i	mpensation for shifting ba n R. S. No. 3728 cf Tripl by the portico of Messrs. V n Mount Road	icane, occupied	580	581	Paid in full.
I I	provements to the dange he junction of Pantheon R Road	toad and Harris		687	Excess sanctioned by S. C. on 10 1-17.
	oviding a foot-path from o Napier Bridge	Parry's Corner	6,000	557	In progress.
				3,241	Paid in full.
	unding off the corner at Halls Road and Casama Division	jor Road, 13th		470	S. C., on 25-2-16.
17 Pe	tty works		500	94	•••••
		Total	18,510	14,577	
	(b) Building	s.			
1 Ex	tending the bullock sheds				
(a) Ex	tending the 4 new bays at	"F" depot	950		In progress.
(b)	Do. the 6 new bays a Chulai	t "D" Depot,	1 010		Completed.
	nstructing three rocfed pl Smithfield Market, Chulai	atforms in the 	070		In progress.
8 Co	nstruction of coolies lines		6,000		Not commenced.
4 Co	nstruction of a Pail Depot	at Royapuram.	3,800		Government grant awaited.
5	Do. do.	at Langs Garden	3,800	2,485	In progress.
		Garden	0,000		The Press

REVENUE ACCOUNT.

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

REVENUE ACCOUNT.

PART I-NEW WORKS-(Contd.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.	5%
		Rs.	Rs.		
	Brought forward	16,770	2,485		
-	CRANE L. D. H. H. H. C. H.				
	GRANT I.—Public Works—(Contd.).		1.2.10	I. Stee We	
-	1. NEW WORKS-(Contd).		-	1148 (13) - I	
	(b) Buildings—(Contd).				. !
6	Construction of flushout latrines at-		The state of		
(a)	Cemetery Road, Tondiarpet	1	and seen to		
(b)	Narayanappa Naick 8th Street	in a sound	Jeoseun .		01
(c)	Periathambi Street, Kasimodu Garden	1 1000	to protection		-
(d)	Palmyrakuppam			trues and	
(c)	Shaik Maistri Street	> 19,150	. 19,172	Paid in full.	14
(1)	Mottai Garden				
(g)	Making additions and alterations to the latrine at Thoppai Mudali Street			Name of the second	21
(h)	Kasimodu Garden near Flag Staff Street	J	topic top	and seal pairies	
7	Construction of flushout latrines at-		a transfer	Trating and	
(a)	Junction of Shaikmaistri Street and Thambu Chetti Lane	1		me-Manpinal-en	
(b)	Angalammen Covil Street			11 1 1 1 1 1 1 1 1	
(c)	Sami Reddi Street	and Mark	Ratin Tak	the state of the	
(d)	Cooum river side road		and provide	and a second second	
(c)	Kuppam, including the connection with the pumping station	20,964	18,309	Completed.	
(f)	Sirdarjung's Garden		1		
(g)	Kandappa Mudali Street		to the ball of the	noiph sciences	
(h)	Laying 1½ inch water-pipe for the Kuppam flushout latrine connecting with the 4 inch water main in Venkatarangam Pillai Street	and the second second			
8	Connections to Devaraja Mudali Street flush- out latrine at Triplicane			Adjustments antici not received.	ipated
12	Carried over	56,998	39,966		

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

1	and the second		Contd.).	
lo.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	and Mary Bar	Rs.	Rs.	
	Brought forward	56,998	\$9,966	
	GRANT IPublic Works-(Contd.).			and the state of t
	1. NEW WORKS-(Contd.).		1.	1 .
	(b) Buildings—(Contd.).			1 .
9	Constructing a street urinal with 3 com- partments fitted up with "Torfeit" material in Wall Tax Road near the new Hackney carriage stand	196	191	Paid in full.
0	Construction of a flushout latrine at the Model Parachery, Cemetery Road, Ton- diarpet and connecting the drains with the sewer	546	54	Balance not utilized,
1	Construction of a Dhobykhana in the	510	04	balance not utilized,
	Robinson Park	18,974		Proposal to utilize the site and the grant ap proved by the Govern
2	Fixing drainage and sanitary fittings to the Nurses' quarters in the Lying in-Hospi- tal, Monegar Choultry Road	1,395	1,850	In progress. Estima revised for Rs. 1,900.
8	Fixing iron bars and windows on the 1st floor and fixing teakwood shelves with frames, shutters, etc., in ground and 1st floor of the Nurses' quarters in the Lying-			en andre bein 2
4	in-Hospital Construction of a new cage for the lions in	498	498	Paid in full.
	the People's Park	4,970	928	Completed.
	Constructing a model milch cow house in "B" Depot, Basin Bridge Road and the purchase of a sterilizing boiler	86,000	24,985	Do.
6	Depot opposite to Kalmantapam Road Police Station	188	188	Paid in full.
7	Improvements to the Cholera Hospital in Barracks Square including the connec- tion of the drain with the sewer in Old Jaii Street	7,585	7,352	Do.
8	Providing casuarina posts and barred wire fence to Infectious Diseases Hospital in Barracks Square	205	52	Completed.
9	Improvements to Pass-port Office, Tiru- vottiyur High Road and constructing an office building for Sanitary Inspector, Conservancy Overseer, etc.	2,612	2,055	Paid in full.
	Carried over	2,012	2,000	r aid in full.

REVENUE ACCOUNT.

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

REVENUE ACCOUNT.

PART I-NEW WORKS-(Contd.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		· Rs.	Rs.	
	Brought forward	1,30,167	77,619	
	GRANT IPublic Works-(Contd.).		Speedholl	
	1. NEW WORKS-(Conid.).		111-0-0	
	(b) Buildings—(Contd.).		he interiti	
20	Constructing a bathing fountain in Basin Road at the junction of Mint Street	205	51	Paid in full. Balance not utilised
21	Constructing a bathing fountain with six taps in Ice House Road in the place of the existing corrugated iron sheet enclo- sure dismantled	227	11	Do. Do.
22	Constructing four small incinerators at Cochrane Basin Road	1,337	1,337	Do.
23	Constructing a masonry incinerator at Chulai mills	276	276	Do.
24	Improvements to the Smithfield Market	722	722	Do.
25	Constructing a corrugated iron shed and a verandah for storing ropes, twines, etc., at the Corporation Stores	510	366	Do.
26	Construction of a central fire station at Pudupet	• 178	178	Do.
27	Constructing a compound wall around the site acquired for a model school in Eda- palayam and for removal of earth and carting the same to fill up the tank near Ripon Buildings	2,030	480	Nearing completion.
28	Providing a pit and a rack in the motor room attached to the Ripon Buildings	180	185	Removal of earth abandoned. Paid in full.
29	Constructing additions to the existing motor fire engine station at Pudupet	5,946	5,770	Do.
30	Fixing the rail posts in concrete for drying hoses and connecting the existing one with the new one by beams at the fire station, Pudupet	138	138	Do.
31	Constructing a compound wall for the additional land of the Corporation Work- shop and Stores	3,060	2,866	Completed.
82	Constructing a stone heating chamber ex- cluding iron work in Mount Road between Wallajah Bridge and Munroe Statue	241	241	Paid in full.
83	Making alterations and additions to the Lethal Chamber, Kistnampet	621	621	Do.
2	Carried over	1,45,788	90,81I	

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

REVENUE ACCOUNT.

	PART 1-NEW WORKS-(Contd.).							
No.	Pa	rticulars.	install	Revised Estimate Grant.	Expendi-	Remarks.		
		Brought (forward	Rs.	Rs. 90,811			
	GRANT IPublic			-11				
	1. NEW WOR		,	1				
		ldings—(Co	oncld.).			Wild A.		
34	Constructing an of for the licensing Adyar	fice room an clerk and h	nd quarters his lascar at	220	197	Paid in full.		
85	Cost of investment awarded as comp Nos. 49/14 and 2 land made in 19 a garden and for Road	pensation in 1/15 <i>re</i> the ac 14 and 1915	land cases, equisition of for opening		245	Do.		
86	Cost of 650 sq. fee College pumping construction of a	station requ	ired for the	812		Under correspondence		
87	Installing drainage Lying-in-Hospita Road				910	In progress. Amoun provided for in the Budget of 1917-18.		
38	Installing a conver seats in Kutty 15th Division				522	Paid in full. Sanctione by S. C., on 24-11-16.		
89	Putting up picot garden in the Fij				471	Paid in full.		
40	Improvements to "	A " Cattle D	epot			In progress. Sanctioner by S. C., on 10-1-12 Estimate for Rs. 910.		
41	Do. "	C" do.			2,731	Completed. Sanctione by S. C., on 10-1-17.		
42	Do. "	G" do.				In progress. Estimat for Rs. 2,167 revised.		
43	Do. "	H" do.				In progress. Sanctione by S. C., on 10-1-17 Estimate for Rs. 3,70		
44	Petty works			715	571			
	C. C. Barris		Total	1,47,780	96,458			
	Debit Rs. 1,314 ta	ken into Capi	ital Account	C THE REAL	1,314	Contraction particular of		
				ing is	97,772			

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

REVENUE ACCOUNT.

PART I-NEW WORKS-(Contd.).

No.	Particulars	Revised Estimate Grant.	Expendi- ture during the year.		
	GRANT IPublic Works-(Contd.)	Rs.	Rs,		
	1. NEW WORKS-(Conld.)				
	(c) Drainage—Ordinary.				
1	Laying of sewers-				
(a)	Laying 6-inch sewer including house con- nections, silt catcher buckets, etc., com- plete in Kammala Street	2,000	1,999	Paid in full.	
(b)	Laying 6-inch sewer with house connec- tions constructing syphon boxes, etc., in Thousand Lights Paracheri	1,100	1,069	Do.	
(c)	Laying 6-inch sewer with house connections in Mount Road near Thousand Lights	700	684	Do.	
(đ)	Relaying 6-inch sewers to replace the existing concrete pipes, etc., at Gaffur Sahib Street, Triplicane	525	229	In progress.	
(c)	Laying 4-inch sewer in Sadayatbamman lanes and Conjeevaram Pacbayappa Mudali Street	900	505	In progress.	
(f)	Other works	500	615		
II (a)	Construction of side drains— Constructing side drains in Valluvan Thola- singan Street and connecting with sewer in Mundakanni Ammen Coil Street	605	622	Paid in full.	
(b)	Constructing a 6-inch drain on the western side of Ramanaick Street, Nungam- bakkam	215	215	Do.	
(c)	Constructing a 6-inch drain on the eastern side of Ramanaick Street, Nungambakkam.	102	102	Do.	
(d)	Constructing a 9-inch drain in Chulai Bazaar Road	240	217	Do.	
(c)	Constructing a side drain at Puliantope Road near Anjuman premises	118	118	Do.	
()	Constructing a 12-inch pipe drain in Graems Road at the junction of Azizulmulk 1st Street and 2nd Street and Othawadai Street	845	307	Do.	
(g)	Covering a portion of the open masonry drain in Peters Road to make a pathway to the latrine in Sirdarjung garden	200	192	Do.	
(<i>h</i>)	Investigation of the existing sewers, etc., in the Moor Street, George Town for making proposals to prevent the heavy flooding of the street during rains	800	2,552	Completed. Ex	cess
	Carried over	7,845	9,421	sanctioned by S. 27-8-1917.	

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

REVENUE ACCOUNT.

	PART I-NEW W	IOKKS-(C	onta.)	
No,	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	Brought forward	Rs. 7,845	Rs. 9,421	TREAD
	GRANT IPublic Works-(Contd.).			
	1. NEW WORKS-(Contd.).			
	(c) Drainage—Ordinary—(Concld.).		-	
(1)	Constructing storm water drain in Shaik Maistri Street, Tondiarpet	2,890	2,125	Paid in full.
()	Demolishing the old syphons and replacing the same at Sadayappa Mudali Street, Mylapore	125		Adjustments anticipated in Revised Estimate found unnecessary.
(k)	Constructing silt-pit traps, etc., and impro- ving the side drain opposite to the Tinker's shop in Wall Tax Road	880	550	In progress.
ш	Improvement of Kelly's drain	19,470	19,270	Nearing completion Government Grant.
IV	Petty works	400	55	
(a)	Laying pipes to the underground drain across Old Jail Street near Cholera Hos- pital, 2nd Division		202	• In progress. S. C., or 24-11-16.
	Total	81,610	31,623	
	(d) Water-supply-Ordinary.		-2	
1	Purchasing and fixing meters-			
(a)	Manufacturing 8 wrought iron meter doors $2\frac{1}{2}$ feet \times 2 feet (thicker one) 6 B glass frames for 2 inch meters and six glass frames for $1\frac{1}{4}$ inch meters for the Water-works Overseer, 14th and 15th Divisions			
(b)	Fixing one 1 inch meter at No. $\frac{1-8}{42}$ in	360	343	Paid in full.
	Mandavalli Street, Mylapore, 20th Dn	120	95	Do.
(c)	Fixing 2 ³ / ₄ inch meters to marble hall in Otary Othawadai Road, 14th Division	150	223	Do. Excess sand
(<i>d</i>)	Fixing 11 inch meter to Dares Gardens, Nos. 13 and 1-24, Poonamallee High Road, 14th Division	130	121	by tioned the S. C., o 24-11-16. Do.
(c)	Fixing 4 inch meter to premises No. 45 in De'Mellows Road Cart Depot, 11th Dn	120	79	Completed.
(f)	Other works	5,000	4,458	
2	Purchasing and fixing hydrants	500	333	
	A THE NEED WITH THE PARTY OF TH			the second s

PART I-NEW WORKS-(Contd.)

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

REVENUE ACCOUNT.

PART I-NEW WORKS-(Contd).

No.	Particulars.	Revised Estimate Grant.	Expendi- tore during the year.	Remarks.	
	The second s	Rs.	Rs.		
	Brought forward	6,880	5,652		
	GRANT IPublic Works-(Contd.).				
	1. NEW WORKS-(Conid.).				
	(d) Water-supplyOrdinary-(Cont.)				
3	Petty works-		alight story		
(a)	Laying 1 inch pipe from 12 inch main, in Ticuvottiyur High Road and fixing a fountain in Company Choultry Road, Washermanpet	160	158	Paid in full.	
(b)	Laying 1 inch pipe from 9 inch main in Monegar Choultry Road and fixing a fountain in Lawyer Chinnathambi Mudali Street, 1st Lane	104	107	Do.	
(c)	Laying 1 inch pipe from 4 inch main in Narayanappa Naicken Street and fixing a fountain in Maniganda Mudali Garden, 3rd Lane	100	95	Do.	
(d)	Laying 2 ¹ / ₂ inch C. I. pipe and fixing a fountain in Venkatachella Naick Street	185	146	Do.	
(e)	Laying 21 inch C. I. pipe and fixing a fountain in Venkatachella Naick Lane	160	122	In progress.	
(1)	Cleaning about 1080 feet of 2 inch pipe in Body Guard Road	240	137	Completed.	
(g)	Laying 2 inch C. I. pipe from Graeme's Road and fixing a fountain in Kammalar Street	200	182	Paid in full.	
(<i>h</i>)	Cleaning 3 inch C. I. pipe in Peyalwar Covil Street	240	159	Do,	
(i)	Cleaning 3 inch and 2 ¹ / ₂ inch C. I. pipe in Hanumantharoyan Covil Street	330		Not commenced.	•
(j)	Excavating and laying 250 feet of 1 inch pipe and fixing a fountain in Manjakollai, Kristnampet	190	. 191	Paid in full.	-
(k)	Laying $2\frac{1}{2}$ inch pipe for 500 feet in Vadaguedayar Street to connect the exist- ing dead end connection with the nearest main in Paripuranavinayagar Covil Street.	150	24	Completed.	
(l)	Cleaning the pipes in Venkatarangam Pillai Street, Kandappa Mudali Street and Murugappa Mudali Street	150		Funds not utilized	L
	Carried over	8,539	6,973		

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

REVENUE ACCOUNT.

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	Brought forward	Rs. 8,589	Rs. 6,973	
	GRANT IPublic Works-(Contd.).			
	1. NEW WORKS-(Concld.)			
	(d) Water-supply Ordinary Concld.			
(111)	Cleaning 750 feet of 2 ¹ / ₂ inch pipe in Solai- yappa Mudali Street, Mylapore	250	180	Paid in full.
(n)	Constructing a new cattle trough with water- pipe, etc., in Wall Tax Road adjoining the jutka stand	171	3	Work abandoned.
(0)	Other works	3,000	2,465	
	Total	11 960	9,621	
	(e) Miscellaneous.			
1	Acquisition of land for improving Edward's Lane, Kosapet in Purasawakam	600		Withdrawn by Corpo
2	Payment of half the cost of the acquisition of land in R. S. Nos. 2811, 2798 and 2804 of Purasawakam for connectingStraham's Road with Farrens Road, Perambur, the other half being met by Messrs.	1.050	0.007	ration, 24-4-1917.
3	Binny & Co Removal of congestion in Suparigunta and Narasingapuram Paracheries	1,370 19,290	2,885	Paid in full. Excess met by the amount pai by Messrs. Binny & Co Government grant. Un der correspondence.
4	Acquisition of land for a new sewage farm	1,25,000		Government g r a n Amount since trans ferred to specia works and the acqu sition put off indef nitely. (Vide G. O. No 11-M., dated 5-1-17).
5	Fixing wire netting for the eastern side of the tennis court in the Ripon Buildings	125	92	Paid in full.
6	Putting up a tennis court for the employees of the Corporation at the Ripon Buildings.	210	210	Do.
7	Acquisition of land in R. S. No. 3151 of Purasawakum for opening a pathway for the carts to approach the Kilpauk shaft for carting pipes, etc.			Dropped.
8	Putting up a rail fence with M, S. M. rails above the river bank on the north side of Anderson Road, Nungambakkam	225		Funds not utilized.
1 9	Petty works	500	-71	
1	Total	1,47,480		

PART I-NEW WORKS-(Condd.).

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

REVENUE ACCOUNT.

PART II-REPAIRS.

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		Rs.	Rs.	
	GRANT I Public Works-(Contd).		1799	
	2. Repairs.			
	(a) Communications.		1 always	
1	Metalling under contract	2,77,900	1,96,481	
2	Labour for rolling	85,400	31,088	
3	Fuel. oil, sundries, repairs, etc., for road rollers	28,000	21,852	
4	Repairs materials	85,000	80,100	
	Panalas to subsets and fast asthe			
5 (a)	Repairs to culverts and foot-paths— Widening culvert No. 2 in Demellow's Road			
()	with old rail lintels	405	405	Paid in full.
(b)	Constructing chamber and connecting drains from the newly constructed "Torfeit" urinals at the Wall Tax Road	130	56	Do.
(c)	Enlarging the culverts and constructing a retaining wall opposite to the Volunteer Guards' head quarters, Poonamallee High Road	1,385	1,886	Do.
(<i>d</i>)	Repairs to the culverts in Cochrane Basin Road	148	148	Do.
(c)	Other works	3,000	1,067	
6	Repairs to bridges-Canal bridges-			
(a)	Repairs to the arched bridge in Graeme's Road near the junction of Anderson Road	780	630	Paid in full.
(b)	Painting the lower girders of the Napier bridge with "Cuiras" black anti-corrosive paint	250	246	Do.
(c)	Repairing and cement-plastering the worn out masonry portions of Pycroft's Road bridge inside	136		Cancelled.
(đ)	Repairs to the bridges in the 19th and 20th Divisions	110	126	Paid in full.
(e)	Repairs to Poonthottam and Soolai Cathai bridges at Mylapore	570	570	Do.
	Carried over	3,78,214	2,84,155	

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

REEVNUE ACCOUNT.

DA	DT II	DED	AIDQ	(Contd.).
F N	DI II	-REF	1110-	CONNER, J.

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	11. I I I I I I I I I I I I I I I I I I	Rs.	Rs.	•
	Brought forward	8,78,214	2,84,155	and Takata
	GRANT IPublic Works-(Contd.).			and the strength
	2. Repairs—(Contd.).		and the second	101-101
	(a) Communications—(Concld.).			in the second second
10	Contribution to Government in respect of			State and the
(f)	the two bridges noted in (e) in final settle- ment of the claims	780	780	Paid in full.
(g)	Other works	2,500	10	
7	Tarring Roads	18,000	23,367	Includes value of tar on
				hand.
8	Petty wo:ks-			and the second sec
(a)	Raising manholes to the road level in 19th and 20th Divisions	120	106	Paid in full.
(b)	Other works	2,806	1,218	
	Total	4,02,420	8,09,686	
-	(b) Buildings.			
I	Repairs and improvements to Municipal buildings including petty works-			
1	Repairs to the licensing clerk's quarters at Ennore	126	126	Paid in full.
2	Do do do	450	\$90	Do.
-3	Repairs to the Overseer's office in the grass farm	100	99	Do.
4	Repairs to "H" Bullock Depot, 2nd Divi- sion	150	118	Do.
5	Do do do	1,200	916	Do.
6	Repairs to driver's lines in "H" Depot	352	352	Do.
7	Repairs to " F" Depot, Krishnampet	340	318	Do.
8	Executing preventive repairs to the "F" Depot at Krishnampet	107	107	Do.
9	Repairing the water cistern in " C" Bullock Depot	678	678	Do.
	Carried over	8,508	8,099	

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

REVENUE ACCOUNT.

Part II-REPAIRS-(Contd.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.	
	all and a second	Rs.	Rs.		
	Brought forward	8,503	8,099		
	GRANT IPublic Works-(Contd.).		10-10-11-		
	2. REPAIRS-(Conld.).		1.000		
	(b) Buildings—(Contd.).		1.000		
10	Repairs to "G" Depot, store room and water trough	811	811	Paid in full.	
11	Repairs to the buildings in the old Fiji Emi- gration Depot acquired for a model milch cow house	155	148	Do.	
12	Removing earth one foot deep in the play ground at Goyatope model school and refilling the same with sea sand	200	145	Do.	
18	Repairs to the model school at Korukupet	550	550	Do.	
14	Raising the level inside the compound wall in the model school at Thousand Lights and reforming it with gravel	170	185	Do.	
15	Providing expanded metal shutters and sun- shade for the Corporation shed of the model school at Nungambakkam	820	312	Do.	
16	Providing expanded metal screen door and sunshade for the training class attached to the model school in Mandavalli Street	301	301	Do.	
17	Improvements to the play ground of the model school at Thousand Lights	190	182	Do.	
18	Improvements to the play ground of the model school at Rama Naick Street, Nungambakkam	125	114	Do.	
19	Providing sunshades for the training classes of the Chetput Model School	120	74	Do.	
20	Filling and spreading with sand the play ground of the model school at Bell's Road	110	97	Do.	
21	Extending the roof of the carpenter's shed for the sunshade and to provide expanded metal partition for the same in the model			D	
	school at Arunachella Naick Road	800	265	Do.	
22	Repairs to the Damodar School, Teynampet	250 150	240	Do. Do.	
28	Repairs to "Hope Lodge "	150	140	10.	
	Carried over	6,755	6,118		

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

REVENUE ACCOUNT.

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		Rs.	Rs.	
	Brought forward	6,755	6,113	
	GRANT I.—Public Works—(Contd.).			
	2. REPAIRS—(Contd.).		a share	
	(b) Buildings—(Contd.).		11-3000	
24	Repairing the out-houses in the "Hope Lodge"	150		Completed.
25	Improvements to the Slaughter-house Super- intendent's quarters "Hope Lodge"	953	958	Paid in full.
26	White and colour washing and carrying out other sundry repairs in the old cholera hospital, Barracks Square	180	168	Do.
27	Providing big chimneys to the kitchen and closing the opening of the verandah, north of the cholera hospital, Barracks Square	190	144	Do.
28	Raising the walls of the bathing fountain, south of the Municipal Cart Stand, Ele- phant Gate Road	120	100	Do.
29	Repairs to the Corporation bazaars attached to the cart stand in Elephant Gate Road.	458	458	Do.
80	Relining the small cupola with fire bricks at the moulder shop at the Corporation Workshop and Stores	136	133	Do.
81	Repairing the store room in the distraint yard attached to the Corporation Stores	848	342	Do.
82	Supplying two van Raden accumulators for the Burglar "Alarm" strong room, Ripon Buildings	180	180	Do.
33	Converting a portion of the room occupied by the accounts section into a stationery room by the erection of a partition wall, Ripon Buildings	160	160	Do.
84	Fixing an alarm bell for the strong room at the Ripon Buildings	248	. 248	Do.
85	Repairs to the Mangalore tiled roofing in the Moore Market	256	256	Do.
86	Improvements and repairs to the Evening Bazaar at the Moore Market	423	423	Do.
	Carried over	10,552	9,673	

STATEM ENT II-A—Details of Allotment for Expenditure on Public Works estimated to cost Rs. 100 and upwards.

REVENUE ACCOUNT.

PART II-REPAIRS-(Conid.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		Rs.	Rs.	
	Brought forward	10,552	9,673	
	GRANT IPublic Works-(Contd.).		0-11-1	
	2. REPAIRS-(Conld.).		1000	
	(b) Buildings-(Contd.)			altilizat (0)
87	Repairs to the Superintendent's quarters at the Moore Market	850	363	Paid in full.
38	Repairs to houses 11 and 13 in Subbaroya Mudali Street, Pudupet for accommodating		ar mai	
	the Indian drivers and the cleaners of the motor fire engine	261	261	Do.
89	Repairs to the Lying-in-Hospital, Monegar Choultry Road and Georgetown Dispen- sary	3,183	8,183	Do.
40	Providing a wooden ceiling to the operation room in the Bauliah Nayudu Dispensary in Rutler's Lane	820		In progress.
41	Improvements and repairs to the sanded latrines in Kuttichery, Kilpauk	. 175	171	Paid in full.
42	Making additions and alterations to the flush-cut latrine in Velayuda Chetti Street	745	718	Do.
43	Attending to necessary repairs to the male latrine at Thimmappa Naick Garden and female latrine at Kuppam	129	10	In progress. Estimat since revised for Rs. 180.
44	Repairs to the corrugated iron latrine in Jaganathapuram, Chetput	105	89	Paid in full.
45	Making additions and alterations to the existing flush-out latrine in the Napier Park	250	156	Completed.
46	Repairs to the latrine at the south end of Thoppai Mudaly Street	138	138	Paid in full.
47	Repairs to the sanded latrine in Azizmulk 2nd Street, Thousand Lights	100	24	Completed.
48	Repairs to the latrine in Varadappamaistri Street	220	206	Paid in full.
49	Repairs to the Peons' quarters in the Robin- son Park	194	194	Do.
1	Carried over	16,722	15,186	

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

REVENUE ACCOUNT.

	PART II-REPA	AIRS-(Con	utd.).	
No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
		Rs.	Rs.	
	Brought forward	16,722	15,186	
	GRANT IPublic Works-(Contd.)			in trees
	2. Repairs—(Contd.)			- in the second
	(b) Buildings-(Contd.).	1.		
50	Repairs to Superintendent's and Sergeant's quarters in the People's Park	750	777	Paid in full.
51	Repairing the toll-gate No. 8 in Meda- wakum Tank Road	115	115	Do.
52	Annual repairs to Nariangadu model dwel- lings	280	¥ 292	Do.
58	Improvements to the 17th Division Stores	1,178	1,176	Do.
54	Repairs to the Isolation Hospital, Kistnam- pet	438	438	Do.
55	Repairs to Krishnampet incinerator	831	831	Do.
56	Repairs to the shed at Kistnampet burial and burning ground	328	328	Do.
57	Reconstructing the Peon's shed in the Hindu burial ground, Barber's Bridge	420	877	Do.
58	Potting up a sunshade in the licensing clerk's shed at Adyar Lock	200	200	Do.
59	Repairing the dhobykhana at Chetput	120	87	Do.
60	Petty works	12,508	10,195	
61	Relining the second size cupola with fire bricks at Corporation Workshops		106	Paid in full.
62	Repairing the Isolation Hospital at Krish- nampet		322	Do.
63	Making a 2 inch direct connection to the existing 2 inch pipe in Royapettah Hos- pital		156	Completed. Estimat Rs. 680 S. C. 10 1-17
64	Repairs to different wards in Lying-in- Hospital, Moneghar Choultry Road, 2nd			
	Division			Completed. Estimat Rs. 345 S. C. 10-1-17.
	Carried over		30,586	

PART II-REPAIRS-(Contd.).

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

REVENUE ACCOUNT.

PART II-REPAIRS-(Conid.).

