

Report of the Health Officer, Corporation of Madras Health Department.

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ADMINISTRATION REPORT

OF THE

CORPORATION OF MADRAS

FOR

1914-1915.



Madras:

PRINTED BY THOMPSON & CO.,

33, POPHAM'S BROADWAY.

1915.

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REPORT OF THE



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ADMINISTRATION REPORT

CORPORATION OF MADRAS

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PREFACE.

The President of the Madras Corporation is also its Chief Executive Officer ; his nominal activities are multifarious, and comprise a certain superintendence of, or responsibility for, all work done on the Corporation's initiative and at its cost. The major portion of such work may be classified under the heads of *a* Finance, (*b*) Engineering, (*c*) Medicine ; and it is obviously impossible that any one person should possess the technical knowledge requisite to write a coherent report of what has been done under these heads in twelve months of the life of a large City. Partial recognition of this impossibility has secured for us in the Health Department a real report written by an officer conversant with the details of his business. The difference between the reports of Captain Russell or Dr. Macdonald and the official "Report of the President" is obvious : the former collate and draw inferences from facts ; the latter, compiled by many hands is merely, a bald and, I fear, somewhat uninforming paraphrase of statistical tables. In what follows I wish to record the impressions gathered during some twelve months' experience of the working of the Municipality. For this attempt I have been somewhat peculiarly fortunate, the just fates recompensing my failure to keep the town clean with the enforced leisure of typhoid, and ample opportunity for meditation on my own shortcomings.

2. To my mind before the Corporation can advance it must set its machinery in order. Its zeal for the good of the citizen may be taken for granted ; its projects of drainage, water-supply, infectious diseases hospitals, education, are high sounding and beneficent. But when promise is contrasted with performance, I fear that to the disinterested observer Madras somewhat resembles one that walketh in silk attire and lacketh bread.

3. The first need of the Corporation is a financial programme thought out sufficiently in advance. At present a budget is prepared by the executive and submitted to a special meeting of the Commissioners. A wandering and arid debate usually results in such budget being passed as it stands. That criticism is frequently sterile cannot be imputed as a fault to the Commissioners ; in a public meeting it is practically impossible to pull a complicated balance sheet to pieces, and to get the figures together again in such a manner that incomings balance outgoings.

4. It is most desirable that the Corporation as a body should exercise a check upon the financial vagaries of the executive. But the present method of control is to my mind entirely faulty ; attempting to do too much the Commissioners as a body end by doing nothing.

5. At present all transactions (save those concerned with repair of roads) involving any considerable expenditure of money come before the General Body at its monthly meetings. Control thus exercised is illusory ; at a meeting which

starts at a late hour in the afternoon, when most of the members have a sufficient day's work behind them, and when matters of general policy are awaiting discussion, it is impossible to examine with any care a mass of figures, and—a most important point—to ascertain clearly how each new commitment affects the general financial position of the Corporation. The result is that the budget and the actual finance of the City are frequently as wide apart as the poles; too many alterations are made from day to day, too many schemes entertained without serious hope of ever bringing them to fruition.

6. For this, I venture to think, the remedy needed is a certain measure of devolution. Financial business, it is true, passes through the Standing Committee to the Corporation; but the Standing Committee, though it meets more often than the general body, works on the same faulty system. It endeavours to consider everything. If thirty-six men cannot successfully employ a bad method, there is no reason to suppose that eight men can.

7. Moreover there is, as things are, a certain element of unfairness in the relation of the Standing Committee to the Corporation. A member of the Standing Committee, if he has a great deal more work to do, undoubtedly enjoys a greater prestige than a member of the general body. With one Standing Committee this must inevitably be so; but there is no just reason why every member of the Corporation should not play a part more responsible than that of a critic in civic administration.

8. This is the theory of several committees as opposed to one. The financial committee which I have in mind would ascertain the views of individual members, and, concentrating itself solely on finance, would embody these views in a programme worked out at some leisure. In financial *policy* the general body would retain control, but the administration of this policy it would leave in the hands of the committee constituted solely for this purpose.

9. Before men can exercise their minds about finance, education or politics, they must live, and statistics prove that the Madras citizen too often fails to live. In other words the City, or its inhabitants, or both are unhealthy. For this a good many causes can be assigned, some, I fear, practically irremediable, some remediable partially if not entirely so. Chief among the former causes undoubtedly is the City's extreme flatness, which renders efficient drainage difficult. Poverty is theoretically remediable, but for a very long time it will constitute a formidable obstacle to sanitary reform. A large proportion of the population houses itself abominably for the simple reason that it cannot afford to house itself better. A man's roof should be sound, his floor impervious, his room ventilated and of a certain spaciousness. But when food and the scantiest measure of clothing have been provided, there remains but little out of Rs. 15—20 per month towards securing these accommodations.

10. Cleanliness, however, promotes health, and Madras undoubtedly might be a good deal cleaner than it is. This is not a discovery; for 30 years and upwards there has been hot recrimination about the failure of "the executive" to do its duty and "sweepe ye towne cleane and wholesome."

11. What were the conditions of thirty years ago I cannot say, but the blame for Madras' present unsavouriness may, I think, be apportioned fairly equally between "Executive" and "people."

12. At the bottom of the executive scale come the sweepers and scavengers. The prejudice of India has assigned to these worthy men a social position rather beneath that of a dog; and when a man has been treated consistently as a dog, it is hardly surprising if at times he exhibits certain doggish characteristics. The sweeper I have found in his lighter moments a companionable soul, but of responsibility or interest in his vocation he has no idea. For a meagre wage he will sweep fairly well so long as he is watched, but no emolument will induce him to sweep if left to himself. He has little or no instinct for cleanliness; probably it does not strike him that, apart from the capricious whim of his paymaster, there is any real reason for removing dirt from a street.

13. Above the sweepers come the overseers, a class faultily chosen and therefore unsatisfactory. For some unexplained reason it has been considered necessary that these men should have a training in "Hygiene and Sanitation."

The result is that the majority of our Conservancy Overseers are certificated Sanitary Inspectors, drawn from the class which in Europe finds occupation in "clerking." No one in Europe would choose a sewer foreman from the disappointed candidates for a bank clerk's post, yet practically we do it here.

14. At the head of all is the Health Officer. He is a doctor, selected for his qualifications to advise the Municipality on matters of epidemic diseases, standards of purity in food and drugs, vital statistics and such like scientific things. He is expected, as a side-line, to control eleven hundred turbulent street sweepers, much as a head-ganger at home controls a force of navvies. The expectation is not always realised.

15. On the side of "the people" the fault lies in failure to perceive the necessity for co-operation. A man cannot keep well simply by paying fees to a doctor if he disregards all ordinary rules of health; if half a million people heedlessly render the streets unnecessarily dirty eleven hundred scavengers, though paid, cannot possibly keep those streets clean.

16. Granted that conservancy labour is insufficient and somewhat unreliable, that supervision has been faulty, that the people fail to co-operate, it remains to consider what has been done and what may be done.

17. The facts relating to conservancy have been gathered together by the City Engineer and suggestions for a fairly complete remodelling of the whole system have been put forward. It is not proposed to rush into wholesale reform, but experiments are being tried along the lines indicated by Mr. Coats. Thus conservancy now has a full time Superintendent, the senior Assistant Health Officer having been relieved of all duties save that of supervising the sweepers. A great deal of time hitherto unprofitably spent by the rubbish carts in travelling to and from incinerators and other disposal grounds has been saved by unloading these carts in the town into two large motor lorries. These lorries run off in

twenty minutes from the centre of the town loads which formerly cost a dozen carts some hours' unserviceable journeying; the carts meanwhile gathering up fresh loads from the streets.

18. Carriage by boat of night-soil from the Penitentiary to Korukupet has ceased. Whether the night-soil was dug in at Korukupet, or, as is more probable, dumped into the Cooum or Buckingham Canal, the results were uniformly bad. Trenching grounds in a City, perhaps anywhere, are an abomination. This night-soil is now brought by motor to a pail depot where it is properly treated and disposed of. A similar reform has been effected in what may be called the bungalow area of the town.

19. The sweepers will in all probability require more pay; and sooner or later, and the sooner the better, the Corporation must face the necessity for a large construction of sweepers' lines. Conservancy overseers, as vacancies occur, should be chosen not because of their supposed educational qualifications, but for their willingness and power to supervise intractable labour in doing very unpleasant work. It is doubtful if the apparently obvious method of selecting "gangers" from the sweeper class would yet be practicable; these people have so little sense of responsibility that one questions whether it would occur to a sweeper overseer that he should keep his gang at work unless watched by some one out of his own class.

20. On the side of "the people" a good deal has been done, but more remains to do. The complacent permission or instruction to children to defæcate in the streets and side drains must cease. Every house in the City is required to have latrine accommodation, and that accommodation should be utilised. Household rubbish should be collected by house owners, and thrown into rubbish carts, not into the streets. On this subject there has been a vast amount of acrimonious and extremely futile discussion. When conservancy labour is scarce and inefficient, the only hope for the citizen lies in co-operation. If the building rules are at all followed there is open space in every house, outside the living rooms, for a bin to contain the rubbish of a few hours' accumulation; it is as easy to empty this rubbish into a cart as into the street. There is no doubt that popular co-operation in these directions has considerably increased in the last few months.

21. The syphons that connect house drains to sewers are a fairly constant source of worry. Part of the trouble is due to the slackness of the syphon-cleaners, part to a passion for scientific experiment which leads the Madras child to stuff stones, pieces of soda water bottles, clothes, wooden balls, &c., down his parents' syphon just to see what will happen. What does generally happen is a foul smelling inundation of the house, and a natural anger of the householder against the drainage department.

22. One considerable Municipal undertaking, the new waterworks, emerged from promise to performance during the year. The benefits of an adequate water-supply in an eastern city are so obvious that it is needless to descant thereon; but much remains to be done before the full benefit of the scheme can be secured.

23. With the opening of the waterworks consumption rose suddenly from some ten million gallons per diem to nearly double that amount. That this consumption includes a considerable amount of waste is generally admitted. Such wastage must be due in part to leakage in old underground pipes which failed to stand increased pressure, but it is also caused in a great measure by defective fittings in almost every house where water is laid on. In his own interest, it is the duty of every householder to have his taps rendered water-tight; the more water is saved from useless waste, the more there will be when it is really needed. And public feeling should be awakened against wanton waste: to quote one example of such waste, in a single flush-out latrine in the north of the City it was found that nine taps had been wrenched off the pipes, and water had been pouring unchecked from these pipes for at least a whole night.

24. Of special importance to the health of the City is the attempt to stamp out malaria. Malaria as is now generally agreed, is disseminated by mosquitoes; and for these mosquitoes the tanks with which Madras is honey combed afford ideal breeding grounds. Though all tanks cannot be abolished, there are a great many which serve no useful purpose, and which, in the general interest of the City, should not be allowed a continued existence. The filling of tanks costs money; the Corporation cannot possibly pay for all the work that is done, and it is only natural that the private citizen should be reluctant when called on to execute a sanitary improvement which may cost him anything from three hundred to three thousand rupees. The first efforts of the Corporation were met by a blank wall of opposition; it is encouraging to note that a very considerable breach has been made in this wall. The Corporation and the public are advancing towards each other; tank owners are beginning to recognise that it is for their own and for the general good that useless ponds and pits should disappear; they expect, and with justice, some Municipal aid but the old attitude of refusal to incur any private expense is largely a thing of the past. In particular Mylapore, the favourite quarter of the educated Indian, is showing a gratifying enthusiasm for anti-malarial work and an increased willingness to contribute to its cost. The tact and persistence of Dr. Raghavendra Rao have contributed largely to this happy result.

25. The chimerical idea of filling up the water-logged area of Purasawalkum has been abandoned. The problem is being attacked from another side, and an Engineer specially appointed for the purpose is investigating the possibility of draining off the huge swamps in this area.

26. Better housing is naturally an important factor in the improvement of civic health. If housing is to improve the town must expand, and an essential of expansion is cheap communications. A hopeful augury for this expansion is the improvement that is becoming perceptible in the relations between the Corporation and the Madras Tramway Company. Conferences have done a good deal to soften acerbity, and the two bodies are beginning to see that their interests are identical rather than necessarily opposed. A programme of tramway extension has been drawn up and certain improvements in principle in existing tracks are being carried out. These improvements in the main consist in recognition of the facts that double tracking is essential to efficient working, and that

for the safety of the public and the general good of the roads tram tracks should be in the middle of the road, not tucked in against the citizens' door-step. Actual progress in improvement is slow, and is likely to be slow for sometime, war rendering it difficult or impossible for the Tramway Company to obtain steel rails, wheels, copper, etc., in fact all the materials most required for extension.

27. In all its undertakings the Corporation, to my mind, is seriously hampered by the fact that it is more or less hemmed in by a contractors' ring. No matter what may be the work on hand, be it laying of large water mains, lighting the City lamps, supplying food to the conservancy bullocks, the same tenderers appear with monotonous regularity. A considerable measure of slackness and inefficiency is the inevitable result. It is idle to threaten *A* with completion of his undone work at his expense by *B*; *A* is probably at the moment engaged in doing something that *B* has left undone. As to the causes that have led to the formation of this ring, conjecture varies; it may be that the Corporation habitually pays too little for its work, it may be that any attempt at outside competition is promptly stifled by combination on the part of the old contractors. In the interests of efficient work, it is most desirable that new blood should be introduced; the most obvious way to do this is for a time to invite quotations from selected persons. Calling for tenders in the open market is theoretically excellent, but in present practice at any rate a delusion or a sham. For the Corporation the market is not open.

28. It only remains for me to express my appreciation of the cordial relations that have subsisted during the year between the Commissioners and myself. Breezes we have had at times, but such do us both a deal of good. Perpetual calm is merely another name for stagnation and lack of interest.

CORPORATION OF MADRAS,

12th August, 1915.

J. CHARTRES MOLONY,

President.

CORPORATION OF MADRAS.

Report of the President from 1st April 1914 to 31st March 1915.

Changes in the Constitution of the Corporation.

1. *Elections.*—As required by section 46 of the Madras City Municipality 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 501 persons were registered as eligible for election as Municipal Commissioners and 12,648 as eligible to vote against 512 and 11,201, respectively, in the previous year. The percentage of persons qualified for election as Commissioners to the total literate in (English) adult male population of the City was 1.392 and that of persons qualified to vote to the total adult male population of the City—both literate and illiterate—was 8.059.

2. Three elective seats fell vacant during the year, owing to the expiry of the term of M.R.Rys. P. Parthasaradhi Nayudu Garu, T. Rangachariar Avargal and V. C. Seshachariar Avargal, Commissioners for the 10th, 13th and 20th Divisions, respectively. The elections for the 10th and 20th Divisions were contested and M.R.Rys. P. Parthasaradhi Nayudu Garu and K. N. Ayya Ayyar Avargal were elected. The number of persons who voted at these elections was 519 or 76.10 per cent. of the total number of registered voters. In the 13th Division, where the election was uncontested, the nominated candidate M. R. Ry. T. Rangachariar Avargal was held to have been duly elected under the proviso to section 39 of the Act.

3. *Representatives of the Chamber of Commerce.*—Mr. A. J. Leech and Mr. J. W. Crusha, who were appointed on 7th April 1914 and 3rd February 1914, respectively, continued to hold office during the year. The term of office of Mr. C. H. Straker having expired on 9th May 1914, Mr. A. J. Powell was appointed in his place on 9th June 1914.

4. *Representatives of the Trades Association.*—The Hon'ble Mr. R. M. Savege who was appointed on 6th January 1914, died on 30th June 1914 and Mr. C. J. Higgs was appointed instead on 18th August 1914. Mr. C. H. Higginbotham, who was appointed on 30th May 1911, resigned his seat on 17th April 1914, and Mr. G. U. Cuddon was appointed as his successor on 19th May 1914. Mr. A. C. Berryman, appointed on 29th August 1911, ceased to be a Commissioner on 29th August 1914, and Mr. D. Morrison was appointed in his place on 15th September 1914.

5. *Representatives of the Harbour Trust Board.*—The term of office of Khan Bahadur Muhammad Abdul Kuddus Badsha Sahib Bahadur, who was appointed on 23rd January 1912, expired on 23rd January 1915, but he was reappointed on 2nd March 1915.

6. *Representatives of the Madras and Southern Mahratta Railway Company.*—Mr. A. R. Stuart, who was appointed on 17th February 1914, resigned his seat on 15th September 1914 and Mr. L. H. Kirkness was appointed in his stead on 29th September 1914. The latter resigned his seat on 26th November 1914, and Mr. J. F. Fawcett was appointed successor on 15th December 1914.

7. *Nominations by Government.*—The Hon'ble Dr. T. M. Nair, M.D., Mr. E. R. Osborne, Lieutenant-Colonel C. Donovan, Major R. Bryson and Yaqub Hasan Sahib Bahadur continued to hold office during the year. The term of Mr. James Short expired on 25th April 1914, and the Hon'ble Mr. J. O. Robinson was appointed instead on 5th May 1914. The latter resigned his seat on 18th February 1915, and Mr. G. Fraser was appointed in his place on 20th April 1915. M.R.Ry. Rao Bahadur A. C. Pranartihara Aiyar Avargal, I.S.O., who was appointed on 18th March 1913, resigned his seat on 3rd August 1914, and Khaja Khan Sahib Bahadur was appointed instead on 25th August 1914. The latter resigned his seat on 1st March 1915, and Mr. H. A. Hart was appointed to succeed him on 23rd March 1915. The term of Mr. C. B. Cunningham expired on 16th January 1915, and M.R.Ry. Dewan Bahadur M. Audinarayana Ayya Garu was appointed instead on 20th January 1915.

Reinstatement.

8. Under section 54 of the Madras City Municipality Act, 1904, the following Commissioners lost their seats on the Corporation by failing to attend either three consecutive general meetings or six successive meetings. But they were reinstated under the proviso to section 55 of the Act.

| Name. | Date of loss of seat. | Date of reinstatement. |
|---|-------------------------|------------------------|
| M.R.Ry. P. M. Appaswami Pillai Avargal. | 15th September 1914 ... | 23rd October 1914. |
| Do. do. ... | 19th January 1915 ... | 16th February 1915. |
| Major F. Clarence Smith, F.R.C.S., M.B. | 14th July 1914 ... | 18th August 1914. |
| Mr. G. U. Cuddon ... | 23rd October 1914 ... | 17th November 1914. |
| The Hon'ble Dr. T. M. Nair ... | 19th January 1915 ... | 16th February 1915. |

Executive Officers.

9. Mr. P. L. Moore, C.I.E., I.C.S., held the office of President until the afternoon of 23rd July 1914, when he handed over charge to me, having been appointed Inspector-General of Police. I continued to be President for the rest of the year, except from 19th October 1914 to 22nd December 1914, when I was absent on furlough, and Mr. E. S. Lloyd, I.C.S., acted for me from 30th October 1914 to 22nd December 1914. Captain A. J. H. Russell, I.M.S., acted as Health Officer until the afternoon of 30th June 1914, when Dr. W. R. Macdonald, the

permanent Health Officer, who was on combined leave from 13th December 1913, returned to duty. M.R.Ry. Rao Bahadur T. Vijayaraghavacharya Avargal, M.A., continued to be the Revenue Officer, and Mr. J. R. Coats continued to be the Engineer during the year. Mr. J. W. Madeley continued to be the Special Engineer for the design and execution of the Special Water and Drainage Works. Captain E. C. Hodgson, I.M.S., continued to be the Special Malaria Officer until the afternoon of 19th September 1914, when he left the Corporation having been ordered on military service. Captain A. J. H. Russell, I.M.S., succeeded him as Special Malaria Officer on 10th October 1914, but he was transferred to the General Hospital on 31st December 1914, and M.R.Ry. K. Raghavendra Rao Garu, B.A., M.B. C.M., was appointed as Special Malaria Officer from 1st January 1915.