				And the second se
No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	and the second s	Rs.	Rs.	
	Brought forward	33,890	80,586	
	GRANT IPublic Works-(Contd.)		ine-icentia	
	2. REPAIRS-(Contd.)	1.11		
	(b) Buildings-(Concld.)			
65	Colour and white-washing the Dispensary and Vaccination Depot Buildings in Aru- nachala Naik Road, Chintadripet, 16th Division		161	Paid in full.
66	Painting the main gates and railings around Ripon Buildings, 12th Division		152	Do,
67	Painting the Council chamber, ornamental gates, lift gates, clock-tour railings, etc., at Ripon Buildings		437	Do.
п	Repairs to sewage pumping stations	1,500	879	
ш	Labor	5,220	5,087	
	Total	40,610	\$7,302	
	Support and the second second			
	(c) Drainage.		inter starter	
I	Repairs to masonry drains			
1	Repairing the drain in Singara Garden, 3rd		the part of the second second	
	and 4th Lanes, Royapuram, 2nd Division.	220	179	Completed.
2	Repairs to the drain at the junction of Mannarsami Kovil Street and Brunton	220 150	179	Completed. Do.
2	Repairs to the drain at the junction of			the standing state
	Repairs to the drain at the junction of Mannarsami Kovil Street and Brunton Cotton Press Road Repairs to the drain in Ramanuja Aiyar	150	86	Do.
3	Repairs to the drain at the junction of Mannarsami Kovil Street and Brunton Cotton Press Road Repairs to the drain in Ramanuja Aiyar Street Repairing 12 inch sewer in Narayanappa	150 103	86 103	Do. Paid in full.
8	Repairs to the drain at the junction of Mannarsami Kovil Street and Brunton Cotton Press Road Repairs to the drain in Ramanuja Aiyar Street. Repairing 12 inch sewer in Narayanappa Naick Street, Constructing a manhole opposite to the flushout latrine in Thoppai Mudali Street,	150 103 450	86 103 306	Do. Paid in full. Do.

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

REVENUE ACCOUNT.

PART II-REPAIRS-(Contd.).

No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
	Brought forward	Rs. 1,283	Rs. 983	
	GRANT IPublic Works-(Contd.)		Contraction of the	
	2. REPAIRS-(Contd.)			
	(c) Drainage—(Contd.).		144	
7	Supplying and fixing cast-iron manhole covers to the Municipal drain inside the Ordnance lines ground, Georgetown, 9th Division	410	305	Paid in full.
8	Manufacturing 16 cast-iron gratings and 2 vertical silt catchers with iron bars for covering cesspits in Ammen Covil Street, Xavier Street, Barracks Street and Wall Tax Road		117	Do.
9	Providing cast-iron grating above the cess- pool at Ashtabujam Road, Chulai, 11th Division	100	84	Do.
10	Manufacturing 167 cast-iron gratings to cover the drains in Wall Tax Road	918	679	In progress.
11	Repairs to the drains in the 11th Division	110		Completed.
12	Cleaning and deepening the Municipal drain in Brick-Kiln Road	162	162	Paid in full.
13	Carrying out of side drain connections and construction of silt chambers, etc., at the lanes in the Naval Hospital Road Para- chery	150	144	Do.
14	Constructing washing platforms to the huts in the Naval Hospital Road Parachery		1,361	Completed.
15	Extending sewer in Cuddappah Rungiah Chetti Street and connecting it with sewer in Mattukaraveerabadran Street	440	281	Do.
16	Repairs to the drain in Rottigadangu Tiruvengada Mudali Street	260	211	Paid in full.
17	Disconnecting house drains from the sewer and allowing the sewage to discharge into side drains in Rottigadangu Tiruvengada Mudali Street, Periamet		183	Do.
18	Connecting drain and doing cast-iron pipe connection with fixing cast-iron gratings and constructing silt pits, etc., at the south end of Kennet's Lane, Egmore			Not commenced.
19	Repairing the storm-water drain at Male Asylum Road	107	107	Paid in full.
	Carried over	5,975	4,617	

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

REVENUE ACCOUNT.

Part II-REPAIRS-(Contd.).

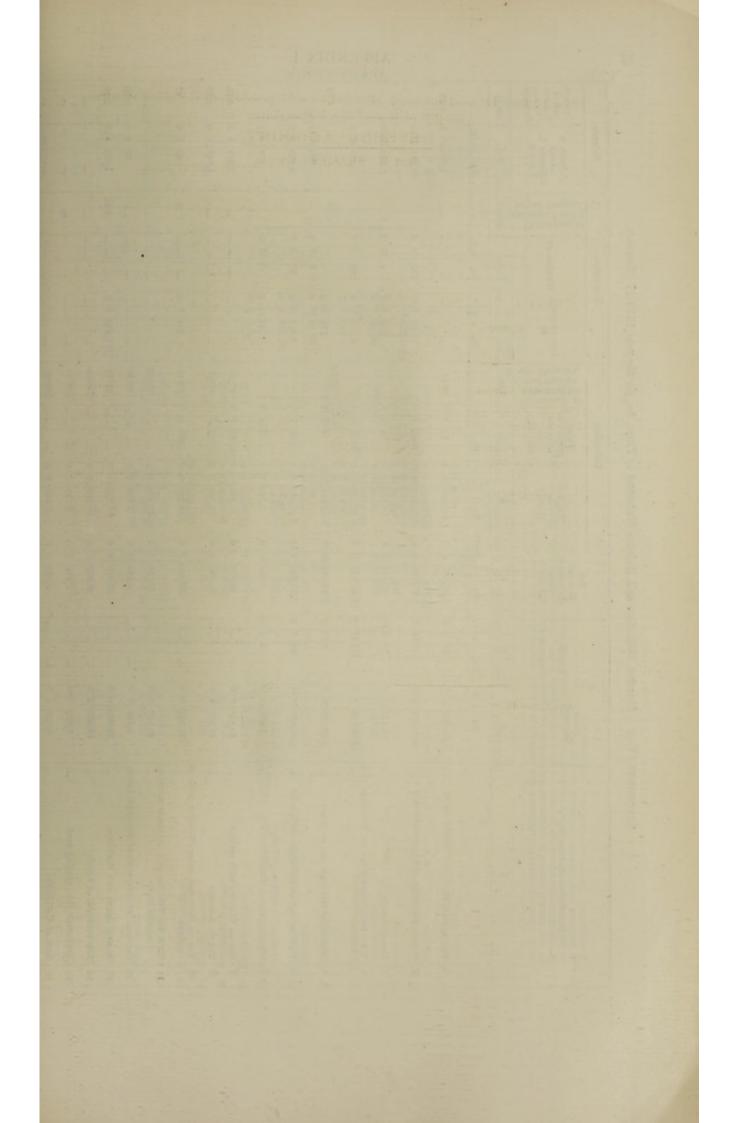
No.	Particulars.	Revised Estimate Grant.	Expendi- ture during the year.	Remarks,
	Brought forward	Rs. 5,975	Rs. 4,617	
	GRANT I.—Public Works—(Contd.). 2. REPAIRS—(Contd.).			A PT Weamp
	(c) Drainage—(Concld.).		A STREET, STRE	
20	Laying 6 inch sewer with house connec- tions in Mount Road near Thousand Lights Paracheri	630	507	Paid in full.
21	Extension of sewer in Singanna Chetti Street including house connections and connecting masonry drains in Sunkuwar Agraharam Street with the sewer at		pra las also	Arrear-Grant. Not
22	Chintadripet Repairs to drainage works inside the premises of Messrs. Simpson & Co., Mount Road	150	 820	Paid in full.
28	Repairing the overflow drain in the pre- mises of Messrs. Simpson & Co., Mount Road	702	715	Do.
24	Raising Syphon boxes and providing silt catcher buckets, etc., in Nagoji Rao Street, Triplicane	1,165	1,100	Do.
25	Removing and relaying 6 inch stone ware pipes in Meer Bakshi Ali Street	140	142	Do.
26	Manufacturing 108 C. I. manhole covers to replace the old manhole covers in various parts of the City	2,700	2,688	Do.
27	Constructing a silt pit and blocking up the overflow at Wall Tax Road junction of Ramanan Street, Georgetown	140		Adjustments anticipate in Revised Estimate not utilized.
28	Reconstructing the broken drain 500 feet long in Ramanen Street at the entrance into Wall Tax Road		76	In progress. Estimate fo Rs. 250 sanctioned by Standing Committee
п	Petty works	8,078	6,415	on 8-12-16.
ш	Pumping stations	1,92,000	1,68,283	
IV	Sewer main drain, etc	45,000	42,984	
v	Hire of coolies	63,700	55,190	-
VI	Maintenance of bullocks	77,750	74,326	
VII	Do carts	7,500	3,087	
	Total	4,05,950	3,60,450	

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

REVENUE ACCOUNT.

No.	Particulars.		Revised Estimate Grant.	Expendi- ture during the year.	Remarks.
			Rs.	Rs.	
	GRANT I.—Public Works—(Concld.).		6 m m		
	2. REPAIRS—(Concld.). (d) Water-Supply.	-			
1	Labor and Contingencies		42,000	36,890	
2	Cleaning filter beds and conduit and and plant	tools	7,500	6,826	
8	Repairs to meters including replacing ones and fixing new meters	old	5,500	6,062	Excess met from the savings under item 1 above.
4	Red Hills Lake staff		2,050	1,986	above
5	Filter beds and conduit		1,510	1,202	
6	Delivery channel		2,770	2,785	
7	Pumping station, Kilpauk		1,00,000	89,087	
8	Analysis of water		160	46	
	Total		1,61,490	1,44,334	
	(e) Miscellaneous.				
	Petty works		2.050	1,986	

Part II-REPAIRS-(Concld.).



STATEMENT IV-A - Demand, Collection and Balance Statement of Taxes, &e., for the year 1916-17 (Current).

														-					-	
	Percent- age of Balance to net Demand	9(a)		69-0				1-74			2.75	2.95	11.	:	0.10	2.70	:	:	:	
Balance			e,	+	10	9	0	11	6	11	0	0	0	1	0	8 10	- 1	ł	:	
In	7 5			1,030 13	60	1,382 12	1	898 12	0	00	00	00	0	1	+			:	:	_
B	column minus olumns 7 and 8	6	1	030	16,115	385	474	808	3,223	276	2,224	1,046	45		58	1,072				
	Column minus Columns 7 and 8		Rs.	1,	16,	1,	10,474 14		8		04	1,		:		1,	:	:	1	
-	8 bas 7 annules buanned sea of	(a)		:				69 67			:	:	12	:	:	3.65	:	:	:	
	Percentage of	8			-	04			-			:	1							3
	o	1	A. P.		03	12	-	00	01	15 10	-i-		Ť	1	1	i	-		:	
00	ten	00	-			+	0	00	1.9	0								-	-	
Remission.	vacancy, Written of		Rg.	1	285		189				:	:	:	:	:		:	-		
2	03°		a.'	1	10	05 04	00 E=	0.0	04	103	1	:	0	1	:	0	i	:	:	
	Can		<	:	7,087 1 1,315 11	1000	00	132 6 (d) 16 10	19 69	47 14 (d) 5 1	:	1	0	1	1	0 6	1	:	i	
	tra.	1-		100	310	203	6,115 (d) 855	13:	2,904 (d) 263	4.			234	-		41	3 10	-	-	
)	For		Re.	-	(d) 1,	. E	9.9	(9)	(d)	-	:				:	(/) 1,410	:	:	:	
1	net Demand.			-			ā				10	10	=	8	00	20	0	2	0	-
	collection for	6 (a)		99-41			ŝ	10			97-25	97-05	11-66	100-00	98 90	93-75	100-00	100-00	100-00	
	Percentage of	9				-								-		S.	-	1	- 12	3
			- 54	8	9	-0	4	11	00	00	0 0	0 0	0 0	i	1	1	:	:	1	
on.	tid lid		×	12 8		4 14	-	9 10	-	2 15				1	-	-	;	:	:	-
Collection.	Taxes prepaid in advance for 1917-18.	9	Rs.	1	3352	14	3179		670		5,658	1641	1599	i	1	:	:	:	:	
3		-		000	*: *·		c= 01 01 0	8 I O	10 10 2 1	- 00 00	000	00	00	01	0	00	63	9	φ	-
			-	100	010	101	129	0 01 1		- 09 60 1	000	0	00	00	01	11	00	1.	**	-
	For the year 1916-17.				61,538 (c) 183	(a) 88 10 13,733 10 (c) 45 15	112	(a) 57 6 8,926 12 1 (c) 29 11	(a) 366 1,91,040 (c) 36	(a) 11 2,746 (c) 9	76,239	38,167 0	(b) 1,683 30,378	43,576	5,288	37,199 11	39	2,920	5,528	- and
	For the year 1916-17.	10	Rs.	(a) 5 ,74,146	2,0	E. 89	23,488 (c) 117	(c) 8, 6)	(2)	(a) (a)	(b) 2,369 76,239	18	1,6	3,6	5,5	1.7	19,339	2,9	5,5	
	F 19		R	1,74	(a) 2,930 5 9,61,538 15 9, (c) 180 9	-	(a) 1,904 11 6,23,488 19 (c) 117 6		1,0		(9)	0	(9)	(e) 4			-			
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	3)	2						8		1					10	03				
	Net Demand Column <i>minus</i> Solumn 3	-		,18	.95	15,413	5,13	10'0	1,06	3,082 10	80,833	35,417	32,340	43,576	5,346	39,682	19,339	2,920	5,528	
	Net Demand (Column 2 <i>minus</i> Column 3)		Rs.	1,75,182	9,87,957	1	6,42,172	1	1,97,591		8	3	60	4			11	-	-	
			4	•	*	4 10	1 8	01	0 9	1 0	1	-	;	I	1	1	1.		1	-
	ted.		*	0	1 14	10	111	6	10	- 05			1		:		:	:	1	
	Remitted on appeal.	93	-	20	171		111	1	60		-			÷						
	Re		Rs.							-	:	1	1		1		:	:	1	
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	Gross Demand.	53	Rs.	202	35	15,128 10	00 00	10,028 10	62	3,085 11	80,833	35,417	32,340	43,576	5,346	39,682,10	19,339	2,920	5,528	- 41.4
	Dei		s.fe	1,75,202	9,88,129	15	6,42,284	10	1,97,625 13 11	00	80	35	60	43	10	39	19	04	-	
				-	6		9		-											
-				I	1	i	Water and Drainage tax on Buildings and Lands	i	:	i	:	:	Tax on Carts and other Vehicles without springs	ring	ands	:	:	:	:	
							50		-				wit	nte	ILa					
							din	8	an				8	8	ba					
	4						Int	and	TR		20		iele	nal	nše					
	, dec				ds.		2	H	All		ngs		Vel	huh	Mu	BBB		int		-
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	tion			ý	ugu	New 2	uin .	ain	uo	E.	C.B.	als	an	nite	COLL		of	3	Sta	
	din			8, 8	ildi	nda	Dr	ē	X	N	hie	im	rts	Veh	r o	nda	eds	8	H	-
	Description of taxes, &o.			Art	Bu	La	pu	hud	50	R C	Ve	An	°.,	n	t fo	I.a	oce	ude,	Ü	
	-			5	uo	uo	Vater a Lands	or	tin	tin	uo	uo	ax on 0 springs	olls on Vehicles Municipal limits	nen	lo	pre	ans	lo	•
				Tax on Arts, &c.	Tax on Buildings and Lands	Tax on Lands	Vat	Water and Drainage tax on lands	Lighting tax on Buildings and Lands	Lighting tax on Lands	Tax on Vehicles with springs	Tax on Animals	Tax	Tolls on Vehicles and Animals entering Municipal limits	Payment for occupation of Municipal Lands	Rent of Lands and Buildings	Sale proceeds of Lands	Esplanade, &c., grazing rent	Rent of Cart Stand	The lot of the state of the sta
				-	6.9		+	10	¢		00	6	10	=	12 1	13 1	14	15	16	-

APPENDIX I.

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	Years to which the Balance relates.	11	1916-16.	1913-14 to	(914-15 & 15-16. Do.	1915-16	1914-15 & 15-16.	1914-15:		1915-16.	1915-16.	1914-15 & 15-16.	atimitation
.0.	Percent- age of Balance to Net Demand.	10 (a)	1.60	175	11.22	пп	34.08		:	7-75	0-03	77 63	9-34
Balance.	Balance (column 6 minus co- lumns 7, 8 and 9).	10	Rs. A. P. 25 0 0 573 8 5	01 11 801 372 12 11 67 6 10	71 11 8 12 15 4 275 8 0 63 0 0	8 14 11	804 2 5	535 0 0	:	105 0 0	6 0 0	7,335,15 1	10,363 11 0
	Percent- age of total of columns 8 & 9 to Net De- mand.	(v) 6	0.31	3 61	0.85 1.42	:	0-51		:	5-39	3.72	:	3.01
Remission.	Written off.	6	Rs. A. P. 5 0 0 52 8 6	34 2 3	6 9 1 21 0 0 14 9 0				1	12 8 0	1		206 4 10
Re	For Vacancy, &c.	8	RS. A. P.	01010 87712 6 0 7 0	1681211 0 1 4		12 5 5		1		731 2 0	1	8,141 11 1
on.	Percont- age of collection to net Demand.	7 (a)	38-09	5 91.63	FT-93	68.88	66-41 100-00	100-00	1	100-00 86-86 100-00	96-25	22 47	87-64
Collection.	Collection. c	4	ns. A. P. 1,545 8 0 35,79213 7		4,474 1 5 106 1 7 2,178 13 1 979 6 5	72 0 5	68 2 6 1,54211 4 93 6 5	450 4 0	 	2,902 7 0 1,177 4 0 69 7 0	18,921 10 0	2,126 7 9	97,246 7 7
Net Do-	(Column 4 wittus Column 5).	9	A. P. 8 0 5 7	1 10 1 4 8 4	$\begin{array}{c} 4,721 & 2 & 8 \\ 119 & 2 & 3 \\ 2,478 & 5 & 1 \\ 1,05615 & 5 \end{array}$		2,359 2 6 2,359 3 2 93 6 5		1	2,902 7 0 1,351 12 0 69 7 0	19,65812 0 1	9,462 6 10	7 110938 2 6 5
	Remission (on objection. C	2	Rs. A. P. 332 8 0		1101-	÷	36 0 0		1				1,681 11 71
	Total arrear B Demand (Columns 2, 3 & 3(a)).	4	8. A. F. 908 0 0	0 1 1	4,721 2 8 119 2 8 3,396 13 1 1,651 11 0	80 15 4	2,359 2 5 93 6 5 93 6 5	51 8 0 985 4 0		2,902 7 0 1,354 12 0 69 7 0	19,65812 0	162 6 10	9 112839 14 1 1
	subsections amend- To meets and additions (year.	3 (a)	A. F. 2 8 0 7 11 7 33	10 8 21 4	212 3 5 4 	9 0 6	00 10		1	12 0 0 1	4,033 2 0 19		7,991 2 9111
0-1-0		3	A P. Rs. 8 0 53 6 7 1.69	10 0		13 0	6 0 6 5 6 5	100	1	1 1	0	20 CL	01
	Balance of last year.		RS. 1,330 26.937	957 17,507 624	5 3,367 210 4 1191011 1 3,030 8 0 0 1,51414 0	4 63 1	4 1,884 1 93	51	1	2,902 1,338 1 69	15,625 10	2 193	2 80,694 12
	Arrears of previous years.	63	MS. A. P. 45 0 0 9.134 3 2	1 3 1	1,141 12 8 0 48 13 31 1	63	420 8		1	101	1	7,269 4 5	24,153 15 2
	Description of Taxes, &c.	1	Tax on Arts, de.	Tax on Lands Water and Drainage tax on Buildings and Lands Water and Drainage tax on Lands	r Tax on Buildin ands r Tax on Lands Vehicles with sprin Animals	Tax on Curts and other vehicles without springs	Payment for occupation of Municipal Lands Rent of Lands and Buildings Grass Farm	Sale of Kubbish Hospital Receipts Moor Market	houses and Slaughter of animals for food	Lucense rocs on import of timber and firewood Liceuses registration	Payment for water for non-domestic purposes	Mercepts on account of Malaria reclamation works.	Total

APPENDIX I.

STATEMENT IV-C.--Showing particulars of classification of assessments of Profession Tax under each class of the Schedule as compared with that of the

APPENDIX I.

STATEMENT IV-D.--Outstanding arrears year war under the combined property taxes and the collections and adjustments made p

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1916-17.	Dutstanding balance on 31.3-17.	4	:	:	94	15	0	63
	Outstanding balance on 31-3-17.	2	1.	:	17	114	1,070	1,202
	on and n off.	á	:	ø	10	01	0	9
		*	:	12	Į	11	90	-
	Remission and written off.	ń	:	12	24	40	2,413	2,491
		á	10	œ	t=	6	-	=
	ction.		13	12	ю	10	1	=
	Collection.	Rs.	1	5,044	5,016	6,057	48,918	(a)65,035
-	nt nd-	d'	10	69	t-	10	I	0
	aing outsta alance incl g subseque ndments a additions.	÷	13	n	15	ю	n	0
-	Opening outstand- ing balance includ- ing subsequent amendments and additions.	RS.	1	5,057	5,057	6,213	52,401	68,732
	Remission and Dutstanding in balance on al. 31-3-16.	à	10	01	4	ю	I	0
		× ¥	13	a	15	11	i	64
		Rs.	61	5,067	5,057	6,208	1	16,327
		si.	20	ю	13	*	1	-
		γ.	6	ю	10	0	i	13
1915-16.		RS.	1	61	191	1,574	I	1,846
1916		÷.	9	0	00	10	1	
	tion.	۴.	t-	61	63	1	1	14
	Collection.	RS.	16	42	959	81,772	1	32,789
-	nd- nd- nd	Å.	6	t-	60	t.	I	61
	outsta ce inc seque ents a tions.	A.	14	0	00	ø	i	H
101	Opening outstand- ing balance includ. ing subsequent amendments and additions.	Rs.	20	5,179	6,208	39,555	1	50,963
		120	1	1	:	1	1	Total
	Period.		I	ſ.	:	ł	ł	
			For 1911-12	" 1912-18	" 1913-14	" 1914-15	" 1915-16	

APPENDIX I.

STATEMENT IV-E.-GRADATION LIST.-The following is a Gradation of the Combined Rates levied on Buildings and Lands.

1	8		19	6	00	10	10			00
-	f Tax	4	13	H	П	ĸ	12	00		15
TOTAL.	Amount of Taxes thereon.	Re	198	5,222	37,305	1,96,738	2,96,561	13,20,209		18,56,235
	Number of Buildings and Lands.		1,411	4,222	10,340	14,187	9,980	11,985		52,125
se,	age	<u>م</u>	9	01	00		F	00		00
Hot	Drair ng Ta on.	A	0	. 4	14	0	Г	01	8	10
Amount of House,	Water and Drainage and Lighting Taxes thereon.	Ra	37	471	2,458	3,567	2,817	19,163		28,514
	Number of Lands,		234	565	753	388	184	90	and the second se	2,214
ise,	uxes	1 6	4	C.F.	5	10		. 19		0
Hou	Drain ng Ta on,	10 0. W	10	r	11 CA	2012 - 4 - 4	11	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ŝ
Amount of House,	Water and Drainage and Lighting Taxes thereon.	Rs	191	4,751	34,846	1,93,171	2,93,744	13,01,046	and the	18,27,721
Number of	Buildings and Lands.	4. 1. 1	1,177	3,657	9,587	13,799	9,796	11,895		49,911
13 - PT C	0 200	2	: :	:	:	PE ;	• •	12:	1 15	:-:
	axes.			.:	:	i	:	:		Total
	Gradation of Annual Taxes.		Under 8 Annas	8 Annas and under 14 Re.	1 ¹ / ₂ Rupee and under Rs. 5	5 Rupees and under Rs. 15	15 Rupees and under Rs. 30	30 Rupees and upwards		
	241		Under	8 Anna	14 Rup	5 Rupe	15 Rup	30 Rup		-

APPENDIX I.

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										STATI	EMEN'	T IV-	FC	lassifi	cation	of As	seemen .	nfs an	der Ta	z on Ve	hicles	with S	iprings	and o	a Anim	als.										_			
Inter of	<u> </u>	with rate	Jat Divisi		Red Division.	3rd Divisi	-	4th Division,		talan,	6ah Divisi		Tah Division	. D	Sth triaton.	Dé	916 rision.	Jod Divisi		111h Diridon.	12 Div	th islow.	13th Divisio		14th Division,	150 Divisi		Division		Ifth vision.		RA Ision.	19th Divisio		20th Division	-	Tetal		Tota 1913
Artic		Half-ye	No. Am		la Imager.	Ne. 10	man N	Amour	th No.	Amount.	Su. Ano	ount. X	Amou	st. No.	Amount	Ne	Amount,	So. An	romat. No	o. Ameun	a. No. 1		So. Amo	at. No	Aminat	Se. As		Co. A man	m. No.	Amount	No. A	scant.	No. Ame	unt. N		at. No	1.00010	L No	. A.
	VEHICLES.	Es.	8.		18. A	10		B.	A	88. L.	8.	-	80.		Es.		Re. 4.			Er.		He. A.	En	4	1 R		-	Es.	4	R	4	84. A	Re		Re.		84	A.	
1	(a) Four-wheeled values with springs properled by chotricity, gas, steam or any other morthani- cal power	25	11 2	25 0	17 625 0	2	50 1	27 615	0 62	1.525 0	35 63	n 0	20 500	0 33	875	0 30	710 0	13 2	05 0	8 125	0 185 4	,cz5 0	112 2 80	0 0 11	4 2,550	0 215 5,	175 0	26 600	g 23	H25	0.12	900 G	45 7,3	00 e 1	04 2,650	0 3,3	37 28,4 <u>2</u> 8		
	(1) Pour-wheeled vehicle with springs drawn by but ar more leaves	15					-	2 30	a .			75 0	2 43	0 1	390	0 3	45 0				- 2	135 0		0 0	5 75	0 50 1	50 0	3 65	u 10	100	0 4	60 0		0 0	1 15	•	RX 1,246	• 1	101,7
0	Finar-scheeled vohiale with springs drawn by a lovan, male, hall ar ballock or by two or more horass under 13 hands, or by two or more node, halls or helicets		39 2	92 4	45 337	. 20 ;	150 0	10 697	8 334	982 8	185 1,3	12 8 3	- 747	8 22	1,847	* 117	877 8	42 3	a 7.0	PE 682	8 244 1	,530 0	195 2,00	5 0 11	tow 1	# 150 1,j	125 0.	28 585	0 194	945	0 83	622 8	89 61		.87 1,027	* 25	16,818	. 25	
m	Two-wheeled vehicle with springs fraws by our or more horses, wales, bells or bollocks	4)	60 2	79 0	185 856	0 69 1	210 8	78 351	9 66	297 G	105 8	23 0 3	146 837	0 12	805	8 10	314 c	47 1	156 H I	33 543	8 130	585 G	102 43		0 310	s 1,57 (01 0	87 341	5 355	1,002	0 216	979 0	833 1,4		20 8-14	0 2,3	02 12,304	0 2,6	17 11
11	Nicycle or triayole propelled by electricity, gas or electric	10			. 80			81 829	0 47	420 0		30 0	* 80	0	4 40	e 11	110 0	26 2	160 0	12 130	0 46	400 0	ay 614	0 0 0	679	0 69 1	0 00	13 130	0 29	190	0 12	120 0	56 M		3.8 3.10	•	35 5,760	• •	-
Y	Every atles bieycle as tricycle		3.53 3	00 0	80 182	0 23	46 67	147 291	0 300	600 0	340 2	US 0 1	190 308	0 12	2 254	0.201	402 0	106 1	108 0 2	188 176	0 442	854 0	334 75	8 0 13	3 305	0 725	150 Q	140 340	0 413	864	0 319	625 0	234 54	8 0 3	14 625	· 4,4	N2 8,924	· 4,5	12.04
17	Every other which with springs :-				1 1																																		
	(e) Perambulator			1			- 11	4 12	0 10	39 6	16	48 0	14 42	0 10	300	0 27	30 6	1	15 0	a 15	0 2	15 0	1	3 0	1 3	° 7	6 0				1	6 0	•	5 0	1 3	9 1	81 648	0 1	61
	(1) Jiarichahaw	3	17	51 0	40 150	1	6.0	89 347	0 195	315 0			174 632	0 13	411	11		28	81 0 4	43 1,353	0 281	723 0	117 88	4 0 1	D 117	0 31	23 O	6 238	0 203	6,0	0 85	255 0	74 22		52 154	0 2,1	19 4,367	0 1,9	12 A
	(c) Hand-cast with springs							2 6	0 22			26 0		0-	-				6 0		0 11	36 0		6 0 1			84 0	4 11			0			-=-	-		10 380		
	Total	13	201 1,8	04 8	195 1,990	8 116 I	102 B	484 2,782	8 741	42,250 R	564 8,5	00 8 7	105 8,181	8 BU	4,165	4 806	2,808 8	218 2,0	K2 0 7	TS 3,141	01814 5	293 0	925 6,10	T 16 53	1 5245	0 54Z 8,	147 0	79 2,417	a trio	5,34T	0 763 8	.03 *	895 5,21	8 8 1	97 6, 613	8 18,6	62 50, 532	0 13,8	17
41	Horse over 18 hands	13	83 3	97 6	49 247	* 23 1	172 8	82 652	8 121	915 0	184 1,8	80 0 1	104 780	. 21	1,612	. 113	847 8	19 1	42 8	15 542	8 232 1	,740 0	178 1,29	0 10 21	0 1,100	# 199 I,	47 8	80 637	8 110	1,850	0 130	825 0	133 9		101,00	. 2.	136 18,370	0 2.5	81.1
vin	Rosan of or under 18 hands	8	40 I	50 0	log 282	6 63 1		66 217	8 56	210	10% @	10 20	14 602	8 22	825	0 69	218 12	26 3	42 8	88 111	4 120	450 0	74 27	7 8 7	0 197	8 97 1	163 12	76 285	0 267	1,001	. 10	540 0	203 76	41 4	94 B41	+ 2)	44 8,04C	0 2,0	-
IX	Horse of or under 11 hands	-14	1	10 8	14 21		7 8	8 12			15 1	12 8	11 16			0 6		7	30 8	21 01	8 22	53 U	15 2	2 8		0 15	18 0	• •	0 21	31	0 12	25 0	83		17 21				176
x	Bullock or Ball	1	129 (H 01:	00 1,080	166 1	139 K	54 42	0 309	235 12	220 10	67 4 4	142 3.45	8 250	170	8 124	85 0	814 6	13 0 5	35 445	4 318	110 8	1.56 1.9		2 320	4 280 1	10 0	115 256	4 385	285 1	2 334	350 8	\$11 B		02 22	8 7,5	13 5,457	0 7.0	26 4
xI	Hale Buffalo	1	12	9 0	1 0 2	2 4												3							4 2	0					0 1	12				-	35 25		
XII	Ann	1	1									4							0 12	7 2	10 8	1 2			12 8	4 2	0 12	2 0	12				2	1 2 .		-	42 15	12	40
xIII	Dog				85 504		15 0		4 200		208 34			0 27	208	8 272	204 0			223		209 4			2 166			196 124									56 B,042		
	Total	114	895 77	8 1410	61 1,893 0	206 5	NG 8 3	1,007	e 791	1,5.87 18	736 2,53	10 1211	71 2,110	8 971	2,942	5 554	1,412 4	1004 1,0	4 10	078,877	10 3004 2	735 14	673 1,89	9 0 8	8 1,794	0 714 2,	137 8	150 1,293	0 1006	2,798 1	2 685, 1,	,607 4	1108 2,3	n « 1	84 1,794	4 10,1	80 35,41	4 35,4	
	Grand Total. Composed of 17,923 yearly items against 16,793 in 1915-16.	-	#16 2 (M		04.3,873 8		ald.	42 3,739			1000 1 00					1	4.220 12												110		3					TH	100 114250		F

STATEMENT IV-G.—Compares the receipts from the license fees levied on Import of Timber and Firewood and shows the rise and fall in Imports generally.

nus nus ns 13).		A. P. 8	12 8	4 0 0 4	00	0000	1 00	10×0-	15 5
Net (column 11 minus columns 12 and 13).	14	218230		88,107 221 5,639 42,611	479	92,498 457 7,075 10,428	159		
130 IS		Rs. 1,24,3 1, 5,90 44,40	01,74,959	8 6 6	1,31,479	92, 7, 7,	0 1,40,459	45, 45,	01,74,997
ds year.		A B	0 0	04 I I I	03	0 1 1 1	10 0	0 1 0	10
Sums with the Collecting Agencies at in the year, the end of the year.	13		15	00	58,348	17,644 10	47,644 1		182
<u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	-	88. 17,124	47,124	1		0 47,6		1	034,878
Sums with the Collecting Agencies at the end f the year.		A. P. 8 0 10 0 10 0 8 0	11 6	4000	1 0	0000 	10	0000	10
Sums with the Collecting Agencies a the end of the year.	12	RS. 1,347 1 413 1,102	2,864	1,742 6 625 1,595	3,969	1,283 50 390 1,178	2,902	1,835 31 424 1,285	3,576
	-		04	10000	10	1 21	0	1 1	5 3,1
Total of Columns 9 and 10.		÷ = = = = = = = = = = = = = = = = = = =	121	8881	13 10	6 6 8 1	10	아이거드	12
Total Column	H	ks. 72,862 144 6,371 45,570	2,24,948	43,197 227 6,265 44,106	2.796	41,426 507 7,466 41,606	900	01,59,603 0 6,785 0 6,785 0 46,434	02,13,452
10 55		-		01,43,001,43,00	6 1,93,796	-	6 1,91,006	1,59	2,13
Sums with the Collecting Agencies at the end of he previous year.		A. 4801-	3 6	8008	11 6	9000	1 6	N 0 0 0 0	0
Sums with the Collecting Agencies at the end of he previous year.	10		3,552	1,317 1 413 1,102	2,864	1,742 6 625 1,595	3,969	1,283 50 390 1,178	2,902
Su Ag C I I I I I I I I I I I I I I I I I I	-	0.0.000	8 3,6	41,1	100	0 1,7 8 1,6	8 3,0	0 113	5 2,5
- un			19	0.00 00 01	24	-001	-	0000	0
Total Columns 3 to 8.	6	RS. ,71,661 115 5,963 43,656	396	41,850 5,851 43,004	1,90,932	1,39,684 501 6,841 40,010	087	,58,320 579 6,395 45,256	650
of		and the second sec	2,21,396	1,41	1,90	the second se	1,87,037	01,58	02,10,550
Solar.	-		11 5	0008	8	9000	10101	0000	13 0
By Toll Gates collected by the Toll Farmer.	8	88. A 102 4 833,		125 1,169 2,008	18	176 1 1,258 1,817	8,253	292 4 1,360 3,256	1,913
Toll colle the Fa			6 2,859	0 1,1	0 3,306	6 1,8	6 3,2	: : 00	14
the second se		1 .000	04		1-1	120	101	1 1010	10
ByBucking- ham Canal (South).	-	RS. 62 171 6.439	6,073		6.314	60	7,559	. ::000	9,064
ByE			0	0.0	19	11-0	10	0 10	10
By Bucking- ham Canal (North).		A 0 8 M	12	121 12	6	100	100	4 1 10	6 0
Buckin Im Can (North)	9	10 10 34 8,820	0 18,864	0 3 0 15,486	0 18,400	 126 6,407	0 16,538	1 19,639	11 11 19,640
By	-	. 0000		0000		0000	10	411020	E
s. I. way.	10	- 0000	10	11000	10	6 10 % 12 6 10 % 12	10	Carlos and a state of the state	
By S. I. Railway.		Rs. 732 64 1,253	2,052	927 8 46 246	2 1,229	0 1,663 0 8 0 49 4 458	2,17	0 1,637 0 1,637 6 909	2,65
	-	* *****	12 9	113 88		000 4	14 4	881188	10
By Madras and S. M. Kailway.	-		63 1		4 0 33,035 11	0 19,268 12 5,346 8 13,828 4	0 38,939 14		102
By M and Hai		0 018,011 0 018,011 0 0 4,696	0 38,063	1 7 7 2	38,0	0 19,268 496 13,828	38,		32,0
and the second s		A. P. RS. 0 0 18,011 10 0 4,696	12	*	-	0	0	*011	+
By Sea collected by the Madras Port Trust since 1st April 1910.		State - And a subsect of the second		8,556	556	8,675	215	112	Total 1,41,038 4 0 32,692 10 6 2,690
By bert Port loct		RS. 1,52,805	1,528	1,28,556	1,28,556	1,18,675	1,18,	1,40,926	141
	-	1111	Total 1,528,82	1111	1	1:11	Total 1,18,575	111:	
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cs Ir		dwo I Pos		od b		ed we		edwo	
Articles Imported.		r Re wood		ood Rood		or R pood		or R ood	
		Timber Inferior Redwood Junglewood Posts, &c. Firewood		Timber Junierior Redwood Junglewood Posts, ác. Firewood		Timber Inferior Redwood Junglewood Posts, &e. Firewood		Timber Inferior Redwood Junglewood Posts, &c. Firewood	
2	-	FERE	-		-				
I of tion.		1913-14		1914-15		1916-16		1916-17	
Period of Operation.	-	191		191		191		161	
0 b									

APPENDIX I.

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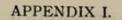
STATEMENT IV-H.-The several processes adopted for realization of the various Taxes, &c., abstracted below.

				NDIX						
				4 Q	0	•	1	0	0,	1
		at fe zed.		A. 13	9	12	;	•	12	1
		Distruint fees realized.	18	Rs. 1	4	8	:	-	0	1
ol b	ointiz	Number of Prosecutions ins default.	11	393	1	1,410	i	i	1	· 1
1		4	1	1, 21 1, 0	6 6	10	1.4	:	1	1
	Shortfall.	Amount.	16	RS. A. 0 10	8	20 11	2 15	1	:	
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RESULT OF		, and	14	< 1	14	:	+	1	1	. 1
RES	Surplus.	Amount	-	ši i	•	ł	26	:	:	1
	ao -	Number of cases.	13	. 1	61	. :	6	1	:	:
	1		1	4.0	0 1	80	0 2	1	1	:
bəsilı	eo teu	na si doidw sbrawot buamoU	12	RS. A. 10 12	122	104 12	34 15	1	:	1
					6	-	9		-	
				110	+	-	00	1	:	1
		Amount realized.	п	RS. 10	56	84	108	i	1	
IU.M. RI	sortai	Zumber of cases in which d sold.	10	1	16	60	11		:	1
noox		Xumber of warmants remaining ted at the close of the year.	6		266	16	:	1	1	1
DJUSTED.	1 1 1		x	85	889	218		I	75	8
WAPRANTS ADJUST	pue	By payment after execution cancelment.	-	ø	49	34	:	I	:	ł
WAPJ		By payment before execution.	9	49	810	184	:	I	75	25
ž		IntoT	5	62	1,125	234		I	92	26
WARRANTS.	ta h	Xumber remaining unexecutes the beginning of the year.	4	10	69 69	165		:	75	15
-	-	Number issued including arres	0	22	873	20	:	ı	1	10
	-	.boussi silik issued.	01	13,719	1,04,668	9,975	:	9,596	3,920	3,655
		Description of Taxes, de.	1	I Tax on Arts, &c	2 House, Water and Drainage & Light- ing Taxes on Build- ings and Lands 3 Tax on Vabiolas with	springs and Ani- mals	4 Tax on Carts	5 Payment for occupa- tion of Municipal Lands	Lands and Build- ings	7 Miscellancous Re- ceipts

100

APPENDIX 1.

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30	-	036	4	•1	01	0	1411	-	1	
	-	Total of Columns 5 & 10.		16	33	16		23	in genetic	Bana Int
14	197	4°0°	88.	1,75,697	2 9,78,291 9 10 10,14,933	6,68,194	1,98,750	1,16,137	5,364	buiance tit
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	10	1 2 2 1	A. P.	8	010	10 20	=	4 0	0	
	-	s &	100	511	-		0	2	219	
		Total of Columns 6, 7, 8 & 9.	R8.	1,74,151 10	8,8	6,34,377	0 1,94 170 11 11	0 1,12,979	5,295 15	
E THE	-	6		F	6	6,0	1,9	1'1		ansk j
			A. P.	8 0	13 2	13 11	0	12 0	9	
	6	After execution of warrant.	100	63	65 1	42 1			00	
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'Es		of warrant.		•	-	8	ø	69	1	· 41.2141 1
REI	00	before execution		245	7,967	5,178	1,593	278		
CURRENT.		After issue and	R8.		1	5,	1,		I.	
		Saf an Inconstruction	4	90	30		*	0	0	i month
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	2	of bill.		68				0	22	
	-	On service	RS.	1,73,859	9,67,239	6,27,193	5 11 1,92,186	0 1,09,099	5,292	
							1,9	1,0		
	12.28	and the second second	4	0 0	-	-	1	4 0		
	0	in the previous year.		10	3 15					
		Collected in advance	RS.	~	3,018	1,962	377	3,673	:	
		4. Se	A. P.	8	00 00	67	8		0)	
	10	Total of Columns 2, 3 & 4.		10	=		8	80	68	
	1	PO a	348.	1,545	36,641	23,817	4,580	3,158		
	-		ď	0	69	63	10	10		
			-v	0	00	64	0	14		
	*	After execution of warrant.	88.	15	140	286	12	26	:	
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ARREAR.			a'	0	1	æ	9	0	1	
-	8	of warrant.	¥.	00	14,680 12 11	04	-	12	:	
		After issue and before execution	RS.	112	,680	10,653	1,835	126	:	
		and and and a second second			17	10		-		
			A. F.	0 0	00 00	11 7	11		01	
	04	On service of bill.	1						88	
		apirne nO	83.	1,418	21,520	2,8	2,490	2,933		
1	1913	a mapping and		:	99 :	12,877			1.000	
		shart land and		Ren.	a series of	1701	2	st.		nett robout
		CLOBE STOLES						ima	and	and in the
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		Description of Taxes, &c.		kc.	Bu	rain	uo	lice	000	
		CRO		ts,	io x	Q P	Гах	chik	for	
		a		n Ar	Ta	an	ng	V G	ent	
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		wett a st att a		X O	one	at	an an	XX	ayı	
		mar 18 min		L. Tax on Arts, &c.	2. House Tax on Buildings and Lands	5. Water and Drainage Tax on do	4. Lighting Tax on	5. Tax on Vehicles with springs and on animals	6. Payment for occupation of Municipal Lands	21-2117

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TABLE No. 1.

Statement showing the current demand, collection, remission and balance under the combined property taxes as compared with the corresponding figures for 1914-15 and 1915-16.

Year,	Gross I mand			Remitted		1	Net Den	an	d.	Collect	ion	. 1	Remission written			Balan	ce.		Percentage of collec- tion to ne demand.
	Rs.	A.	P.	Rs.	A.	P.	Rs.	٨	P.	Rs,	A.	P.	Rs.	А.	Р.	Rs.	A.	P.	
1914-15	 16,53,188	15	2	1,601	12	3	16,51,584	2	11	15,93,408	4	5	16,011	9	5	42,119	5	1	96-48
1915-16	 16,97,840	13	3	564	12	8	16,96,776	(7	16,27,644		10	19,618	8	3	49,513	7	6	95-93
1916-17	 18,56,583	8 4	8	346	5	0	18,56,230	11	8	18,06,833		10	17,031	5	5	32,871	5	5	97-84

TABLE No. 2.

Statement showing the demand, collection, remission and balanceunder the combined arrear property taxes on buildings and lands as compared with the corresponding figures for the years 1914-15 and 1915-16.

Year.	Outstand balance the begin of the ye	at	g	Subsequ amendu and addit			Tot: demai		-	Collect	tion		Remissio writter			Balan	ce.		Percentag of collec- tion to net demand.
	Rs.	A. 1	P.	Rs.	Δ.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
1914-15	1,58,644	6	4	-66,087	2	3	92,557	4	1	76,184	15	3	790	13	1	15,581	7	9	82.31
1915-16	57,700	12	10	-6,736	14	8	50,963	14	2	32,789	14	7	1,846	13	7	16,327	2	0	64-34
1916-17	65,840	9	6	+ 2,891	12	6	68,782	6	0	65,038	11	11	2,491	7	6	1,202	2	7	93.57

TABLE No. 3.

Statement showing the number of Vehicles and Animals assessed for the year 1916-17 as compared with that of 1915-16.

	Description of Vehicles and Animals.	Number assessed in 1915-16.	Number assessed in 1916-17.	Percentage of increase or decrease
т	(a) Four-wheeled vehicle, with environmented	Pour Title		Long L
1.	 (a) Four-wheeled vehicle with springs propelled by electricity, gas, steam or any other 			
	mechanical power	944	1,137	+20.44
	(b) Four-wheeled vehicle with springs drawn			
17	by two or more horses	100	83	-17.00
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.	2,337	2,250	-3.72
III.	Two-wheeled vehicle with springs drawn by			alex and
	one or more horses, mules, bulls or bullocks	2,647	2,752	+3.96
IV.	Bicycle or tricycle propelled by electricity,			
	gas or steam	592	575	-3.88
V.	Every other bicycle or tricycle	4,512	4,462	-1.10
VI.	Every other vehicle with springs— (a) Perambulator	181	181	
	(b) Vinnichalian	1,922	2,119	+10.30
	(c) Hand-cart with springs	122	110	-9.83
VII.	Harrs over thirteen hands	2,581	2,436	-5.61
VIII.	Horse of or under thirteen hands or mule	1,994	2,144	+10.03
IX.	Horse of or under eleven hands	276	244	-11.59
X.	Bullock or Bull	7,596	7,548	-0.69
XI.	Mule Buffalo	46	35	-23.91
XII.	Ass	48	42	-12.50
XIII.	Dog	3,875	4,056	+4.69

TABLE No. 4.

Statement showing the Details of Refunds of other than current collections made in 1916-17.

	Particulars.		NULL N	Ame	ount.		
			11 al-al-	Rs.	Α.	Р.	research and a
Tax on Arts, &c.				1,217	8	0	
House, Water and I Buildings and Land	Drainage and ds	Lighting	taxes on	4,045	3	9	
Tax on Vehicles with	n Springs			67	0	0	
Tax on Animals				106	8	0	1
Tax on Carts				138	0	0	
License fees on Tim	ber and Fire	wood		14,394	15	2	191-fier es
Miscellaneous				2,154	6	7	
			Total	22,123	9	6	

TABLE No. 5.

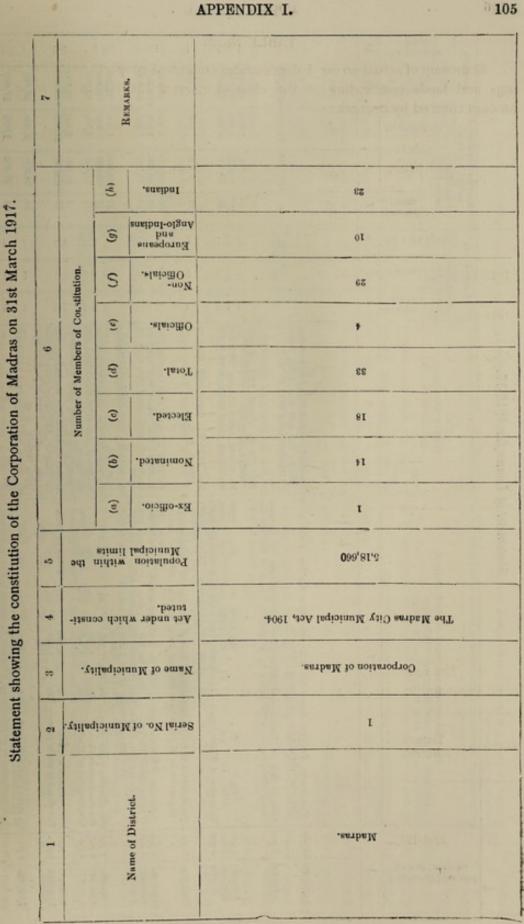
Statement of actual arrear balance under combined property taxes on buildings and lands outstanding at the close of the year 1916-17 inclusive of the amount covered by decrees.

Period.	Actual arrear to outstanding of March 1917 sive of the due by Gover for Military bu	n 81 exclusion sum	st u- nt	Amo cove by dec	red		Bala fo Recov	r		
100 T	Rs.	A.	Р.	Rs.	A.	P.	Rs.	A.	Р.	
1913-14	 17	2	2				17	2	2	
1914-15	 114	15	11				114	15	11	
1915-16	 1,070	0	6	17	9	2	1,052	7	4	
Total	 1,202	2	7	17	9	2	1,184	9	5	

TABLE No. 6.

The following statement exhibits the result of the elections in 1916-17 to fill vacancies among Divisional Commissioners.

Division.	Date of Election.	Date when gazetted.	Name of candidate elected.
19	22-1-1917	23-1-1917	Rao Bahadur G. Narayanaswami Chetti Garu.



FORM 1.

. 106

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bed	83	In Savin Janua	=		:	:	• •	:	:	i .			:	:	1	:
Invested		nnrevoð nI Seeurides	. 10	Rs.	36,200 13,89,700	39,400	53,800	7,200	16,800	23,800	39 900	002408	28,900	1,39,500	26,400	17,800
ferred	-21	6 T- 916I ¤I	0	Rs.	36,200	2,500	3,400	500	1,100	7,500	3.800	700	2,400		2,200	1,500
Amount transferred to Sinking Fund	Up to 31st March 1916.	.Junom A	8	Rs.	13,53,500	36,900	52,000 50,400	6,700	15,700	95,400 22,000	35.900	8,800	26,500	1,27,800	24,200	16,300
Amo	Up t Marel	Yumber of	-	Ra.	:	8	53.53	22	26	19	17	11	17		16	16
bia	21	81-916I ul	9		i	1	::	:	:	: :			i	:	:	I
A mount paid	Up to 31st farch 1916.	.annomA	10		:	:	11	:		:			:	:	:	1
An	Up to 31st March 1916.	years. Years.	+		:		::	:					-	:	:	1
	Date of Government	Sanction.			No. 2327, dated 17th July 1809, P. W. D. and No. 1279, dated 11th September 1873, P. W. D	No. 765-M., dated 11th August 1887. L. & M.	No. 852-M., dated 4th Aug. '88,L &M. No.1193-M.,dated 18thSept.'89, L.&M.	No. 1427-M., duted 25th October 1889, L. & M.	No. 1562-M. dated 18th October 1890	No. 16-M., Mis., dated 8th Jan.' 95. No. 883-M., Mis., dated 13th April 97.	No. 2215-M., Mis., dated 21st Decem-	vo. 1630-M., Mis , dated19th Sep. '98, No. 389-M., dated17thMarch'99, L&M.	No. 529-M., Mis., dated 24th April 1899, L. & M.	No.389-M., dated17th March'99,L.&M. No. 1530-M., Mis., dated 16th October	June 1800, L & M.	No. 700-M., MIS., Galed 1st June 1900 L. & M.
	to the second terms of the first of	FOR WIDE PURPOSE and retries on which taken.	6		Waterworks Project-Repryable in 50 years by a Sinhing Fund at 2 per cent. per annum. Taken in 1869-74.	Construction of Drains and Sewers for the Drainage of George- townRepayable in 50 years by a Sinking Fund of Rs. 820 per annum, Taken in 1887.	P.o. do. Rs. 1,200 do. do. Do. do. Rs. 1,200 do. do.	Extension of Water supply-Repryable in 50 years by a Sinking Fund of Rs. 170 per annum. Taken in 1889.	Construction of Drains and Sewers for the Drainage of Georgetown- Repayable in 50 years by a Sinking Fund of Rs. 400 per annum. Taken in 1880.	Extension of Water-supply - Do. Rs. 3,050 per annum. O. nstruction of Market- Do. Rs. 750 do.	To repay the Government loan of 1899-Repayable in 50 years by a Sinking Fund of Rs. 1,520 per annum. Taken in 1899.	For cleaning water pipes- Do. Rs. 380 do. do. For drainage works- Do 3.190 do. do.	Construction of Market- Do. , 1,140 do.	For drainage works- Do. " 5,930 do. Taken in 1900. For cleaning water pipes - Do. " 1,140 do. do.		To meet Flague charges · Do. " 760 do. do.
pu	a nao Jeoro	d fo fanom á tal fo otar	1		t 14,30,000 4 p.c.	1,00,000 6 p c.	1,50,000 5 p.e. 1,50,000 5 p.e.		50,000 5 p.c		2,00,000 4 p.e.	50,000 4 p.e.		7,80,000 4 p.c. 1,50,000 4 p.c.		1,00,000 4 p.c.

Statement of Loans for 1916-17.

10.				and the	1					7.7.			-	1	-	1	1	1		1
	:	1	1	:	:	1	+	ŧ	:	:		• •	1	:	:	:	:	:	1	
	001'02	69,300	25,600	I	i	73,700	17,400	6,900	34,300	:	22.300	11,900	2,900	5,600	7,400	1	7,100	500	1,52,500 23,61,400	
1,700	2,800	6,800	3,300	1	:	12,200	2,900	1,400	7,900	:	8.300	4,800	1,200	3,000	3,900	.1	7,100	200		urket loan
16,700	27,300	62,500	22,300	i	i	61,500	14,500	5,500	26,400		11.000	7,100	1,700	2,600	3,500	i	;	:	22,11,900	open ma
15	14	13	6	1	i	**	-	10	+		0	1 00	64	-	1	:	:	:	:	ents or
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1	:		-8-	56,068- 8-6	47,076-		1	i		7.527-	4-1	: :	:	:	:	1		:	259799 86,785- -12-1 12-8	arevious
:	:	: 9		t-	9	:	:	:	:	4		: :	:	:	:	:	:	:	:	d on p
No. 1089 M. Mis., dated 30th July 1901, L. & M. No. 150 M. Mis., dated 10th February	1902, L. & M. No. 35 M. Mis., dated 21st Japuary 1903 and No. 869 M. Mis., dated	25th June 1903	No. 31 M., dated 10th January 1907.	No. 1983 M , dated 10th Norember 1908	No. 1550 M., dated 16th September 1909	No. 1289 M., dated 12th August 1909	Do. do.	Do. do.	No. 2209 M., dated 14th December 1911	No. 2101 M., dated 29th November 1911	No. 1891 M., dated 15th August	Z	Do. do.	4	Do. do.	No 202 M., dated 28th August	No. 1508 M., dated 25th August	Do, do.		for the annual allotment shown in Statement II Mus interest realized on previous investments on open market loans.
For substitution of O. I, pipes for a portion of Sewer No. II. Repayable in 50 years by a Sinking Fund of Rs. 910 per annum. Taken in 1901-02. For drainage works — Do, 1,520 do. do. 1902.	Do. do.	Do. Repayable in 30 years by sixty equal half-ytariy	mstalments of Es. 20,1 For special buildings, Reparable in 30 ve	Rs. 2,100 per annum. Taken in 1906-07. For improvement of Water-supply and Drain 30 years by sixty equal half-yearly instal				4 p.c. For Napier Bridge. Repayable in 30 years by a Sinking Fund of	. For special buildings. do. do.	Foi	Paris .	a Rs. 7,150 per annum. do. Rs. 4,160	-	per Aunum. do. Ra. 2,700	per annum. Ror special buildings do. Rs. 3,640	Per annum. For repayment of the Georgetown drainage loan of 1885.	For improvement of Water-supply and Dra	years by a Sinking Fund of Ks. 24,040 per annum. For extension of Electric lighting, do. Rs. 2,080.		• Represents the value of socurities purchased for the annual allotment shown in Statement II Mus interest realized on previous investments on open marke ‡ Loans from Government.
4 p.c.	4 p.c.	4 p.o.	4 n.c.	4 p.c.	4 p.c.	4 p.c.		4 p.c.	4 p.c.	4 p.c.	4 p.e.	4 p.c.	4 p.c.	4 p.c.	4 p.c.	4 p.c.	5 p.c.	5 p.c.		
1,20,000	5,00,000	t 7,00,000 4 p.c.	1.00 000 4 n.e.	\$ 4,00,000	1 4,00,000	4,25,000	1,00,000	50,000	3,00,000	1 1,00,000 4 p.c.	3,42,000 4 p.c.	2,00,000 4 p.c.	50,000 4 p.c.	1,30,000 4 p.c.	1,70,000	2,04,680	13,00,000	1,00,000	1,01,41,680	

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General Fund-[Vide G. O. No. 244, dated 13th February 1882.]

	RS.	A. 3	P.	RS. A	1. P	2.
o Grant LPublic Works	5,56,928	12	4		8	5
, IIEducation	39,416	7	11	I second a second	0	1
, IIISanitation and Medical		i	-	" Revenue derived from Municipal		
Services	6,81,726	0	0	from Taxation 4.46.992	1	
, , IVMiscellaneous Municipal	1,71,239	2	0		0	1
	1,11,200	1	1		9	2
ment	1,11,394	3,	5	Patrone Revenue 1 Date		-
, Repayment of Debt	39,510	0	0		3	
Interest on Loan	90,064	0	0	a state of the sta		
"Advances recoverable	31,221	6	7		0	
, Refund of other than Current			-		2	-
Collections	20,293	15				
", Discount on Loan ", Pensions and Gratuities	28,016 26,093	10.00				
", Transfer to Water and Drainage	20,000	10	-			
Fund	2,63,470	3	5			
"Transfer to Lighting Fund Loan alc.						
" Closing Balance Revenue Account	7,20,970		5			
Do Loan Account	70,065	11	2			
Total	28,50,408	14	-	Total 28,50,408 1	-	-

Water and Drainage Fund-[Vide G. O. No. 244, dated 18th February 1882.] CR.