Meetings.

10. During the year the Corporation held 23 meetings of which 12 were general meetings, five adjourned general meetings, five special meetings, and one adjourned special meeting. The average number of Commissioners, including the President, present at each meeting, was 26 as in the previous year. The percentage of attendance to the sanctioned strength was 71.9 among Divisional Commissioners, 63.0 among Institutional Commissioners, and 64.7 among nominated Commissioners as against 72.6, 65.7 and 66.2, respectively, in the previous year.

11. The Standing Committee met 31 times.

Committees and Sub-Committees.

12. (1) The Committee appointed by the Corporation on 21st August 1912, 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 the 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, have communicated the remarks of the Municipal Commissioner and Engineer of the Bombay Corporation, on the working of similar rules in that City, and have asked the Corporation of Madras to reconsider the whole matter in the light of the experience of Bombay. (Government Memorandum No. 3347-1 M., dated 9th July 1915.)

(2) The judgment of the High Court in the appeal in Major Meagher's case was favourable to Major Meagher; and he claimed compensation from the Corporation for having been deprived of the lease of the sewage farm before the expiry of the five years' term. A Committee consisting of the President, M.R.Ry. C. P. Ramaswami Ayyar Avargal, M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu, the Hon'ble Mr. J. O. Robinson, Mr. J. W. Crusha, M.R.Ry G. A. Natesan Avargal, and M.R.Ry T. Rangachariar Avargal, was appointed by the Corporation on 25th November 1914, to consider and report on Major Meagher's claims. The Committee recommended

- (i) that a compensation of Rs. 60,000 be paid to Major Meagher ;
- (ii) that his security deposit of Rs. 3,000 be returned ; and

- (iii) that the Corporation's claim against him for Rs. 6,969 be dropped.

These recommendations were approved by the Corporation on 15th December 1914, and the sum of Rs. 63,000 was paid to Major Meagher on 21st December 1914.

(3) A Committee consisting of the President, Mr. J. O. Robinson and M.R.Rys. Rao Bahadur P. Tyagaraya Chetti Garu, K. N. Ayya Ayyar Avargal and P. M. Sivangnana 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 Tiruvottiyur.
- iii. Extension of the Mylapore line to the Adyar Tollgate.
- iv. Extension along Poonamallee Road.
- v. Extension towards Perambur.

The report was adopted by the Corporation and forwarded to Government.

(4) A Committee consisting of the President, M. R. Ry. P. M. Sivangnana Mudaliyar Avargal and M. R. Ry. K. N. Ayya Ayyar Avargal was appointed by the Corporation on 15th December 1914, to meet a Conference consisting of Mr. James Gray, the Managing Director of the Madras Electric Tramways, Ltd., and officers appointed by Government, and 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 footpaths 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 orders of Government are awaited.

(5) A Committee consisting of the President, the Hon'ble Mr. J. O. Robinson, and M. R. Ry. C. P. Ramaswami Ayyar Avargal (with the Engineer to assist the Committee) was appointed by the Corporation on 19th January 1915, to confer with the representatives of the Madras Electric Supply Corporation in view

to arriving at a settlement in regard to the dispute regarding the incidence of the cost of laying distributing mains in streets for electric lighting. An agreement was arrived at between the Committee and the Managing Director of the Electric Supply Corporation, Mr. James Gray. The terms of this agreement were subsequently ratified by the Corporation and the Electric Supply Corporation. The Government have also accorded their approval in G. O. No. 983-M., dated 3rd July 1915, and an agreement embodying these terms has been received from the Electric Supply Corporation and is being scrutinized.

(6) A Committee consisting of the President, M.R.Rys. C. P. Ramaswami Ayyar Avargal, T. Rangachariar Avargal, S. Guruswami Chetti Garu, Rao Bahadur P. Tyagaraya Chetti Garu, G. A. Natesan Avargal, and K. N. Ayya Ayyar Avargal, Mr. J. W. Crusha and Mr. E. R. Osborne was appointed by the Corporation on 19th January 1915 to investigate the allegations of corruption in connection with the contract for the construction of the Ripon Buildings and submit a report. The report of the Committee was adopted by the Corporation on 27th April 1915, and submitted to Government by whom it has been recorded.

(7) His Excellency the Governor of Madras offered to provide prizes for a competition for the best design for the construction of model dwelling houses for the poor. A Committee consisting of the President, the Hon'ble Dr. T. M. Nair, and M.R.Ry. Rao Bahadur P. Tyagaraya Chetti Garu was appointed by the Corporation to frame conditions for this competition. These have been framed and are under consideration.

(8) A Sub-Committee consisting of the President, Mr. J. W. Crusha and M.R.Ry. G. A. Natesan Avargal was appointed by the Standing Committee on 20th November 1914, to consider and report on the proposals of the Engineer regarding the rent to be charged for fixing meters to house connections and the fees to be charged for testing meters, and for making house connections, &c., in accordance with the new Waterworks Regulations. The Sub-Committee's recommendations were approved by the Standing Committee on 19th March 1915, and by the Corporation on 20th April 1915.

(9) A Sub-Committee consisting of the President, Mr. C. J. Higgs and M.R.Ry. K. N. Ayya Ayyar Avargal was appointed by the Standing Committee on 12th March 1915, to consider and report the powers which should be delegated to the Special Engineer and his Assistants. The Sub-Committee recommended the delegation of some powers to the Special Engineer, but reported that it was unnecessary to grant any special powers to his Assistants. The recommendations of the Sub-Committee were approved by the Standing Committee on 14th May 1915, and by the Corporation on 22nd June 1915; and the Government have been addressed on the subject. An amendment of the Act would be necessary for the grant of some of the proposed powers to the Special Engineer.

Tramways.

13. The stage which the correspondence regarding the removal of the line in Chintadripet has reached, is mentioned in paragraph 12 (4). The land required for the improvement of the corner of Choolai Bazaar Road is under acquisition. When this has been acquired, double track will be laid in Choolai Bazaar Road.

The Committee appointed in G. O. No. 684-M., dated 31st March 1914, to report what improvement should be made to render tram cars suitable and safe, recommended a device for closing the off-side of open-sided cars. The Government ordered that six cars be fitted up with this device and tried before other cars are similarly fitted. The Committee reported on 6th February 1915, that the device proved fairly efficacious and was likely to become more so after being more generally adopted and better known by the public; and the Government have since the close of the year ordered that six other open-sided cars should be fitted with a new device suggested by the Commissioner of Police for closing the off-side of cars and tried for two months from 1st August 1915.

Resolutions of the Corporation.

14. The following are among the more important resolutions passed by the Corporation during the year :—

(1) *Resolution of 21st April 1914* :—The Corporation passed the following resolution :—

“That the Corporation considers it is desirable that the Budget Statement of figures placed before it for approval and sanction should be accompanied by a memorandum or explanatory statement calling attention to the material portions of the Budget Statement, to the important changes proposed for the year, under the various heads, and to the schemes that are contemplated for the year and giving such other information as is necessary or desirable to enable the Commissioners to follow the figures presented.”

(2) *Resolution of 29th May 1914* :—In Government Memorandum No. 1099-2, Public, dated 5th March 1914, the Government enquired whether the Corporation foresaw any practical difficulties in giving effect to a proposal which the Government had under consideration, *viz.*, that the Surgeon, 4th District, be relieved of the charge of the Royapettah Hospital; that Government subordinates now employed there should be withdrawn; that the Corporation should make its own arrangements to staff the Hospital; and that the Government should contribute to the Corporation an amount equivalent to the salary of the Medical Officer appointed to hold charge of the Hospital and the salaries of the medical subordinates now paid from Provincial funds. The Corporation resolved that the proposal be accepted. The Government were informed accordingly, but no orders have yet been passed on the subject.

(3) *Resolution of 29th May 1914* :—With reference to Government Memorandum No. 6-1 M., dated 24th January 1914, referred to in paragraph 14 (8) of the previous year's report, the Corporation passed a resolution the the system of compulsory notification of tuberculosis should be introduced and the medical practitioners who notify the decease paid a fee of one rupee for each verified case, but that the introduction of the system should not take place until after the provision of a tuberculosis dispensary and a sanatorium. This was communicated to Government and their orders are awaited.

(4) *Resolution of 29th May 1914* :—The Corporation resolved that the cost of alterations of house drains and of the connection of the house drains to the silt catcher or trap, involved in the carrying out of the City Drainage scheme should

be part of the expenses of the Drainage Works. But the Government pending the amendment of the Act, have sanctioned the adoption of this course only in Tondiarpet, Georgetown, Ice House Road and Napier Park areas, and in places where it is found necessary to relay collapsed sewers.

(5) *Resolution of 29th May 1914*.—The Corporation resolved that Indian Engineering students who may undergo practical training in the Corporation may be taken as junior assistants in the Special Works Department on a pay of Rs. 150—10—200 per mensem, if after a year's training they are found useful and satisfactory and that the total number of such students who may be taken as junior assistants be limited to three. Two Indian students have accordingly been appointed Junior Assistant Engineers in the Special Works Department.

(6) *Resolution of 20th July 1914*.—The Corporation considered, at the instance of Government, what their financial condition would be at the end of the next ten years and passed a resolution—

- (1) that the tax on motor vehicles be revised so as to bring in an estimated increase of about Rs. 10,000,
- (2) that the profession tax be revised, so as to bring in an estimated additional income of Rs. 50,000,
- (3) that a terminal tax be levied,
- (4) that provision be made in the Act for taxing the Port Trust, and
- (5) that the period of repayment of loans be increased at once to 60 years.

The resolution was communicated to Government.

(7) *Resolution of 18th August 1914*.—The Corporation approved of the proposals of the Health Officer that ten midwives be trained in the Government Maternity Hospital, that a stipend of Rs. 10 + 1 (teaching fee) per mensem be paid to each woman during training, that before being sent for training each woman should enter into an agreement with the Corporation to work in the city for a period of five years, and that a small subsidy be allowed to each midwife after training for a period of from six months to one year to enable her to work up a practice. The Superintendent, Government Maternity Hospital, who was addressed on the subject, was willing to select and train capable women, but was unable to provide accommodation for them. The Government were then asked whether they would be pleased to construct quarters for them, but they replied that the Corporation should arrange for the training of the midwives at Raja Sir Ramaswami Mudaliyar Lying-in-Hospital. An estimate was accordingly sanctioned by the Corporation on 19th January 1915 for the construction of additional quarters for nurses in this hospital.

(8) *Resolution of 18th August 1914*.—The Corporation approved the proposals of the Registrar of Co-operative Societies (1) that the new sites in Royapettah to be acquired by the Corporation for the accommodation of the people evicted from Suparigunta Paracherri (estimated to cost Rs. 125 a site) be made over by the Corporation to private individuals who are members of a Building Society at Rs. 50 per site, the total value of the sites being treated as a loan to

the Building Society from the Corporation carrying 4 per cent. interest and to be redeemed by equal payments spread over 10 to 15 years and (2) that the occupants of the houses in Suparigunta Paracherri already acquired by the Corporation be left undisturbed for a period of about six months so that if they choose fresh houses could be built for them by a Building Society in the meanwhile.

The resolution was communicated to the Registrar of Co-operative Societies, but nothing further has been heard from him on the subject.

(9) *Resolution of 25th August 1914.*—The Corporation resolved that bylaw 270 should be amended as follows :—

“ Without the sanction of the President no person shall for the purpose of obtaining earth or sand make any such excavation as causes stagnation of water. An appeal shall lie to the Standing Committee against any refusal of the President to grant such sanction.” The orders of Government are awaited.

(10) *Resolution of 25th August 1914.*—The Corporation refused to recognise as a principle that they were bound to pay any portion of the cost of filling private tanks, &c., but stated that the question whether the whole or a portion of the cost of filling up should be provided by the Corporation might be considered in exceptional cases.

(11) *Resolution of 25th September 1914.*—With a view to improve the conservancy of the city and check the further spread of the cholera epidemic the Corporation passed the following among other resolutions :—

(1) “ that tenders be called for, for the supply of necessary labour for maintaining the full complement of conservancy coolies ; (2) that the work of cleaning the syphons be transferred from the Health Officer to the Engineer ; and (3) that the Health Officer do furnish to the Commissioners a weekly bulletin specifying the particular localities in which cholera cases occur.”

The tender of Messrs. A. Narasier and A. S. Krishnaswami Aiyar for the supply of conservancy coolies for all the four conservancy depots of the North Range was accepted by the Corporation on 15th December 1914 ; and the contract commenced from 1st March 1915. But the system proved a failure and even the existing coolies refused to work under the contractor. The contract was therefore cancelled by the Corporation.

The work of cleaning the syphons was taken over by the Engineer on 1st March 1915 and placed under the charge of the Sewer Foreman.

(12) *Resolutions of 25th September 1914 and 17th November 1914.*—The Corporation resolved that the Engineer be relieved of all office, routine and signing work for three months from 1st January 1915 in order to enable him to formulate proposals for remodelling the working of the conservancy department. The Engineer has, since the close of the year, submitted his report on this subject and copies of it have been circulated to Commissioners.

(13) *Resolution of 19th January 1915.*—The Corporation approved of the rules proposed for the prevention of defalcations such as those which occurred in the Health Department.

(14) *Resolution of 16th February 1915.*—The Corporation resolved that, in future, Corporation money should not be advanced to any officers of the Corporation for the purchase of conveyances.

(15) *Resolution of 23rd March 1915.*—The Corporation approved of the present practice of the officers of the Corporation purchasing petrol from the stores at the reduced price for which it is obtained by the stores from the Asiatic Petroleum Company.

(16) *Resolution of 23rd March 1915.*—The Corporation passed the following resolution :—

“ That in the case of all Corporation contracts no order to commence any kind of work or the supplying of any kind of materials as the case may be, be given unless the contractor has duly executed the necessary agreement or the President has for any special reasons authorised in writing the commencement of the work or supply of materials.”

Revenue Administration.

15 The work of the Revenue Department continued to be satisfactory and there was a further marked increase in the revenues of the Corporation during the year under report. The current revenues under the combined property taxes and the tax on vehicles rose by Rupees. 1,15,265-2-7 of which Rs. 32,138-4-2 represent the amounts realised from Government in respect of their civil buildings which were the subject of appeal for a long time, Rs. 81,015-6-5 from general and cursory revisions under building and land taxes, and Rs. 2,111-8-0 from tax on vehicles with springs. In spite of the dullness of trade consequent on the war, there was only a small decrease of Rs. 1,633-13-1 under tax on arts as compared with the previous year. The fall under tax on animals by Rs. 2,444-12-0 was due to the increase in the number of motor vehicles. Thus, the net total increase in the current revenues under the principal taxes mentioned above, *viz.*, the property taxes, tax on arts, tax on vehicles and animals amounted to Rs. 1,11,186-9-6 against Rs. 56,988-4-2 in 1913-14. There was a marked increase of Rs. 69,011-8-3 in the arrear collections under the combined property taxes which was due to the realisation of Rs. 64,276-8-4 from Government in respect of their civil buildings under appeal for the years 1912-13 and 1913-14.

The appeal on Government military buildings has not yet been disposed of, the amount involved under this head being Rs. 21,498-8-2 for the years 1912-13, 1913-14 and 1914-15.

In the year under report the taxes were collected without resort to warrants except in the last resort as was done in the second half of the last year, the number of warrants issued in the year under report being only 10,588 against 52,263 in 1913-14. The fall in the percentage of current collections to the demand under taxes was due to the unfavourable conditions prevailing in the city consequent on the continuance of the war. With reference to a resolution moved in the Corporation, a sum of Rs. 1,372-6-11 including Rs. 8-4-1 under arrear was remitted under section 117 of the Act, the owners having become too poor to pay the taxes on account of the adverse conditions produced by the war

Finance.*Capital Account.*

16. The year opened with a balance of Rs. 9,19,068-14-9. The receipts for the year amounted to Rs. 11,06,841-12-9, which includes a free grant of Rs. 5,00,000 from Government for the improvement of water-supply and drainage, a loan of Rs. 5,50,000 for the construction of special buildings and for the extension of electric lights in the City, an interest of Rs. 55,030-0-5 on investment of the surplus fund, and recovery of Rs. 1,811-12-4 from advances made in the previous years. The total receipts, including the opening balance, were Rs. 20,25,910-11-6. The total expenditure was Rs. 12,24,061-13-3, and the balance left at the close of the year was Rs. 8,01,848-14-3.

Revenue Account.

17. The year under report opened with a balance of Rs. 8,34,126-3-10 against Rs. 5,95,958-11-5 in the previous year. The Corporation received special grants amounting to Rs. 4,75,000 from Government for anti-malarial operations (Rs. 3,00,000), the acquisition of land for a new sewage farm (Rs. 1,25,000), and the construction of model cow-houses (Rs. 50,000). The revenue from all sources, inclusive of the Government grant, amounted to Rs. 33,11,397-4-10 against Rs. 30,04,824-1-2 in 1913-14. The total receipts for the year including the opening balance were Rs. 41,45,523-8-8 against Rs. 36,00,782-12-7 in the preceding year. The net income of the year, after deducting the opening balance and the Government grant, was Rs. 28,36,397-4-10 against Rs. 27,16,824-1-2 in the previous year, thus showing an increase of Rs. 1,19,573-3-8. Towards the net income of Rs. 28,36,397-4-10 specified above, the Municipal taxes contributed Rs. 20,23,650-1-3 and Municipal fees and Miscellaneous receipts Rs. 8,12,747-3-7 against Rs. 18,41,119-13-6 and Rs. 8,75,704-3-8, respectively, in 1913-14. The total expenditure of the year was Rs. 30,97,047-5-0 against an estimate of Rs. 33,85,730 and against the actuals of Rs. 27,66,656-8-9 in the previous year. The balance remaining at the close of the year was Rs. 10,48,476-3-8.

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

18. The gross current demand under this head of taxation is Rs. 1,67,953-2-11 against Rs. 1,68,827-8-0 in the previous year. After deducting the subsequent remissions and reductions on appeal, the net demand amounted to Rs. 1,67,903-2-11 against Rs. 1,68,827-8-0 for the preceding year or Rs. 924-5-1 less than that of last year. The number of items of assessment are 13,587 against 13,795 of last year. The decrease is due to unfavourable conditions prevailing in trade consequent on the war.

19. *Appendix I, statement IV-C* shows the assessments for the year under report classified under the several classes of the Profession Tax schedule and compares them with those of 1913-14. During the year, 34 objections to the assessments were received as against the same number in the previous year. These

were disposed of at four sittings of the Appeal Board, constituted under section 172 of the Act, with the result that in 26 cases, including two cases relating to arrears of 1913-14, the assessments were confirmed, in six cases the assessments were reduced, and in two cases the assessments were cancelled.

One appeal was preferred to the Presidency Magistrates under section 175 of the Act against the decision of the Appeal Board, but it was withdrawn by the appellant.

One suit for the recovery of Rs. 5 was filed in the Court of Small Causes but it was subsequently withdrawn, as the defendant left the City and his whereabouts could not be traced.