		Rs.		P	·		P.
Fo G	rant L-Public Works-	1011	1	-		1	
	New Works-				By Opening Balance 99,945	6	3
	Buildings	62	0	6	" Municipal Rates and Taxes-	1	
	Drainage	5,83,851	6	5	Water Tax on Buildings and		
	Water-supply	8,15,610	9	9	Lands 6,49,050	7	1
	Repairs-				Water Tax on Lands 9,517	13	
	Buildings	944	15	10	" Tax on Vehicles, Animals and Cart 50,637		
	Drainage-Repairs to			1	By Revenue derived from Municipal	1	1
	Works, &c	3,60,449	13	11	property and powers apart from		
	Establishment	56,555	13		taxation 1,18,486	9	1
	Overtime	8	0				
	Allowances	2,586	10	3			
			1		By Grants and Contributions-		
	Water-supply-Repairs to				From Government-	1	
	Works, &c	1,44,333	10	0	Improvement of Water-supply and		
					Drainage		
	Establishment	25,115	6	8	" Improvements to Kelly's drain		
	Allowances	1,690	9	10			1.
	Establishment-General	1,13,227	13	8	Payment for Water for non-		
	Miscellaneous-W. W. Contin-				domestic purposes 1,52,716	10	13
	gent	1.649	6	8	Sundry Receipts-Waterworks 15,025	0	
	Grant IV Mis. Municipal				Workshop Receipts 5,529	13	
10	purposes-	Contraction of the second			Extraordinary and Debt-	1	
	Other Charges-	1.		1	Loan 13,00,000	0	
	Payment for Red Hills Water.	31,534	0	0	Interest on Sinking Fund-		
	Contribution to Provincial				Waterworks Loan of 1869-73 47,731	11	1
	Funds					14	
	Stores	2,432	6			1	E
	Workshops	6,848	13	7		18	3
	Grant V Supervision and		133	12		1	
	Management	61,256	13	11			
	Repayment of Debt-		1				
	Sinking Fund	1,71,263	13	8			
	Interest	2,57,452	4				
	Advances recoverable	6,525	9	0			1
19	Refund of other than Current						
	Collections	1,584	14	5			÷
	Transferred to General Fund	1			THE R REAL PROPERTY AND	1	
	Revenue Account						
	Closing Balance Loan Account	73,618	3	4			
	Total	27,18,057	9	5	Total 27,18,057	1	9

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To Grant I— Establishment—General "Grant IV— A. P. 9 9 By Opening Balance— RS. 3,620 A. P. RS. Lighting—Establishment Allowance Labor 1,778 11 11 " Municipal Rates and ... 19,762 10 2 173 0 4 11,398 14 10 Taxes-••• Maintenance 67,905 5 6 Lighting Tax on Buildings and Lands— Lighting Tax on Lands and 1,96,221 4 5 Additional Lamps ... Sundries 1 10 66,180 2,864 6 7 Repairs to Lamps Posts and Other charges-Stores Workshops , Grant V-Salaries of Officers 5 9 , Miscellaneous-Refund from expenditure of previ-15,543 515 15 2 ,345 6 4 ous years Workshop Receipts 1,173 0 0 1,345 2,237 12 7 Extraordinary and debt 1,00,000 0 0 Head Office 2,261 8,496 9 0 9 7 Assessment and Collection ... Repayment of Debt--Sinking Fund ... Interest ... Refund of other than Current Collections ... Transfer to General Fund Transferred from General Fund Loan Account 4,260 0 0 8,043 12 4 10 295 11 11 ,828 12 9 5,135 9 7 39 50,828 Closing Balance (Revenue account). 33 75,185 Total 3,20,021 5 2 Total 3,20,021 2 5

Revenue and Capital Accounts for 1916-17 as compared with the Revised Estimate for 1916-17.

and the second sec	REVENUE	ACCOUNT.	CAPITAL	ACCOUNT.	To	TAL.
-	Actuals, 1916-17.	Revised Estimate, 1916-17.	Actuals, 1916-17.	Revised Estimate, 1916-17.	Actuals, 1916-17.	Revised Estimate, 1916-17,
Receipts-	RS.	RS.	RS.	RS.	RS	RS.
Opening Balance	7,85,424	7,85,420	1,42,476	1,42,480	9,27,900	9,27,900
Municipal Rates and Taxes	22,44,355	21,56,500			22,44,355	21,56,500
Revenue derived from Municipal property			and the second	A Martin		
and powers apart from Taxation	5,61,857	4,92,190	3,622	2,500	5,65,479	4,94,690
Grants and Contributions	1,38,126	40,130		***	1,38,126	40,13
Miscellaneous	2,08,613	1,82,950			2,08,613	1,82,950
Extraordinary and Debt	47,732	47,300	14,00,000	14,00,000	14,47,732	14,47,30
Advances Recovered	36,037	40,060	5,947	20,000	41,984	60,06
Transferred from Revenue Account			1,25,829	1,25,830	1,25,829	1,25,83
Total	40,22,144	37,44,550	16,77,874	16,90,810	57,00,018	54,35,360
al						
Grant I-Public Works	11,88,971	14,39,740	14,77,664	13,39,460	26,66,635	27,79,20
TT The setting	39,417	49,000			39,417	49,00
III-Sanitation and Medical Ser-	00,111	10,000				
vices	6,81,726	6,94,060			6,81,726	6,94,05
IV-Miscellaneous Municipal Pur-	oforfino	- destero			-tont	010 01000
poses	3,23,174	3,86,800	53,215	50,000	3,76,389	4,36,80
V-Supervision and Management	1,85,657	1,90,700			1,85,657	1,90,70
Repayment of Debt	2,15,034	2,05,570			2,15,034	2,05,57
Interest on Loans	3,55,560	3,59,940			3,85.560	3,59,94
Advances Recoverable	31,221	25,020	6,526		37,747	25,02
Refund of other than Current Collections	22,124	42,000			22,124	42,00
Discount	28,016	28,000			28,016	28,00
Pensions and Gratuities	26,094	26,100			26,094	26,10
Transferred to Capital Account	1,25,829	1,25,830			1,25,829	1,25,83
Closing Balance	7,99,321	1,71,790	1,40,469	3,01,350	9,39,790	4,73,14
Total	40,22,144	37,44,550	16,77,874	16,90,810	57,00,018	54,35,36

Lighting Fund-[Vide G. O. No. 244, dated 18th February 1882.]

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Remakes.	10									
Closing balance (col. 6. \$1as col. 8).	6	Rs.	11,892	4,013	1,17,288	73,618	:	10,384		and a second
Balance of such grants remaining unutilized at the close of the year (col. 1 minus col. 7).	8	Rs.	11,892	4,043	19,288	:	:	10,384		
Expenditure incurred during the year out of the balance of grants sanctioned in previous years shown in col. I.	7	Rs.	56,838	928	:	99,945	6,318	:	10,223	and a second
Balance of grant at the close of the year (col. 4 minus col. 5).	6	Rs.	:	:	98,000	1,05,000	:	:		
Actual expenditure during the year out of the grants shown in col. 4.	5	Rs.	:	:	:	31,382		:		10-10-
Amount of grant receiv- ed during the year.	4	Rs.	:	:	98,000	1,05,000	:	:	:	
Purpose for which the grant was made.	3		For Malaria investigation	For construction of bear pits and aviary in People's Park	For Sanitary Works	99,945 G.O No. 422-M. For improvement of Water-supply dated 28th Feb. 1916. and Drainage	For construction of model cow- houses	For acquisition of lands for washermen settlement	For improvements to Kelly's drain.	ASSAN AMALE
No. and date of Government order sanctioning the grant for the year.	61		:	:	G.O. No. 163 M. Mis., dated 1st February 1917.	GO No. 422-M.) dated 28th Feb. 1916.]	1	:	:	
Opening balance.	1	Rs.	68,730	4,971	19,288	66'66	6,318	10,384	10,223	- Areas and

Statement showing the expenditure on works in charge of the Special Engineer for the last nine years since his Department was created.

	Particulars.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	Total.	-
28		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Water-supply:-New Works	94,108	2,06,778	3,47,217	4,81,338	6,63,591	17,29,367	6,36,480	4,64,476	8,39,720	54,62,075	
	Drainage : Do	. 67,240	86,216	4,18,032	5,37,049	4,69,810	3,20,136	3,03,622	6,66,175	6,14,650	34,82,930	
	Drainage (1)	:	86,324	1,14,889	1,21,774	1,42,912	1,46,546	1,85,870	1,80,974	68,285	10,47,574	
	Maintenance Sewer cleaning	.:	15,303	21,344	14,385	18,270	:	:	:	:	69,302	
	 (2) Water-supply :Reparts, Kilpauk Pumping Station 	:	:	:	;	:	· 1	20,812	87,007	35,302	1,43,121	
	Works executed and the cost charged to											
	Revenue account	:	7,930	9,863	8,864	1,373	13,380	6,152	:	39,705	87,267	
	Private work executed	:	455	1,013	729	1,354	23,298	72,337	3,736	:	1,02,922	
	Anti-Malaria Engineering Works	:	:	:	:		:	:	19,625	8,822	28,447	
	Total	1,61,318	4,03,006	9,12,358	11,64,139	12,97,310	22,31,727	12,25,273	14,21,993	16,06,484	16,06,484 104,23,638	
1			(1) Hande (2)	Handed over to Works Department on 1st August 1916.	ts Department	on 1st August do	1916.					

APPENDIX II.-TABLE No. 1.

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SPECIAL WORKS DEPARTMENT.

Expenditure under Capital Account.

Partice	ilars.	18 19		Amount f 1-4-190 to 31-3-1	8	m	Amount 1 1916-17		
				Rs.	А.	Р.	Rs.	A.	P
Drainage	Secti	on.					12		
New Drainage Works "Spe Establishment—	cial "			37,86,248	10	2	8,31,623	1	1
General Branch				1,58,547	2	2	23,327	14	1
Design and Construction				3,35,268	11	11	36,519		
Famine Allowance				2,201			233	100	
Conveyance Allowance				13,161 925		10	2,341	12	
Charge Allowance Sewer No. II				568					
George Town Drainage				889	100	0			
Miscellaneous				1,53,783	3	8	18,693	12	
Т	otal fo	or Drainage Wo	orks	44,51,593	1	3	9,12,738	11	-
		Sales of Sto	ores	9,68,663	11	2	2,98,088	6	
		Nett Expendit	ture	34,82,929	6	1	6,14,650	4	1
Water-wor	ks Se	ction.	-	. 2 7					
New Water-supply Works '	Spec	ial "		30,21,025	15	3	1,45,626	11	
Establishment-									L
General Branch				1,35,149	9	9	11,659	15	
Construction				1,53,171			3,998	13	1
Famine Allowance	0.00			1,673 3,788		10000	82 25	11	
Travelling Allowances to Charge Allowance				732		5 9	20	11	
Miscellaneous				59,517			4,453	7	1
Distribution Scheme-			-						ŀ
Establishment				80,311			16,510		
Famine Allowance				225		5	1 200		
Conveyance Allowance Works, &c				4,080 26,34,728			1,369 7,12,363		
	Tot	••• tal for Water-wo		60,94,405	-		8,96,174	-	-
	10	Sales of St	-	6,32,329			56,454		L
		Nett Expendit	and the second sec	54,62,075	-		8,39,720	_	-
Summary of	Expe				-				-
Drainage Works				44,51,593	1	3	9,12,788	11	
Water-works				60,94,405			8,96,174	13	
		Т	otal	105,45,998	8	.0	18,08,913	8	1
	Dee	duct Sales of Ste	ores	16,00,993	6	8	3,54,543	1	1
		Nett Expendit		1 1 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		+	6	1

APPENDIX II.-TABLE No. 2.

SPECIAL WORKS DEPARTMENT-DISTRIBUTION SCHEME.

Contract M. and M. No. 22-A (Turner Hoare & Co.)

Delivery of C. I. Pipes to 31st March 1917.

Diameter of pipes in inches.	Length of pipes in contract in feet.	Total number in feet delivered up to 31-3-17.	Length of pipes to be supplied in feet.	Remarks.
42"	48	48		- DROWING
40"	168		168	
36″	1,896	*1,884	12	
33"	1,410	1,383	27	
30"	717	717		
27"	1,194	1,167	27	
24"	480	471	9	
22"	24	24		
21"	276	249	27	
20"	24	24		
18"	2,160	2,160		
16″	504	504		
14″	5,640	5,640		
12"	14,520	14,376	144	
. 10"	8,280	8,220	60	
9″	7,110	7,029	81	Section 1.
. 8"	1,440	1,440		
. 7"	6,480	6,480		den de vie ande
6"	4,950	. 4,941	9	
5″	9,900	9,900		
. 4"	1,80,000	1,79,460	540	
3"	900	. 900		
2 <u>1</u> "	6,300	6,264	36	
2"				
Total length in lineal feet.	*2,54,421	2,53,281	1,140	

• Includes 4,149 ft, of C. I. turned and bored pipes of sizes.

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APPENDIX II-TABLE No. 3.

SPECIAL WORKS DEPARTMENT-DISTRIBUTION SCHEME.

		Contract No. 10-Main (M. Bashyam Naidu	No. 1. l.)
Diameter of Pipes.	Length in Contract.	Total laid to 31st March 1917.	Balance to be laid.
42"	13,738	13,580	
36''	4,935	4,821	
33"	1,048	1,707	
80**	1,698	1,739	
27"	1,962	1,959	
24"	735	859	
20''	1,382	1,891	
18"	2,225	2,249	
16"			
14"	1,040	1,213	
12"	1,673	1,898	
10''	1,614	1,670	
9**		225	
8"			
7"	688	792	
6"	2,092	2,097	
. 5"			Land Land
4"		844	
Total length in lineal feet	35,430	36,544	
Value of Work Rs	1,22,388	1,52,221	

C. I. Pipes laid up to 31st March, 1917.

APPENDIX II-TABLE No. 4.

CONSTRUCTION WORKS-WATER DISTRIBUTION SCHEME.

DISTRIBUTARY PIPES.

Laying Cast Iron Pipes.

		Total to 31st	March 1917.		-
Diameter of Pipes.	Contract W. P. Nos. 9 & 9-A.	Contract W. P. Nos. 10 & 10 A & 10-B.	Contract W. P. Nos. 11 & 11-A.	Total.	Remarks
	Lineal feet.	Lineal feet.	Lineal feet.	Lineal feet.	245
18•	. 1,889		6,881	8,770	1. 1.
16"	. 2,474		3,221	5,695	- Antonia
14"	. 2	1,882	3	1,887	land, Li
12"	. 986	3,010	7	3,953	
10"	. 3,735	3,701			- Inde
9"	. 1,213	1,908		3,121	
8"		872	50	922	
7"	. 1,856	920	2,214	4,990	
6"	. 6,916	5,363	7,333	19,612	N. 8
5"	. 5,757	2,549	16,375	24,681	
4"	72,642	52,522	42,207	1,67,371	
3"	. 5,741	5,146	5,682	16,569	
21"	. 1,583	2,015	1,021	4,619	
2*	. 457	134	59	650	
Total length in lineal feet	1,05,201	80,022	85,053	2,70,276	
	Rs.	Rs.	Rs.	Rs.	
Value of works executed	00 000	8 1,280	74,166	2,45,784	

APPENDIX II-TABLE No. 5.

CONSTRUCTION WORKS-DRAINAGE SECTION.

Laying Cast Iron Pipes.

	Total	to 31st	March 1917.			
Diameter of Pipes.	Purasawak Gravitation 1 No. 5.	Main	Purasawak Branch Sev		Rema	arks.
42"	Lineal feet. 204	No.	Lineal feet.	No.		Distance + +
36" and 33"	595	'			The same of the	
24"			134			
18"	1		699			
16"			2,386			
Manholes		9	-11	18		
Total length of pipes laid	799	9	3,219	18		·
Value of work exe- cuted	Rs. 67,6	29	Rs. 78,82	8		

APPENDIX II—TABLE No. 5-A. Purasawakam Gravitation Main—Brick Sewer.

Contract Pm. No. 1.

N. B.—The Contract was cancelled on 23rd August 1916. The work has been completed departmentally.

	Trench excavated.	Concrete laid.	Completed sewer built.	Manholes built.	Expendi- ture on work done.
State I La	L. Ft.	L. Ft.	L. Ft.	No.	Rs.
By contractor	. 620	565	558	3	14,400
By Department	1,730	1,785	1,792	4	56,017
Total	2,350	2,350	2,350	7	70,417

APPENDIX II-TABLE No. 5-B. Napier Park Gravitation Main-Brick Sewer built.

	Trench excavated.	Concrete laid.	Completed sewer built.	Cost of work.	Remarks.
By Contractor Contract N.P. No. 1	L. Ft. 3,467	L. Ft. 3,467	L. Ft. 3,467	Rs. 46,000	
By Department	4,198	4,198	4,198	70,300	
Total	7,665	7,665	7,665	1,16,300	

APPENDIX II-TABLE No. 5-C.

CONSTRUCTION WORKS-DRAINAGE SECTION.

Departmental Sewer Laying.

Diameter				Total to	31st	March 1	917.			the property
of Pipes.		Purasawa Area		Royapu Area		Law Col Area		Napier I Area		Remarks.
		Lineal feet.	No.	Lineal feet.	No.	Lineal feet.	No.	Lineal feet.	No.	
18"		1,908		326						
15*		954		847						
12"		2,231		1,886						
9"		5,178		19,790		354		1,494		
6"				17,411		164		1,981		
Manholes			76		224		4		19	
Lampholes					8,					
Flushing sh	afts.				66				5	
Total		10,271	76	40,260	298	518	4	3,475	24	
Value of w executed	ork	Rs. 1,14,699	.3-4	Rs. 1,13,097-		Rs. 1,31		Rs. 11,00		

APPENDIX II—TABLE No. 5-D. NORTH TRIPLICANE STORM WATER DRAINS.

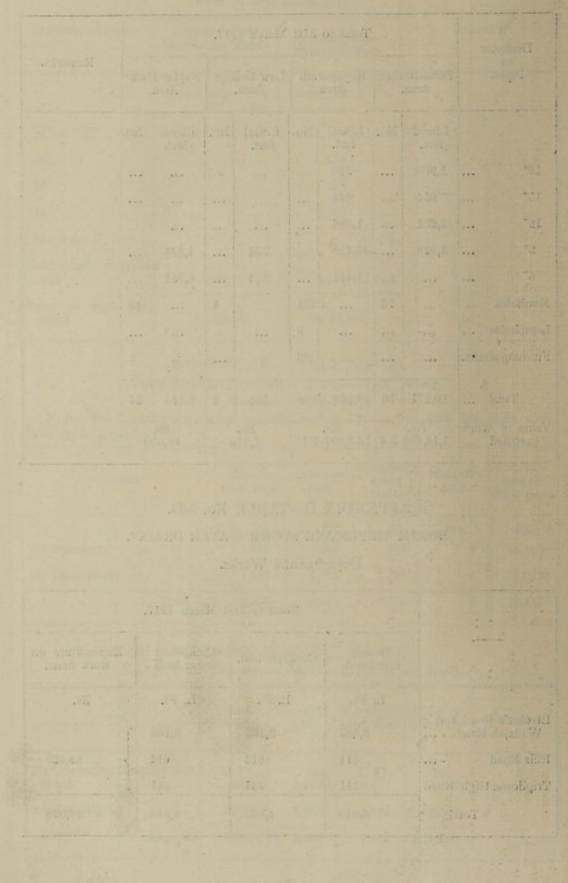
Departmental Works.

		Total to 31s	t March 1917.	
-	Trench excavated.	Concrete laid.	Completed sewer built.	Expenditure on work done,
	L. Ft.	L. Ft.	L. Ft.	Rs.
Blacker's Road and Wallajah Road	3,185	3,185	3,185	1
Ellis Road	614	614	614	48,028
Triplicane High Road	241	241	241]
Total	4,040	4,040	4,040	48,028

APP MDIN II-TAMILS No. 8-0.

COLLER TOX NUMBER WARRAND

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APPENDIX II-TABLE No. 6.

SPECIAL WORKS DEPARTMENT, WATER-WORKS SECTION.

Statement of Contract awarded in connection with the New Water-supply.

REMARKS.																						
R																						1
on.		×		17		16	11	16		16	1	:		:	;	1	:	:	:	17	16	
Date of Completion.		w.		1		-	04	12		9	i	:		:	:	:	÷	ł	÷	+	11	
Con		Ċ.		10		5	13	19		6	:	1		ł	÷	1	ł	1	-	21	58	
order		Υ.		10		29	13	13		10	16	1		14	16	16	17	15	:	16	15	
Date of order to Commence.		w.		-		10	9	10		Ξ	61	ł		64 -	09	03	*	10	:	10	10	
Date		o.		9		-	30	ø		60	1	:		+	1	1	1	-	1	81 0	6	10
Iged.	-	A, P.		0.0		0	0 0	0		0 0	0		-	0 0	0 0	0	0	0	0 0	0	0	10
Amount of Security lodged.		Ks.		30,000		3,000	2,000	1,000		10,000	10,000	1		250	250	250	250	250	250	100	500	58,100
ko .		a;		0 10		00	0 0	10 10		1 10	-			211	6	10	1	0	1	16 7	0) 64	10
of wo	-	A.								11 19						84 10	:		:		88	
Value of work executed up to 31st March, 1917		R4.		6,21,184		1,45,637	1,52,221	26,147		3,86,784	7,95,454	:		78,429	2,574	39,184	•	41,313	:	30,820	23,988	28,43,739
	-	A. P.		14 1		2 11	14 9	12 0	<u></u>	0 0	13 9			2 11	6 0	10 2	-		+	14 0	0	100
Amount of Contract.		Rs,		7,12,359		1,72,709	1,22,388 1	24,800		3,90,695	5,23,110	1		78,429	2,574	39,184	1	41,313	:	36,064	32,000	21,75,630
Name of Contractor.			Construction.	A. Subramania Iyer	Messrs, M., Bashiam Naidu an I A. S. Krist-	naswami Iyer	M. Bashiam Naidu	A. S. Kristnaswami lyer	Materials and Machinery.	Messrs. Simpson & Co.	Messrs. Turner Hoare & Co		Piece Works.	M. Shaik Davood Saib.	M. Bashiam Naidu	Messrs, C. Munuswami Mudallar & C. Kanni- appa Mudallar	M. Bashiam Naidu	0 Messrs, C. Munuswami Mudallar & C. Kanni- appa Mudallar	M. Bashiam Naidu	Materials. Messrs. Oakes & Co, Ld.	M. Bashiam Naidu	
		a		1 0 1	0		0 0	100		0 0	0 0	0 0		0 0	0	0	1	0	1	0	1	0
unt nate.	-	¥.			C C														:			
Amount of Estimate.		KS.		7,28,113	1,71,045		1,23,450	23,000		4,00,000	5,72,184	1,71,000		90,195	2,960	45,060	i	47,510	:	40,000	i	24,14,617
Description of Works.		(Contract Nos. 1, 2a, 3a, 4, 6, 8, 9	and 11 completed and 2 and 3 cancelled).	b Filter Beds, Filtered Water Reservoirs and Accessory Works	Kilpauk Pumping Station and Elevated Tank Masonry Work		Laying Main No. 1	Compound wall for the New Water- works, Kilpauk	(Contract Nos. 1, 2, 4, 7, 8, 10, 11, 13, 16, 20 and 28 completed).	9 Steam Engines, Pumps and Boilers	A Cast-Iron Pipes and Specials	Venturi Meters, Waste Detection Meters, Special Castings, etc	Contract Nos. 1, 2, 3, 4, 5, 6, 10, 11, 12, 13 and 14 completed and 7 and 8	-					-	(Contract Nos. 1, 2, 3, 4, 5, 6, 7 and 11 completed) and 9 and 10 determined. Galvanized Iron Pipes and Filtings	9-A Filter Sand	Total
Contract No.				W.W. No.b	1		10	12		M.M. No. 9	22-A	25		P.W. No. 9	V-8	10-A	10-B	A-11	11-B	W.W.M.	d	

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APPENDIX 11-TABLE No. 6-A. SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

Statement of contracts awarded in connection with Special Drainage.

-	Clan					meaned with openial Dialudge.		-			0		1			1	-	1
Contract No.	Description of works.	Amount of Estimate.	t of		Name of Contractor.	Armount of Contract.		0	Value of work executed up to 31st March 1917.	wor! 10.3		Amount of Security lodged.	lodge		Date of order to commence.	to pee	Date of Completion	te of letion.
	Combact Not. 1.2 2.4 5.4 and 7	Ra	1 2	à	Construction.	Rs.	*	ď	Rs.		a'	R.	Y	a.	D.	N A	ä	M'Y.
	completed.				Materials and													
M-M. No.	23, 24-A and 26 completed)				wacutuery.						-							_
16	Pumping machinery for Sewage Farm Pumping Station	1,95,700	•	0	Messrs Barn & Co.	1,((5,045	0	0	305,05	0	0	5,000	0	0	18	1 13	1	1
18	English Stoneware pipes, specials, &c	8,08 000	•	0	Messrs Richardson & Cruddas	8,04,445	**	10 1,	1,69,287	=		10,006	0	0	"	6.14		-
12	Cash-kon manhole covers and frames.	30,000	•	•	Messrs Oakes & Co , Ld	c00/08	0		28,000	•	0	1,000	•	0	-	-10	19	9.16
\$2-V	Cast-iron pipes and specials	I		E	Messrs Turner Hoare & Co.	1,42,928	0		:		:		i	à	1	10 10		1
ä	Pamping plant for Pycroft's Road, Pamping Station	8,970	•	0	Mesars SiemonsBrothers Dvenue Works 1.4	4,288	0	0	3,788	0	0	500	0	0	8	4 15	11	116
18	Supply of table moulded bricks	1	1	i	T. Swammatha Pillay	2			010.18			1 000	-		-	1		
					ration on 19-1-1916)	16,800	0		A + 24 + 4		b.	A	>			0	:	1
65	Cast-iron wall shelces, 3 feet dia	13,575	•	0	Messrs Terner Hoare & Co	12,975	0	0	12,975	0	0	200	•	٥,	I	+	1	
30	Steel stil calcher backets	8,000	•	0	P. Kistappa Chetty car- rying on business un- der the name of P.			-										
31	Pumping Machinery for Porasawa- kam Pomolos Station			;	Nallasmethu Chetty	6,737	× :	• ;	6,437	00 1	•	200	• ;	• 1	8 :	0	= ;	5-
22	Pumping Machinery for N		:	ł.					-									-
10		1	1	:		1	1		1	1	:	1	1	i	;	1		1
9		I	1	I		i	1	1	1	1	1	1	1	I	1	ŀ	1	+
18	-	I	:	1	Piece works			1	1	1	1	I	:	ł	1	F.	1	1
	<pre>termark res. 1,2,3,4,5,7,5,9,10,11,12, 13,14,15,16,17,18,19,20 and 21 completed.)</pre>				Tondiarpet.													
	(Centract Net. 1 to 10 completed) Suppy of materials Centract				Tondiarpet materials.			_										
	Not. 1 to 3 completed.				Harbour overflow						_							
	(a) Parasawakam Arca.				Sewer work.			_		-						_		
	(Centract Pen. No. 2 completed.)				Madras main drainage.		-							-	1	-		-
P.m. 1	Supply o	1	I	1	T. Swaminatha Pillay	10,800	0	0	9,785	0	0	200	0	0	-	10	1	+
					Construction			_		-				-		_		- 7
Pm. 1	Construction of 30" and 21" diameter brick sewers in Vedavinayagar Road.	128'90'1.	9	=	O. Sudarsamam Maistey.	10,633	01	0	5	_	=	1,000	0	0	19	10 15	1	1
64 B	Do. do	:	1	1		1	1			:	;	:	1 .	:	1	I.	i	1
10		16,920	I	1	Metsrs Parushottam Naide and Kuppusami	11,675			8.100	-	-	800	0		14	910		2 12
	Parasapabam Arca.				Excavation.													
P.W.1	Excavation work for sewer laying	15,365	0	0	T.C.Sabramania Malstry	13,143	=	60	13.143	=	19	I	1	;	:	1	I	+
61	Ercavation work for construction of Gravitation Main No. 1	1	1	1		1	-	1	:	1	:	;	1	;	:	+	:	1
	(b) Royaparam Arca.						-	-						-				
									-	1	-		:			_		
P.W.1	Convertaging		1	I				-	14.518		=			1				
		16,695	•	•	Narayana manury	010/81				0	:	1		I	1	1	I	1
	[Place work Contract for work sametioned by S. C. on 21-12-14.																	
	completed 1					-								-				
N.P. 1	(d) Napier Park Area. Construction of 8 feet diameter brick	*1 09 670	<	0	M. Rachwan Naidu	53,736	=		49.513	-	=	1,000	0	0	-	1215	1	-
			2	•										1		-		-
		1	1			1		-	1						1		I	-
P.W. N.P.	Excavation work for Pycroft's Road, gravitation main	9,325	0	0	Nagiah Maistry	8,109	-		8,109		m	:	:	4	1	318	10	1 12
	Excavation work for sewer laying in Napier Park	802	0	0	Narayana Maistry	620	-	10	620	01	10	1	i	£	1 [°]	-	1	+
	Departmental portion-piece work contract for Napler Park gravitation			-	M. Dashian Valda	9 699	e		3.823		-			1	1			1
	main		•	5	M, DAMERII AND	-	-						2					
A.M.P.M.	Anti-M work		0	0	W. K. Seshadri Iyengar	156	-	=	256	-	=	1	1	1	1	1	1	-1
		14,28,033	0	=	and a strength	11,05,402			1,85,579		10	21.300				-		-
			Con	tract	Contract let for a part of the work † Original design altered.	only.												

APPENDIX II-TABLE No. 7 .

SPECIAL WORKS DEPARTMENT.

Value of tools and plant and materials on 31st March 1916 (as given in the Administration Report for 1915-16) compared with the estimated value on 31st March 1917.

			31st March 1916.	81st March 1917.
Tools and plant Materials Amount to be written off Committee for loss, w			Rs. 70,001 5,06,518 	Rs. 73,645 5,96,795 5,238
		Total	5,76,519	6,75,678
Deduct value of Stonewa	are Pipes, etc	, added during the yea	ar	99,159
				5,76,519

	MENT	ision.
.8	SPECIAL WORKS DEPARTMENT	Cost of Design and Supervision.
TABLE No. 8.	RKS D	ign and Sup
TAB	AL WO	of Des
	SPECI/	Cost

Waterworks Section. ŏ

			_	T	
Percentage of supervision	work executed.	Rs. 3-99 7-07 3-52 4-98 4-98 2-09 2-09	3-29		6-06 6-81 5-77 5-77 6-81 5-77 1-64 1-64 1-64 1-64 1-64 1-64 1-64 1-64
Value of work	executed.	Rs. 64,602 1,72,574 3,04,188 4,85,207 6,19,918 6,78,214 4,23,431 8,05,989	50,82,944		39,621 52,837 52,837 4,74,905 4,74,905 4,07,505 2,52,903 2,52,903 2,52,903 5,87,012 5,87,012 5,87,012
Percentage of Design- ing Establishment	on vaue of work designed.		3-11		
Value of work	designed.	Rs. \$62,79,500 5,30,000 	68,09,500	ON.	$\begin{array}{c} 9,82,910\\ 18,18,945\\ 38,610\\ 84,475\\ 84,475\\ 1,21,03,440\\ 12,12,500\\ 2,81,470\\ 60,650\end{array}$
	Total.	Rs. 2,500 6,900 21,515 23,066 21,837 23,837 28,830 20,522 20,522 20,522 20,522	1,67,118	DRAINAGE SECTION	2,400 3,600 21,636 31,072 31,153 33,617 38,283 38,581 31,212 31,212
Construction.	Subordinate.	$\begin{array}{c} Rs. \\ 700 \\ 2,300 \\ 9,407 \\ 10,441 \\ 9,853 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 15,122 \\ 10,54$	87,026	DRAINAC	800 1,200 8,859 15,716 15,716 16,217 21,463 21,331 12,392
	Engineers.	Rs. 1,800 12,108 12,108 11,984 9,955 9,955 9,980 9,980 7,135	80,087		1,600 2,400 12,777 15,437 15,437 15,437 15,437 15,437 15,437 15,430 14,820 18,820
	Total.	Rs. 27,007 27,304 21,514 23,055 21,836 22,635 28,829 28,829 20,523 16,865	2,12,019		25,219 29,778 21,636 31,072 31,153 33,616 33,616 36,284 36,284
Design.	Engineers, Subordinates,	Rs. 5,876 5,876 9,406 10,441 9,853 15,121 15,121 18,929 10,548 9,731	99,564		7,418 10,278 8,859 13,057 15,716 16,217 21,464 21,882 21,882 21,882
	Engineers.	Rs. 21,131 17,640 12,108 12,624 11,983 9,955 9,950 9,960 9,980 7,134	Total 1,12,455		17,801 19,500 19,500 18,015 15,437 15,439 15,439 14,820 18,250
:	Year.	$\begin{array}{c} 1908-09\\ 1909-10\\ 1910-11\\ 1911-12\\ 1912-13\\ 1913-14\\ 1913-16\\ 1915-16\\ 1916-17\\ 1916-17\end{array}$	Total		$\begin{array}{c} 1908-09\\ 1909-10\\ 1910-11\\ 1911-12\\ 1912-13\\ 1912-13\\ 1912-15\\ 1915-16\\ 1915-16\\ 1915-16\end{array}$

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APPENDIX II.

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1,65,83,000

2,30,554

1,11,035

1,19,519

2,79,550

1,26,732

1,52,818

Total

APPENDIX II_TABLE No. 9.

SPECIAL WORKS DEPARTMENT.

Statement showing the works executed and the cost charged to Revenue Account during 1916-17.

No.	Description of Works.	Amount of Estimate.	Expenditure during the year.	Expenditure up to 31st March 1917
		Rs.	Rs.	Rs.
1	Investigating the existing sewers in Moore Street, George Town	300	105	105
2	Putting pandal in front and back of overseer's quarters at Kilpauk	60	58	58
3	Improvement of Kelly's drain	19,470	18,198	18,198
4	Constructing silt-traps and improving side drains, &c., in Wall Tax Road	880	550	550
5	Anti-malaria and Storm-water Drainage in Purasa- walkam Area—			
	(a) Strahan's Road Scheme	8,745	5,864	5,864
	(b) Brick-kiln Road Scheme, North Portion	2,570	1,551	1,551
	(c) Building a Bridge over the open channel at Strahan's Road	150		
6	Preventing flooding in Moore Street, George Town	5,300	2,450	2,450
	Total	37,475	28,776	28,776

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Comparative statement of value of work done and actual cost of sewer laying up to 31st March 1917. Total Expenditure Rs. 2,08,640 less (Rs. 15,113-6-0 for tools and plant) Rs. 1,93,527.

Rescription of Work. Unit. Quantity as per Estimate Quantity done Restricted actually. Quantity Estimate Restricted actually. Quantity Estimate Restricted actually. Mone as per Rates. Actual Cost. ware Pipe Sewer 19,620 5,178 95,318 0 23,910 0 17,581 33 do 19,620 5,178 95,318 0 23,910 0 17,581 33 do 73,437 0 0 23,910 0 17,581 33 3 do 2,344 954 87,544 0 0 17,930 0 17,547 4 9 from 2,348 0 0 17,930 0 17,547 4 9 do 1,4930 0 0	Remarks.			Ha Ha				1.1.1	14	•				Saving of Rs. 45,703	to per cent.	
k. Unit. Quantity lestricted done actually. Estimate amount. Estimate actually. Estimate amount. Extreme Res. A. P. Rs. A.	1.2 0.1													Savi	5	
k. Unit. Quantity as per door as per Respondence of work Actual Cost no. L. ft. 3s, 940 $ast per door Rastricted door A. P. Rest. Actual Cost no. L. ft. 35,940 actually. Estimate anount. Rs. A. P. Rs. A. P. no. n. n. 73,437 0 0 actual Cost actual Cost n. $		Ŀ.	:	11		11				:	-		- C - C - C - C - C - C - C - C - C - C	10	0	101
K. Unit. Quantity as per leaded done as per leaded programme done actually. Restricted done as per Restricted leaden actually. Value of work restricted done as per Restricted leaden actually. L. ft. 35,940 Rs. A.P. Rs. A.P. n 19,630 5,178 95,318 0 39,000. 0 0 n 19,630 5,178 95,318 0 39,000. 0 0 n 19,630 5,178 95,318 0 23,970 0 0 n 19,630 2,231 55,498 0 23,970 0 0 n 1,174 2,344 95 37,544 0 14,930 0 0 n 1,174 2,336 25,403 0 0 14,930 0 0 n 1,174 2,386 25,403 0 0 14,930 0 0 n 1,178 37,544 0 0 14,930 0	st.	Α.	÷	15	13	6	4	10	1	:	1-	00	15	9	9	12
k. Unit. Quantity last per least of work restricted done as per Restricted actually. Estimate amount. Restricted feore as per Restricted in the programme restricted in the set of work restricted in the set of the set of the set of work restricted in the set of work restricted in the set of work restricted in the set of t	Actual Co	Rs.	:	33,680	17,281	14,541	17,547	20,774	605'61		8,641	29,683	1,963	1,93,527	15,113	2,08,640
k. Unit. Quantity brogramme actually. Quantity Estimate arount. Value of work feature feature frogramme frogramme gestrated actually. Sestimate arount. Value of work feature frogramme feature feature from frates. Value of work feature from frates. h <td< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td><td></td><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td>1</td></td<>						-	-	-			-	-	-	-		1
K. Unit. Quantity lestricted actore is per lease programme festimate actually. Quantity programme festimate actually. Value of wo force as per lease programme festimate actually. L. ft. 35,940 73,437 0 0 n 19,620 5,178 95,318 0 0 39,000. n 19,620 5,178 95,318 0 0 39,000. n 19,620 5,178 95,318 0 0 39,000. n 19,630 2,231 55,498 0 0 0 n 1,465 1,908 39,081 0 0 23,970 n 1,465 1,908 39,081 0 0 0 n 1,465 1,908 39,081 0 0 0 n 1,174 2,336 25,498 0 0 0 0 n 1,1784 57,505 0 <td>k es-</td> <td>I.P</td> <td>:</td> <td></td> <td>:</td>	k es-	I.P	:													:
K. Unit. Quantity as per lestricted actually. Quantity Restricted actually. Restricted roome programme actually. Restricted actually.	Value of wor done as per R tricted Prograt Rates.	Rs.		•					19,090							Total Expenditure Rs.
K. Unit. Quantity as per control of the programme a could by. Restricted fore control of the programme a could by. Restrict a could by. Rest	nt.	Р.	0 0					S. State Com	0				-:		:	I E.
k. Unit. Quantity as per Estimate. n L. ft. 35,940 n n 19,620 n n 5,300 n n 2,244 n n 1,465 n n 1,465 n n 2,244 n n 2,344 n n 1,465 n n 868 n No. 379 n n 868 n n n n n n	Restricted Programm Estimate amo		73,437	95,318	55,498	87,544	180'68	25,405	18,878	57,677	42,836	65,798				Tot
k. Unit. L. ft. Unit.	-		:	5,178	2,231	954	1,908	2,386	669	:	134	94			:	
k. Unit. L. ft. Unit.	Quantity as per Restricted programme Estimate.		35,940	19,620	5,300	2,244	1,465	1,174	101		868	379				
: :		1	L. ft.									No.			:	
Description of Work. De do Do do Do do Do do Do do Do do 	- Trippel		:	:		:	:	:	:	:	:	:	:			
De Do	scription of Work.		vare Pipe Sewer	op	op	do		ron Pipe Sewer		op	op	:			Plants	
6° St(9° 15″ 15″ 18″ 18″ 18″ 18″ 18″ 18″ Manh Manh Misce Tools	De		* Stonenv					6" Cast In				Manholes	liscellane		ools and	

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APPENDIX II .- TABLE No. 10.

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Statement showing work done up to 31st March 1917 and its value at Main Drainage Estimate Rates also the actual cost incurred.

Actual cost. Remarks.	Rs. A. P.	23,050 0 0	51,875 4 10	5,938 6 8	4,200 0 0	1,995 7 0	21,671 2 2	* 4,367 3 3	1,13,097 7 11		
ork per	P.	0	0	0	0	0	0	0	0	H	1
Value of work executed as per Estimate.	A.	0	5 0	2 0	4 0	1 0	4 0	8 0	6 0	2 2	8
Value execut	Rs.	29,242	61,295	8,462	6,344	2,521	26,774	*6,098	1,41,136	1,13,097	28,038
nate	Р.	0	0	0	0	8	0	0	0		:
Estir int.	Α.	0	0	0	0	0	0	0	0		e Rs.
Sanctioned Estimate Amount.	ks.	1,70,300	2,29,000	36,460	8,520	9,140	1,12,300	3,40,800	9,06,520		Saving on Estimate Rs.
Quantity executed.		17,411	19,790	1,886	847	326	298				Saving
Estimated quantity.		1,01,920	77,470	6,910	1,250	1,310	1,135				
Unit.		L. ft.	2	2	R	2	Nos.				
	-	:	:	:	:	:	÷	:			
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w jo	+	:	:	:	:	:	:	:			
Description of work.		6-inch Sewers					Manholes	Miscellaneous			
		6-in	6	12	15	18	Man	Misc			

APPENDIX II.-TABLE No. 11.

APPENDIX II-TABLE No. 12.

WORKS DEPARTMENT.

Statement showing the value of Pumping Station buildings and plant, as given in the Administration Report for 1915-16, compared with the estimated value on the 31st March 1917.

				Value in Books on 81st March '16.	Estimated valu on 31st March '17
D	(Buildings			Rs. 10,412	Rs. 10,100
Royapuram	{ Machinery			95,980	85,170
D. M. W. J. D	Buildings Machinery			3,510	3,334
DeMellow's Road	{ Machinery			13,853	12,889
	G Buildings			6,829	6,624
Langs Garden	{ Machinery			11,146	10,451
	(Buildings			10,750	10,427
Napier Park	{ Machinery			17,921	16,579
	f Buildings			8,458	8,204
Ice House Road	Machinery			12,714	12,011
	∫ Buildings			3,489	3,315
Mylapore	Machinery			9,908	9,325
	f Buildings		-	15,943	15,465
Law College	Machinery			67,837	60,173
	CA Buildings			12,222	11,855
	A Machinery			19,127	17,276
Tondiarpet	Buildings			14,010	13,590
ronumper	Machinery			30,394	27,386
	C Buildings			11,808	11,454
	(C Machinery			19,197	17,337
Night-soil Depot	§ Buildings			4,984	4,834
rught-son Depor	(Machinery			2,250	1,980
Pycrofts Road	5 Buildings				2,500
yerons Road	Machinery				5,163
	(Buildings			1,29,514	1,51,789
Kilpauk	Machinery			3,44,668	3,04,263
mpaun	Elevated Tank			1,65,537	1,57,260
	t " Masonry	and Foundation		85,457	82,893
	Amount to be				
		Standing Comn		1	
	ciation	and tear and d	epre-		88,094
		Total		11,27,918	11,61,741
Deduct value of 1	Buildings and Machi			11,21,010	11,01,111
		the year			33,823
			1		11,27,918
			1. 1.	1000	

APPENDIX II-TABLE No. 13.

Works Department.

Mechanical Engineer's Section.

Cost of Pumping at Pumping Stations.

From April 1916 to March 1917.

Kilpauk.	11	Worthington triple expansion high duty.	direct acting Steam Pumps	4999-3	1612-2	11498-66	63-90	222-62	:		1	
"C" Pumping	10	itrifugal		49-1	4-4	486-10	17.63	2-59	. :	:	I	
"B" Pumping Stations.	6	Oil Engines & Centrifugal Pumps,		218-0	26.8	1402-22	23-25	8-95	:	:	:	
aniqung "A" Stations.	80	Oil Eng		51-2	4-9	485-78	18.78	2-76	:	:	ı	
Demellows Road.	2	Portable Steam Engines, Electric Motor	& Centri- fugal	Pumps. 2912	64-0	611-04	43-87	8-05	:	:	:	
Mylapore.	9	Oil Engines & Centri- fugal	Pumps.	98-4	25.0	249-15	50-01	3.80	:	:	1	
Ice House	10	Simple Steam Engines & Centri-	Pumps.	214-2	52-9	541-71	48-62	8-00	f		1	
Napier Park.	4	t		228-7	60-3	507-62	52-50	8-05	:	:	1	
Langs Garden	ŝ	Worthington compound dire acting Steam Pumps,		130-4	35.6	327-17	53-73	5-34	1	:	I	
Law College.	09	Worthington triple expansion direct acting Steam Pumps.	•	263-9	6.7.9	530-45	43-94	7-16	:	1	1	
Koyapuram.	1	Worthington triple expansion direct acting Steam Pumps.		198-4	130-2	1670-25	32.63	16-53	:	:	1	
ping Stations.		TYPE OF MACHINERY.		in millions	thousands	per minute ave-	feet	Horse power	Indicated Horse power (I. H. P.)	f taking	iency	
Name of Pumping Stations.		TYPE OF M		Gallons pumped in millions	P. H. P. Hours in thousands	Galions pumped per minute rage per year	Average Head in fect	Average Pump (P. H. P.)	Indicated Horse p	P. H. P. at time of taking	P. H. P. total efficiency	

" 1,89,977-75 " 85,251-53 " 14,885-46 Rs. 1,75,092-29 83517-72 11 months. 0-52 0-02 0.18 0.08 90-0 0-86 0-83 85251-53 Annas. ÷ 4516-52 Annas. 0.55 11-44 2-07 12-# 0-51 19-28 22.07 4441-98 : : : : : 2001-73 5834-04 0.50 2.14 Annas. 0-45 1111 0.32 4-52 4-48 : 4655-46 Total cost for previous year in a 2064.961 2008-22 2028 20 20032 40 20270-46 11839-78 24234-92 4076-34 March 1940. 1.75 16-24 02-0 8-99 4-44 0.46 16-34 Annas. : ÷ Add to the total cost for Vepery, Sewage Farm and Pycrofts Road Pumping Stations ... : : COST PER PUMP HORSE POWER PER HOUR. 3-74 0.03 0-80 0-70 0-32 87-6 6-46 23697-85 11417-99 22308-28 Annas. 2-40 19-0 1.84 0-32 01.1 6-81 Annai. 2.50 : 1.1 Annas. 4-41 7.88 0-21 1.24 1.24 0-38 7-48 Total cost for the year for the above Sewage Pumping Stations Total cost for the year for the Waterworks Pumping Station 0.16 1.18 1-56 0 33 7-34 5-41 27379-81 Annas. 4-11 Total cost for the year for the Sewage Pumping Stations 4-68 29914-91 23594-67 19052-10 0.15 1.94 1-52 0-34 8-63 9.53 Annas. ÷ ÷ 3-44 0.12 1-29 1-65 0-45 96-99 6-78 Annas. : 1.88 60-0 0.53 3.66 Annas. 0.88 0.37 3-75 : Supervision and Office Staff, includ-ingthe Office Stationeries Licenso fee, Electric Lights Telephone fees, Sever Cleaning and Statio-neries, &c. : per Electric current at annas 1.5 per unit : Wages and overtime of Driving Staff Wages and overtime of Repairing Staff and cost of materials ... Total cost per Pump Horse power for the previous year (from April 1915 to March 1916) Fotal cost per Pump Horse power. viquid fuel at annas 2.75 gal'on Fotal cost per year in rapecs Coal at Rs. 14-7-0 per ton Stores, oil, waste, etc.

APPENDIX 11.

TABLE No. 14.

Table showing sizes and lengths of water pipes laid during the year 1916-17.

Divisions. $3''$ $2\frac{1}{2}''$ $2''$ $1\frac{1}{4}''$ $1''$ $\frac{3}{4}''$ REMARKS.I to 3ft.ft.ft.ft.ft.ft.ft.ft.1 to 34 & 56 & 72638 & 950715210 & 11964509012 & 1316 & 1718 & 15-A251,170660
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6 & 7 263 8 & 9 507 152 10 & 11 96 450 90 12 & 13 14 & 15-B 16 & 17
8 & 9 507 152 10 & 11 96 450 90 12 & 13 14 & 15-B 16 & 17
10 & 11 96 450 90 12 & 13 14 & 15-B 16 & 17
12 & 13 <
14 & 15-B 16 & 17
16 & 17
18 & 15-A 25 1,170 660
19 & 20 300 440
Total 25 1,470 756 263 1397 242 4,153 feet or 1,384 ¹ / ₃ yds.

TABLE No. 15.

Reforming roads during 1916-17.

Thickness.		Bi	LUE GR.	ANITE.	0)	VELACHERI GRANITE.				1					
		Squares.	Miles.	Fur.	Yds.	Squares.	Miles.	Fur.	Yds.	Squares.	Miles.	Fur.	Yds.	REMAR	кз.
6"		5,25-75	0	1	180	1,992-25	.1	4	53	2,124-50	1	6	195		
5"						24.00	0	0	67	879.50	0	6	67		
4"		8,299-75	5	6	52	3,220-50	3	+	10	9,130-00	8	2	34		
3"		14,562.05	8	1	205	1,397-25	1	2	160	879-75	1	1	160		
2"		2,327.50	1	3	188	116-00				291-00	0	2	143		
					-									M. F.	Yds
Total		25,715-05	15	5	185	6,750-00	6	3	70	13,304.75	12	3	159	34 4	194

TABLE No. 16.

Roads reformed with gravel during 1916-17.

Thickness,		GRAV	EL.		Remarks.
	Squares.	Miles	Fur.	Yds.	
2*	127.50	0	1	63	

TABLE No. 16 (a).

Tarring roads during 1916-17.

No. of Barrels.		TARRI	NG.		Remarks.
	Squares.	Miles.	Fur.	Yds.	
488	8,095-55	3	6	77	

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	Length.	Feet.	500	1,700	1,790	2,700	1,720	1,030	760	910	111	1,995	1,000	270	690	810	1,170	1,750	2,185	906	2,100	1,574	2,087
-	-		1	1	-	1	1	1	1	1	1	1	•	1	1	-			I	:	1		-
	To		Royapuram level crossing	Krishna lyer's well	Ebramjee Saib Street	Railway crossing	Napier Bridge	Varadamuthiappan Street	Broadway	Anna Pillay Street	Umpherson Street	Audiappa Naick Street	Errabalu Chetty Street	Varadamuthiappen Street	Ammen Covil Street	Old Jail Street	Ammen Covil Street	Basin Bridge Road	Portuguese Church Street	Kuppier Street	Tirupalli Street	Basin Street	Evening Bazaar Road
			i	:	Street	:	1	1	:		:	1	i	ł	:		1	:	:	1	:	1	I
*	From		Ebramiee Saib Street		(West side of Tram line). Narayanappa Naick Street. Ebramjee Saib Street	Wallajah Bridge	Fort Beach Road	Broadway	Portuguese Church Street	Thathamuthiappen Street	China Bazaar Road	Ammen Coil Street	China Bazaar Road	Govindappa Naicken Street	Tirupalli Street	Second Narayanan Street	Thathamuthiappen Street	Ammen Covil Street	Mint Street	Ammen Covil Street	China Bazaar Road	Govindappa Naick Street	Erusappa Maistry Street
	Names of roads.		North Beach Road	1 Road	North Beach Road	Benifield Road	Band Beach Road		Old Jail Street	Kandappa Chetty Street	Stringers Street .	Aucharappen Street	Broadway .		Wall Tax Road	Mint Street	Varadamuthiappan Street	Wall Tax Road	Old Jail Street	Mint Street	Wall Tax Road	Anna Pillai Street	Moore Road
	Division.		Ist	2nd	4th	Ath	415	6th	6th	64h	6th	68h	6th	70h	7th	7th	7th	412	7th	7th	Sth	8th	9th
-	No.		1	64	63	7	1.0	9	4		6	10	11	12	13	14	15	16	17	18	19	20	21

'TABLE 17.-List of roads and streets reformed with blue granite during 1916-17.

TABLE 17.-List of roads and streets reformed with blue granite during 1916-17- (continued).

								A	PP	EN	ND1	LX	II .										131
	Length,	Feet.	635	1,291	1,100	400	2,000	1,400	160	1,600	1,650	1,800	3,000	1,900	300	880	3,500	600	2,475	700	1,500	800	1,260
1			:	i	:		;	11	1	:	;	:	-	: :	11	:	. :	:	:	:	1	:	:
	To		Level crossing	Evening Bazaar Road	Mint Street		Subba Naidu Street	Perambur Barracks Road		Pathala Ponniamman Covil Street	Hunter's Road	Letangs Road		Munro Bridge	Mc'Nicholas Road	Poonamallee High Road	General Cernetary	Venkatachellam Pillay Street	College Road	Dams Road	Do	Triplicane High Road	Thirurateeswarenpetta Road
				:	:	-	1	1	-	-	:	:		:	::	1	:	:	:	:	:	:	:
	From		Wall Tax Road	General Hospital Bridge	Varadamuthiappen Street		De'Mellows Road	Angalamman Covil Street		Purasawakam High Road	Sydenham's Road	Purasawakam High Road		Railway crossing	Nungambaukam High Road	Ormes Road	Mantapam Road	Old Toll Gate	Nungambakam High Road	Mount Road	Arunachella Naick Road	Vizianagaram Maharajah's Fountain	Wallajah Road
	Names of roads.		Elephant Gate Bridge Road	General Hospital Road	Thathamuthiappen Street	Road over Stephens Bridge	Angalamman Covil Street	Ashtabujam Road	Road leading to Park Station	Vinaitheertha Moodaly Street	Choolai Baraar Road	Ritherdon Road	Road in People's Park	Mc'Nicholas Road	Road over Munro Bridge	Flowers Road	Kilpauk Garden Road	Harrington Road	Haddows Road	Blackers Road	Swami Naicken Road	Wallajah Road (Northern Side)	Triplicane High Road
	Division.		9th	9th	9th	10th	11th	11th	12(h	12th	12th	12th	12th	14th	14th	14th	14th	14th	15th	16th	16th	17th	17th
	No.		83	23	24	26	26	5	28	29	20	31	32	33	34	35	36	10	38	89	07	41	42

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						A	PP	EN	D	IX	11.					
Length.	Feet.	450	600	1,150	2,200	1,900	2,100	2,200	2,560	2,650	2,850	4,500	875	1,700	83,064	
	-		i	i	1	1	:	1	1	1	1	i	1	:	1	
															Total	
To			Bodam Statue	Jani Jan Khan Road	Ice House Road	Royapettah High Road	Peters Road	Lloyds Road	Edward Elliots Road	Royapetta High Road	Prasanna Vinayagar Covil Street	Chamiers Road	Muthiah Mudali Garden Street	Saidapet Toll Gate		
			1	1	:	i	i	1	1	1	1	:	:	I		
From			. Government House Bridge	. Triplicane High Road	Pycrofts Road	Lloyds' Road	. Do.	. Barbers Bridge Road	Ice House Road	Barbers Bridge Road	Irusappa Gramani Street	Luz Church Road	. Ice House Road	. Cenetoph Road		
		I	i	1	:	•	:	:	:	:	:	•	:	:		
Names of roads		Road over Government House Bridge	Mount Esplanade Road	Pycrofts Road	Triplicane High Road	Vencatachella Mudaly Street	Do.	Muthiah Mudali Garden Street	South Beach Road	Edward Elliots Road	Barbers Bridge Road	Mowbray's Road	Peria Malayappan Street	Mount Road		
D vision.		17th	17th	18th	18th	19th	19th	19th	1914	19th	19th	19th	19th	19th	122 6 B	
No. D		43	11	65	46	41	48	49	62	19	52	53	54	205	A BURNER BER	

TABLE 17.--List of roads and streets reformed with Velacheri granite during 1916-17.

	-				IN THE REPORT OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS		-
	NJ, Divi	Division.	Names of roads,	From	To	ILei	Length.
34							Feet.
	1	4th	Subbu Pillay Lane	Krishnan Covil Street	Jaffersorang Street	1	250
	03	6th	Pedariar Covil Street	Ammen Covil Street	Saint Xavier Street	1	870
	00	71h	Keishnappa Naick Tank Street	Tirupalli Street	Ammen Covil Street	:	740
	1 +	12th	Lane in front of jubilee Market	Naval Hospital Road	Paracherry	i	200
	5 1	13th	Mahommed Ebrahim Street	Labbai Street	1yaswami Pillay Street	P	400
	6 1	13:h	Jagappen Lane	Harris Road	Labbai Street	1	360
	1 1	13th	Venkatachelia Naicken Street	Patchiappa Mudali Street	Public fountain	1	200
	8 1	1404	Kilpauk Halls Road	Babington Gale	Burial Ground		1,500
	9 1	14.h	Porasa Pitlay Street	Kilpauk Halls koad	Kilpauk Garden Road		1,700
-	10 1	14th	Theagapp 1 Mudali Street	Porasa Pillay Street			1,000
-	11 11	14th	New Road "D" in Landon's Garden	Poonamalice High Road	New Roads A and B	1	1,050
-	12	14th	New Road A and B in Landon's Garden	Taylors Road	Hyde Park		1,800
-	13 14	14th	New Road " E" in Landon's Garden	Road "D"	Do.	-	200
-	11 11	15th	Ottavadai Street	Graems Road	End		1,050
-	16 1	15th	Village Road	Nore Veeraswomi Iyer Street	Nungambakam High Road	1	1,400
	16 1/	16th	Rama Naicken Street	Malpathi Muthu Naicken Street	Kumarappa Mudali Street	1.	1,500
-	17 11	15th	Kumarappa Mudali Street	Rama Naicken Street	Krishnamachari Road	:	920
-	18 1/	15th	Nore Viraswami Iyer Street	Village Read	Kumarappa Mudali Street	1	675
-	19 1	15th	Kutti Street, No 1	Cross Street	Nungambakam High Road	1	660
	20 10	15th	Cross Kulti Street	Kutti Street No. 1	Kutti Street No. 2	:	130
	11 13	16th	Kutti Street No. 2	Nungambakam High Road	Paddy field		009
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TABLE 17.-List of roads and streets reformed with Velacheri granite during 191617-(Continued).