20. The current collections of the year amounted to Rs. 1,66,325-10-11, inclusive of Rs. 10 received in advance for the first half year of 1915-16, against an estimate of Rs. 1,59,400 and against Rs. 1,67,959-8-0 actually collected in the previous year. The balance left uncollected at the end of the year was Rs. 1,587-8-0 inclusive of Rs. 422-8-0 being the profession tax due on Military Officers paid by Government after the close of the year, against Rs. 868 in the previous year. Out of this balance, Rs. 1,534-8-4 has since been collected and Rs. 0-7-8 has since been written off by the Standing Committee as irrecoverable, leaving Rs. 52-8-0 for further recovery and adjustment. The percentage of collections to the demand was 99.05 against 99.49 in 1913-14. The incidence of taxation per head of the population was Re. 0-5-2 against Re. 0-5-3 in the previous year.

Arrear.

21. The arrear demand outstanding at the beginning of the year was Rs. 1,033, which by subsequent assessments rose to Rs. 1,905-8-0 as against Rs. 1,659-2-0 in 1913-14. This demand was reduced to the extent of Rs. 247-8-0 by remissions and reductions on appeal and the net arrear demand amounted to Rs. 1,658. Of this, Rs. 1,606-4-3 was collected during the year and Rs. 1-11-9 was written off as irrecoverable, leaving Rs. 50 uncollected at the close of the year. Out of this balance, Rs. 2-8-0 has since been collected and a sum of Rs. 5 has since been written off by the Standing Committee as irrecoverable and a claim for Rs. 37-8-0 registered in the office of the Official Assignee in 1912-13 is still pending payment, thus leaving Rs. 5 still to be recovered. Three suits for the recovery of Rs. 17-8-0 of the arrear demand were filed in the Court of Small Causes, with the result that in two cases the suits were withdrawn as the tax was paid in the Court on or before the date of hearing and, in the other case, the suit was withdrawn as the summons was returned unserved. The percentage of collections to the demand was 96.86 against 86.03 in the previous year.

House, Water and Drainage and Lighting Taxes Combined.

Current.

22. The gross current demand under the consolidated rates levied on buildings and lands amounted to Rs. 16,53,135-15-2 against Rs. 15,70,971-11-1 in the preceding year. The gross increase of Rs. 83,751-14-4 over the net demand

of the previous year was due to revaluations and revision of assessments made during the year as particularised below :—

Rs. 39,306-6-1 to the general revision of assessments in Divisions 4, 5, 6, 7 and 11, of which the revision of 4th and 11th Divisions had effect only in the second half of the year ; Rs. 11,873-7-5 to assessments imposed on new buildings ; Rs. 4,420-7-3 to the enhancement of assessments on buildings on account of alterations and improvements ; and Rs. 28,151-9-7 to enhancements made in 1913-14, which had effect only for one half of that year, against a full year in the year under report.

23. During the year, 7,573 notices were issued under section 137 on account of enhancement of valuations and assessments newly imposed against 5,136 in 1913-14; 396 appeals were preferred against these enhancements and assessments and 41 against the standing assessments, making a total of 437 appeals against 246 in the previous year. These appeals were heard at five sittings of the Appeal Board constituted under section 172 of the Act, with the result that in 238 cases the assessments were reduced, the aggregate reduction amounting to Rs. 1,591-1-10 and in 199 cases the assessments were confirmed. Nine appeals were preferred to the Presidency Magistrates under section 175 of the Act against the decision of the Appeal Board ; in one case, the valuation as fixed by the Board was reduced by the Magistrates, the reduction amounting to Rs. 10-10-5 and in the remaining eight cases, the decision of the Appeal Board was upheld.

24. The net increase after deducting the reductions made by the Appeal Board and the Magistrates was Rs. 82,150-2-1 against Rs. 53,333-10-7 in the preceding year, and the net demand amounted to Rs. 16,51,534-2-11 against Rs. 15,69,384-0-10 in the previous year.

The net current collections amounted to Rs. 15,93,403-4-5 against Rs. 14,69,099-11-5 in 1913-14. This figure includes a sum of Rs. 9,972-8-8 paid in advance in 1913-14 for the year under report and excludes a sum of Rs. 4,282-12-6 received in advance in the year under report for the ensuing year, as well as a sum of Rs. 1,140-2-2, 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. 14,647-6-7 was remitted on account of vacancy, under section 142 of the Act and other causes against Rs. 14,267-15-0 in 1913-14 and Rs. 1,364-2-10 was remitted under section 117 of the Act as per resolution of the Corporation, on account of adverse conditions produced by the war. The balance left outstanding at the end of the year (after excluding Rs. 7,169-11-6 due by Government in respect of Military buildings under appeal) was Rs. 34,949-9-7 against Rs. 14,401-0-11, at the end of 1913-14.

The percentage of collections to the demand (exclusive of the sum due by Government, Military Department) was 96.90 against 98.00 in the previous year. Throughout the year, the practice inaugurated in the second half of the previous year was continued and the bulk of the collections was made without issue of warrants, only 9,155 warrants having been issued as against 47,896 in the previous year. The incidence of taxation per head of the population was Rs. 3-2-11 against Rs. 3-0-5 in 1913-14.

25. The total current demand, collection, remission and balance under the combined property taxes, as compared with the corresponding figures for the previous two years, are exhibited in Appendix I, Table No. I.

Arrear.

26. The arrear balance at the beginning of the year was Rs. 1,58,644-6-4 which by subsequent amendments was reduced to Rs. 92,557-4-1. Of this demand, a sum of Rs. 76, 184-15-3 was realised during the year and Rs. 777-3-10 was remitted on account of vacancy and other causes, Rs. 8-4-1 was remitted under section 117 of the Act on account of adverse conditions produced by the war and Rs. 5-5-2 was written off as irrecoverable. The balance left outstanding at the end of the year was Rs. 15,581-7-9 which includes Rs. 14,328-12-8 due by Government in respect of Military buildings under appeal. The percentage of collections to the demand (exclusive of the sum due by Government, Military Department and the amount covered by decrees) was 97.42 against 91.80 in 1913-14.

27. 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 No. 2.

28. Out of the total balance of Rs. 36,202-4-8 outstanding at the end of the year, *viz.*, Rs. 34,949-9-7 under current and Rs. 1,252-11-1 under arrear (exclusive of the sum due on Government Military buildings under appeal) a sum of Rupees 29,463-8-3 has been collected and adjusted up to the end of June 1915 leaving a sum of Rs. 6,738-12-5 for recovery and adjustment in the course of the year.

29. The details relating to each of the combined property taxes dealt with above, *viz.*, House, Land, Water and Drainage and Lighting taxes are exhibited separately in Appendix I, statements IV A and B.

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

Current.

30. The net demand under this tax rose from Rs. 1,11,894-8-0 to Rs. 1,12,194-14-0 or by Rs. 300-6-0.

31. Appendix I, Table No. 3, compares the number of vehicles and animals assessed for the year 1914-15 under the several classes of Schedule VI of the Act, with the corresponding figures for the previous year.

32. The current collections inclusive of Rs. 2,356 received in advance for the ensuing year, amounted to Rs. 1,10,069-10-0. The net collections for the year were thus Rs. 1,07,713-10-0 which with Rs. 1,742-8-0 prepaid in the previous year on account of taxes due for the year under report amounted to Rs. 1,09,456-2-0 against an estimate of Rs. 1,07,600-0-0. The balance left uncollected at the close of the year was Rs. 2,738-12-0 and of this sum Rs. 1,530-8-0 has since been collected leaving Rs. 1,208-4-0 for further recovery and adjustment. The percentage of collections to the demand was 97.63 for vehicles and 97.40 for animals.

against 98·37 and 98·11 respectively in the previous year. The incidence of taxation per head of the population was $\frac{\text{Re. } 0\text{-}2\text{-}4 \text{ for vehicles}}{\text{Re. } 0\text{-}1\text{-}2 \text{ for animals}}$ the corresponding figures for the previous year being $\frac{\text{Re. } 0\text{-}2\text{-}3 \text{ for vehicles}}{\text{Re. } 0\text{-}1\text{-}3 \text{ for animals}}$

Arrear.

33. The arrear demand at the beginning of the year both under vehicles and animals was Rs. 2,082-14-0 which by subsequent amendments and additions rose to Rs. 2,600 2-0. Of this sum assessments amounting to Rs. 834-15-8 were found on investigation to be erroneous and were consequently cancelled and the actual demand stood at Rs. 1,765-2-4. Of this amount Rs. 1,659-14-4 was collected leaving a balance of Rs. 105-4-0 at the close of the year. The percentage of collections to the demand was 93·47 for vehicles and 94·98 for animals against 83·46 and 90·87, respectively, in the previous year.

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

Current.

34. The demand under this tax, amounted to Rs. 32,016 against Rs. 32,091 in the previous year. The number of carts voluntarily offered for registration was 7,547 against 8,186 in the previous year, and the number seized under section 162 for non-registration rose from 2,511 to 3,125. Of the 3,125 carts seized, 3,101 were released on payment and 16 were sold by public auction in default of payment, leaving 8 carts for disposal at the close of the year.

35. The current collections inclusive of Rs. 1,629 received in advance for the ensuing year amounted to Rs. 32,294-9-5. The net collections excluding the advance payment were Rs. 30,665-9-5 which with Rs. 1,317 collected in the previous year towards the demand for the year under report amounted to Rs. 31,982-9-5 against Rs. 32,004-8-10 in 1913-14. A sum of Rs. 3 was refunded leaving a balance of Rs. 30-6-7 at the close of the year. Out of this sum, Rs. 6-6-7 represent the difference between the taxes payable and the amount realised by sale in the case of 6 out of the 16 carts referred to above and Rs. 24 are the taxes on 8 carts seized and awaiting disposal at the close of the year. The percentage of collections to the demand was 99·89 against 99·73 in 1913-14. The incidence of taxation per head of the population was Re. 0-1-0 as in the previous year.

Arrear.

36. The arrear demand at the beginning of the year was Rs. 9 which by subsequent amendments rose to Rs. 195. Of this sum Rs. 180 was collected and Rs. 9 was refunded leaving a balance of Rs. 6 being the tax on 2 carts seized and awaiting disposal at the close of the year.

Tolls on Vehicles and Animals entering Municipal Limits.

37. The right of collecting tolls for the year under report was put up to public auction and sold for Rs. 46,300-0-0 against Rs. 45,100-0-0 in the previous year.

The total amount recovered during the year amounted to Rs. 46,475-6-8 which includes interest paid for overdue instalments.

The incidence of tolls per head of the population was Re. 0-1-5 or the same as in the previous year.

**Revenue derived from Municipal Property and Powers apart from
Taxation.**

Rent of lands and buildings.

Current.

38. The demand under this head for the year was Rs. 31,936-4-11 against Rs. 27,928-9-7 in the preceding year. The increase was partly due to the rents realised from the properties acquired in Suparigunta Paracheri, 17th Division and in other places and partly to the leasing of more lands during the year. The collections amounted to Rs. 30,805-4-10 against Rs. 27,514-14-9 in 1913-14. The amount shown as collected excludes a sum of Rs. 972-4-3, being 50 per cent. of the rents collected from certain lessees on Wall Tax and Basin Bridge Roads, which was paid to Government under G. Os. Nos. 32 & 878, Revenue, dated 6th January 1902 and 22nd August 1903, respectively. The balance outstanding at the end of the year was Rs. 1,131-0-1, of which a sum of Rs. 651-12-8 has since been collected. The percentage of collections to the demand was 96.46 against 98.52 in 1913-14.

Arrear.

39. The arrear outstanding at the commencement of the year was Rs. 418-13-6 which by subsequent assessments rose to Rs. 797-14-4. Of this sum, Rs. 719-15-5 collected leaving a balance of Rs. 77-14-11 at the close of the year for realisation.

The percentage of collections to the demand was 90.23 against 93.51 in the preceding year.

Payment for Occupation of Municipal Lands under Section 408.

Current.

40. The demand under encroachments amounted to Rs. 5,112-12-0 against Rs. 4,943-0-0 in the previous year. The collections from trash sellers amounted to Rs. 1,055-5-0 against Rs. 1,075-12-6 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 roadside vendors.

The total demand under the above two heads amounted to Rs. 6,168-1-0, against Rs. 6,018-12-6 in 1913-14, and of this amount a sum of Rs. 6,096-14-0 was collected leaving a balance of Rs. 71-3-0 uncollected at the end of the year against Rs. 56-12-0 in 1913-14. Of this balance, a sum of Rs. 50-0-0 has since been collected. The percentage of collections to the demand was 98.85 against 99.05 in the previous year.

Arrear.

41. The arrear outstanding at the beginning of the year was Rs. 61-6-0 which, with supplemental charges, rose to Rs. 63-1-6. Of this sum, Rs. 29-9-6 were collected and Rs. 27-6-0 remitted, leaving a balance of Rs. 6-2-0 at the close of the year for realisation and adjustment. The percentage of collections to the demand was 82·87 against 94·08 in the previous year.

42. *Grass Farm, Tondiarpet.*—The Corporation grass farm was worked departmentally and the total receipts from all sources including Rs. 120-13-4 from the abandoned sewage farms, amounted to Rs. 37,438-1-1.

There was a small curtailment of the farm by about 11 grounds 256 sq. ft. due to the erosion of the sea. The total irrigable area of the farm is 94 cawnies, 20 grounds and 819 sq. ft.

By a resolution of the Corporation dated 21st April 1914, cattle grazing on the chappar portion of the farm was discontinued from 21st May 1914, a measure which resulted in a decrease of about Rs. 8,000 in the receipts for the year.

The total expenditure on the maintenance of the farm amounted to Rs. 24,631-3-5, this sum excludes Rs. 60,000 paid to Major Meagher in settlement of his claims against the Corporation.

The policy of filling up ponds and swamps has been continued. Twelve tanks were filled up during the year under review and the levels of three cocoanut groves raised to that of the adjoining ground.

The ground adjoining the Hindu Burial ground which consisted of low lying land overgrown with shrubs, rank vegetation and pampas grass from 3 to 5 feet high has been completely improved and replanted with hariali.

Open earthen channels which were tried experimentally for the conveyance of sewage in place of the semi-circular cement pipes in use, have been found to work most satisfactorily. The cement pipes in the farm are being gradually removed and replaced by earthen channels and this is specially noticeable in the portions of the farm improved during the year.

A large portion of the chappar enclosure has been improved, the chappar having been entirely eradicated and the ground raised and replanted with hariali. This has resulted in an area of a little more than 47 cawnies of land being brought under cultivation of hariali. The northern portion of the chappar enclosure is under improvement and when this is completed the entire farm will be under cultivation of hariali.

The farm has materially improved and as soon as the works now in progress are completed it may be assumed that the outturn will be more than doubled and the revenue therefrom looked to as a valuable asset to the resources of the Corporation.

43. *Moore Market*.—The income amounted to Rs. 18,898-13-10 against an estimate of Rs. 19,000.

Under the orders of the Standing Committee, the right of collecting rents from the Fowls stalls in the Moore Market for one year from 1st June 1914 was sold in auction and the lease was given to one Abdul Majid Khan Sahib, the highest bidder, for Rs. 330 per month. He made default in the payment of rent and the contract was terminated in October. The lease was resold in auction for seven months from November on a monthly rent of Rs. 220 and steps are being taken to recover the loss caused by his default.

44. *The New Guzili Bazaar*.—The collections amounted to Rs. 13,672-8-6 against an estimate of Rs. 13,000. The demand was fully realised within the year.

45. *Private markets*.—There were 44 markets in the city and the fee collected amounted to Rs. 3,700 against Rs. 3,750 in the previous year.

46. *License fees on Import of Timber and Firewood*.—The gross collections under this head amounted to Rs. 1,89,827-6-4, which includes a sum of Rs. 2,864-11-6 relating to the previous year in the hands of the collecting agencies and paid in during the year under report and excludes Rs. 3,969-7-6, the fees levied and received by the collecting agencies for March 1915, but not remitted to this office till after the close of the year. The corresponding gross collections for 1913-14 amounted to Rs. 2,22,084-2-8.

47. Refunds of fees on exports granted during the year amounted to Rs. 58,348-3-2 against Rs. 47,124-6-0 in the previous year. The net collections for the year stood at Rs. 1,31,479-3-2 against an estimate of Rs. 1,15,000 and against Rs. 1,74,959-12-8, the actuals of the previous year.

The revenue under this item is a fluctuating one, and the decrease as compared with the actuals of 1913-14 is due to the fall in imports of timber by sea and also to the large refunds made during the year from current collections.

In addition to the refund of Rs. 58,348-3-2 paid from the current collections on account of timber exported from imports made during the year, a sum of Rs. 42,785-9-7 was also refunded from collections of previous years under the head of 'Refund of other than current collections.'

48. *Distrain Fees*.—The distraint fees realised during the year amounted to Rs. 110-14-5 against an estimate of Rs. 150 and Rs. 160-6-7 collected in the previous year. There were 158 distraints made in the year against 183 in the previous year. Only in 84 of these cases against 67 in the previous year, the distress had to be pushed on to the final stage of sale by auction. This indicates that the taxes were collected during the year under report, without undue severity, the number of warrants issued in the year being only 11,916 as against 54,784 in the previous year.

49. *Fines under Municipal and other Acts.*—The amount realised under this head was Rs. 5,615-3-6 against an estimate of Rs. 5,200 and Rs. 3,847-10-10, the collections in the previous year.

50. *Fees for Licenses, Registration, &c.*—The amount collected under this head amounted to Rs. 65,181-4-0 against Rs. 64,883-4-0 in the previous year. Details will be found in Table No. 19, Appendix II.

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

51. *Interest on Investments.*—A sum of Rs. 932-14-7 was realised as interest on the securities in favour of Raja Sir Ramaswami Mudaliyar Maternity Hospital. The interest derived on investments of the surplus funds of the Corporation amounted to Rs. 73,442-11-11 under the Revenue and Capital accounts put together against Rs. 87,863-14-10 in the previous year.

52. *Grants and Contributions.*—Contributions amounting to Rs. 10,15,350 as detailed under, were paid by Government during the year against Rs. 15,78,350 in 1913-14 :—

(1) a contribution of Rs. 20,000 for the maintenance of the Mount and Poonamallee Roads ;

(2) a contribution of Rs. 4,443 for the repair of the bridges over the Coom and Buckingham canal ;

(3) a contribution of Rs. 2,000 towards the Zoological collections in the People's Park ;

(4) a contribution of Rs. 300 for the payment of batta to pregnant women in Raja Sir Ramaswami Mudaliyar Maternity Hospital ;

(5) a compensation of Rs. 13,607 for withholding sanction for the issue of licenses by the Corporation for places used for the sale of spirituous and intoxicating liquors ;

(6) a special grant of Rs. 5,00,000 for the improvement of water-supply and drainage of the city ;

(7) a special grant of Rs. 3,00,000 for the anti-malarial operations ;

(8) a special grant of Rs. 1,25,000 for the acquisition of lands for the new sewage farm, and

(9) a special grant of Rs. 50,000 for the construction of model cow-houses.

Payment for Water supplied for Non-Domestic Purposes.

Current.

53. The demand under this head amounted to Rs. 1,39,250-10-0 against Rs. 1,31,857-5-0, which excludes a sum of Rs. 4,597-12-0 due by Government for supply of water to their buildings during the two months of the last quarter

of the year, the bills for which amount could, under the existing arrangement with Government, be issued only after the close of the year. The current collections came up to Rs. 1,37,640-2-0 against Rs. 1,28,862-1-7 in the preceding year and Rs. 1,610-8-0 were outstanding at the end of the year. Of this balance, Rs. 1,020-4-0 have since been collected.

The percentage of collections to the demand was 98.84 against 98.64 in the previous year.

Arrear.

54. The arrear outstanding at the beginning of the year was Rs. 2,995-3-5 which rose to Rs. 9,036-1-5 by supplemental charges made for the previous year and by bills issued against Government for the two months of the last quarter of the previous year.

A sum of Rs. 8,945-9-11 was collected and Rs. 37-8-0 remitted, leaving a balance of Rs. 52-15-6 uncollected at the end of the year.

This balance represents the amounts due by Government in respect of the water supplied to the Police lines at Egmore and by the Prince of Arcot. These items are under correspondence.

The percentage of collections to the demand was 99.41.

General Incidence of Taxation.

55. The incidence of taxation per head of the population under all taxes including tolls, was Rs. 3-14-5 against Rs. 3-8-10 in the previous year. Excluding tolls, the incidence was Rs. 3-13-0 against Rs. 3-7-5 in 1913-14.

Advance Account.

56. The amount outstanding at the beginning of the year was Rs. 1,47,336-14-8, of which permanent advances held by the several officers of the Corporation amounted to Rs. 92,555 and miscellaneous advances to Rs. 54,781-14-8. During the year permanent advances amounting to Rs. 135 and miscellaneous advances of Rs. 43,138-7-0 were adjusted and fresh advances were made to the extent of Rs. 665 under "Permanent" and Rs. 64,759-7-11 under "Miscellaneous." The advances outstanding at the close of the year were thus Rs. 93,085 under permanent and Rs. 76,402-15-7 under miscellaneous or Rs. 1,69,487-15-7 in the aggregate against Rs. 1,47,336-14-8 at the end of the previous year.

EXPENDITURE.

Grant I—(*Public Works*).

Communications.

New Works.

57. The works falling under this head are mostly acquisitions of land and buildings for the improvement of roadways and are classified as follows:—

- (a) Widening of streets and roads,
- (b) Rounding off dangerous corners,
- (c) Opening of blind lanes and connecting them with public streets and roads.

The total amount spent under this head was Rs. 44,715 against the Revised Estimate of Rs. 96,380. The short expenditure was due to the acquisition of land not having been completed in some cases and to some of the proposals having been abandoned.

58. The following roads and streets were widened:—

- (1) Southern end of east Cemetery Road, Washermanpet.
- (2) The bend at the junction of Puliyantope and Ramaswami Chetti Street, Perambur.
- (3) The corner at the junction of Stringer's and Isaac Streets, Georgetown.
- (4) The corner at the junction of Elephant Gate Street with Mint Street, Georgetown.
- (5) The lane between Candappa Mudali High Road and Yami Street, Purasawakum.
- (6) The north-eastern portion of Lakshmi Narayana Perumal Coil Street, Egmore.
- (7) Veeraswami Pillai Street, Egmore.
- (8) Gengu Reddi Road, Egmore.
- (9) Muthukalathi Street, Triplicane.
- (10) Khana Bagh Street, Triplicane (further widening).
- (11) Junction of Mowbray's Road and Luz Church Road, Mylapore.
- (12) North end of Arundel Street, Mylapore.
- (13) Rosary Church Road, San Thome, Mylapore.

59. The corners at the following places were acquired for rounding off dangerous corners :—

- (1) Junction at the end of the College Road and Nungambakum High Road.
- (2) Junction of Patullo's Road and White's Road.
- (3) The corner towards Laws Bridge in the Cooum river east side road, Chintadripet.
- (4) The four corners at the junction of Lloyd Road and Rayapettah High Road.
- (5) Junction of Avadanam Paupier Lane with Chinniah Naicken Street, Chulai.
- (6) Junction of Police Commissioner's Office Road and Veeraswami Pillai Street, Egmore.
- (7) Junction of Dams Road and Blackers Road.

60. Opening blind lanes :—

- (1) In Tondiarpet, Bala Arunachalla Chetti Street was opened and connected with Solayappan Street.
- (2) In Perambur, the Gantz Road was connected with Erukanjeri Road.
- (3) In Triplicane, Subbaroya Mudali Street was connected with Begum Sahib Lane.
- (4) A new road between Darya Sahib Street and Ghouse Mohideen Pettah Road in Tondiyarpet and a street in continuation of Muniappa Mudali Street in Peddunaickpet, Georgetown, were opened.

61. The following works and acquisitions which were reported to be in progress during 1913-14 were completed during the year :—

- (1) The land occupied by the portico in front of Messrs. Wiele & Klein's studio was taken over under section 235 of the Municipal Act and the road widened.
- (2) Constructing a footpath from Messrs. D'Angelis & Son's south corner to the north gate of the Post Office in Mount Road.
- (3) Acquisition of land for widening Venkatesa Naick Street, Triplicane.
- (4) Acquisition of land for widening the road at Chitrakulam, Mylapore.
- (5) Acquisition of land for widening San Thome High Road.
- (6) Acquisition of land for widening Pycroft's Road 2nd lane and laying a new road connecting with General Patter's Road ; and
- (7) Acquisition of land for rounding off the corner at the junction of Mount Road with General Patter's Road.

Repairs.

62. The works under "Repairs, Communications" may be classified as under :—

- (1) Reform and repair of roads.
- (2) Tarring of roads.
- (3) Repairs to culverts.
- (4) Repairs to bridges.

The total expenditure incurred on these works was Rs. 2,10,673, against the Revised Estimate of Rs. 2,52,570 and the actuals of Rs. 3,65,199 of the previous year. The large decrease in expenditure compared with the previous year was due to the failure of the road metal contractors. This resulted in a large decrease in the total mileage of roads reformed and in the total number of squares laid out.

63. *Reform and Repair of Roads.*—During the year 2 miles, 3 furlongs and 210 yards of unmetalled roads were metalled for the first time. The work done in the reform of roads was as follows :—The number of squares (100 square feet) laid was 32,978, which is equivalent to 31.23 miles of roads 20 feet wide, against 61 miles of roads in the previous year—*vide* details in Tables 13 and 14, Appendix II.

The quantity of materials used in reform work was :—

| | | C.ft. |
|--------------|-----|----------|
| Blue Granite | ... | 5,78,098 |
| Velacheri | ... | 2,79,717 |
| Laterite | ... | 1,93,574 |

The quantity of materials used in patch-work was :—

| | | C.ft. |
|--------------|-----|--------|
| Blue Granite | ... | 55,374 |
| Velacheri | ... | 19,127 |
| Laterite | ... | 24,225 |

A list of roads to be reformed is maintained in the office and roads for reform were taken in order of urgency and importance.

Increased attention was also paid to the patching of roads.

The cost of reform, including materials, cartage and laying, but exclusive of rolling was Rs. 1,31,510. The 31.23 miles of roads completely reformed cost Rs. 4,211 per mile against Rs. 4,311 per mile in 1913-14.

The comparative figures for granite reform are shown below, the figures being squares in each case :—

| | | Granite. 12" | Granite. 6" | Granite. 4" | Granite. 3" | Granite. 2" | Granite. 1½" |
|---------|-----|-----------------|----------------|----------------|----------------|----------------|-----------------|
| 1913-14 | ... | 150 | 590 | 17,726 | 21,849 | 876½ | 40 |
| 1914-15 | ... | ... | 410¼ | 12,984 | 16,225 | ... | ... |

64. *Tarring Roads.*—Tar-spraying was done in the following roads during the year at a cost of Rs. 12,906.

- (a) Pantheon Road from College Bridge to Police Commissioner's Office Road.
- (b) Mount Road from Blacker's Road to General Patter's Road.
- (c) General Patter's Road from Mount Road to Wood's Road.
- (d) West Cott Road from Pycroft's Road to Peter's Road.
- (e) Mount Road from Messrs. W. E. Smith & Co. to Messrs. Spencer & Co. was retarred.
- (f) South Beach Road from Pycroft's Road to Napier Bridge was tarred twice in the year.

Besides the tarring carried out in the past years, the question of trying the formation of bituminous-bound concrete roads in the City by using asphaltum, was considered and with this object in view the Standing Committee on 19th March 1915, approved the proposal of the Engineer to have an asphaltic concrete road laid by the Standard Oil Company, as a demonstration. If it proves successful, it is hoped to make concrete roads which will last longer than other roads.

65. *Repairs to Culverts and Bridges.*—Seven culverts were extended and two bridges were repaired and a retaining wall was constructed at the junction of Coom riverside road and Law's Bridge.

Buildings.

New Works.

66. An expenditure of Rs. 2,84,171 was incurred under this head, against Rs. 4,55,370 in the Revised Estimate. The decrease was due partly to the land required for the construction of model dwellings for the people evicted from Suparigunta Paracherri, for which a sum of Rs. 64,500 was provided, not having been acquired pending disposal by the Court of the owner's contention that the whole of his property should be acquired, and partly to savings and to the works completed not having been paid for within the year.

The works carried out may be classified as follows :—

- (1) Additions and improvements to Hospitals.
- (2) Construction of Model Paracherries.
- (3) Construction of Model Schools.
- (4) Works carried out for Health Department.
- (5) Other works.

Hospitals.

67. (1) *Raja Sir Ramaswami Mudaliyar Lying-in-Hospital.*—A compound wall separating the hospital from the Monegar Choultry was constructed. The construction of quarters for the Indian nurses was in progress.

(2) *Royapettah Hospital*.—Land was acquired for the construction of stables and servants' room. The construction of quarters for two Sub-Assistant Surgeons was completed and the installation of sanitary and electric fittings for them, was in progress.

(3) *Isolation Hospital*.—The revised estimate for Rs. 3,19,000 prepared in accordance with the revised plans approved by the Sanitary Board, was submitted to Government for sanction on 19th May 1914. The Chief Engineer who scrutinised the estimate suggested certain alterations in the design of the buildings, to effect the construction of a more economical building. In communicating the remarks of the Chief Engineer, the Government in G. O. No. 1768-M., dated 15th September 1914, expressed the opinion that in the present state of their finances, the Corporation would be well-advised to consider whether it would not be sufficient for the present to construct only the really essential portions of the buildings. The proposal to construct this hospital has necessarily to be deferred until the financial condition of the Corporation improves. In the meantime the hospital for infectious diseases in the Barracks Square, 7th Division, is being improved to suit requirements.

Model Paracherries.

68. (1) *Pudupet Model Dwellings*.—This is a two-storeyed building consisting of 20 tenements, and is situated in Pantheon Road, Egmore; it is solely intended for the accommodation of poor Anglo-Indians. The installation of sanitary fittings by Messrs. Richardson and Cruddas, was completed during the year and the building was opened for occupation on 1st March 1915. A rent of Rs. 5 is charged for each tenement on the first floor and Rs. 4 for each tenement in the ground floor.

(2) *Cemetery Road*.—The construction of a Model Paracherri of 34 tenements in this road was nearing completion.

(3) Land and buildings in Mount Road opposite to Stable Company were acquired for Rs. 12,841. The buildings were in a dilapidated and insanitary condition and the acquisition was made with a view either to resell the land for the construction of decent buildings or lay out a garden.

Model Schools.

69. Buildings were completed during the year at the following places:—

- (a) Mint Subbarayalu Nayudu Street, Korukupet.
- (b) Goyatope, Egmore.
- (c) Azizmulk Street, Thousand Lights.
- (d) Mandavali Street, Mylapore.

The construction of buildings at the following places was in progress:—

- (a) Bell's Road, Triplicane.
- (b) Ramanaick Street, Nungambakkam.
- (c) Angappa Naick Street, Georgetown.
- (d) Venkatarangam Pillai Street, Triplicane.

Six new sites were acquired at the following places:—

- (1) Salai Vinayagar Koil Street, Georgetown.
- (2) Vasapmode Paracherri.
- (3) Anna Pillai Street.
- (4) Junction of Edapalayam and Hanumantharayan Koil Street.
- (5) Triplicane High Road
- (6) Ammayappa Mudali Street, Mylapore.

Two sites in Cemetery Road, Tondiarpet, and Parthasarathipetta, Teynampet, which belonged to Government, were alienated to the Corporation for the construction of Model Schools.

Tenders for the construction of schools on the first two sites mentioned above, were accepted by the Corporation.

A room on the first floor of the Damodar Free School, Teynampet, was constructed and the Olcott Free Panchama School, in Krishnampet, was extended.

Works carried out for Health Department.

70. (1) *Dhobikhana, Chetput.*—The improvements to the Dhobikhana referred to in paragraph 80 of the report for 1913-14 were completed during the year.

(2) *Model Milch Cow-Houses.*—The Corporation selected the old Fiji Emigration Depot in Tondiarpet and the "B" Conservancy Bullock Depot near the Basin Bridge Road for the model Milch Cow-Houses. The acquisition of the former was in progress and a tender for Rs. 56,088-12-0 for altering the "B" Depot so as to make it suitable for Cow-Houses and providing a sterilising boiler was accepted by the Corporation on 23rd October 1914 and work is in progress.

(3) *Passport Office in Tiruvottiyur High Road.*—Tenders were called for during the year for carrying out improvements to this building to make it suitable for a dispensary and for the construction of offices for Sanitary Inspector, Conservancy Overseer, Vaccinator, Medical Registrar and Plague Inspector. A tender for Rs. 13,062-12-0 was accepted by the Corporation on 18th August 1914 and the work is in progress.

(4) *Latrines.*—Two flush-out latrines were constructed at Velayuda Chetti Street, Pudupet, and one flush-out latrine between Thoppai Mudali Street and Rama Naick Street, Tondiarpet.

A sanded latrine at Ellapathamatha Koil Paracherri and another at the Dhobikhana, Chetput, were constructed.

The construction of a flush-out latrine in Polu Naicken Street, Perambur, was in progress.

Land was acquired in Sirdar Jung's Garden for the construction of a flush-out latrine and the acquisition of land for building a flush-out latrine in Thambu Chetti lane was in progress.

(5) *Bullock Sheds and Slaughter Houses.*—Additional bays with partitions were constructed in the Bullock Slaughter House, Perambur.

Other Works.

71. (a) *Ripon Buildings*.—The erection of the tower clock and the electric lift was completed during the year and minor works costing Rs. 17,340 were carried out. The erection of the record racks was nearing completion towards the close of the year.

(b) *Central Fire Station*.—This was completed during the year.

Two more motor fire engines were ordered for the City and, with the consultation of the Commissioner of Police, it was decided that the additional engines also should be housed along with the existing motor fire engine and that quarters for a European and an Indian driver should be constructed by the side of the existing driver's quarters. An estimate for Rs. 18,500 for both the works was sanctioned by the Standing Committee on 12th March 1915 and tenders for them were under preparation at the end of the year.

(c) *Parks*.

(i) *People's Park*.—A pipe fence was erected around the new bear's cage, the Emus and Cassowary cages were repaired and fenced, a new store shed was constructed in the menagerie enclosure, and the fencing of the small deer enclosure was in progress.

(ii) *Robinson Park*.—The construction of a room on the upper floor of the Superintendent's quarters and the extension of the foliage shed in front of the gate were in progress.

(d) *Workshops and Stores*.—A tender for Rs. 5,496-2-0 for the construction of a compound wall for the Corporation Workshop and Stores was accepted by the Standing Committee on 26th February 1915.

(e) The acquisition of land for the shifting of the road roller shed at the 18th Division Overseer's Stores was completed.

(f) The compound wall of the police station opposite to Messrs. Spencer & Co. was rebuilt, and the corner improved.

Repairs.

72. The repairs done to Municipal buildings and the cost of such repairs are shown in detail in Appendix I, Statement IIA, Part II.

Water-Supply and Drainage—Special Works Department.

73. *Staff*.—Mr. A. L. Houston, Senior Assistant Engineer, Drainage Section, availed himself of privilege leave from 2nd June 1914 to 31st August 1914. Mr. F. A. Adlard resigned his appointment as Assistant Engineer on the Water Distribution System on 21st November 1914, to take up the post of Assistant Sanitary Engineer to Government. Mr. J. E. Hensman was appointed to succeed Mr. Adlard, and took up his duties on 1st February 1915. Mr. S. L. Luker was appointed Assistant Engineer in the Drainage Section from 18th January 1915.

In G. O. No. 2561, dated 22nd December 1914, the Government expressed the opinion that the work of the special staff engaged to prepare a scheme of

drainage operations in connection with the anti-malarial measures in the City should be placed under the direction of the Special Engineer. Mr. Barker, Assistant Engineer, was appointed to prepare this scheme under the direction of the Special Engineer and was relieved of his previous work by Mr. S. L. Luker at the end of March 1915. This arrangement was rendered possible owing to the conditions arising from the war which rendered inevitable the postponement of work on the proposed New Sewage Farm.

Owing to the completion of a large portion of the Waterworks and Drainage Works and the great reduction in outturn of work occasioned by the war, a considerable reduction has been made in the subordinate staff of the Special Works Department.

General.

74. The most notable events in the year under report were the opening of the Tondiarpet Drainage Works and of the new Waterworks at Kilpauk and the sanction by Government of the proposals for the Main Drainage of the City at an estimated cost of Rs. 1,00,92,200. The Tondiarpet Drainage Works were formally opened by Mr. P. L. Moore, C.I.E., I.C.S., on 18th April 1914, in the presence of a number of Commissioners and Engineers, when he started a pumping engine at "B" Station, thus for the first time pumping Tondiarpet Sewage to the Sewage Farm.

The new Waterworks for supplying pure water under increased pressure were opened on 17th December 1914 by His Excellency Lord Pentland, Governor of Madras.

The speeches of His Excellency the Governor and of the Acting President are printed in Appendix VI as a record of the occasion.

Photographic views of the principal works included in new water works will be found on the plate bound between pages 28 and 29.

75. The work done by the Special Works Department during the year may be classified as follows :—

Waterworks.

(1) Completion of Pumping Station and Elevated Tank at Kilpauk and of 48-inch steel pumping main.

(2) Completion of Roughing Filter, Conduit, Sand Filters, and Pure Water Tanks with accessory works.

(3) Completion of laying of the large trunk Main No. 7 from Kilpauk to Mylapore and the laying of Main No. 1 from Kilpauk to Tondiarpet and of urgently required distributary pipes.

Drainage Works.

(1) Completion of sewer laying in Tondiarpet.

(2) Construction and completion of Harbour Overflow Intercepting Sewer in North Beach Road.

(3) Commencement of the construction of Purasawakam Gravitation Main.

(4) Laying sewers in Ice House Road area to replace collapsed old cement pipes.

(5) Preparing specification and schedules for numerous contracts.

(6) Surveys and levels of all streets in the Georgetown and Purasawakam drainage areas.

(7) Preparation of working drawings for sewers in Georgetown and Purasawakam areas.

76. Appendix II.—Table I shows the expenditure on works in charge of the Special Engineer for the last seven years, *i.e.*, since his department was created.

The considerable falling off in the value of work executed is due to the war in consequence of which it was found necessary to defer letting some contracts and the delivery of materials under running contracts was very much delayed.

As in previous years great pressure had to be exerted on the various contractors to obtain a reasonable outturn of work, and a considerable amount of work was carried out departmentally to supplement the deficiency on the part of the contractors. Details of the expenditure are given Appendix II, Table No. I. A.

Waterworks Section.

77. The conduit and 14 filter beds were completed. Six beds were filled with filtering materials and brought into working since November 1913. Owing to dilatoriness on the part of the contractor in obtaining filtering materials, his supply has been supplemented by direct labour and by letting subsidiary contracts at his risk and cost.