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No.	Division.	Names of roads.	From	To	Length.
20					Feet.
53	16th	Malpathi Muthu Naicken Street	Village Road	End	692
23		15th-A Kammala Street	Graems Road	Der	340
24	16th	Krishnappa Chetty Street	Guruvappa Chetty Street	Rajagopal Naick New lane	450
25	16th	Rajagopaul Naick Street	Do.	Sunkuwar Agraharam Street	950
26	17th		Ellis Road	Wallaja Road	660
27	17th	Hussain Mulk Street	Chella Pilliar Covil Street	The End	600
28	17th	Swami Auchari Street	Hussain Mulk Street	Subbaroya Muduli Street	380
29	17th	Pilliar Covil Street	Subodral Street	Triplicane High Road	350
30	17th	Thagor Sahib Street	General Patters Road	Ellis Road	1,400
31	18th	Venkatarungam Pillay Street	Sunkawar Street	Ice House Road	1,100
329	18th	Mahommad Hussan Lane	Jani John Khan Road	Bakshiali Sahib Street	340
33	18th	Muthukalathi Chetti Street	Pycrofts Road	Parthasarathyswami Street	009
34	18th	Thanappa Cheity Street	Pulibone Bazaar Road	End	150
35	19th -	Muthiah Mudali Street	St. George's Cathedral Road	Its Southern End	1,600
36	19th	Johur Hussain Khan 1st Lane	Ice House Road	Do.	340
37	19th	Johur Hussain Khan Street	Do.	Do.	340
38	19th	Mahommad Hussain Khan Street	Do.	Do.	375
39	19th	Tippu Saib Street	Do.	Do	270
40	19th	Thandavoroyen Street	Royapetta Bazaar Road	Its Western End	200
15	19th	Reberies Street	Thandavaroyan Mudaly Street	Its Southern End	190
42	19th	Paripoorna Vinayagar Covil Street	Mylapore Bazaar Road		946

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	Length.	Fect. 850	300	325	660	1,800	33,870													
		1					Total		1					-						
	To	Its Western End	Cutchery Road	Kabaleeswarar East Mada Street	South Mada Street	Soliappa Mudali Street					And Link on .									
	1			1		1	T	1	ž		-	18	1	1	1	2	-			
A STATE AND A DATE OF A DA	From	Mowbray's Road	North Mada Street	Ponnambala Vathiyar Street	North Mada Street	Brodies Road			a la trans de grad	the state of the second st			· A BUT TANK BUT		and the second se	Les fine de la la	and and have the state of the			
A THE REPORT OF STREET, THE REPORT	Names of roads.	Alwarpet Pillar Covil Street	Mathala Narayanan Street	Picho Pillay Street	Ponnambala Vathiyar Street	Mandavalli S'reet			and the second second		Allower and a second second	and a start and		and the second states of the s						
	Division.	20th	20th	20th	20th	20th		1	14		11.1		114				-			
	No.	4 2	44	45	46	47		21 .				-			*	-	-		1	-
				-	-	-	-	-	-	-	-		-	-	-		-	-	the state of the local division of the	and the same of

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APPENDIX II.

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	d.	1.	19	0	0	0	0	0	0	0	10	0	10	10	0	0	0	0				-	
	Length.	Fcet.	725	1,200	300	300	1,180	2,700	650	1,070	135	600	1,135	725	600	250	450	250	230	450	225	2,620	225
	To		1	quare		1			treet	• :	reet	et	ni Street		:			Street	;		1	-	
0			"Bnd of the lane	Notth Mada Church Square	End	End	Cemetry Road	Encigration Depot	. Narayanappa Naick Street	Solalyappen Street	Sanjeeviroyen Koil Street	Nainiappa Mudali Street	Thandavaraya Gramani Street	Railway crossing	Kathbada Road	Sreerangammal Street	A length of 450 ft.	Tholasinga Gramany Street	. End	To a length of 450 ft.	Cotton Mill Lanc	Mannady Street	Thambu Chetty Street
	From		Kalmandapam Road	Kalmandapam Road	Ramalyer Street	Ramaiyer Street	Monighar Choultry Road	Kalmandapam Road	Cemetry Road	Thiruvottiyur High Road	Monighar Choultry Road	Thiruvottiyur High Road	Baloo Muraly Street	Lamp Post No. 3/47	Thiruvottiyur High Road	Solaiyappan Street	Kathiwakam High Road	Thiruvottiyur High Road	Kathiwakam High Road	Thiruvottiyur High Road	4th Line Beach	China Bazaar Road	Armenian Stre.t
	Names of reads.		Thambu Chetty Lane	Vencatesa Naick Street	Jear Naick Street	Goravappa Chetly Street	Robinson Park Main Road	Sooryanarayana Chetty Sirect	Kallingaroya Mudali Street	Subbaraya Chetty Street	Lawer Chinnathambi 2nd Lane	Muthia Mudali Street	Thandavaroya Mudali Street	Kathiwakam High Road	Kathiwakam High Road	Bala Arunachella Chetty Street	Kathbada Road	Gollamman Coil Street	Kathbada Lane	Darmaraja Coil Street	Vencaturalhnam Chetty Lane	Angappa Naick Street	Katchaleswarer Coll Street
	Division		lst	lst	2nd	2nd	2nd	2nd	2nd	2nd	2nd	3rd	2nd	3rd	3rd	3rd	3rd	3rd	3rd	Brd	4th	4th	5th
-	No.		1	03			10	9	1	80	6	10	н	12	13	14	16	16	11	18	19	20	21

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TABLE 17.--List of roads and streets reformed with Laterite during 1916-17.

TABLE 17.-List of roads and streets reformed with Laterite during 1916-17-(Continued).

			the second secon	and the second se	the second se		
35	No. Di	Division.	Names of roads.	From	To	Length.	th.
1	-				Constants	Feet.	ti l
	53	5th	Goom Street	Popham's Broadway	Kondy Chetty Street		0
	53	5th	Salai Vinayagar Coil Street	Do.	Thambu Chetty Street	1,200	0
	24	5th	Jone Street	Mannadi Street	Jones Lane	635	10
-	25	6th	Oil Monger Street	Mooker Nallamuthu Chetty Street	Errabalu Chetty Street	530	0
	26	6th	Shummugarayan Lane	Portuguese Church Street	Pedorior Coil Street	465	10
-	27	6th	Shanmugarayan Street	St. Xavier Street	Old Jail Street	1,661	-
	28	6th	Pedorior Coil Street	Thyappa Mudali Street	Old Jail Street	1,355	10
	29	6th	Ammen Coil Street	Ekavalle Amman Coil Street	Broadway		
-	30	6th	Thyappa Moodali Street	St. Xavier Street	. Old Jail Street	1,405	-
15723	31	7th	Kumarappa Mudali Sircet	St. Xavier Street	Mangammall Street		63
	32	7th	Nagamany Garden Street	Govindappa Naicken Street	Subramania Assary Street	528	
	33	Tth	Thegaroya Pillay Street	Erusappan Lare	St. Xavier Street	675	
	34	Tth	Seven wells street	Ellamman Paracheri	Barracks Street	1,055	
	35	7th	Padavattamman Coil Strce	. Peddu Naicken Street	Northwall Road	610	
	36	71h	Barracks Street	Portuguese Church Street	Seven Wells Street	970	
-	37	7th	Annakara Konan Street	Do.	Do.	622	
	38	7th	2nd Narayanan Street	Seven-wells Street	Mint Street	525	10
-	39	7th	Mangammah Street	- Dv	Kumarappa Mudali Street	322	-
	40	7th	Ammen Coil Street	Seven-wells Street	Mint Street		
-	41	7th	Sambier Street	Subramania Mudaly Street	Gevindappa Naicken Street	536	10
-	45	71h	1st Narayanan Street	2nd Nārayanan Street	St. Xavier Street		

APPENDIX II

TABLE 17.-List of roads and streets reformed with laterite during 1916-17-(Continued).

								PP				II.	_									
Length.	Feet.	1,158	800	640	290	830	390	350	430	210	265	1,750	970	1,975	1,060	100	1,000	. 800	850	300	600	1,800
		:	:	:	:	:	1	:	:	i	1	:	:	:	:	:	1	1	i	:	:	•
To		Ammen Coil Street	Seven Wells Street	Ammen Coil Street	Dead End	Iyaha Pillay Street	Ponnappa Chetty Street	Dead End	. Kesava Aiyar Street	Dead End	Do.	China Bazaar Road	De'Caster Road	Ernkencheri Road	Puliantope Road	De'Mellows Road	De'Caster Road	To the End	To the fountain	To its dead end	··· Vencatesa Naick Street	Angalamman Coil Street
		ż	:		4	-	:		:	:	:	:	ł	:		1	i	:	:	1	1	•
From	100 million and 100 million	Thathamuthiappen Street	Mint Street	St. Xavier Street	Mint Street	Rasappa Chetty Street	Ekambara Eswarer Agraharam Street	Mint Street	. Sivarama Sastri Street	. Thathamuthiappen Street	Do.	Anna Pillay Street	Puliantope Road	Gantz Road	De Caster Road	Strahan's Road	Puliantope Road	Perambore High Road	Perambore High Road	Kandarpa Mudali High Road	Chellappa Mudaly Street	Sydenhams Road
Names of roads.		Nattu Pilliar Coil Street	St. Xavier Street	Seven Wells Street	Tholasingan Street	Vencatachalla Mudaly Street	Kesava Aiyer Street	Samudra Mudali Street	Ravana Iyer Street	Seenu Mudali Street	Manikanda Mudali Street	Perumal Mudaly Street	Thiruvengadasami Street	Moorthinga Aiyar Street	Kutty Thambiran Street	Barracks Gate Road	Ramaswami Chetty Street	Perambur Tank Road	Chucklipalyam Road	Chellappa Gramany Street	Edwards Park Lane	Sattsna Naick Street
Division		7th	7th	10th	8th	8th	9th	9th	9th	8th	Sth	8th	10th	10th	10th	101h	10th	loth	10th	11th	11th	11th
 No.		43	44	45	46	47.	48	61	50	51	52	53	54	55	56	57	89	69	60	19	62	63

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APPENDIX II.

'TABLE 17.-List of roads and streets reformed with laterite during 1916-17- (Continued).

From muku Chetty Street muku Street muku Paupus Kanda Pillal Street muku Paupus Street muku Paraet muku Paraet muku Road muku Road muku Road muku Road mount Road mount Road mount Road muku Street mount Road mount							
Image: Checking Street Image: Choolal Baraar Road	Division. Nam	Nam	Names of roads	From	To		Length.
 Muku Chetky Street Perambore Borraks Road Perambore Borraks Road Avadanam Paupier 2nd Lame Vencatess Bathan Street Vencatess Bathan Street Chellappa Mudali Street Chellappa Mudali Street Chellappa Mudali Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Swami Pillay Street Iron Bridge In Brick-Kiln Road In						-	Feet.
 Perambore Borraks Road Avadanam Paupier 2nd Lane Vencatess Bathan Street Vencatess Bathan Street Vencatess Bathan Street Chellappa Mudali Street Chellappa Mudali Street Chellappa Kanda Pillal Street Vathiyar Kanda Pillal Street Vathiyar Kanda Pillal Street Vathiyar Kanda Pillal Street Naddox Street Iron Bridge Iron Bridge Ponnamalte High Road Mount Road Mount Road Mount Road Mount Road Mount Road Paracheri Paracheri 	11th Vencatasa Battan Street	Vencatasa Battan Stree			Perambore Parracks Road	:	009
 Avadanam Paupier 2nd Lane Vencatesa Bathan Street Vencatesa Bathan Street Chellappa Mudali Street Chellappa Mudali Street Kanappa Mudali Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Swami Pillay Street Swami Pillay Street Iron Bridge Iron Bridge Poonamaltee High Road Pount Road Mount Road Walters Road Words Road Paracheri 	11th Vadamalai Pillay Street	Vadamalai Pillay Street			Candappa Mudali High Road	:	1,600
 vencatess Bathan Street Chellappa Mudali Street Chellappa Mudali Street Chellappa Mudali Street Kanappa Mudali Street Vathiyar Kanda Pillai Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Choolal Bazaar Road Maddox Street Iron Bridge Iron Bridge Ponnamalte High Road Mount Road Mount Road Words Road Words Road Paracheri 	11th Govinda Naick Street	Govinda Naick Street		Avadanam Paupier 2nd Lane	Vijlavigneswarar Covil Street	:	800
 Chellappa Mudali Street Chellappa Mudali Street Kanappa Mudali Street Kanappa Mudali Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Choolai Bazaar Road Swami Pillay Street Iron Bridge Iron Bridge Iron Bridge In Brick-Kiln Road Poonamaltee High Road Pount Road Mount Road Walters Road Words Road Paracheri 	11th Muthu Naick Street	Muthu Naick Street	1		Vallam Bangam Chetty Street	:	370
 Chellappa Mudali Street Kanappa Mudali Street Vathiyar Kanda Pillai Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Choolal Bazaar Road Maddox Street Iron Bridge Iron Bridge Pommalice High Road Pommalice High Road Mount Road Mount Road Words Road Walters Road Paracheri Paracheri 	11th Muku Chetty Street	Muku Chetty Street	1		Vencatasa Bathan Street	:	1,200
 Kanappa Mudali Street Vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Swami Pillay Street Choolai Baraar Road Choolai Baraar Road Poonan Bridge Iron Bridge Iron Bridge Poonamaltee High Road Pounping Station Mount Road Words Road Vords Road 	11th Pudoo Street	Pudoo Street	1		Kandaswami Covil Street	:	800
 vathiyar Kanda Pillai Street Swami Pillay Street Swami Pillay Street Choolai Bazaar Road Choolai Bazaar Road Maddox Street Iron Bridge Iron Bridge Iron Bridge Poonamallee High Road Poonamallee High Road Mount Road Mount Road Walters Road Words Road Paracheri 	11th Vaikakaran Street	Vaikakaran Street	I	Kanappa Mudali Street	Vadamalai Pillai Street		725
 Swami Pillay Street Choolai Bazaar Road Choolai Bazaar Road Maddox Street Iron Bridge Iron Bridge Iron Bridge Poonamaltee High Road Poonamaltee High Road Pount Road Mount Road Mount Road Walters Road Words Road Paracheri 	12th Arnee Muthu Mudaly Street	Arnee Muthu Mudaly :			Vencatachalta Mudaly Street	:	099
 aly Street Maddox Street Maddox Street Iron Bridge Iron Bridge Poonamaltee High Road Poonamaltee High Road Pount Road Mount Road Wouts Road Words Road Paracheri 	12th Vaithiyar Kanda Pillay Street	Valthiyar Kanda Pillay			Hunters Road	:	1,000
aly Street Maddox Street Maddox Street Maddox Street In Brick-Kiln Road Poonamaltee High Road Ponnping Station Mount Road Mount Road Mount Road Mount Road Walters Road Paracheri Paracheri	12th Swami Pillay Street	Swami Pillay Street	:		Rottigadangoo Thiruvengada Mudali Street	:	1 150
 Iron Bridge In Brick-Kiln Road Poonamaltee High Road Ponnping Station Pumping Station Mount Road Mount Road Mount Road Mount Road Mount Road Paracheri Paracheri 	12th Rottigadangoo Thiruvengada Mudaly Street	Rottigadangoo Thiruve		Maddox Street	Sydenhams Road	:	1,500
In Brick-Kiln Road Poonamaltee High Road Pumping Station Mount Road Mount Road Wount Road Wount Road Wount Road Wount Road Wount Road Wount Road Paracheri	14th Road leading to trenching giound	Road leading to trench			The End	:	720
 Poonamalice High Road Pumping Station Mount Road Mount Road Walters Road Words Road Paracheri 	14th Rubbish Tip	Rubbish Tip	1				40
 Pumping Station Mount Road Mount Road Walters Road Words Road Paracheri 	14th Subbaraya Gramani Street	Subbaraya Gramani Str			Balasundara Mudali garden	:	450
Mount Road Mount Road Walters Road Paracheri	14th New Road in Filter Bed	New Noad in Filter Be			Coal Shed	1	200
Mount Road Walters Road Words Road Paracheri	15th Azizul Mulk 5th Lane	Azizul Mulk 5th Lane	1		Othavadai Street	:	500
Walters Road Words Road Paracheri	15th Azizu' Mulk 3rd Lane	Azizu' Mulk 3rd Lane	1		Othavadai Street	:	590
Words Road Paracheri	16th Singana Chetty Street (widened portion)	Singana Chetty Street		Walters Road	Rajagopaul Naick Lane	:	580
Paracheri	17th Pycrofts Road 1st Street	Pycrofts Road 1st Stree			Pycrofts Road	:	510
	18th Manicka Maistry Street	Manicka Maistry Stree			Jani John Khan Road	:	400
Pycrofts Road Mahomad Hussain Lane	18th Pharoz Sahib Street	Pharoz Sahib Street	1		Mahomad Hussain Lanc	1	370

APPENDIX II.

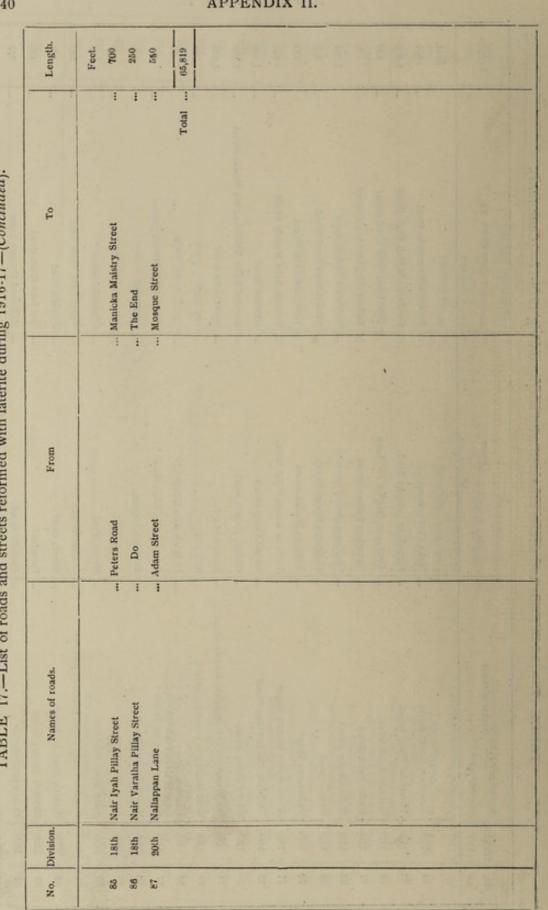


TABLE 17.-List of roads and streets reformed with laterite during 1916-17-(Concluded).

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APPENDIX II.

4	0	9						
Length.	Fcet.	850				-	12	
To	Police Station							
From	Vizianagaram Maharajah's Fountain						and a	
Names of roads.	Footpath in Wallaja Road		•		··· · · · · · · · · · · · · · · · · ·			
Division.	17th							
	second in the local division of the local di	the second se	and the second se					

TABLE 17(a) — List of roads and streets tarred and retarred during 1916-17.

			-													
Prect. 2,830	4,174	1,298	3,900	3,400	2,030	2,500	20,032							the .	In the	
:	:	:	:	1	:	1				1						
Narayanappa Naick Street (New tarring)	Fraser Bridge Road (Tarred twice in 1916-17)	Evening Bazaar Road	Pycrofts Road	General Patters Road	Sunkuwar Street	Edward Elliots Road	Total									
	1		- A	:	1	i i						-	-			
Party's Corner	. Evening Bazaar Road	. The Bridge	Napier Bridge	Government House Bridge	Pycrofts Road	Ice House Road							and the state of the state of the state of the		- max	
North Beach Road	Moore Road	General Hospital Road	South Beach Road	Mount Road	South Bcach Road	South Beach Road				•					- Amerika sundi	a part 11 and 12 and 14
4th	9tb	9th	17th	I7th	18th	19th						1	120			1
-	04		*	ю	÷								-			
	North Beach Road Parry's Corner Narayanappa Naick Street (New tarring)	4th North Beach Road Parry's Corner Narayanappa Naick Street (New tarring) 9th Moore Road Evening Bazaar Road Fraser Bridge Road (Tarred twice in 1916-17)	4thNorth Beach RoadParry's CornerParry's CornerNarayanappa Naick Street (New tarring)9thMoore RoadEvening Bazaar RoadParred twice in 1916-17)9thGeneral Hospital RoadThe BridgeEvening Bazaar Road	4thNorth Beach RoadParry's CornerNarayanappa Naick Street (New tarring)8thMoore RoadEvening Bazaar RoadKraser Bridge Road (Tarred twice in 1916-17)9thGeneral Hospital RoadThe BridgeEvening Bazaar Road17thSouth Beach RoadNapier BridgePycroits Road	4thNorth Beach RoadParry's CornerNarayanappa Naick Street (New tarring)9thMoore RoadEvening Bazaar RoadPreser Bridge Road (Tarred twice in 1916-17)9thGeneral Hospital RoadThe BridgePreser Bridge Road (Tarred twice in 1916-17)17thSouth Beach RoadNapier BridgePreser Bridge Road17thMount RoadMoint RoadPreser Bridge	4thNorth Beach RoadParry's CornerNarayanappa Naick Street (New tarring)9thMoore RoadEvening Bazaar RoadKraser Bridge Road (Tarred twice in 1916-17)9thGeneral Hospital RoadThe BridgePycrofts Road17thSouth Beach RoadNapier BridgePycrofts Road17thSouth Beach RoadGovernment House BridgePycrofts Road18thGouth Beach RoadPycrofts RoadBukuwar Street	4thNorth Beach RoadParry's CornerMarayanappa Naick Street (New tarring)9thMoore RoadEvening Bazaar RoadPreser Bridge Road (Tarred twice in 1916-17)9thGeneral Hospital RoadThe BridgePreser Bridge Road (Tarred twice in 1916-17)17thSouth Beach RoadPreser BridgePreser Bridge17thSouth Beach RoadNapier BridgePreser Bridge18thSouth Beach RoadPreser BridgeBunk war Street19thSouth Beach RoadPreser Road19thSouth Beach RoadBridgeBunk war Street19thSouth Beach RoadIce House RoadBunk war Street	4th North Beach Road Parry's Corner Parry's Corner Evening Bazaar Road Parry Street (New Farring) 9th Moore Road Evening Bazaar Road Evening Bazaar Road 9th General Hospital Road The Bridge Precing Bazaar Road 17th South Beach Road Napier Bridge Precing Bazaar Road 17th South Beach Road Precise Rridge Precise Read 17th Kount Road Rvening Bazaar Road Precise Rridge 18th South Beach Road Precise Road Bukuwar Street 18th South Beach Road Iterval Patters Road Bukuwar Street 19th South Beach Road Ice House Road Bukuwar Street 19th South Beach Road Ice House Road Edward Elliots Road	4th North Beach Road Parry's Corner Brarynappa Naick Street (New Iarring) 9th Moore Road Evening Bazaar Road Presen Bridge Road (Tarred twice in 1916-17) 9th General Hospital Road The Bridge Present Road 17th South Beach Road Napier Bridge Present Road 17th South Beach Road Napier Bridge Present Road 17th South Beach Road Bridge Present Road 18th South Beach Road Present Road Brinkuwar Street 19th South Beach Road Ice House Road Edward Elliots Road	4th North Beach Road Party's Corner Party's Corner Reasymappa Naick Street (New tarring) 9th Moore Road Evening Bazaar Road Preser Bridge Road (Tarred twice in 1916-17) 17th South Beach Road The Bridge Preser Bridge Road 17th South Beach Road Napier Bridge Preser Bridge Road 18th South Beach Road Presert House Bridge Preserts Road 18th South Beach Road Preserts Road Preserts Road 18th South Beach Road Preserts Road Breveat 19th South Beach Road Intervare Street Edward Elliots Road 19th South Beach Road Ice House Road Edward Elliots Road	4th North Brach Road Parry's Corner Nargyanappa Naick Street (New larring) 8th Moore Road Evening Bazaar Road Kraser Bridge Road (Tarred twice in 1916-17) 8th General Hospital Road Bridge Evening Bazaar Road 17th South Beach Road Napier Bridge Perceins Bazaar Road 17th Momt Road Perceing Bazaar Road	4th North Beach Road Parry's Cornet Margyunapa Naick Stree (New tarring) 6th Moore Road Evening Bazaar Road Praser Bridge Road (Tarred twice in 1916-17) 7th General Hospial Road The Bridge Preser Bridge Road (Tarred twice in 1916-17) 17th South Beach Road Preser Bridge Preser Bridge Road 17th Moort Road Reneat House Bridge Branck Road 18th Gouth Beach Road Pycrofts Road Bunkuwar Street 19th South Beach Road Roward Ethics Road Preset 19th South Beach Road Revente Road Revente Road 19th South Beach Road Revente Road Preset 19th South Beach Road Revente Road Preset 19th South Beach Road Revente Road <td>4th North Beach Road Parry's Cornet Narymarpa Naick Street (New tarring) 0th Moore Road Evening Bazar Road Narymarpa Naick Street (New tarring) 0th General Hospital Road - Evening Bazar Road - Narymarpa Naick Street (New tarring) 17th General Hospital Road - Napier Bridge - Percods Road 17th Monet Road Napier Bridge - Percods Road <td>4th North Brach Road Parry's Corner Narsynanepa Naick Street (New tarring) 8th Moore Road Evening Bazat Road </td><td>4th North Breich Road Burry's Conner Narzymanppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road Narzymanppa Naick Street (New tarring) 9th General Hoopital Road The Bridge Prevening Bazaar Road <</td><td>4th North Beach Road Parry's Corner Naryamppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road 1Th Beach Road Evening Bazaar Road 1Th Moore Road The Bridge 1Th Moort Road Narger Bridge 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road </td></td>	4th North Beach Road Parry's Cornet Narymarpa Naick Street (New tarring) 0th Moore Road Evening Bazar Road Narymarpa Naick Street (New tarring) 0th General Hospital Road - Evening Bazar Road - Narymarpa Naick Street (New tarring) 17th General Hospital Road - Napier Bridge - Percods Road 17th Monet Road Napier Bridge - Percods Road <td>4th North Brach Road Parry's Corner Narsynanepa Naick Street (New tarring) 8th Moore Road Evening Bazat Road </td> <td>4th North Breich Road Burry's Conner Narzymanppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road Narzymanppa Naick Street (New tarring) 9th General Hoopital Road The Bridge Prevening Bazaar Road <</td> <td>4th North Beach Road Parry's Corner Naryamppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road 1Th Beach Road Evening Bazaar Road 1Th Moore Road The Bridge 1Th Moort Road Narger Bridge 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road </td>	4th North Brach Road Parry's Corner Narsynanepa Naick Street (New tarring) 8th Moore Road Evening Bazat Road	4th North Breich Road Burry's Conner Narzymanppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road Narzymanppa Naick Street (New tarring) 9th General Hoopital Road The Bridge Prevening Bazaar Road <	4th North Beach Road Parry's Corner Naryamppa Naick Street (New tarring) 6th Moore Road Evening Bazaar Road 1Th Beach Road Evening Bazaar Road 1Th Moore Road The Bridge 1Th Moort Road Narger Bridge 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Moort Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road 1Th Bouth Reach Road Perceing Bazaar Road

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APPENDIX II.

TABLE No. 18.