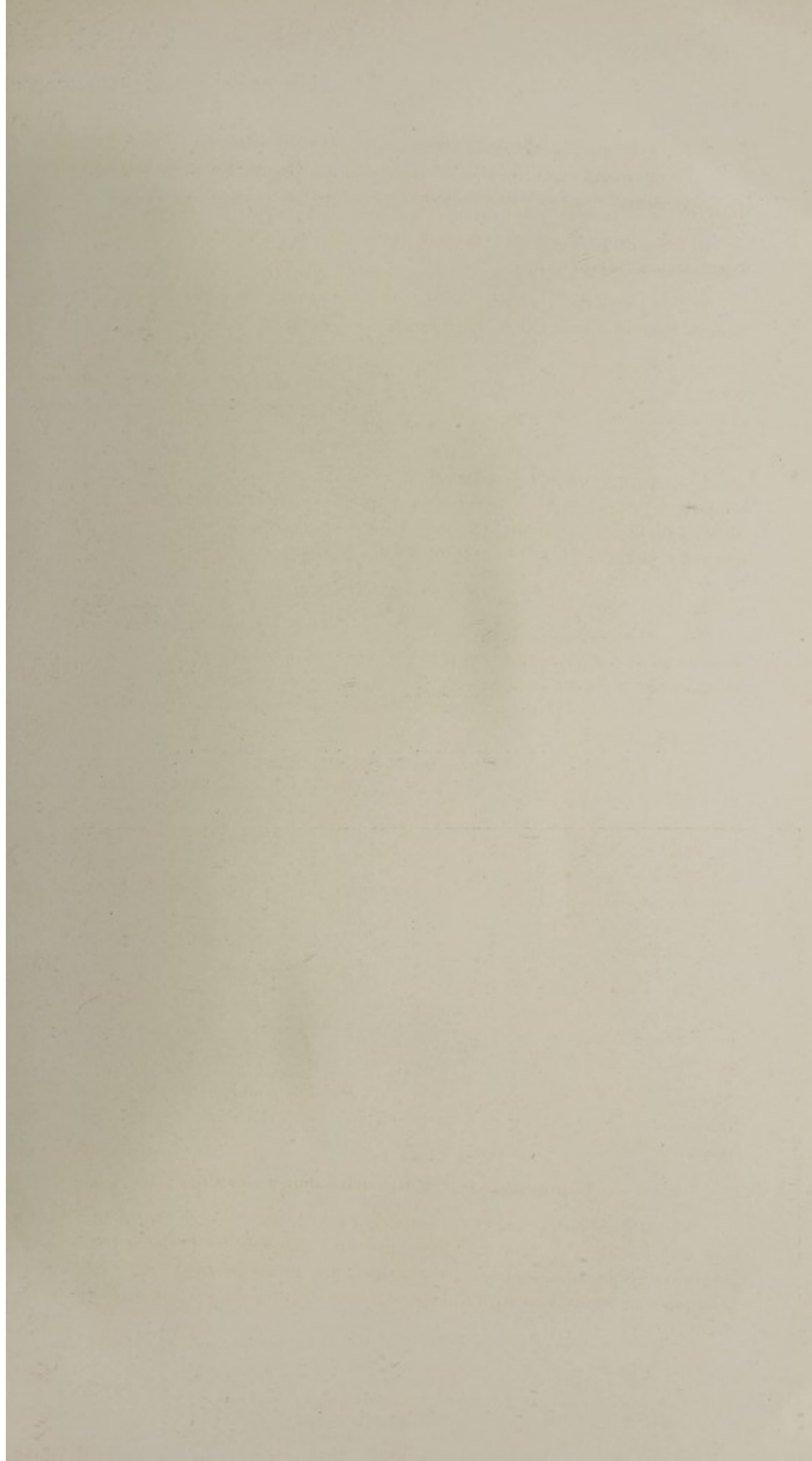
78. *Additional Filter Beds and a Fourth Pure Water Tank.*—The estimates for Rs. 5,30,000 submitted by the Special Engineer for the construction of seven additional filter beds and an additional pure water tank were sanctioned in G. O. No. 1442-M., dated 31st July 1914, subject to the condition that the works should not be begun without a further resolution of the Corporation which should not be passed until adequate information is available as to the pace at which the existing filters will work and the consumption per head throughout the City under the new conditions.

79. *Pumping Station and Elevated Tank.*—The construction of the pumping station has been completed excepting the portion of the floor-tiling, which has been delayed owing to the war. The elevated tank has still to be painted inside and the rain water pipes have to be fixed.

80. *Pumping Machinery.*—The pumping machinery has been running since December 1914. The engine trials will be run as soon as the contractors are ready for them.

Improvement of Water Distribution System.

81. *Pipe Contracts.*—The contract let to Messrs. Balmer Lawrie & Co., of Calcutta, for the supply of cast iron pipes and specials to the value of Rs. 13½ lakhs having been completed, fresh tenders for an additional 11,500 tons of cast-iron pipes in connection with the water-supply distribution scheme were called for.

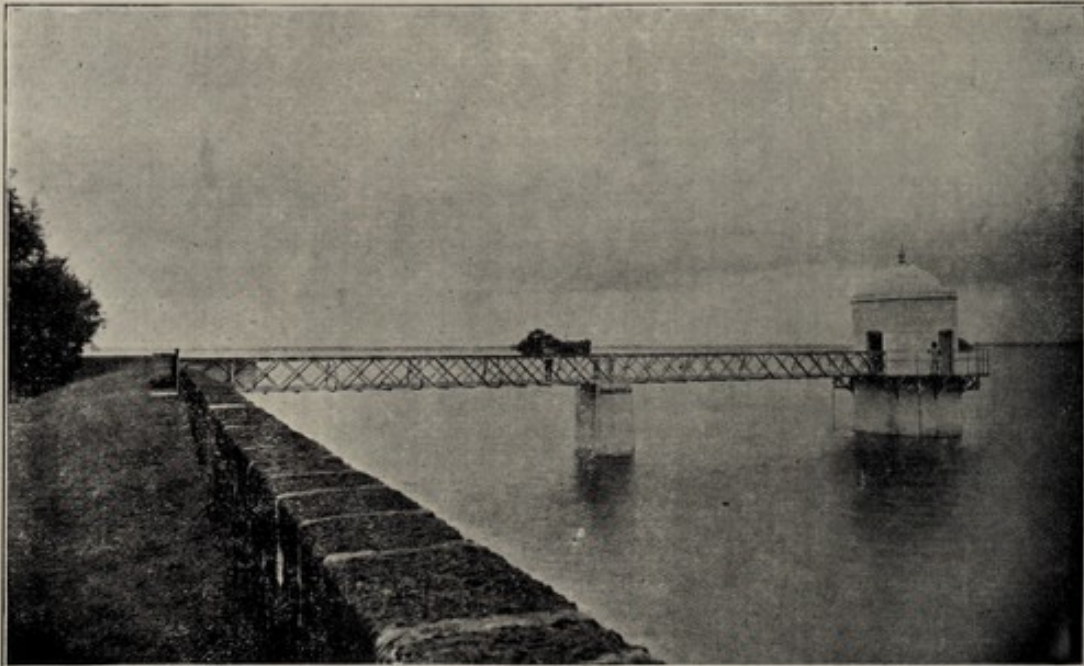


MADRAS CORPORATION

Opened by His Excellency The Right Honourable I

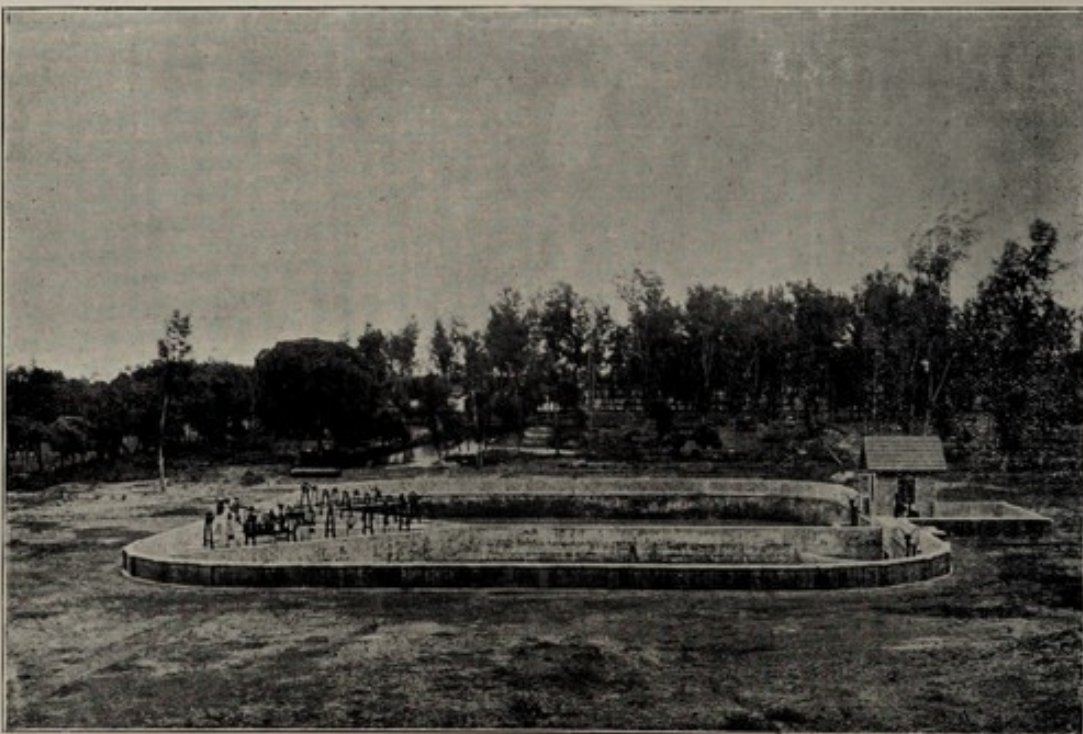
On Decem

INTAKE TOWER, RED HILLS LAKE.



This tower, built where the lake is deepest, is provided with inlets at different levels through which the water is admitted into the new works.

SCREENING CHAMBER AND ROUGHING FILTER AT RED HILLS.



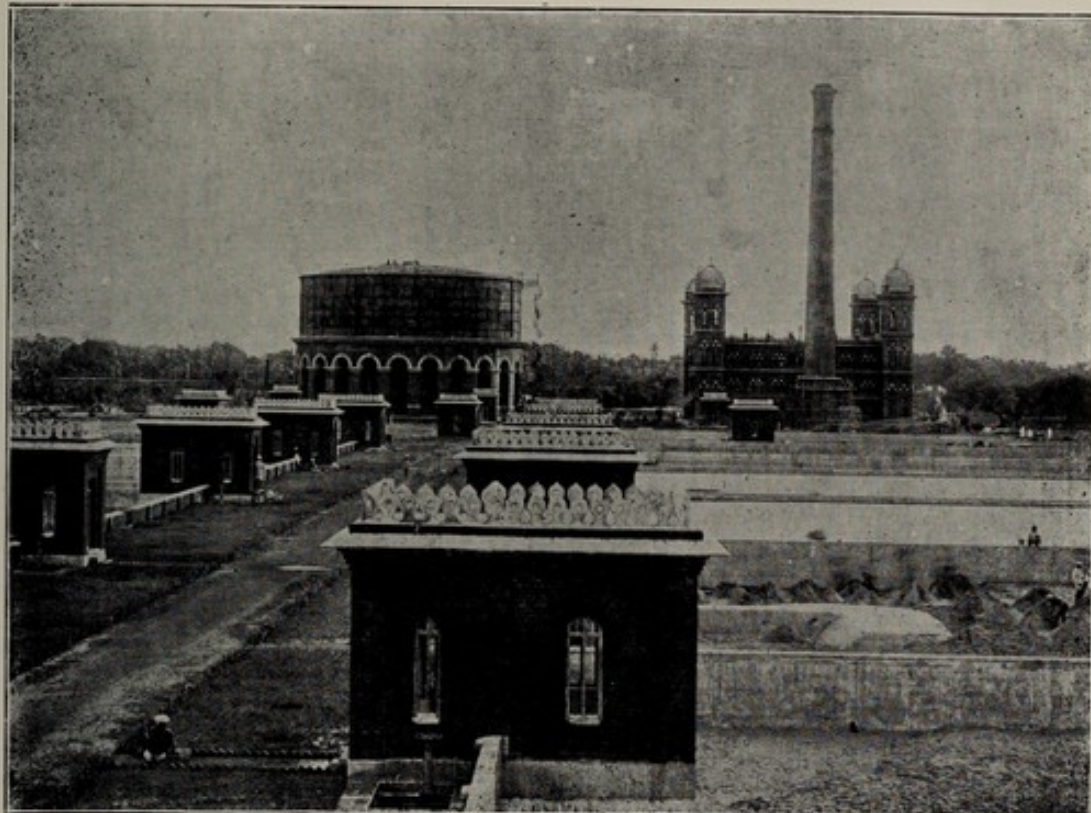
On the left is the triangular Screening Chamber, with gear for raising and lowering the screens. The water passes through the screens and then enters the roughing filter at floor level; rising through a filtering medium of broken stone, it passes over the measuring weir on the right, into the conduit to Madras. The quantity passing is continuously measured and recorded by a meter placed in the valve house on the right.

ON WATER-WORKS.

RD PENTLAND, P.C., G.C.I.E., Governor of Madras.

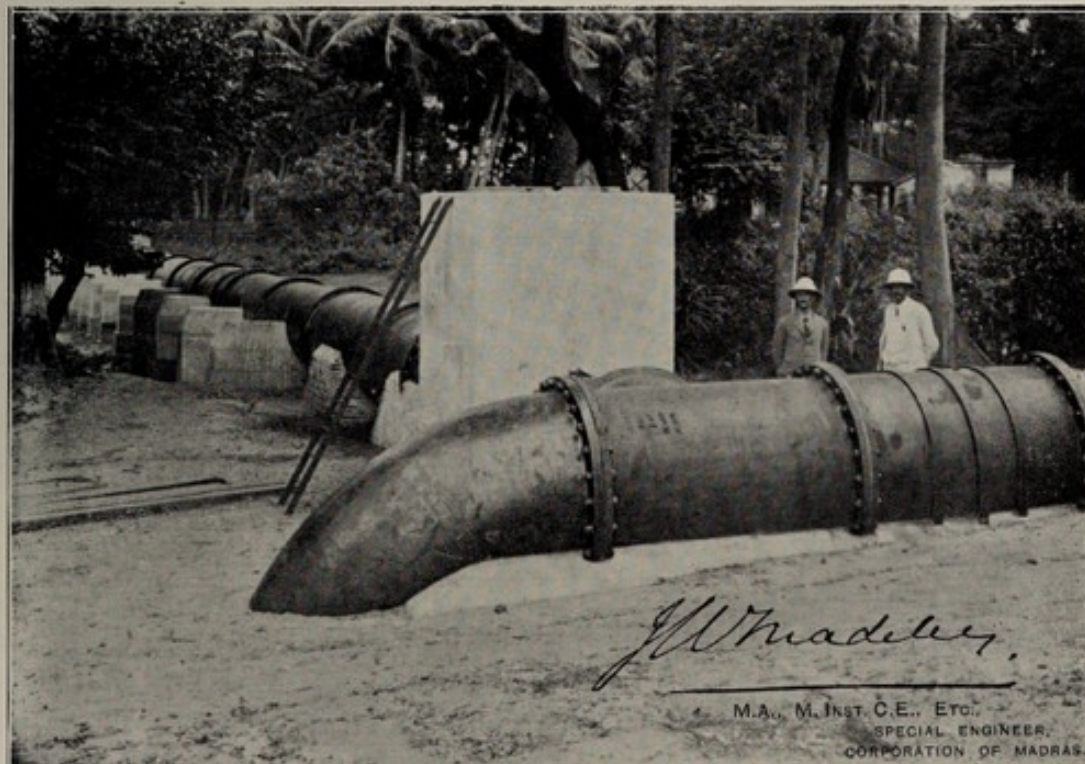
17th, 1914.

GENERAL VIEW OF WATER-WORKS AT KILPAUK.



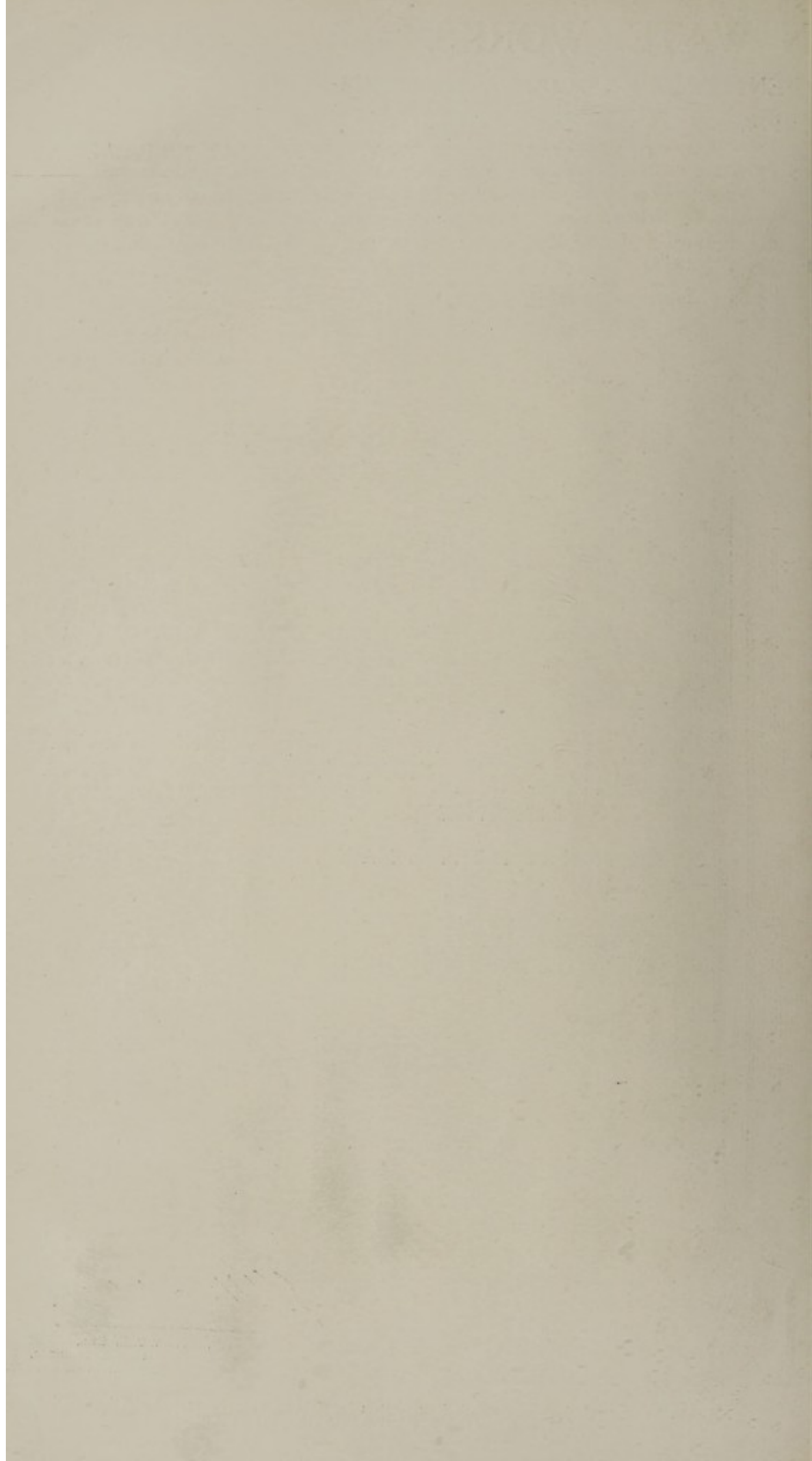
This photograph shows the two rows of seven filters with their valve houses. In the background are the Elevated Tank on the left and the Pumping Station on the right. The water is admitted to the filters from the Red Hills conduit which runs round outside the two rows of filters. The filtered water passes through the valve houses into the underground pure water conduit between the filters; it then enters the underground pure water tanks, situated between the filters and the Pumping Station, and is finally pumped through a 48-inch diameter main into the distribution system. The Elevated Tank is provided to maintain a balance between the pumps and the distribution system.

CONNECTION OF PUMPING MAIN TO DISTRIBUTION SYSTEM.



In the foreground is the new 48-inch diameter Pumping Main, on the left (connected with the Pumping Main) is the new 42-inch leading main to supply the North of Madras.

J. W. Madley,
M.A., M. Inst. C.E., Etc.,
SPECIAL ENGINEER,
CORPORATION OF MADRAS.



The Corporation decided to accept the tender of Messrs. Oakes & Co., for pipes made by a French firm, but owing to the war the tender was withdrawn and the Corporation resolved to defer calling for fresh tenders until normal conditions are resumed. Contract forms for urgently required pipes were prepared with an insertion therein of a special clause to deal with the payment of freight and war risk insurance.

82. *New Trunk Mains.*—The laying of a large main to the north of the City was almost completed by M.R.Ry. M. Bashyam Naidu and that to the south of the City was completed by M.R.Ry. N. Muniswami Mudaliar. The total length of pipes laid by these two contractors is about 62,034 feet—*vide* Appendix II, Table No. 3 A.

83. *Prevention of Waste of Water.*—Tender forms for the supply and delivery of waste detection meters, special castings, sluice valves, &c., were prepared but were not advertised owing to the war.

84. *Pipe Bursts.*—The increased pressure of water after the opening of the new waterworks by His Excellency the Governor was maintained on the mains for about a week. Then a number of old defective pipes burst and the cutting off of water while they were being repaired, caused considerable inconvenience and hardship to the public. To minimise the inconvenience when bursts occur in future, the pressure has been reduced and certain intercommunication works are being carried out at a cost of about Rs. 5,500.

85. *Raising of the F. T. L. of Red Hills Tank.*—In G. O. No. 233 (Irrgn.) P.W., dated 26th May 1914, the Government approved the suggestion of the Special Engineer that in the interests of the water-supply to the City of Madras, the F.T.L. of the Red Hills Tank should be raised by $1\frac{1}{2}$ feet and that the level below which the draw-off for irrigation is stopped should also be raised by the same height. The Corporation having agreed to bear the cost of these works, *viz.*, Rs. 1,25,000, the Superintending Engineer has been directed by Government to prepare plans and estimates for them.

86. The waterworks by-laws proposed by the Special Engineer were approved by the Corporation. The Government have deferred passing orders on them pending the amendment of the Madras City Municipal Act, 1904.

87. Waterworks Regulations were drawn up by the Special Engineer and were approved by the President and brought into force from May 1914.

Drainage Section.

88. All the main drainage works, included in the Tondiarpet Report and sanctioned in G. O. No. 654-M., dated 18th April 1910, were completed with the exception of the Sewage Farm Pumping Station.

89. *Sewage Farm Pumping Station.*—The first unit of Humphrey pump was erected at the Tondiarpet Sewage Farm. The pump worked a few hours daily for a time, but subsequently difficulty was experienced and the contractors dismantled the pump and re-erected it at the end of the year. With the sanction of Government, an extension of time was granted to the contractors to carry out their contract.

90. *Tondiarpet Drainage—Sewer Laying.*—A length of about 3,000 feet of pipes was laid and 32 manholes constructed during the year, and this completed practically all the sewers required at present. During the year every sewer in Tondiarpet was thoroughly examined, cleaned, and any repairs found necessary were made. The sewers were handed over to the Engineer for maintenance on 1st May 1915. The house connections from the sewers up to and including the silt-catcher were completed and only the alterations to house drainage remain to be carried out to put them in use.

91. *Storage Tanks.*—On 19th May 1914 the Special Engineer submitted proposals (1) for the construction of storage tanks for the Ice House Road and Napier Park Pumping Stations and (2) for a gravitation main through Napier Park area, and these were approved by the Chief Engineer to Government.

92. *Georgetown Area.*—Investigations and surveys were made and levels taken in every street in the Georgetown area for the preparation of working drawings for sewer laying. The details have been worked out and all the drawings are now practically finished.

93. *Napier Park Area.*—Investigations, surveys, and levels required for the contract drawings for the Napier Park Pumping Station and the contract drawings for the construction of the gravitation main from Pycroft's Road to this Pumping Station were completed.

94. *Ice House Road Area.*—Contract and working drawings for the construction of the pumping station were completed. Construction will be commenced as soon as the land has been acquired. A number of the existing sewers in this area, which were laid with cement pipes, have collapsed. In cases where the sewers can be relaid in accordance with the Main Drainage Scheme, they are sanctioned for execution as part of the main drainage works. Where the sewers cannot be relaid in accordance with the Main Drainage Scheme, the Corporation Engineer carries out temporary repairs to keep them working until such time as the Drainage Scheme can be carried out in the area.

95. *Gravitation Main No. 5.*—Specification and Bills of Quantities were prepared for Gravitation Main No. 5. A portion of the gravitation main near the pumping station was being constructed departmentally. This sewer consists of 33-inch diameter cast-iron pipes supported on timber piles and strapped down by means of steel bands. This special construction is necessitated owing to the very bad nature of the sub-soil.

96. *Purasawakam Area.—Pumping Station.*—The construction of screening departmentally was well in hand.

The laying of the 36-inch-cast iron main south sewer was in progress.

97. *Stoneware Pipes.*—Messrs. Richardson and Cruddas to whom the contract for the supply of stoneware pipes to the value of Rs. 8,64,445 was awarded, stopped the delivery of pipes owing to the war, after the ninth shipment of pipes had been delivered. The Corporation have now agreed to bear the cost of extra

freight and insurance on the pipes urgently required and further shipments are expected before long.

Minor Drainage Works.

98. *Harbour Overflow Sewer.*—The construction of an intercepting sewer at a cost of about Rs. 96,000, was completed partly by piecework contract and partly by direct departmental labour. The cost of this sewer has exceeded the estimate, due to encountering the old harbour revetment which was constructed with large granite boulders and heavy masonry walls which had to be cut through.

99. *Temporary Sewage Pumping Station, Triplicane.*—This is intended temporarily to remove the nuisance in Chepauk from the Buckingham Canal. A temporary electric pumping plant costing Rs. 12,500 is to be installed to pump into the cast-iron main the sewage which now flows into the canal. Contracts have been let for the supply of sewage pumping plant and for the supply and erection of an overhead electric power line.

The overhead power line has been almost completed.

The engine house, screening and weir chambers with silt pits, &c., are in course of construction by direct labour.

New Sewage Farm.

100. On 30th August 1914, the Engineer submitted alternative estimates for the acquisition of land for the New Sewage Farm. Before considering them the Standing Committee wished to have estimates as to what it would cost to put the whole scheme connected with the New Sewage Farm into working order. The Special Engineer submitted an approximate estimate amounting to 12 lakhs of Rupees as detailed below :—

| | Rs. |
|--|-----------|
| Acquisition of land | 1,50,000 |
| Conduit to new farm, including land | 2,00,000 |
| Pumping Station, pumping plant stores and drivers' quarters | 3,00,000 |
| Masonry channel along farm | 2,13,000 |
| Levelling ground of proposed sewage farm | 1,50,000 |
| Distributing channel | 50,000 |
| | 10,63,000 |
| Add for supervision and contingencies | 1,37,000 |
| Total | 12,00,000 |

The preparation of detailed plans and estimates has been deferred pending the financing of the work.

Drainage Maintenance.

101. *Maintenance of Pumping Stations.*—All the sewage pumping stations except the D'Mellows Road Station were maintained in good order throughout the year. In the D'Mellows Road Station the engines have been overworked for many

years. At this station break downs were frequent. Arrangements were made with the Madras Electric Supply Corporation to instal an electric motor, but the motor proved unsatisfactory.

In addition to the eight old sewage pumping stations, four new stations were brought into use during the year. These are "A," "B," "C" Sewage Pumping Stations in Tondiarpet and the new Waterworks Pumping Station at Kilpauk.

Table No. 11 of Appendix II shows the cost of pumping at the different stations.

Drainage—(Ordinary).

New Works.

102. *House Drainage.*—During the year steps were taken to alter the house drains in Tondiarpet and connect them with the sewers according to the plans and rules set out in the Special Engineer's Drainage Reports, under the supervision of the Drainage Superintendent and his staff. Up to 31st, March 1915 the drainage of 237 houses was altered and the houses connected to the sewers. The cost is debited to the Special Drainage Works.

The expenditure on ordinary drainage works amounted to Rs. 10,858 against Rs. 17,960 in the Revised Estimate. The works included the construction of masonry drains in certain streets, the construction of manholes in seven streets in Mylapore where the sewers do not work satisfactorily, and the reconstruction of house connections in some places.

In Vasapmode Paracherri a storm water separator was constructed and the side drains were connected to the existing sewer. A 6-inch sewer was laid in Sattanna Naick Street, Choolai.

Repairs.

103. The repairs done to drains and their cost are shown in Appendix I, Statement IIA, Part II.

Sewer Cleaning.

The amount of work turned out during the year is as follows :—

| | |
|---|--------------------|
| Length of sewers cleaned | ... 4,12,468 feet. |
| Obstructions removed from sewers | ... 5,207 |
| Obstructions removed from syphons | 1,668 |
| Quantity of silt removed from manholes... | 1,09,254 c. ft. |

Owing to prolonged and heavy rains the sewers were in a surcharged state for months together, which prevented any cleaning being carried out. The number of cases of obstructions, therefore, increased and the sewers were silted up. These were cleaned by the employment of special gangs.

Water-Supply—(Ordinary).

104. *New Works* : The total expenditure under this head amounted to Rs. 11,430. Of this, Rs. 4,403 was spent on removing, cleaning and relaying or

replacing 16,741 feet of pipes and laying 3,112 feet of new mains in certain streets for extension of water-supply. Forty fountains were erected and 11 valves, 24 stop-cocks, 47 pumps, 2 hydrants and 29 meters fixed during the year. Table No. 12 of Appendix II shows the length of pipes laid.

Repairs.

105. (1) On the 1st of April 1914, the level of the Red Hills Lake stood at 42.11 and on the 31st March 1915 at 43.73. The level of the lake continued to be above the pumping level throughout the year. The rainfall and the average water level for each month are shown in Table 16, Appendix II. The quantity of water-supply measured at the Red Hills during 1914-15 was 606,987,108 cubic feet (equal to 3,782,743,657.056 gallons) as against 663,956,892 cubic feet in the previous year.

(2) *Delivery Channel, Fountains and Pipes.*—The cost of maintaining these including the establishment amounted to Rs. 56,306. There are now 1,413 fountains within the Municipal limits, 40 new fountains having been erected during the year.

(3) *Private Service.*—During the year 452 new services were laid by licensed plumbers and 2,412 existing services were repaired, altered and extended. The total number of house services laid up to the end of 1914-15 was 27,711. There were 34 licensed plumbers on 31st March 1915.

(4) The quantity of water charged for as having been used for non-domestic purposes was 185,723,169 gallons. The amount collected during the year was Rs. 1,46,585-11-11, as shown in detail in Table No. 17, Appendix II. The charge for water supplied for non-domestic purposes continued to be 12 annas per 1,000 gallons.

Miscellaneous.

New Works.

106. The expenditure under this head amounted to Rs. 1,99,749 against Rs. 2,38,420 in the Revised Estimate, and was incurred mostly on acquisitions of land for relief of congestion. The acquisition of land for opening out congested areas in Narasingapuram was completed and the major portion of the land required for opening out Suparigunta Paracherri was acquired.

Administration.

107. *Notices.*—1,543 notices were served under the various sections of the Municipal Act dealing with the construction or reconstruction of masonry buildings or huts, removal of encroachments and ruinous buildings, fencing of buildings or lands, and pruning of hedges and trees, wastage of water and contamination of water-supply, &c. In 1,381 cases the notices were complied with.

108. *Permits.*—2,989 permits were issued under sections 268 and 278 of the Municipal Act for the construction or reconstruction of masonry buildings huts, &c.

109. *Prosecutions.*—Magisterial proceedings were taken in 141 cases, as against 246 cases in the previous year. In 85 cases, the defaulters were convicted and fined ; in 14 cases, they were acquitted and in 29 cases they were withdrawn. Owing to the absence of the defaulters from Madras, the summonses could not be served in seven cases and six cases remained undisposed of. There was a great reduction in the number of prosecutions under sections 264 and 424, as the provisional and final orders issued under section 287 were in most cases complied with.

110. Provisional orders under section 287 (1) and (2) of the Municipal Act were issued in 708 cases against 513 cases in the previous year and in 440 of them final orders were issued under section 287 (3) as the parties failed to comply with them.

GRANT II—(Education.)

111. 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. 27,392-0-5 against Rs. 15,532-15-2 in the previous year, the increase being due the establishment of five new elementary schools at Mylapore, Nungambakkum, Korukupet, Goyatope and Thousand Lights and to the fact that the schools opened in 1913-14 worked throughout the year under report against only a few months in the previous year.

112. According to the scheme sanctioned in G. O. No. 820 M., dated 25th May 1911, 16 schools should have been constructed and 12 opened by the end of the year. Ten schools were actually completed and opened. The school at Nungambakkum was opened temporarily in a rented building ; a Model School building is almost now completed and the school will be transferred to it soon. Three other school buildings were in course of construction during the year, and contracts were let for the construction of two schools.

113. The total number of schools maintained by the Corporation at the end of the year was 12. There was 1,570 boys and 220 girls on the rolls of these schools on 31st March 1915 against 995 boys and 195 girls at the end of 1913-14. The statement of the Sub-Assistant Inspector of Schools that the indents for the purchase of apparatus and appliances for schools were not sanctioned for want of funds is incorrect. The indents were extravagant and were returned for revision. There were 64 teachers in the Corporation Schools besides 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, and most of them were professionally qualified. Those that were not qualified have been informed that they will not be confirmed until they qualify themselves completely.

114. Five teachers were under training during the year in the Government Training School, Saidapet, and four in the Government Training School, Triplicane. The total amount of stipends paid to these teachers was Rs. 798-11-8.

GRANT III—(Sanitation and Medical Services).**Hospitals and Dispensaries.**

115. *Royapettah Hospital.*—The expenditure on the maintenance of this Hospital fell from Rs. 48,968-4-3 to Rs. 44,202-0-6, but was in excess of the revised estimate by Rs. 1,002-0-0. The decrease when compared with the previous year was due to the fact that an operation table was purchased at a cost of Rs. 4,197-7-10 in the previous year. The total number of in-patients treated in this hospital rose from 2,287 to 2,580, but that of out-patients fell from 60,470 to 60,145, the decrease in the latter case being explained by the Surgeon to be due to decrease in the number of malaria cases treated.

116. *Raja Sir Ramaswamy Mudaliyar Maternity Hospital.*—The amount spent on this institution was Rs. 10,030-7-9 against Rs. 8,432-12-8 in the previous year and Rs. 8,720 in the revised estimate. The increase over the expenditure of last year was due to increased attendance and to the purchase of bedsteads. The number of in-patients rose from 1,082 to 1,269 and that of out-patients from 660 to 838.

117. *Georgetown Dispensary.*—The charges of this institution amounted to Rs. 11,004-3-0 against Rs. 10,271-8-10 in 1913-14 and Rs. 10,460-0-0 in the revised estimate, while the number of patients treated in it fell from 45,181 to 43,046. The increase in expenditure notwithstanding the fall in the number of patients was due to a rise in the prices of European medicines.

118. *Washermanpet Dispensary.*—The maintenance of this institution cost Rs. 5,514-2-4 against the estimate of Rs. 4,710-0-0, the increase appearing under medicines and supplies. The number of patients treated was 19,338.

119. *Bauliah Nayudu Dispensary.*—The expenditure amounted to Rs. 8,012-15-9 against Rs. 8,411-3-11 in the previous year and against Rs. 6,770-0-0 in the revised estimate. The increase as compared with the revised estimate was due to the purchase of a larger quantity of medicines, especially quinine. The number of patients treated rose from 52,703 to 54,579. The working of this institution was not satisfactory and the Sub-Assistant Surgeon in charge was transferred to the Georgetown Dispensary where he works under supervision.

120. *Chintadripet Dispensary.*—The outlay on the maintenance of this dispensary was Rs. 3,767-1-8 against Rs. 3,284-13-7 in the previous year and Rs. 3,860 in the revised estimate. The number of patients treated was 33,876 against 30,303 in the previous year.

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

Contributions.

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

123. *San Thome Dispensary.*—Besides the usual monthly contribution of Rs. 66-10-8 and the annual contribution of Rs. 300, a special grant of Rs. 500

was paid to this dispensary for equipment as the new Managing Committee reported that the institution was badly in need of surgical instruments and medicines. The number of patients treated was 10,412 against 10,774 in the previous year.

124. *St. Thomas' Convent Dispensary*.—A monthly grant of Rs. 20 was as usual paid to the dispensary. The number of patients treated rose from 7,300 to 11,377.

125. *Victoria Caste and Gosha Hospital*.—A contribution of Rs. 1,000 was paid to this hospital. The number of patients treated fell from 19,114 to 15,509, the decrease being ascribed by Major Elwes, C.I.E., I.M.S., to frequent changes in the *personnel* of the Superintendent due to unforeseen circumstances.

126. *Sri Kanyaka Parameswari Devasthanam Ayurvedic Dispensary, Georgetown, and Venkataramana Dispensary, Myslapore*.—Contributions amounting to Rs. 1,000 and Rs. 200 respectively were paid to these two institutions in the year under report for 1913-14 and 1914-15. The number of patients treated in the Sri Kanyaka Parameswari Devasthanam Dispensary was 25,727 and that in the Venkataramana Dispensary was 45,005 against 23,889 and 41,918 respectively in the previous year.

127. *Kalyani Hospital*.—A contribution of Rs. 600 for 1914-15 was paid to the institution during the year.

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

129. *Sembium Dispensary*.—A sum of Rs. 780 was as usual paid to the District Board of Chingleput, being the moiety of the charges for the upkeep of this dispensary.

130. *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.

131. *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.

Health Department.

132. With reference to G. O.'s No. 407-M., dated 6th March 1914 and No. 506-M., dated 11th March 1914, the Health Officer has submitted a separate report on the working of the Health Department and the statistics relating to that department have been omitted from the present report.

Anti-Malarial Operations.

133. The report of the Special Malaria Officer on the anti-malarial operations carried out during the year 1914 is printed in Appendix V.

Watering Roads.

134. Watering was discontinued in the case of the following roads, as they had been tarred :—

- (1) South Beach Road from Napier's Bridge to Pycrofts Road.
- (2) Mount Road from Blacker's Road to General Patter's Road.
- (3) General Patter's Road from Mount Road to Wood's Road.
- (4) Pantheon Road from College Bridge to Police Commissioner's Office Road.

The other roads were watered as usual.

GRANT IV—(Miscellaneous Municipal Purposes).**Lighting.**

135. The cost of the maintenance of lamps amounted to Rs. 70,921 as detailed below, against Rs. 70,634 in the previous year :—

| | 1913-14. | 1914-15. |
|----------------|---------------|---------------|
| | Rs. | Rs. |
| Kerosene lamps | 50,327 | 49,486 |
| Power lamps | 9,273 | 6,891 |
| Electric lamps | 11,034 | 14,544 |
| Total | 70,634 | 70,921 |

Of this Rs. 69,382 was paid to the contractors and Rs. 1,539 was spent on the maintenance of some of the electric lights departmentally. The total amount of fines imposed on the contractors for bad lighting was Rs. 4,106 against Rs. 1,457-13-0 in 1913-14.