Table showing the monthly rainfall and water level in the Red Hills Lake.

year.	Rainfall in inches.	Tank water surface average.	Remarks.
1916	•31	41.79	
.,		40.06	
	3.71	38.33	the state of the second s
and the second second	3.26	37.51	These figures are according to
12000	4.09	36.72	the Government P. W. D.
	3.40	38-29	datum.
	A STATE OF STATE		
			and the second sec
			and the second sec
1917			
		10 T T T	the second s
	,, ,,	year. inches. 1916 .31 "," "," "," "," "," "," "," "," "," "," 12:25 "," 12:35 "," 1917 "," .13	year. inches. average. 1916 31 41.79 "," 40.06 "," 3.71 38.33 "," 40.06 "," 40.06 "," 40.09 "," 36.72 "," 340 38.29 12.25 "," 12.35 "," 3.64 1917 02 "," .13 43.81 "," 43.81

TABLE No. 19.

Statement showing the amount of water used for non-domestic purposes and billed for during the year 1916-17 and the total collections of the year.

Period.	QUANTITY OF WATER USED DURING THE YEAR. Gallons.	Bills iss during year	the		Amoun collecte during t year.	d		Rema	RKS.	1. A.
March 1916	2,37,98,383		A.0 12		Rs.	A. H	?.	1	line	210
April " …	1,72,76,166	12,957	2	0		1				
May ,,	1,69,31,666	12,698	12	0						
June "…	1,56,43,666	11,732	12	0		1	1			
July "…	1,58,40,166	11,880	2	0						
August " …	1,74,88,000	13,116	0	0		-				
September " …	1,73,04,166	12,978	2	0						
October " …	1,57,78,583	11,833	15	0						
November ,,	1,4:,08,666	10,581	8	0						
December ,,		12,427	6	1						
January 1917		10,267	2	0						
February	1,21,33,416	9,100	1	0			1			
Water supplied & billed for by Special Works Department.	5,81,215	435	14	7						
Total	19,71,43,376	1,47,857	8	7	1,52,716	10	7			
Deduct remissions and refunds Balance	. 19,71,43,376	19 1,47,838	4	07	•1,52,716	10	7			
	19,18,49,662 arrears of previou	and the second se			A CONTRACTOR OF A CONTRACTOR O		2			

TABLE No. 20.

Table showing the prosecutions instituted during the year 1916-17,

Works and License Departments.

			. 1		1							
d.	P	~	•	0	-		0	0	0	0	0	0
bose	Α.	4	0	° 20	1.01	13.0	9	ł	0	14	0	0
Fines imposed.	Rs.		43	162			31	4	19	52	6	322
Undisposed.			:	C1			59	1	6	69	21	142
Party not found.				4			6	.:	:	11	1	28
uwanbihiW			1	63		1	2,696	53	188	1,349	1	43,51
Acquitted.			:	:			1	:		1	:	67
Convicted.			30	44			52	11	10	63	3	213
No. of Summonsee granted.			31	113			2,817	65	2.7	1,493	2	4,736
Charge.		WORKS DEPARTMENT.	198, 221 and Unlawful entry and prohibition against contamination of water-supply, &c	Construction or re-construction of buildings without senetion		LICENSE DEPARTMENT.	For encroachment or projection	For putting up temporary pandals without sanction	For making holes and causing obstruction in streets	For using inflammable materials for buildings	For unlawful keeping of swine or animals so as to be a nuisance and feeding them with offensive matter.	Carried over
Sections. or By-laws.			198, 221 and 319	o 271, 286		10 0	247 & 248	249 (b)	352 & 258	262	312	

144

APPENDIX II.

4

Works and License Departments.-(Contd.).

145

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TABLE No. 21.

Table showing the number of electric lights fixed in 1916-17.

	No.		Locality.			No. fixed.
	1	Monegar Choultry Road, Railwa	ay level crossing			1
	2	Angappa Naick Street				4
	3	Coral Merchant Street				1
	4	Jones Street				1
	5	Muthumari Chetty Street				2
	6	Mukernallamuthu Chetty Street				2
	7	Sembudoss Street				9
	8	Philips Street				1
	9	Francis Joseph Street				1
12	10	Kondi Chetty Street				2
	11	Gomes Street				1
	12	Mclean Street				2 .
	13	Singanna Naick Street				2
	14	Perianna Maistry Street				2
	15	Tuckers Lane				1
	16	Mannady Street				8
	17	Ramaswamy Street				5
	18	Salaivinayagar Covil Street		·		5
	19	Kachaleswarer Garden Street				4
	20	Savarimuthu Street				2
	21	Iyappa Chetti Street				2
	22	Post Office Street	5			2
	23	Malayappan Street				3
	24	Nyniappan Street				3
	-25	Ebramjee Sahib Street	·· .			2
	26	Sengalneer Pilliar Covil Street				3
	27	Baker's Street				2
	28	Venkata Maistry Street				2
	29	Kandappa Chetti Street				1
	30	Davidson Street			•••	3
	-31	Parish Venkatachela Aiyar Stree	t			3
	32	Stringers Street			•••	3
	33	Somasundara Mudali Street				1
	34	Kuppier Street				2
	35	Mint Street Chinanaickaran Street				1
	-36					2
	37	Thambunaick Lane Wall Tax Road				1
	.38	II and Oakit Oland				1
	39				•••	2
	40	Venkatasamy Lane Krishnappa Maistri-Street				1
	41 42	Hanumantharoyan Covil Street				2
	42	Edapalayam Street			•••	2
	44	Singannan Street				5
	45	Ekambarer Eswarar Agraharam				2
		2				-
		A CARLER OF THE OWNER		Carried ov	er	103

14

3.7		
- N	0.	
	~	

Locality.

No. fixed.

			-			nxea.
				Brought forward	d	103
-46	Mannar Street					1
47	Badriah Garden Stre	 at				1
48						2
49	Kalappa Achari Stree					
50	Rasappa Chetti Street					. 5
	Bangarammen Street.					2
. 51	Nyniappa Maistry Str					2
52	Paramasiva Chetti St					1
- 53	Vengu Chetti Street					1
54	Isaac Street					2
	Periera Street	···· Land the last				1
56	Anthony Street					1
57	Ponnappa Chetti Stre	et				3
-58	Kesavier Street					1,
59	Pilliar Covil Street				•••	2
-60	Ravanier Street				••••	1
61	China Bazaar Road					1
- 62	Narasimhadasary La					1
-68	Elakandappan Street					1
64						2
-65	and the second se					1
66	Arrack Godown Stree	:t				3
-67	Jeson Street					1
68	Stringers Street					1
-69	Narayanappa Chetti I	Lane				1
70	Nannayan Street				.,.	1
71	Elephant Gate Road					20
72	Clemans Street					2
73	Poonamallee High R	oad Lane				2
74	Graemes Road					7
75	Graemes Lane					3
76	College Road					9
77	Haddows Road					5
78	Nungambakkam Hig	gh Road				10
79	Stirlings Road					4
80	South Beach Road M	farina		· ··· · ·		25
-81	St. George's Cathedra					. 9
-82	Mylapore Madah Str					9
83	Luz Church Road					1
-84	Wallers Lane					2
85	Kennedy Street					2
86	Janijankhan Road					5
87	D'Silva Road					2
-88	Olivers Road					3
89	Peter's Road, Royape					11
-99	Saminaickan Street			···· ····		2
:91	Lafond Street					2
				the fact that and	art -	
				Tot	al	277

TABLE No. 22.

Total of License fees recovered and the number of applications or cases dealt with during the year 1916-17.

Total No. of appli- cations or cases dealt with.	Number refus e d or undisposed.	Number sanc- tioned.	Purpose.	License fee.			
Total	Numbund	Nun	a Cheve Shark Shark	the second	1		
21		21	Aerated water and Ice factories .	Rs. 2,100	A. 0	P. 0	
252	6	246	D.L.L.	. 2,145	0	0	
3		8	Blasting powder .	. 150	0	0	
2		2	n.	. 100	0	0	
40	1	39	Brick-kilns .	. \$15	0	0	
8,115	339	2,776	Construction or reconstruction of buildings an huts	d 6,318	8	0	
190		190	Breaking and hammering iron and manufacturing vessels out of iron.	. 1,900	0	0	
313		313	Beating metals or manufacturing vessels, utensil etc., with sheet metals	s, 626	0	0	
89		39	Candles .	195	0	0	
1		1	Carpet factories .	. 2	0	0	
21	1	20	Cart-stands .	750	0	0	
66		66	Casting metals .	490	0	0	
1		1	Cat gut .	15	0	(
790	15	775	Cattle yards	. 4,928	8	(
88	- 1	87	Charcoal, coal or coke .	1,208	0	(
15		15	Chemicals .	875	0	(
63	2	61	Cloths manufacture in Indigo or other colours .	. 1,290	0	(
8		3	Cocoanut fibre .	15	0	0	
14		14	Condiment factories .	140	0	(
14		14	Cotton .	260	0	(
88		88	Debas have and deather	. 88	0	(
2		2	Dynamite .	300	0	0	
3		3	Erection of steam boilers .	300	0	(
1		1	Fat .	15	0		
5,145	865	4,780	Carried over .	24,026	0	-	

Total No. of appli- cations or cases dealt with.	Number refused or undisposed.	Number sanc- tioned.	Purpose.	License fee.				
5,145	365	4,780	Brought for	mard		Rs. 24,026	A. 0	р. 0
1,100		1,100	Firewood	ward		3,561	0	0
118		118	Fireworks			478	8	0
13		13	Fish			39	0	0
59	1	58	Flour			290	0	0
2		2	Fulminate of mercury			100	0	0
4		4	Gas			200	0	0
57		57	Gilding and electroplating			280	0	0
83		83	Grave diggers			88	0	0
6		6	Gunpowder	*		600	0	0
240	3	237	Hack stables			880	0	0
15		15	Hair (souri)				0	0
2		2	Horns			100	0	0
14		14	Iron safe manufacturing			. 350	0	0
29		29	Lime				0	0
48		43	Markets (private)			3,750	0	0
456		456	Matches			1,338	0	0
47	11	86	Meat stalls, outside markets			185	0	0
2		2	Nitro glycerine			100	0	0
769		769	Obstruction, scaffolding, etc., under 252 and 253	sect	ions	2,028	12	0
68		68	Oil petroleum under Municipal Act			572	8	0
67	2	65	Do under Petroleum Act			2,236	8	0
. 122	18	104	Oil mills and presses			1,675	0	0
107		107	Oils of sorts			1,202	8	0
11		11	Oil boiling			55	0	0
1		1	Offal			50	0	0
. 2		5.	Oil cloth			25	0	0
592		592	Paddy boiling			664	0	0
6,814		6,814	Pandals			12,447	12	0
15,491	400	15,091	Carried	lover		58,042	8	0

Total No. of appli- cations or cases dealt with.	Number refused or undisposed.	License fee.				
	14. 31	Number sanctioned.		Rs.	Α.	P.
15,491	400	15,091	Brought forward	58,042	8	0
2		2	Paper factories	. 10	0	0
8		8	Pitch		0	0
41		41	Plumbers' licenses	410	0	
45		45	Pottery kilns	225	0	0
1		1	Rags	5	0	0
187	1	136	Skins, hides and leather	4,580	0	0
- 33		33	Spirits and turpentine	825	0	0
81		81	Straw, dry leaves, etc		0	0
4,086	2	4,084	Sunshades	6,713	0	(
4		4	Sulphur	100	0	- (
18		13	Swine	89	0	0
17		17	Tar	425	0	0
162		162	Timber, bamboo, palmyra rafters, etc	5,055	0	0
1		1	Wool	50	0	(
1		1	Contractor's registration fee	1	0	0
485	5	480	Washing soiled clothes	Fr.	ee.	
389	1	388	Butchers' licenses under sections 342 and 850	Land the Ball	cc.	-
250		250	Arrear collections	1,177	4	0
32	32		Advance collections	528	0	0
21,229	441	20,788	Less the amount refunded	78,835 164	12 0	000
	1 433, L		Total	*78,671	12	0
1 10		-	Total of fees collected under "Licenses, Regis- tration, etc.," including private markets and cart-stands.	1	-	
	1		During the year 1915-16	72,284	8	. 0
	1.750		Do. 1914-15	69,601		0
			Do. 1918-14	69,868	4	0

* Includes fees for Cartstands and Private Markets, viz., Rs. 4,550.

TABLE No. 23.

Disbursements.	Amount.			Receipts.	Amount.		
Establishment Allowance Labour.	4,658		3	Sale proceeds of hay and grass	RS. 846	а. 10	
Gardeners, &c Cost of food for animals Feeding animals and birds Purchasing animals and birds	3,570 48 14,303 390	02	01	Payment by contractor for mena- gerie collections Miscellaneous	8,531 1,142		
Other charges. Clothing for sergeants and peons. Weeding and cutting grass Sundries, &c. Repairing gravel walks Do. bandstand, seats, etc. Do. lamp posts Purchasing tub, manure, &c Improving and covering foliage shed	123 984 516 29 99 23 306 206	2 14 7 12 8 11	8 4 6 10 0	keep of the Zoological collec-	10,520 2,000		
Constructing masonry stands General repairs to cages Stationery Printing Advertisement Fee: for band Removing silt from the lake	35 1,592 26 23 23 940 105	14 1 2 0 5 0 7	6128002	Met from the Corporation funds	15,538	8	
Fools and plant	23,348 38	20	9 7				

People's Park .- Statement of Receipts and Disbursements for the year 1916-17.

TABLE No. 24.

Napier Park.

Disbursements.	Amount.			Receipts.	Amount.			
15 Manual and		RS.	۸.	₽.		Rs.	A.	р.
Establishment Allowance		561 120			Sale proceeds of hay and grass.			
Labour.			-		Miscellaneous	286	ð	11
Gardeners, &c Clothing for peons Contingencies		684 37 2			10 10 10 10 10 10 10 10 10 10 10 10 10 1			
Tools and plant		724 19		29	Met from the Corporation funds	1,139	7	0
Tots	a	1,425	12	11	Total	1,425	12	11

TABLE No. 25.

Disbursements.	Amount.	Receipts.	Amount.		
Establishment Labour.	ES. A. P 1,022 9	Sale of grass, &c	ns. A. F 404 14 (
Gardeners, Engine Driver and Lascar Oil for lighting Clothing for peons Purchasing wire fencing repair- ing hand carts, etc Renewing coir matting Purchasing tubs, manure, &c Fees for playing band Extending Foliage shed Wooden Foliage shed Do. Bower Repairing and paintng seats, &c. Stationery Fuel, &c., for oil engine	17 0 0 174 2 0		7,022 15 10		
Tools and plant	6,414 4	Total	7,436 13 10		

Robinson Park .-- Statement of Receipts and Disbursements for the year 1916-17.

TABLE No. 26.

Loane Square.-Statement of Receipts and Disbursements for the year 1916-17.

Disbursements.	Amount.	Receipts.	Amount.		
Allowance Labour Purchasing tubs Painting railing gates and white washing Fees for band playing Tools and plant Total	Rs. A. P. 60 0 0 251 12 11 35 6 8 208 15 7 1,175 0 0 1,731 3 2 1,731 3 2	Met from the funds of the Cor- poration	RS. A. P. 1,731 3 2 1,731 8 2		

TABLE No. 27.

CORPORATION WORKSHOPS.

Statement showing the number and cost of works executed during 1916-17.

2.11						Number,	Cos		
				2			Rs.	A.	P.
I.	Departmental W	orks				2,649	1,00,339	13	8
п.	Private Works					169	2,739	6	4
ш.	Foreign or Adva	nces Reco	verable W	Vorks		124	1,633	2	10
					Total	2,942	1,04,712	6	5
	New Works			•	949		in days	-un	12.
	Repairs				1,993				

TABLE No. 28. CORPORATION WORKSHOPS.

Statement showing the estimates amounting to Rs. 1,000 and above executed during 1916-17.

No.	Particulars.	Amount of the Estimates	Expendi- ture.
1	Manufacturing and supplying 50 galley frames and gratings for drainage section	Rs.	Rs. 892
2	Manufacturing 32 single bullock rubbish carts	4,256	3,519
3	Manufacturing 10 Do. do	1,560	1,298
4	Manufacturing one gross lanterns	1,012	525
5	Manufacturing 500 silt catcher buckets	1,625	1,350
6	Manufacturing 32 single bullock rubbish carts with supply and transport wheel on 32 single bullock night-soil carts	11,200	9,832
7	Manufacturing 20 cast-iron glow lamp posts, ladder arms, W, I. buckets, etc	1,322	1,146
8	Manufacturing 500 street lanterns	3,010	2,737

TABLE No. 29.

CORPORATION WORKSHOPS.

Statement showing the number and description of carts, buckets, etc., manufactured during 1916-17.

P	articulars		No.	
Rubbish carts		 	64	to beneficialities and
Hand carts, with bucket	ts iron	 	15	sandiframerica 20
Do. box v	vooden	 	4 .	This Printer on Sugar
Trolly wooden		 	1	
Barrel cart		 	1	
Night-soil carts		 	32	and the second of the
Do. buckets, with co	vers	 	104	ring\$5
Night-soil pails		 	178	
Brought iron meter doo	ors	 	150	
Lanterns		 	500	mierola manteta il.
Manhole covers	'	 	6	
Cast-iron stop cock cov	ers	 	900	E hotel
Hydrant covers		 	40	E
Cast-iron surface boxes		 	200	in more alerta a 2
Silt catcher buckets		 	500	Maria an Aola
Cast-iron " T" joint bo:	xes	 	200	T Manufacturing D
Do. Electric glow	lamp posts	 	20	- Cuntillanger Ter

TABLE No. 30. CORPORATION WORKSHOPS.

Statement of new machinery purchased during 1916-17.

		No.	Value.		
- 24 7.4		Nil.	and a special strain strain of the	194	Rs. A. P.
and a	0.81	un in	sugaturd boots	P- inte	and the state

Report of the Sub Assistant Inspector of Schools, Georgetown Range, on the working of the schools aided and maintained by the Madras Corporation, during the official year 1916-17.

Number and strength.—There were at the close of the year 21 schools as against 16 at the end of the previous year. The new schools started during the year were opened late in the year—one of them on the 17th February, another on the 22nd March, and the three others on the last day of the official year. Thus practically no work was done in the new schools during the year.

A statement showing the strength and attendance is enclosed herewith. Figures are given therein to show the number of pupils belonging to the backward classes attending these schools. It will be seen that the schools have been largely attended by children belonging to the backward and poor classes and have thus been most useful.

Accommodation and Equipment.—All the schools are well accommodated in buildings constructed by the Corporation. There are, however, a few minor points to be attended to—such as the provision of taps to some of the new schools, e.g., Cemetery Road, the construction of a fountain for an aquarium in the same school, the levelling of the drill ground with sand, e.g., at Periamet and the construction of a latrine to the Angappa Naicken Street School.

Some of the schools were supplied with apparatus and appliances during the year while orders have been placed for the new schools and it is expected that before long the supply will be made. It is gratifying to note that during the year the Corporation have added to the already fairly abundant supply of journals and periodicals for the use of the staffs of the schools. I think this has had a most beneficial effect upon the general knowledge of the teachers.

Staff and Instruction.—As usual the staff of each of the schools consisted of a Headmaster, four Assistant Masters and a Handicraft Instructor, though a few of those newly appointed in connection with the opening of the new schools did not join duty during the year. The teachers are all trained—many of them being fully qualified, while others, who were recently trained, will appear at an early date for the Final Examination for Teachers' Certificates.

I venture, however, to make two suggestions regarding the recruitment of teachers. In the first place the field of recruitment should be as wide as possible, as recently appointments have been made of men of little or no experience, and it is desirable to appoint, where possible, men with some years of teaching to their credit. In the second place, it might be well in some cases to appoint Panchama teachers, who are specially useful in certain particular backward localities.

Finance.--- I am not in possession of particulars relating to this item.

Schools aided by the Corporation .- Nil (Para. 2 of G.O. No. 820-M., dated 25th May 1911.

General Remarks.—As remarked elsewhere in this report the schools have been most useful to the poor children in their respective localities. All the schools with the exception of the newly opened ones had their annual inspection.

They were also visited trequently by surprise by the inspecting officers concerned and suggestions and instructions were given. Thanks are specially due to the Superintendent of the Government Museum for a series of lectures with demonstrations, delivered for the benefit of, among others, the Corporation teachers. The elementary section of the Madras Teachers' Guild deserves our gratitude for having delivered their most useful series of lectures at two centres simultaneously. A medical inspection of several of the schools was conducted by Lt.-Col. Donovan, I.M.S., and Dr. Simonsen during the year.

Serial No.	Name of School.	Standards of Instructions.	on 31st	n rolls March 16.	No. or on 31st 19		Aver		No. of pupils from backward classes attending the School
Se	Lille Weisen stoud	Star	Boys.	Girls.	Boys.	Girls.	1915-16	1916-17	No. of backy attendi
1	2	8		4		5		3	7
$ \begin{array}{c} 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 18\\ 19\\ 20\\ \end{array} $	Corporporation School, Vallabha Aghraharam. Chetput Periamet Chintadripet Purasawakkam Mylapore Mylapore Mylapore Mylapore Sungambakam Goyatope Thousand Lights Venkatarangam Pillai Street Bell's Road Choolai Triplicane High Road Ammayappa Mudali Street, Royapettah Sanjeeverayanpet Malayappan Street Korukupet Salaivinayagarkoil Street Angappa Naicken Street Vasap Modu* Cemetery Road†	Infant to IV.	141 170 91 161 200 177 177 131 104 74 71 173 81 160 6 14 	25 36 49 31 2 6 41 38 35 34 39 7 13 24 6 286	141 135 102 163 191 160 171 146 89 107 162 40 6 8 164 90 181 111 111 111 60 	25 36 23 41 3 17 50 23 13 41 53 8 6 18 10 23 14 404	134 170 100 136 169 136 163 139 86 87 78 139 86 87 78 145 84 132 12 14 1795	143 140 89 142 161 164 171 91 78 114 150 32 6 8 134 95 127 81 82 44 	22 157 87 107 108 138 127 110 92 119 95 38 6 8 40 69 111 90 9 54
	altan an ar	Total.	1,931	386	2,338	404	1,785	2,052	1,587

72	- 7		
H 93.	cı.	051	tre.
1210		0.31	81 6.0

* (Started on 17-2-1917.)

† (Started on 81-3-1917.)

(The state of the	2.002.000.000.00								
	1916.		1917		Total population				
Institutions.	Jo numper of Numper of Schools.		ls on	umber of chools.	Number of pupils on 31st March.		of School- going age.		REMARKS.
	Schools, Bo	Boys.	Girls.	Number (Schools,	Boys.	Girls.	Boys.	Girls.	REM
Elementary Schools for Boys.					1				
Municipal Aided from Muni-	16	1,931	386	21	2,338	404			-
cipal Funds Others :				••••			\$ 39 970	37,829	
(1) Recognised (2) Unrecognised	192 61	15 488 2,367	2.486 108	201i 54	16,866 1,714	2,7:0]		
Total Elementary Schools for	269	19,786	2,980	281	20,918	3,209			
Girls. Municipal Aided from Muni-]		2.444
cipal Funds Others :				10000			\$ 39,970	37,829	
(1) Recognised(2) Unrecognised	56 3	721 32	7,953 290	59 4	901 20	8,022 152	j.		
Total	59	753	8,243	63	921	8,174			

Statement No. 1 relating to general statistics in Educational Institutions in the area under the control of the Corporation of Madras, (1916-17).

Statement No. 2 giving particulars as to the qualifications of the teaching staff employed in institutions maintained or aided from Municipal funds, (Corporation of Madras).

Class of Institutions.	Number of teachers employed,	Number possessing professional certificates.	Numter possessing general educational certificates only.	Number entirely uncertificated.	Remarks.
Elementary Schools for Boys.					anticatory operation
Maintained by the { Males Corporation. { Females	124 	120 	3	1	
Aided by the Corporation. { Males					and the H have
Aided from Pro- vincial Funds. { Males Females	767 29	$\begin{array}{c} 354 \\ 10 \end{array}$	336 13	7 7 6	
Total .		474 10	339 13	78 6	
Elementary Schools for Girls.				-	
Maint-ined by the Corporation Aided by the Corporation					
A ded from Provincial Funds. { Males Females	$\begin{array}{c} 20 \\ 536 \end{array}$	18 372	$\frac{2}{146}$		

Appendix IV.

ANNUAL REPORT OF THE ROYAPETTAH HOSPITAL FOR THE YEAR 1916-17.

Accommodation.—The hospital accommodates 76 patients, 68 beds for Indians and 8 beds for Europeans and Eurasions.

Patients treated.—There were 2,594 in-patients and 61,381 out-patients, the corresponding number for last year were 2,512 and 62,844, respectively—an increase of 82 in-patients and a decrease of 1,463 out-patients. It is difficult to attribute any definite cause for this decrease, perhaps the comparative absence of Malaria may be the reason. Another casual factor might be the death of Khan Sahib Syed Mohidin Sahib, a respected and esteemed Sub-Assistant Surgeon, who ran the out-patient Department on the womens' side.

Operations.—A total of 4,971 were performed during the year—1308 in the patients in hospital and 3,663 in the out-patients' Dispensary. There was an increase of 245 operations in hospital and most of these were major operations. Great credit is due to Dr. Ganapathy Ayyar, my assistant, for the large number turned out this year.

Amount of Recoveries.—The amount recovered from patients treated in the special wards, was Rs. 564, the charge being eight annas a day.

Establishment.-This is sufficient and more than sufficient.

Epidemics—The infectious diseases were treated in the adjunct to this hospital, *i. e.*, at Krishnampet. There were 209 cases of Small-pox, with 19 deaths; Cholera only four cases with two deaths. The other minor ailments were Chickenpox 64 cases and Measles 32 cases, with no deaths. A novel feature in the history of the Isolation Hospital was the admission of 15 cases of Plague, 12 of this number died. All the persons admitted were imported from the outlying districts.

Inspections and remarks by visitors.—With the exception of a few visits by the President of the Corporation, this hospital was as usual not troubled by any visitors of any note.

General Remarks.—None, the hospital is getting on as usual. It is with regret I have to chronicle the death of senior grade Khan Sahib Syed Mohidin Sahib. He was much resorted to by the people in the out-patients Department and it was his presence there that gave most of the popularity, won by this hospital in Madras; his loss will be difficult to fill.

MADRAS,	C. DONOVAN, LTCol., I.M.S.,
6th May 1917.	Superintendent, Royapettah Hospital.

CONCISE ANNUAL REPORT OF THE CHINTADRIPET LISPENSARY FOR THE YEAR 1916 17.

(1) Accommodation.-Accommodation is sufficient.

(2) Admissions.—The total number of patients treated and the daily average attendance were 35,475 and 249.33 as against 35214 and 262.17, respectively, during the previous year. The number of operations performed was 1,500 as against 1,517. The dispensary thus maintains its popularity.

A statement showing the classes of diseases treated is attached.

(3) The dispensary was inspected by the Surgeon, Third District.

(4) Establishment.-There has been no change in the establishment.

(5) Finance.—The total cost of maintaining the dispensary for the year was Rs. 4,589-10-8 as against Rs. 4,132-7-10 in the previous year. The variation is explained under the following headings :—

(a) Establishment.—The expenditure under this head was Rs. 2,090-15-8 as against Rs. 2,106-1-4 in the previous year.

(b) European medicines.—The cost of this was Rs. 1,699-12-0 as against Rs. 1,378-8-7 in the previous year. The difference of Rs. 321-3-5 is due to the great difference in the cost of European medicines.

(c) Bazaar medicines.—Under this heading there was an expenditure of Rs. 68-11-0 in the year under report.

(d) Miscellaneous Charges. - These amounted to Rs. 569-10-7 as against Rs. 647-13-11 in the previous year. The difference is probably due to the fact that the dispensary furniture was not varnished during the year under report.

(e) Buildings and Repairs.—There was an expenditure of Rs. 160-9-5 under this heading.

(f) General Remarks .- Nil.

CHINTADRIPET DISPENSARY,

4th June 1917.

E. VIJAYAM.

Sub-Assistant Surgeon.

CONCISE ANNUAL REPORT OF THE WASHERMANPET DISPENSARY FOR THE YEAR 1916-17.

1. Accommodation .- Sufficient.

2. Inspection.-The Surgeon, First District inspected the dispensary every week.

3. Number of patients treated as compared with the previous year.—The total number of patients that attended the dispensary was 23,007, against 19,136 in the previous year. The increase is due to the institution growing popular.

Year.		1	Malaria.	
1915-16	 		4821	
1916-17	 		3269	

4. The most common diseases treated were :--

					NO.
All other	diseases of	the	digestive sy	stem .	 3,346
Malaria					 3,269
Ulcers					 2,550
Other dis	seases of the	e ski	n		 2,538
Diseases	of the ear				 2,089
All other	diseases of	the	Respiratory	system.	 1,483
Local Inj	uries				 1,318

5. The maximum number of patients that attended the dispensary on any one day was 234 on 27th August 1916. The daily average was 158.66 against 139.2 in the previous year.