The increase in the cost of electric lighting was due to the fixing of additional electric lights and to the extension of the lighting time from 2 to 3 A.M. This extension was sanctioned by the Corporation on 29th May 1914, as the Commissioner of Police reported that the absence of lighting between 2 and 3 A.M. facilitated the movement of criminals and rendered the work of the Police patrols very ineffective.

136. There were 5,602 kerosene oil lamps and 44 power lamps at the beginning of the year to which 32 kerosene oil lamps and one power lamp were added ; 364 kerosene oil lamps and six power lamps were removed during the year on account of the extension of electric lighting, leaving 5,270 kerosene oil lamps and 39 power lamps at the end of the year. There were 674 electric lights at the beginning of the year and 335 new lights were fixed during the year at the places mentioned in Appendix II, Table No. 18 A, raising the total number to 1,009. The lighting of the several lamps was inspected by three Lighting Inspectors as in previous years, and each lamp was inspected on an average 39 times during the year.

During the year cables were laid in the following places departmentally for the erection of electric lights :—

- (a) Gengu Reddi Road.
- (b) Nariangadu Model dwellings.
- (c) Atkinsons Road.
- (d) Junction of Hunters Road with Rundalls Road.
- (e) Sydenhams Road and Vepery High Road Junction.
- (f) Gosha Sahib Lane.

Avenues.

137. *Avenues* :—The actual number of avenue trees at the beginning of the year was 16,722 ; 1,336 trees were newly planted during the year and 87 trees fell down, leaving 17,971 at the end of the year, of which 2,491 trees required to be watered. The thanks of the Corporation are due to Mr. Houghton for his continued honorary services.

Public Parks.

138. *People's Park*:—(1) *Receipts*.—(a) The right to collect fees at the menagerie was leased for Rs. 567-15-11 per month or Rs. 6,815-15-0 for the year against Rs. 501-15-11 per mensem in the previous year. The whole of this sum was collected in addition to a penal interest of Rs. 24-5-4.

(b) The last instalment of Rs. 85 was paid in the year by the contractor to whom the right of plying pleasure boats in the lake near the Menagerie was sold for three years, from 1st April 1913.

(c) A sum of Rs. 40-2-0 was realized by lease of the productive trees in the People's Park.

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

- Goat's meat at $5\frac{2}{11}$ lbs. per rupee.
- Mutton at 6 lbs. per rupee.
- Beef at $9\frac{1}{2}$ lbs. per rupee.
- Kids at one anna each.
- Ducks at two annas each.

The total receipts of the Park, including the Government grant of Rs. 2,000 rose from Rs. 9,801-6-11 to Rs. 10,867-9-6 while the expenditure fell from Rs. 23,275-1-4 to Rs. 22,449-1-7.

(3) The saleable value of the live-stock is Rs. 13,000.

(4) The following animals were presented during the year :—2 leopard cubs by the Zamindar of Udaiyarpalayam, 1 tigress by the Zamindar of Pangidigudium.

(5) The following animals and birds were purchased during the year at a cost of Rs. 161-14-0.

- One tigress.
- One deer.

Two pairs of white doves.

One pair of rock doves.

(6) Eighty-four cows and 89 buffaloes were impounded during the year for grazing in the Park.

139. *Napier Park*.—(1) The right of grazing cattte was leased for Rs. 60, and the lease of the productive trees brought in an income of Rs. 26. The total income from this Park including that from the sale of withered trees, amounted to Rs. 135-1-10 while its maintenance cost the Corporation Rs. 1,422-9-1.

(2) 143 heads of cattle were impounded during the year for grazing in this park without permission.

140. *Robinson Park*.—The receipts and charges of this Park, amounted to Rs. 255-15-0 and Rs. 5,124-4-0, respectively, against Rs. 278-14-0 and Rs. 5,102-14-7 in the previous year.

141. *Loane Square*.—This continues to be very popular as a recreation ground. The cost of its upkeep was Rs. 1,778-8-7 against Rs. 1,567-3-11 in the previous year.

142. The details of the receipts and charges of the above four Parks appear in Appendix II, Tables 20 to 23.

143. 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 Loane Square, and twice a month in the High Court compound.

The band of the Royal Dublin Fusiliers gave twenty performances in the Marina in the beginning of the year.

Fire.

144. The total cost of the maintenance of the motor, steam, and manual fire engines was Rs. 11,293 against Rs. 10,545 in the previous year.

There were 32 fires during the year, for which these engines were requisitioned as against 21 in the previous year. Of these in only 18 cases the engines worked actually; in the remaining 14 cases, the parties themselves put out the fires before the arrival of the engines. The engines continued to be worked by the City Police and regular drills were given to men engaged in the fire brigade.

The scheme for the re-organization of the fire brigade outlined in paragraph 154 of the previous year's report was sanctioned in G. O. No. 1425, Judicial, dated 24th June 1914.

The motor fire engine purchased in 1912 having proved very useful, it was proposed to replace the old worn out steam fire engines by two new motor fire engines, and the tender of Messrs. Best & Co., for the supply of two Merryweather petrol motor "Hatfield" fire engines for Rs. 37,587, was accepted by the Corporation on 16th June 1914. Owing to the war, the engines could not be supplied within the year, but they have arrived in the current year.

GRANT V—(Supervision and Management).

145. The expenditure under this head, amounted to Rs. 1,89,649-14-11 and was 4.57 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 collection amounted to Rs. 91,415-6-10 or 2.20 per cent. of the total receipts.

Repayment of Debt.

146. 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. 22,49,100 in Government Promissory Notes and Madras Municipal debentures and Rs. 8,270-12-9 in cash. During the year under report an allotment of Rs. 93,740 was made to this fund from the general revenues and a sum of Rs. 35,596-7-7 was derived as interest on prior investments made to the fund. The total receipts of the year amounted to Rs. 1,37,607-4-4. Out of this sum Government Promissory Notes and Madras Municipal debentures of the face value of Rs. 1,19,600 were purchased at a cost of Rs. 1,23,815-1-8 and Rs. 7,000 of the balance of the Georgetown Drainage Loan of 1883 were repaid during the year. The aggregate investments at the close of the year to the credit of this fund stood at Rs. 23,68,700 in Government Promissory Notes and Madras Municipal debentures with a cash balance of Rs. 6,792-2-8. Payments amounting to Rs. 92,069-3-2 were also made during the year towards the Government instalment loans. Out of these payments, a sum of Rs. 35,887-8-4 was appropriated by the Accountant-General towards the repayment of the loans and Rs. 56,181-10-10 towards the interest.

Refund of other than Current Collections.

147. The total amount refunded during the year was Rs. 65,640-3-0 against an estimate of Rs. 60,000. The details of the refund are given in Appendix I, Table No. 4.

No. II. Account.

148. 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, &c., opened with a balance of Rs. 13,41,269-7-2. The receipts during the year amounted to Rs. 12,42,501-4-1 and the expenditure to Rs. 12,10,169-13-7, leaving a balance of Rs. 13,73,600-13-8 at the close of the year.

Workshop.

149. The total value of works turned out in Workshops during the year under report was Rs. 1,32,220-10-9 (*vide* Appendix II Table No. 24) against Rs. 1,06,694-7-2 in 1913-14. The amount earned in the shape of supervision charges, &c., was Rs. 19,816-5-7 against Rs. 16,532-3-11 in 1913-1914.

The expenditure on account of wages of maistries and contingent charges amounted to Rs. 7,566-8-7 or 5.72 per cent. on the value of the works turned out against 7.43 per cent. in the previous year. The cost of establishment including allowances, amounted to Rs. 11,492-6-3. The total receipts exceeded the expenditure by Rs. 757-6-9.

CORPORATION OF MADRAS, }
12th August, 1915. }

J. CHARTRES MOLONY,

President.

STATEMENT I.—Revenues and Receipts of the Municipal Fund of the City of Madras during the Official Year 1914-15.

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | | Revised Estimate for 1914-15. | | Actuals, 1913-14. | | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. |
|--|-------------------------|------------------------|------------------------------|---------------|-------------------------------|-------|-------------------|-------|--|
| | Details of Minor Heads. | Totals of Major Heads. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| I.—CAPITAL ACCOUNT— | | | | | | | | | |
| 1. Opening Balance— | | | | | | | | | |
| (a) General Fund | 37,475 1 7 | | 68,050 0 0 | 37,480 0 0 | 5,415 5 8 | | | | |
| (b) Water and Drainage Fund | 9,13,220 8 3 | | 8,26,730 0 0 | 9,13,230 0 0 | 16,40,894 15 8 | | | | |
| (c) Lighting Fund | —31,526 11 1 | | ... | —31,530 0 ... | ... | | | | |
| Total ... | ... | 9,19,068 14 9 | 9,04,780 0 0 | 9,19,070 0 0 | 16,46,310 5 4 | | | | |
| 3. Revenue derived from Municipal property and powers apart from taxation— | | | | | | | | | |
| (a) Interest on Investments | ... | 55,030 0 5 | 50,000 0 0 | 54,930 0 0 | 73,145 5 4 | | | | |
| 4. Grants and Contributions— | | | | | | | | | |
| (a) From Government— | | | | | | | | | |
| i Improvement of Water-supply and Drainage | ... | 5,00,000 0 0 | 5,00,000 0 0 | 5,00,000 0 0 | 12,50,000 0 0 | | | | |
| 6. Extraordinary and Debt— | | | | | | | | | |
| (a) Loan— | | | | | | | | | |
| i. From Government | ... | ... | 7,00,000 0 0 | ... | ... | | | | |
| ii. In the market from private individuals | 5,50,000 0 0 | ... | 7,85,000 0 0 | 5,50,000 0 0 | 3,42,000 0 0 | | | | |
| Total ... | ... | 5,50,000 0 0 | 14,85,000 0 0 | 5,50,000 0 0 | 3,42,000 0 0 | | | | |
| Advances recovered— | | | | | | | | | |
| i. Permanent | ... | ... | ... | ... | ... | | | | |
| ii. Other | 1,811 12 4 | ... | ... | 1,810 0 0 | 510 11 1 | | | | |
| Total ... | ... | 1,811 12 4 | ... | 1,810 0 0 | 510 11 1 | | | | |
| Transferred from Revenue Account | | | | | | | | | |
| Total, Capital Account ... | ... | 20,25,910 11 6 | 20,25,910 11 6 | 20,25,810 0 0 | 33,11,966 5 9 | | | | |
| II.—REVENUE ACCOUNT— | | | | | | | | | |
| 1. Opening Balance— | | | | | | | | | |
| (a) General Fund | 8,19,939 5 1 | | 3,56,290 0 0 | 8,19,940 0 0 | 5,95,958 11 5 | | | | |
| (b) Water and Drainage Fund | ... | ... | 8,530 0 0 | ... | ... | | | | |
| (c) Lighting Fund | 14,186 14 9 | | ... | 14,190 0 0 | ... | | | | |
| Total ... | ... | 8,34,126 3 10 | 3,64,820 0 0 | 8,34,130 0 0 | 5,95,958 11 5 | | | | |

STATEMENT I.—Revenues and Receipts of the Municipal Fund of the City of Madras during the Official Year 1914-15 —(Concluded).

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | | Revised Estimate for 1914-15. | | Actuals, 1913-14. | | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. |
|--|-------------------|---------------|------------------------------|--------------|-------------------------------|-------|-------------------|-------|--|
| | Totals of | | Totals of | | Totals of | | Totals of | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | A. P. | |
| 1 | | | | | | | | | |
| Brought forward ... | | 28,57,776 5 | | | | | | | |
| 3. Revenue derived from Municipal property and powers apart from Taxation—(Concluded) ... | 1,61,380 15 11 | | 1,50,000 0 0 | 1,55,200 0 0 | 2,51,402 13 3 | | | | |
| ii. Income from Slaughter houses (Sec. 331) and Slaughter of Animals for food (Sec. 334) ... | 80,197 10 11 | | 82,000 0 0 | 82,000 0 0 | 83,266 12 1 | | | | |
| iii. Income from Dhobykhana ... | 549 8 0 | | ... | 300 0 0 | ... | | | | |
| iv. Income from Lethal Chamber ... | 622 15 0 | | 600 0 0 | 630 0 0 | 707 10 1 | | | | |
| (f) Other Fees— | | | | | | | | | |
| i. Import of Timber and Firewood (Sec. 327) ... | 1,31,479 3 2 | | 1,88,000 0 0 | 1,15,000 0 0 | 1,74,959 12 8 | | | | |
| ii. Private Markets (Sec. 344) ... | 3,700 0 0 | | 3,700 0 0 | 3,650 0 0 | 3,750 0 0 | | | | |
| iii. Licenses, Registration, &c. ... | 65,181 4 0 | | 64,000 0 0 | 64,000 0 0 | 64,883 4 0 | | | | |
| iv. Fees for furnishing extracts of births and deaths ... | 595 12 0 | | 400 0 0 | 650 0 0 | 520 0 0 | | | | |
| v. Cart-stand Fees ... | 729 0 0 | | 720 0 0 | 680 0 0 | 735 0 0 | | | | |
| vi. School Fees ... | 970 10 0 | | 2,280 0 0 | 1,000 0 0 | 588 6 8 | | | | |
| vii. Distraint Fees ... | 110 14 5 | | 300 0 0 | 150 0 0 | 160 5 7 | | | | |
| (g) Fines under Municipal and other Acts— | | | | | | | | | |
| i. Municipal ... | 5,615 3 6 | | 3,500 0 0 | 5,200 0 0 | 3,847 10 10 | | | | |
| ii. Police ... | ... | | ... | ... | ... | | | | |
| (h) Interest on Investments— | | | | | | | | | |
| Medical ... | 932 14 7 | | 1,870 0 0 | 1,870 0 0 | 1,865 13 2 | | | | |
| General ... | 18,412 11 6 | | 11,000 0 0 | 15,800 0 0 | 14,718 9 6 | | | | |
| (i) Premium on Loans ... | ... | | ... | ... | ... | | | | |
| Total ... | | 4,70,469 11 1 | 5,08,970 0 0 | 4,46,090 0 0 | 6,02,106 2 10 | | | | |
| 4. Grants and Contributions— | | | | | | | | | |
| (a) From Government— | | | | | | | | | |
| i. Roads ... | 20,000 0 0 | | 20,000 0 0 | 20,000 0 0 | 20,000 0 0 | | | | |
| ii. Repairing structures of bridges over the Cooum and over the Buckingham Canal ... | 4,443 0 0 | | 4,440 0 0 | 4,440 0 0 | 4,443 0 0 | | | | |

| III. Other purposes— | | | | | | | | | |
|---|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
| (1) Compensation for Tax on pieces used for sale of Spirituous & Intoxicating Liquors | 13,607 0 0 | 13,610 0 0 | 13,610 0 0 | 13,610 0 0 | 13,610 0 0 | 13,610 0 0 | 13,610 0 0 | 13,610 0 0 | 13,607 0 0 |
| (2) Zoological Collection in People's Park | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 | 2,000 0 0 |
| (4) Raja Sir S. Ramasamy Mudalliar Lying-in-Hospital | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 | 300 0 0 |
| (5) For Malaria investigation | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 | 3,00,000 0 0 |
| (6) For construction of bear pits and aviary in People's Park | ... | ... | ... | ... | ... | ... | ... | ... | 15,000 0 0 |
| (7) For sanitary works | ... | ... | ... | ... | ... | ... | ... | ... | 1,73,000 0 0 |
| (8) For acquisition of lands for sewage farm | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 | 1,25,000 0 0 |
| (9) For construction of model cow-houses | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 | 50,000 0 0 |
| Total | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 5,15,350 0 0 | 3,28,350 0 0 |
| 5. Miscellaneous— | | | | | | | | | |
| (a) Payment for water for non-domestic purposes | 1,46,585 11 11 | 1,40,000 0 0 | 1,40,000 0 0 | 1,40,000 0 0 | 1,40,000 0 0 | 1,40,000 0 0 | 1,40,000 0 0 | 1,40,000 0 0 | 1,34,908 6 8 |
| (b) Sundry Receipts—Waterworks | 4,500 0 0 | 3,000 0 0 | 3,000 0 0 | 3,000 0 0 | 3,000 0 0 | 3,000 0 0 | 3,000 0 0 | 3,000 0 0 | 4,500 0 0 |
| (c) Sale of Lymph | 217 4 0 | 50 0 0 | 50 0 0 | 50 0 0 | 50 0 0 | 50 0 0 | 50 0 0 | 50 0 0 | 82 0 0 |
| (d) Refund from expenditure of previous year | 6,159 6 6 | 1,000 0 0 | 1,000 0 0 | 1,000 0 0 | 1,000 0 0 | 1,000 0 0 | 1,000 0 0 | 1,000 0 0 | 1,901 11 7 |
| (e) Workshop receipts | 19,816 5 7 | 19,400 0 0 | 19,400 0 0 | 19,400 0 0 | 19,400 0 0 | 19,400 0 0 | 19,400 0 0 | 19,400 0 0 | 16,582 8 11 |
| (f) Suspense | ... | ... | ... | ... | ... | ... | ... | ... | 1,097 7 0 |
| (g) Other Items | 37,700 1 11 | 10,000 0 0 | 10,000 0 0 | 10,000 0 0 | 10,000 0 0 | 10,000 0 0 | 10,000 0 0 | 10,000 0 0 | 17,502 11 3 |
| Total | ... | 2,14,978 13 11 | 1,48,450 0 0 | 1,48,450 0 0 | 1,48,450 0 0 | 1,48,450 0 0 | 1,48,450 0 0 | 1,48,450 0 0 | 1,76,584 8 5 |
| 6. Extraordinary and Debt— | | | | | | | | | |
| (c) Realization of Sinking Fund—Interest on Waterworks Loan of 1869-73 | ... | 45,487 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 44,337 2 5 |
| Total | ... | 45,487 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 45,500 0 0 | 44,337 2 5 |
| Advances recovered— | | | | | | | | | |
| i. Permanent | 135 0 0 | ... | ... | ... | ... | ... | ... | ... | 70 0 0 |
| ii. Others | 41,320 10 8 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 12,005 6 0 |
| Total | ... | 41,461 10 8 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 5,000 0 0 | 12,026 6 0 |
| Total Revenue Account | | | | | | | | | |
| | ... | 41,45,523 8 | 8,33,20,640 0 | 0,41,39,070 0 | 0,41,39,070 0 | 0,41,39,070 0 | 0,41,39,070 0 | 0,41,39,070 0 | 0,36,00,782 12 7 |
| Grand Total | | | | | | | | | |
| | ... | 61,71,434 4 | 2,62,60,420 0 | 0,61,59,160 0 | 0,61,59,160 0 | 0,61,59,160 0 | 0,61,59,160 0 | 0,61,59,160 0 | 0,69,12,749 2 4 |

The increase was due to a larger income from sale of super-structures on lands acquired by the Corporation. This item includes a revenue of Rs. 490-14-10 from produce of avenue trees and Rs. 1,276-13-3 from sale of avenue clippings.