6. The total number of operations performed during the year under report was 543.

7. Establishment.—A female surgical attendant was entertained on Rs. 8per mensem from 27th October 1916 to attend to the surgical dressings of women and children, when the midwife is away on out-door labour cases.

8. Work done by the Midwife.—The midwife attached to this dispensary conducted 301 cases of out-door labour against 138 cases last year. Her services were well utilized for the convenience of the public attending to out-door cases of labour.

MADRAS,

25th May 1917.

MUHAMMAD ALLY, L.M.P., Sub-Assistant Surgeon in Charge Washermanpet Dispensary.

General Remarks.—The Midwife is doing good work and has made progress during the year.

The total number of patients seeking advice shows a marked increase.

On the whole the dispensary appears to fulfil a need and is appreciated by the people in the vicinity.

25th May 1917.

MADRAS,

R. BRYSON, Lt.-Col., I.M.S.,

Surgeon, First District.

CONCISE REPORT OF THE BAULIAH NAYUDU DISPENSARY, VEPERY, FOR THE YEAR 1916-17.

The dispensary is situated in a central place quite convenient to the residents in Pursawakkam, Vepery, Choolai and Kilpauk and even those residing in far away places such as Otary, Perambur, Egmore, New Town, Nungambaukam Chetput and Pudupet resort to the dispensary,

> Establishment.—Consists of the following staff :— One Senior Grade Sub-Assistant Surgeon. One Fourth do. do. Three Compounders. One Nurse and Midwife.

One Male Ward Attendant. One Female do. Four Peons. One Sweeper.

The total admissions of the out-patients treated during the year was 47,065 against 43,491 in the previous year. The daily average of the patients was 265.50 against 273.28 in the previous year. 1971 minor operations were performed during the year against 2,168 in the previous year.

The maximum number of patients treated on any one day was 402, on 18th August 1916.

There was remarkable fall under Malaria and other fevers during the past two years as shown below :--

Year.	Malaria.	Other fevers.	Total.
1914-15	7,874	6,674	14,548
1915-16	3,274	2,448	5,722
1916-17	1,947	3,550	5,497

Though it was notified that the services of the midwife, are available at all hours, only three cases of labour were conducted during the year. Her work as midwife is unsatisfactory.

VEPERY, 5th June 1917. S. SETH, Senior Sub-Assistant Surgeon in-Charge.

The work of the midwife is very unsatisfactory. Unless she exerts herself and endeavours to get more cases I am of opinion her services should be dispensed with.

J. J. ROBB MAJOR, I.M.S.,

6—6—17. Offg. Presidency Surgeon, 2nd District, Madras.

REPORT ON THE WORKING OF THE RAJAH SIR RAMASWAMI MUDALIAR LYING-IN-HOSPITAL FOR THE OFFICIAL YEAR 1916-17.

Accommodation.—There are fifty beds in the hospital including eight beds in the contageous sheds.

Attendance.—995 out-patients and 1842 in-patients were treated during the year as against 894 out-patients and 1229 in-patients in the previous year. There was a large increase in the number of women who were confined, the number having risen from 914 in the previous year to 1375 in the year under report. The daily average sick was 35.4 in-patients and 7.20 out-patients as against 21.82 and 5.29, respectively in the previous year. Operations.—114 obstetric operations were performed during the year under report. The principle obstetric operations performed were.

Caesarian section	 	 	2
Forceps	 	 	60
Podalic version	 	 	23
Podalic extraction	 and	 	8
Evacuation of uleries	 	 	8
Craniotomy	 	 	3
Other operations	 	 	10

Visits.—Her Excellency Lady Pentland visited the hospital on 7th February 1917, and made the following remarks in the visitors book.

" It has been a great pleasure to visit the Sir Ramaswamy Mudaliar hospital this morning, especially with Lady Ramaswamy Mudaliar and her family who all continue to take so generous an interest in its progress. Everything is in beautiful order, and the midwives hosted and sanitary system now being installed are valuable improvements since I was last here. The hospital is crowded and admitted a record number last year. The best proof of its popularity and usefulness under the zealous care of Col. Bryson and his staff."

The hospital is being fitted with up-to-date sanitary fittings for which a very generous contribution has been made by Mr. S. V. Ramaswami Mudaliar son of the late Rajah Sir S. Ramaswamy Mudaliar the founder of this hospital.

5th June, 1917.

H. S. HALGE, Ag. Superintendent, Rajah Sir Ramaswami Mudaliar, Lying-in-Hospital.

MADRAS, 7th May 1917.

AYURVEDA BHUSHANA PANDIT M. DURAISWAMI AIYANGAR, A.K.A.C., Physician in charge of the S.K.P.D. Dispensary, Madras.

To

From

THE PRESIDENT,

Corporation of Madras, MADRAS.

SIR,

I have the honour to submit herewith the Administration Report for the year 1916-17, showing the work of the Sree Kanyaka Parameswari Ayurvedic Free Dispensary, Madras.

The institution has been in existence for the last 19 years and besides being the first of its kind in Southern India is also the best. There was also an Aurvedic College attached to this which had sent out eminent men who are to be found all over India either as private practitioners or as physicians in charge of dispensaries. This dispensary was highly useful to the Ayurvedic students for their clenical study, since its usefulness was very early recognized by the public and patients suffering from various kinds of diseases frequented it in greater numbers every year.

The statements attached herewith emphasise the relief offered to the sufferers who are more numerous this year than in the previous years. The number of patients treated during the year under report is 31717 and the total of daily attendance is 68475 while the corresponding figures of the previous year are 28,375 and 62,670, thereby showing an increase of 3342 and 5805 patients, respectively. The increase shows the popularity which the institution has gained.

I here want to point out that cases of Malaria, Dysentery, complaints relating to the respiratory, digestive and nervous systems and several kinds of skin disease have been successfully treated. The number of malarial patients treated this year is 6987 as against 5932 of last year thereby showing an increase of 1055. The medicine administered is free from quinine which is especially very costly at this time of war and hence treatment with quinine is a little out of reach to the poor; the chief ingredients of the medicine here used are chirata, ficoideoe, black hellebore, trichosanthes, cucumeric and tenospora cardifolia. These have antiperiodic and febrifuge actions. These with some other cheap ingredients are administered in cases of splenetic fever generally. These and all the other medicines prepared here are entirely in accordance with the Ayurvedic Pharma-copea and are no secrets to the profession.

The total expenditure of the dispensary including the establishment charges is Rs. 3,314-9-9 which shows the economical management of the institution. The average expenses for a patient per day amount to $9\cdot3$ pies.

"I had the pleasure of going round the S.K.P.D. Free Dispensary and was very much gratified to note how ably this institution was being conducted by the authorities. My friend Pandit M. Duraiswamy Aiyangar and his colleague C. V. Subramania Sastry who have devoted themselves whole-heartedly to the work deserve the thanks of all who care for the suffering humanity. The progress and popularity of Ayurvedic treatment shown by the great success of this pioneer dispensary in Madras are quite remarkable and judging from the great number of patients successfully treated here the good work done by this dispensary should be an eye opener to those who do not see much necessity of encouraging Ayurveda......."

A sum of Rs. 500 has, as usual, been granted by the Corporation during the year and the institution feels highly thankful for the same.

I have the honour to be, Sir, Your most obedient servant,

M. DURAISWAMI AIYANGAR. Physician in charge of the S.K.P.D. Free Dispensary, GEORGETOWN, MADRAS.

APPEXDIX IV

WESLYAN MISSION, MYLAPORE, MADRAS, 5th May 1917.

From

THE REV. J. S. M. HOOPER, M.A., Honorary Secretary and Treasurer, Kalyani Hospital, Mylapore.

To

THE PRESIDENT

OF THE CORPORATION, Madras.

SIR,

I have the honour to forward herewith the annual returns for the Kalyanihospital for the year 1916-17.

Throughout the year the hospital has continued under the charge of Mrs. Simonsen, who has been assisted by a resident lady Apothecary. In addition to the in-patient work of the hospital and its out-patient Department daily visits have been paid to the dispensary in Venkatesa Naick Street, Triplicane, instead of the tri-weekly visits of previous years.

The hospital and its dispensaries continue to be used by all classes of the community. Efforts have been made to increase the scope of its usefulness in the direction of pre-maternity instruction and advice, and in a number of cases there has been a gratifying response on the part of members of needy and ignorant communities to the offers of such help. But it is clear that for the checking of infant mortality a thorough and systematic approach must be made to the poorer classes in their own homes; it is by no means always possible to induce those who most need advice to go to hospital to get it. It is hoped however, that further progress may be made in this very difficult matter during the coming months.

> I have the honour to be, Sir, Your most obedient servant, J. S. M. HOOPER.

> > San Thome Dispensary, San Thome, Madras, 3rd May 1917.

M.R.Ry. RAO BAHADUR G. NARAYANASWAMI CHETTY GARU, Honorary Secretary, San Thome Dispensary, San Thome, Mylapore.

To

From

THE PRESIDENT, Corporation of Madras, MADRAS.

SfR,

I have the honour to furnish herewith the 43rd annual report on the working of the San Thome Dispensary for the year 1916-1917.

History.—This charitable institution was founded by the late Bishop Strachn M. D., in 1874, apparently in connection with the S. P. G. Mission, and is of great value, not only to the general public but also to the several charitable institutions in and around San Thome and Mylapore, and the poor of all classes of the community without distinction to caste, creed or nationality. It is in existence for the past 43 years, affording medical aid and surgical relief to the sufferers that resort to the place. It is now supported by the Corporation and by Public and managed by a local Committee.

Accommodation and Repairs.—The building in which the dispensary is located is the property of the S. P. G. Mission. It is suitable to its requirements. It is opened daily from 7 to 10 A.M. for treatment and medical advice, etc. The building was repaired and white-washed from the dispensary funds and it is now in a fair condition.

Total treated.—The number of new admissions during the year under report was 10,341 against 10,474 in the previous year and the average daily attendance was 62.80 against 64.52. The decrease of 133 cases and that of the average daily sick by 1.72 is chiefly attributed to the declining of Malaria and other fevers in the year under report.

Operations.-644 operations of minor nature were performed during the year.

Income.—The total income of the year from all sources is Rs. 1,550-7-9 against Rs. 1,349-11-0 in the previous year.

Supplies.—The supply chiefly is from the Superintendent, Medical Stores, Madras Command, and during the year Rs. 520-7-9 have been paid into the Madras Treasury for the purchase of medicines on the annual medical indent for the year 1916.

Establishment.—The staff consists of a licensed medical practitioner, a compounder and two menials.

It is not out of place to note that the Sub-Assistant Surgeon F. Immanuel Pillai has registered his name under the Madras Medical Act, IV of 1914 and provided himself with a certificate of registration and he has done useful work, and takes great interest to make the institution popular among the poor classes.

Administration :- The dispensary was inspected on several occasions by the members of the Committee during its working hours.

During the year the Committee met on five occasions for the transaction of business.

General Remarks :— The dispensary continues to do its good work to all, in and around San Thome and Mylapore, and maintains its popularity as usual and it requires more funds to carry out the work of the institution more efficiently. The members of the Committee thank the Commissioners of the Corporation for the monthly grant of Rs. 66-10-8 and an annual grant of Rs. 300 for the up-keep of the dispensary, and also to all charitable ladies and gentlemen

of the City of Madras, who actually sympathise with the needs of this institution and contribute their mites during the war.

Statement showing the attendance of patients treated, the finances, and the diseases treated are attached.

I have the honour to be, Sir, Your most obedient servant,

G. NARAYANASWAMY CHETTI. Honorary Secretary and Treasurer,

San Thome Dispensary.

THE VENKATARAMANA DISPENSARY AND MEDICAL SCHOOL, MYLAPORE.

During the year 1916-17 the number of patients treated at this dispensary was 25,598. The total attendance was 59,686 the daily average being 164, against 143 in the previous year. The dispensary is gradually increasing in its usefulness. The Minor Surgical Department is also proving useful. The number of patients that attended this department during the year was. 1460. The total attendance was 4879 the daily average being 14 (included in the above total average figure 164).

The Corporation of Madras has been kind enough to continue its contribution of Rs. 100 for the year.

THE	VENKATARAMANA DISPENSARY,	7
	MYLAPORE,	-
	26th May 1917.)

A. KRISHNASWAMI AIYAR.

for Secretary.

Forwarded to the President Corporation of Madras with reference to his letter No. R. G. D. C. No. 563. Sup./1917

THE VENKATARAMANA DISPENSARY, Mylapore, 26th May 1917.

A. KRISHNASWAMI AIYAR,

for Secretary.

ST. THOMAS' CONVENT DISPENSARY, SAN THOME. 21st April 1917.

From

THE LADY SUPERIOR, St Thomas Convent Dispensary,

San Thome, Madras.

To

THE PRESIDENT,

Corporation of Madras, MADRAS.

SIR,

I have the honour to forward herewith a report on the working of the Convent Dispensary for the year and trust that it will be found correct.

The work in the dispensary has been continued this year with great satisfaction in the relief procured to the poorer classes of Hindus, Muhammadans and Eurasians.

The number treated this year amounted to 9315 with an attendance of about 146 daily.

The new locality of the dispensary is more accessible to patients and the amelioration in the accommodation and the treatment seems to procure for them re-assuring advantages. In time, we hope to be able to provide more satisfactorily.

The dispensary is opened daily from 8-11 A.M. and from 5-6. 30 P.M. for out-door patients. Time besides these hours is allotted to the in-door patients:— These include the inmates of the institution comprising two orphanages, four schools for girls and boys; an asylum for old women, besides two industrial schools attended by young girls of the locality.

The principal diseases treated during the year were :--

				429
	···· Lasti			666
evers				233
vers				560
opuration of	f glands			195
				442
				378
				321
	·			216
		*		237
				472
				375
	evers vers opuration of 	evers vers opuration of glands	evers vers opuration of glands	evers vers opuration of glands

We trust that the Corporation of Madras whose members are ever labouring for the relief of the suffering classes, will approve of our efforts in seconding theirs, by continuing the help so far granted us.

> I have the honour to be, Sir, Your most obedient servant, M. FLORA F.M.M.,

Lady Superior.

MADRAS, Dated 14th June 1917.

From

M.R.Ry. G. A. NATESAN AVERGAL, Honorary Secretary to the Governors of the Victoria Caste and Gosha Hospital, Madras.

To

THE PRESIDENT, Corporation of Madras, MADRAS.

SIR,

I have the honour to submit the report of the working of the Victoria Caste and Gosha Hospital, Madras for the year 1916.

2. Miss. V. E. M. Bennett, M.B.B.S., (Lond.), acted as Superintendent till 31st March 1916 when she resigned, her place being filled by the appointment of

Miss. F. A. Scott, L.R.C.P. & S., (Edin', L.M. (Rotunda), a member of the Women's Medical Service for India who had hitherto been stationed at Nellore. The post of Assistant Superintendent was filled by Miss. E. L. Rebeiro and Miss. A. Almeida, respectively. Mrs. Pedroza continued as matron throughout the year.

3. The total number of in-patients for the period under report was 2,486 as against 2,159 in the previous year, but as the period under review for the year before consisted of 13 months instead of a year these figures reveal a great advance in the number of in-patients treated during the current year. The total number of in-patients and out-patients treated during this year was 13,539 as against 14,920 treated in the previous year.

4. During the period under report there has thus been a great improvement in the number of patients treated, particularly in-patients and also in the number of maternity cases attended and operations performed. There were 749 cases treated during this period as compared with 659 cases treated in the preceding year, an increase of 90 cases.

5. Of the 749 labour cases treated 501 were natural, 94 were difficult and 76 complex, the former requiring instrumental delivery and the latter surgical interference of some kind.

6. The number of Muhammadans and Hindus treated during the year are :---

	In-patients.	Out-patients.
Hindus	 1,622	8,897
Muhammadans	 864	3,893

The number of beds available is 84, whilst the total daily average of in-patients was 79.86.

7. During the year twenty-six beds were supported by the following ladies and gentlemen :--

Ma

1.	M.R.Ry. M. K. Rajagopala Achariar, Avergal	 1
2.	" O. A. O. K. Lakshmanan Chettiar Avergal	 1
3.	The Hon'ble Mr. J. O. Robinson	 1
4.	M.R.Ry S. Kasturiranga Ayyangar, Avergal	 1
5.	Messrs. Haji Muhammad Hanif Sahib and Haji	
	Nizamuddin Sahib	 1
6.	Rao Sahib Dr. U. Rama Rao	 1
7.	R. S. F. Simpson, Esq	 1
8.	A. J. Leech, Esq	 1
9.	Khan Bahadur Malang Hyad Badsha Sahib	 1
10.	Mr. C. Abdulhakim	 1
11.	The Hon'ble Mr. Justice C. V. Kumaraswami Sastriyan	 1
12.	The Hon'ble Surgeon-General W. B. Bannerman,	
	M.D., C.S.I., I.M.S	 1
13.	M.R.Ry. T. S. Ramaswami Ayyar, Avergal	 1
14.	The Hon'ble Khan Bahadur A. K. J. Ahmed Tambi	
	Marakayar	 1

15.	The Hon'ble The Prince of Arc	ot	 1
16.	Diwan Bahadur T. M. Rangacha	ariar	 1
17.	Mrs. Todhunter		 1
18.	Khan Bahadur Amir Asad Ali .		 1
19.	Mr. Jaffar Muhammad Sait		 2
20.	Rao Sahib C. Kannan Chetti		 2
21.	" C. Ramanujam Chett	i	 2
22.	Mr. Muhammad Abdul Huk		 1
23.	Rao Bahadur G. Narayanaswam	ny Chetti Garu	 1
			26

8. I desire to point out in this connection that for Rs. 72 a patient can be housed and fed for one year; whilst from an invested capital of Rs. 2,100 a bed can be maintained in perpetuity.

9. The question of an efficient water-supply and drainage scheme for the hospital has been solved by the generous donation of Mr. G. Venkatapathy Naidu Garu whose contribution of Rs. 10,000 towards the sanitary installation together with the grant of Rs. 10,463 from the Madras Government for this purpose have enabled the Committee to put this much needed work in hand.

10. I enclose herewith two tabular statements regarding the cases treated in the hospital during the year under review.

I have the honour to be,

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Sir, Your most obedient servant,

G. A. NATESAN,

Honorary Secretary to the Governors of the Victoria Caste and Gosha Hospital. Statement showing the diseases treated in the undermentioned Hospitals and Dispensaries during the year 1916-17.

		ATTENDIX		
	Total.	6,836 6,836 110 2,042 168 168 19,286 10,596 10,596 1,989 10,596 1,989 1,989 1,639 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5300 1,5000 1,5000 1,5000 1,5000 1,5000 1,5000 1,5000 1,5000 1,5000 1,50000 1,50000 1,50000000000	5,707 328 328 607 160 29,376	7,915 6,215 17,561 1,736 1,736 1,736 1,736 1,275 5,812 5,858
	Infectious disease Hospital Royapuram.	² ::::::::::::::::::::::::::::::::::::		11111 111
	Isolation JatiqsoH	1122 4	11119	
	Kalyani. Hatiqeo H	350 356 1150 1150 1150 1150 1150 1150 1150	221 10 41 32 247	192 260 331 123 60 60 639 806
	Rayapettah JariqeoH	1,806 1,038 1648 1648 1648 2,762 5,762 5,508 5,508 1,051 1,051 1,051 29	2,294 65 8 6,469	1,735 816 2,168 2,168 1460 1460 2,053 1,414
	Venkataramana Dispensary.	\$23 \$23 \$59 \$156 \$156 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25	400 130 107 5,125	1,825 1,151 1,082 1,082 667 1,916 856 856
Dispensaries.	Sri Kanyaka Раганевтан Devastanam Ayurvedic Dispensary.	758 161 161 161 201 79 26	601 41 7,406	766 447 3,443 76 76 76 76
	Raja Sir Ramaswamy Maternity Maternity	1 11 232 1 232 31 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	45 11 3 12 21	17 27 204 15 62
Hospitals and	Victoria Hospital for Caste and Gosha Women.	162 162 162 165 16 165 648 87 87 87 87 87 87 87 87 87	065 4 4 35 35 331	188 160 150 632 632 85 85 850 850 850 850 850 820
	San Thome Dispensary.	390 390 14 316 316 354 354 100	166 6 83	277 348 810 810 25 1,050 324 413
	St. Thomas ⁴ Convent Dispensary.	429 424 37 37 37 36 600 560 560 1112 268 268 268	890 44 628 628	109 378 442 442 148 148 370 472 666
No. No.	Chintadripet Dispensary.	732 732 104 104 2,075 2,558 1,132 151 74	145 32 2,703	643 2,739 40 4,829 4,829 437 1,069
	Baliah Naidu Dispersary.	1,252 234 234 1,947 1,947 1,949 1,009 1,009 1,009 1,009	243 37 14 1 5,105	1,236 656 3,823 408 25 6,628
	Uashermanpet Dispensary.	363 363 3,269 133 744 744 744 744 744 744 744 744 744 7	37 1,248	937 436 2,089 40 29 1,488 1,488 1,70 354
-			111111	1.1 d'H
Names of Discases.		Dolers	Antenia	Diseases of the nervous system Diseases of the eye Diseases of the ear Diseases of the car Diseases of the circulatory system All Diseases of the respiratory system except Fuermonia and Tubercle of more the lungs Distributa
	Nan	Cholers Dysentery Enteric ferer Gouorrheea Kala-Azar Leprosy Malaria Plague Preside of uncertain (Rheumatic ferer and Syphilis (primary and Tubercle of the langs Other Taherenhar Dise All other infective dis	Anzemia Diabetee Scurvy New growth All other ge	Discases of the nerv Discases of the eye Discases of the noso Discases of the noso Discases of the noso Discases of the r accept Freemonia Discretes Discretes
		INTECTIVE DISEASES.	PAL DISEASES.	Distassa.

APPENDIX IV.

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10	1,481		283	156	2,389 1,738	261	:	22	;	:	25,598	98	r the Cal
111	2,064		177	158	2,949	333	i	:	i	:	31,717	1	pital are fo
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8	2,438	78 i	13 32 57	114 54 289	886	392	:	162	i	:	10,841	644	of Victoria
	236	195	152	246 198 58	821 654 875	216	:	:	:	1	9,315	Ι.	y Secretary
12	9,215	188	38 38	360 44 609	1,442	2,443	I	1	14	1	35,475	1,500	ie Honorary
111	11,414	142	575	487 114 1,481	2,134	2,785		214	09	1	47,065	126,1	nished by th
	3,346	8.43	988	46 107 1,098	2,550 2,538 7	1,318	i	:	301	1	23,007	543	tistics furn
er the liver									Note The Statistics furnished by the Honorary Secretary of Victoria Caste and Gosha Hospital are for the Calendar year 1916.				
Abbecess of the liver	system	Iymph glands	Brights disease All diseases of the urinary system Hydrocele	Ottor diseases of the generative system	Ulcers Other diseases of the skin All other local diseases	Injuries (General and Local)	By Opium	Possons (By Other poisons	Talane SNormal	Abnormal		Operations	No
OINSTRUC	s						TNY T	LOCA	GEN				

171

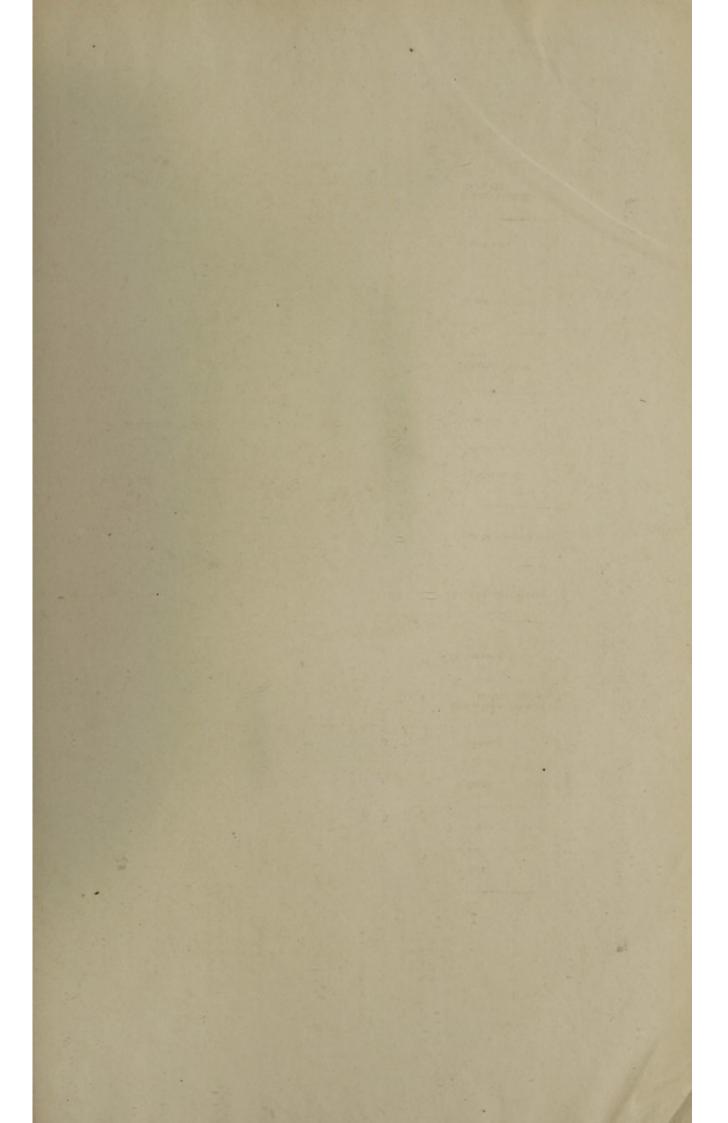
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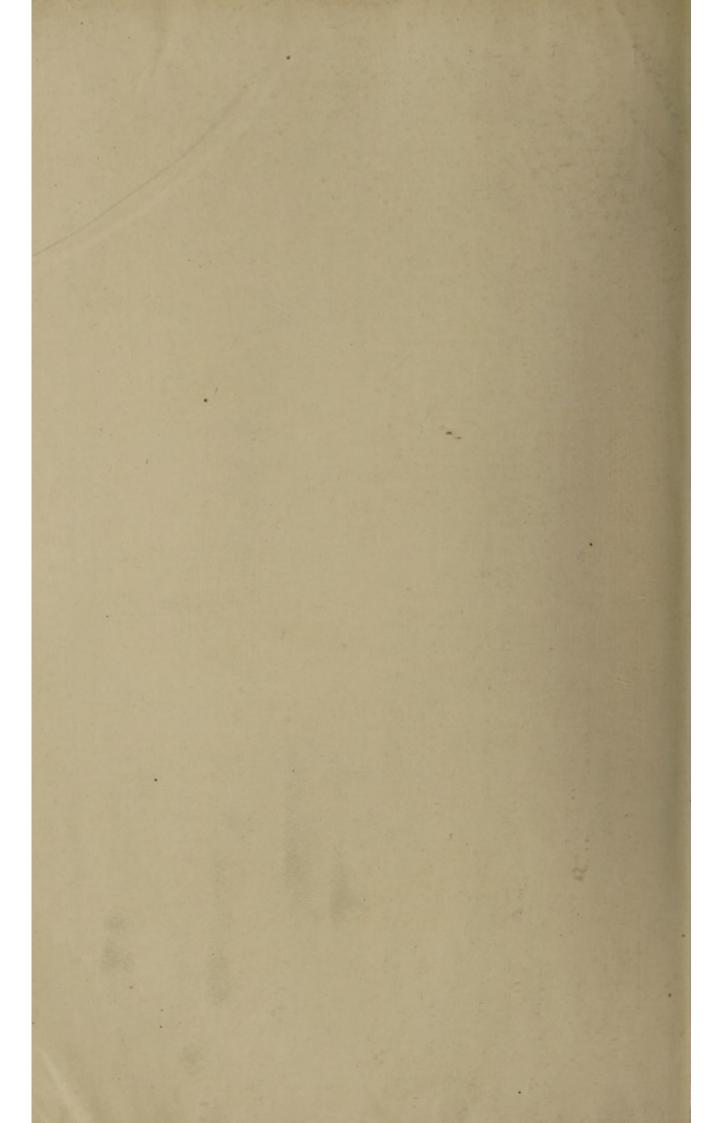
Statement showing the attendance of patients treated, the income and the expenditure of the undermentioned Hospitals and Dispensaries, during the year 1916-17.

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594 594 1886 1886 1886 1888 1888
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APPENDIX IV.







ADMINISTRATION REPORT

OF THE

CORPORATION OF MADRAS

FOR

1916-17.

Madras: PRINTED BY THOMPSON & CO., 33, POPHAM'S BROADWAY.

1917.