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official Year 1914-15.

| Items. | Actuals, 1914-15. | | | | | | Budget Estimate for 1914-15. | Revised Estimate for 1914-15. | | Actuals, 1913-14. | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. |
|--|-------------------------|-------|------------------------|-------|-------------|-------|------------------------------|-------------------------------|-----------|-------------------|---|
| | Details of Minor Heads. | | Totals of Major Heads. | | | | | ES. | A. P. | | |
| | ES. | A. P. | ES. | A. P. | ES. | A. P. | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | |
| I. CAPITAL ACCOUNT— | | | | | | | | | | | |
| GRANT I.—(Public Works)— | | | | | | | | | | | |
| 1. New Works— | | | | | | | | | | | |
| (a) Buildings | 1,88,263 | 5 4 | 6,01,180 | 0 0 | 3,00,130 | 0 0 | 3,09,940 | 4 1 | 3,09,940 | 4 1 | } <i>Vide para. 66 of the report.</i> } Estimated and actual expenditure agree very closely considering the uncertainty caused by the war. |
| (b) Drainage | 2,31,654 | 6 3 | 7,84,000 | 0 0 | 2,17,320 | 0 0 | 2,52,902 | 11 8 | 2,52,902 | 11 8 | |
| (c) Water-supply | 5,78,820 | 8 11 | 10,56,000 | 0 0 | 5,38,000 | 0 0 | 10,78,243 | 15 7 | 10,78,243 | 15 7 | |
| Total ... | ... | ... | 9,38,138 | 4 6 | 24,41,180 | 0 0 | 10,55,450 | 0 0 | 2,41,10 | 56 15 4 | |
| 3. Establishment— | | | | | | | | | | | |
| i. Drainage | 69,355 | 14 9 | 1,55,050 | 0 0 | 1,09,890 | 0 0 | 64,533 | 8 11 | 64,533 | 8 11 | } Decrease due to non-entertainment of a portion of the sanctioned staff. |
| ii. Water-supply | 56,222 | 7 4 | 71,020 | 0 0 | 66,800 | 0 0 | 48,652 | 7 1 | 48,652 | 7 1 | |
| iii. Allowances | 4,647 | 13 7 | 5,980 | 0 0 | 5,700 | 0 0 | 4,200 | 1 3 | 4,200 | 1 3 | |
| Total ... | ... | ... | 1,30,227 | 3 8 | 2,42,350 | 0 0 | 1,82,330 | 0 0 | 1,17,386 | 1 3 | |
| Total Grant I ... | ... | ... | 11,28,365 | 8 2 | ... | ... | 12,37,780 | 0 0 | 23,58,443 | 0 7 | |
| GRANT IV.—Miscellaneous Municipal Purposes— | | | | | | | | | | | |
| 1. Lighting— | | | | | | | | | | | |
| Additional Lamps | ... | ... | 61,691 | 10 7 | 2,50,000 | 0 0 | 1,30,000 | 0 0 | 31,626 | 11 1 | |
| Advances Recoverable— | 500 | 0 0 | ... | ... | 500 | 0 0 | 1,000 | 0 0 | 1,000 | 0 0 | |
| i. Permanent | 33,504 | 10 6 | ... | ... | 11,000 | 0 0 | 1,827 | 11 4 | 1,827 | 11 4 | |
| ii. Others | ... | ... | 34,004 | 10 6 | ... | ... | 11,000 | 0 0 | 2,827 | 11 4 | |
| Total ... | ... | ... | 12,24,061 | 11 3 | 2,24,33,590 | 0 0 | 13,79,280 | 0 0 | 23,92,897 | 7 0 | |
| Total Capital Account ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| II. REVENUE ACCOUNT— | | | | | | | | | | | |
| GRANT I.—(Public Works)— | | | | | | | | | | | |
| 1. New Works— | | | | | | | | | | | |
| (a) Communications | 44,716 | 5 0 | ... | ... | 60,560 | 0 0 | 96,380 | 0 0 | 48,737 | 6 9 | } Decrease due to some of the acquisitions not having been completed and to some of the proposals having been withdrawn. |

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official Year 1914-15—(Continued).

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | | Revised Estimate for 1914-15. | | Actuals, 1913-14. | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. |
|--|-------------------|--------------|------------------------------|------------|-------------------------------|--------------|-------------------|--|
| | Totals of | | A. P. | | ES. | | | |
| | Minor Heads. | Major Heads. | ES. | A. P. | ES. | A. P. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| GRANT I.—(Concluded). | | | | | | | | |
| 5. Miscellaneous—(Continued). | | | | | | | | |
| Brought forward ... | ... | ... | ... | ... | ... | ... | ... | |
| (d) Law Charges and Stamp Duties | 7,402 7 0 | ... | ... | 9,520 0 0 | 9,740 0 0 | 8,843 11 2 | ... | |
| (e) Office Furniture | 1,875 18 9 | ... | ... | 1,000 0 0 | 1,450 0 0 | 1,283 4 6 | ... | |
| (f) Contingent | 1,289 7 0 | ... | ... | 2,000 0 0 | 2,000 0 0 | 1,008 14 2 | ... | |
| (g) Waterworks Contingent | 1,839 15 2 | ... | ... | 1,600 0 0 | 1,600 0 0 | 1,465 12 6 | ... | |
| (h) Labour-Punkah | 1,007 5 1 | ... | ... | 1,200 0 0 | 1,380 0 0 | 1,027 11 0 | ... | |
| (i) Clothing for Peons and Badges for Road Coolies | 7 0 0 | ... | ... | ... | ... | 47 8 8 | ... | |
| (j) Inspection of dangerous Buildings | 2,070 14 4 | ... | ... | 2,000 0 0 | 2,500 0 0 | 1,662 4 11 | ... | |
| Total ... | 10 4 10 | ... | ... | 100 0 0 | 50 0 0 | 7 9 0 | ... | |
| Total, Grant I ... | ... | 15,593 3 2 | ... | 17,420 0 0 | 18,730 0 0 | 15,346 11 11 | ... | Savings. |
| GRANT II.—(Education)— | | | | | | | | |
| 1. Municipal Schools— | | | | | | | | |
| (a) Establishment | 15,244 7 2 | ... | ... | 18,410 0 0 | 16,380 0 0 | 8,578 2 11 | ... | |
| (b) Allowances | 539 4 7 | ... | ... | 510 0 0 | 540 0 0 | 514 10 8 | ... | |
| (c) Other Expenses | 10,809 9 0 | ... | ... | 10,650 0 0 | 10,960 0 0 | 5,239 3 11 | ... | |
| Total ... | ... | 26,593 4 9 | ... | 29,570 0 0 | 27,880 0 0 | 14,332 1 1 | ... | Savings due to opening of new schools late in the year. |
| 2. Miscellaneous— | | | | | | | | |
| (a) Teachers' Training Grants | 798 11 8 | ... | ... | 1,200 0 0 | 1,200 0 0 | 1,000 14 1 | ... | Savings. |
| (b) Contributions to Madras Teachers' Guild | ... | ... | ... | 200 0 0 | 250 0 0 | 200 0 0 | ... | |
| Total ... | ... | 798 11 8 | ... | 1,400 0 0 | 1,450 0 0 | 1,200 14 1 | ... | |
| Total, Grant II ... | ... | 27,392 0 5 | ... | 31,000 0 0 | 29,330 0 0 | 15,532 15 2 | ... | |
| GRANT III.—(Sanitation and Medical Services)— | | | | | | | | |
| 1. Hospitals and Dispensaries— | | | | | | | | |
| Royapettah Hospital— | | | | | | | | |
| (a) Establishment | 11,477 9 9 | ... | ... | 13,310 0 0 | 12,640 0 0 | 11,891 3 31 | ... | Decrease due to non-employment of European nurses. |
| (b) Allowances | 183 0 0 | ... | ... | 240 0 0 | 240 0 0 | 240 0 0 | ... | |
| (c) Medicines and supplies | 24,363 5 3 | ... | ... | 22,000 0 0 | 22,000 0 0 | 29,263 3 6 | ... | Increase due to rise in the price of European medicines. |
| (d) Diets of Patients | 8,208 1 6 | ... | ... | 9,000 0 0 | 8,320 0 0 | 7,573 12 10 | ... | |

| | 4,980 14 3 | 4,790 0 0 | 4,480 0 0 | 4,077 11 2 | 2 Savings. |
|---|------------|----------------|---------------|----------------|--|
| ii. George Town Dispensary— | ... | ... | ... | 126 11 0 | |
| (a) Establishment | ... | ... | ... | 5,467 2 8 | |
| (b) Allowances | 6,643 4 9 | 6,000 0 0 | 6,000 0 0 | ... | |
| (c) Medicines and supplies | ... | ... | ... | ... | Increase due to rise in the price of European medicines. |
| iii. Badiah Naida Dispensary— | ... | ... | ... | ... | |
| (a) Establishment | 3,123 4 1 | 2,730 0 0 | 3,170 0 0 | 3,052 10 3 | |
| (b) Allowances | 44 6 0 | ... | 80 0 0 | ... | |
| (c) Medicines and supplies | 4,845 5 8 | 3,570 0 0 | 3,570 0 0 | 5,358 9 8 | |
| iv. Chintadripet Dispensary— | ... | ... | ... | ... | |
| (a) Establishment | 2,054 9 8 | 2,020 0 0 | 2,060 0 0 | 2,081 1 4 | |
| (b) Medicines and supplies | 1,712 8 0 | 1,800 0 0 | 1,800 0 0 | 1,203 12 3 | |
| v. Raja Sir S. Ramanammy Madalar Lying-in-Hospital— | ... | ... | ... | ... | |
| (a) Establishment | 2,903 6 4 | 2,470 0 0 | 2,900 0 0 | 2,605 3 7 | |
| (b) Allowances | 120 0 0 | 120 0 0 | 120 0 0 | 55 0 0 | |
| (c) Medicines and supplies | 7,007 1 5 | 5,000 0 0 | 5,700 0 0 | 5,772 9 1 | Do. |
| vi. Washermanpet Dispensary— | ... | ... | ... | ... | |
| (a) establishment | 1,823 1 2 | 2,200 0 0 | 1,930 0 0 | 778 8 2 | |
| (c) Medicines and supplies | 3,691 1 2 | 2,080 0 0 | 2,780 0 0 | 1,415 0 10 | Do. |
| Total | ... | 82,530 15 0 | 77,720 0 0 | 81,562 4 3 | |
| 2. (a) Contribution to Provincial Funds— | ... | ... | ... | ... | |
| Hospitals | 20,000 0 0 | 20,000 0 0 | 20,000 0 0 | 20,000 0 0 | |
| (b) Contribution for St. Thomé Dispensary | 1,600 0 0 | 1,100 0 0 | 1,600 0 0 | 1,100 0 0 | |
| (c) Do. | 240 0 0 | 240 0 0 | 240 0 0 | 240 0 0 | |
| (d) Do. | ... | ... | ... | ... | |
| (e) Do. | 1,000 0 0 | 2,000 0 0 | 1,000 0 0 | 2,000 0 0 | |
| (f) Do. | 780 0 0 | 780 0 0 | 780 0 0 | 780 0 0 | |
| (g) Do. | 69 7 6 | 70 0 0 | 70 0 0 | ... | |
| (h) Do. | 1,500 0 0 | 1,500 0 0 | 1,500 0 0 | 1,500 0 0 | |
| (i) Do. | 250 0 0 | 250 0 0 | 250 0 0 | 250 0 0 | |
| (j) Do. | 600 0 0 | 600 0 0 | 600 0 0 | 1,200 3 0 | |
| (k) Do. | 1,000 0 0 | 600 0 0 | 1,200 0 0 | 500 0 0 | |
| (l) Do. | 200 0 0 | ... | ... | 100 0 0 | |
| Total | ... | 27,239 7 6 | 27,240 0 0 | 27,670 0 0 | Savings. |
| 3. Vaccination— | ... | ... | ... | ... | |
| (a) Establishment | 11,579 5 1 | 11,300 0 0 | 11,630 0 0 | 11,014 0 4 | |
| (b) Allowances | 9 8 6 | 30 0 0 | 10 0 0 | 153 5 10 | |
| (c) Contingencies | 2,819 0 3 | 2,500 0 0 | 2,550 0 0 | 3,016 13 8 | Increase due to unforeseen miscellaneous charges. |
| Total | ... | 14,407 13 10 | 14,190 0 0 | 14,184 3 10 | |
| Carried over | ... | 1,24,178 4 4 | 1,19,150 0 0 | 1,28,416 8 1 | |
| ... | ... | 11,53,795 10 2 | 14,41,110 0 0 | 10,85,108 2 10 | |

| | 2,490 | 3 1 | 17,148 | 1 8 | 19,997 | 2 6 | ... | 7,13,719 | 5 5 | 7,81,420 | 0 0 | 7,19,010 | 0 0 | 4,72,376 | 4 5 | 2,320 | 5 11 | Increase due to famine bath Savings. |
|--|--------|-------|--------|------|--------|------|-----|-----------|------|-------------|-----|-----------|-----|-----------|------|-------|------|---|
| (p) Road Watering— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Do. |
| Establishment | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (q) Tools and Plant | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6. Miscellaneous— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (a) Stationery | 2,064 | 11 6 | 1,637 | 8 9 | 370 | 7 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (b) Printing Charges | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (c) Advertising Charges | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (d) Law Charges and Stamp Duties | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (e) Office Furniture | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (f) Labor—Punkah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (g) Clothing, Badges and Belts | 1,447 | 5 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (h) Extra Staff | 40 | 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | 6,522 | 3 6 | 6,040 | 0 0 | 8,100 | 0 0 | 5,421 | 7 4 | ... | ... | Savings. |
| Total, Grant III... | ... | ... | ... | ... | ... | ... | ... | 8,64,135 | 5 11 | 9,25,760 | 0 0 | 8,64,760 | 0 0 | 6,17,886 | 4 3 | ... | ... | ... |
| GRANT IV.—(Miscellaneous Municipal Purposes.) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1. Lighting— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 1,112 | 12 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Allowance | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labor | 578 | 6 2 | 5,469 | 11 7 | 70,921 | 11 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Maintenance | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Additional Lamps and Sundries | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Repairs to Lamps and Posts | 3,040 | 3 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | 81,685 | 3 11 | 82,790 | 0 0 | 88,490 | 0 0 | 81,215 | 0 9 | ... | ... | Decrease due to the allowances to one of the Assistant Engineers for supervising the electric lights having been debited to allowances. |
| 2. Markets and Slaughter-houses— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (a) Smithfield Market— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 599 | 3 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labor and Contingencies | 439 | 11 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (b) Moore Market— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 2,257 | 3 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labor and Contingencies | 6,393 | 5 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (c) Slaughter-houses— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 3,259 | 13 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Labor and Contingencies | 15,614 | 8 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | 28,568 | 9 8 | 28,340 | 0 0 | 28,280 | 0 0 | 31,578 | 12 3 | ... | ... | ... |
| Carried over | ... | ... | ... | ... | ... | ... | ... | 1,10,248 | 13 7 | 1,11,130 | 0 0 | 1,16,770 | 0 0 | 1,12,788 | 13 0 | ... | ... | ... |
| | ... | ... | ... | ... | ... | ... | ... | 20,17,931 | 0 | 1,21,86,040 | 0 0 | 23,04,870 | 0 0 | 17,02,364 | 7 1 | ... | ... | ... |

Decrease due to the allowances to one of the Assistant Engineers for supervising the electric lights having been debited to allowances.

Vide explanation supra.

Savings.

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1914-15—(Continued).

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | | Revised Estimate for 1914-15. | | Actuals, 1913-14. | | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. | | |
|--------------------|------------------------|-----|------------------------------|-----|-------------------------------|-----|------------------------|-----|--|-----|-----|
| | Totals of Major Heads. | | Totals of Major Heads. | | Totals of Major Heads. | | Totals of Major Heads. | | | | |
| | RS. | P. | RS. | P. | RS. | P. | RS. | P. | | | |
| Brought forward | ... | ... | 20,17,931 | 1 | 21,86,040 | 0 | 23,01,870 | 0 | 17,02,994 | 7 | 1 |
| 8. Avenues — | ... | ... | 1,10,248 | 7 | 1,11,113 | 0 | 1,16,770 | 0 | 1,12,788 | 13 | 0 |
| Establishment | 724 | 0 | ... | ... | 970 | 0 | 990 | 0 | 313 | 14 | 11 |
| Allowance | 452 | 6 | ... | ... | 480 | 0 | 510 | 0 | 326 | 2 | 1 |
| Labor | 6,668 | 10 | ... | ... | 9,000 | 0 | 8,000 | 0 | 5,207 | 15 | 1 |
| Tools and Plant | 156 | 2 | ... | ... | 500 | 0 | 200 | 0 | 215 | 7 | 6 |
| Total | ... | ... | 7,969 | 4 | 10,950 | 0 | 9,700 | 0 | 6,083 | 7 | 7 |
| 4. Public Parks— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (a) People's Park— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 4,594 | 3 | ... | ... | 4,250 | 0 | 4,710 | 0 | 4,399 | 0 | 4 |
| Allowance | ... | ... | ... | ... | 20 | 0 | 20 | 0 | 65 | 2 | 0 |
| Labor, &c. | 17,825 | 12 | ... | ... | 20,500 | 0 | 21,380 | 0 | 18,769 | 11 | 1 |
| Tools and Plant | 29 | 1 | ... | ... | 50 | 0 | 50 | 0 | 41 | 3 | 1 |
| (b) Napier Park— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 572 | 10 | ... | ... | 520 | 0 | 560 | 0 | 565 | 9 | 5 |
| Allowances | 120 | 0 | ... | ... | 120 | 0 | 120 | 0 | 120 | 0 | 0 |
| Labor, &c. | 729 | 14 | ... | ... | 750 | 0 | 740 | 0 | 649 | 15 | 9 |
| Tools and Plant | ... | ... | ... | ... | 10 | 0 | 10 | 0 | ... | ... | ... |
| (c) Robinson Park— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | 1,029 | 6 | ... | ... | 1,000 | 0 | 1,030 | 0 | 1,082 | 13 | 4 |
| Labor, &c. | 4,093 | 8 | ... | ... | 5,230 | 0 | 5,230 | 0 | 4,050 | 13 | 4 |
| Tools and Plant | 1 | 5 | ... | ... | 30 | 0 | 30 | 0 | 20 | 1 | 3 |
| (d) Leane Square— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Allowances | 60 | 0 | ... | ... | 60 | 0 | 60 | 0 | 60 | 0 | 0 |
| Labor, &c. | 1,718 | 7 | ... | ... | 1,670 | 0 | 1,670 | 0 | 1,507 | 3 | 11 |
| Tools and Plant | ... | ... | ... | ... | 10 | 0 | 10 | 0 | ... | ... | ... |
| Total | ... | ... | 30,774 | 7 | 34,220 | 0 | 35,620 | 0 | 31,280 | 13 | 0 |
| 5. Survey of Land | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6. Fire— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Establishment | ... | ... | 14,895 | 7 | 12,560 | 0 | 14,700 | 0 | 12,288 | 8 | 1 |
| Labor, &c. | 3,269 | 6 | ... | ... | 4,130 | 0 | 3,750 | 0 | 5,759 | 7 | 10 |
| Allowances | 8,023 | 4 | ... | ... | 8,140 | 0 | 13,040 | 0 | 4,785 | 1 | 1 |
| Tools and Plant | 149 | 7 | ... | ... | 33,000 | 0 | 3,690 | 0 | 2,654 | 13 | 11 |
| Total | ... | ... | 11,442 | 3 | 45,270 | 0 | 20,690 | 0 | 13,199 | 6 | 10 |

Increase due to retention of two temporary draftsmen not provided for in the Revised Estimate.

Savings.

Do.

Do.

Savings.

| | | | | |
|---|---------------|---------------|---------------|------------------|
| 7. Other Charges— | 243 0 6 | 320 0 0 | 270 0 0 | 265 5 9 |
| (a) Explorades | 4,335 9 8 | 6,000 0 0 | 5,080 0 0 | 4,442 12 8 |
| (b) Quit-rent | 24,374 0 0 | 25,000 0 0 | 25,000 0 0 | 24,995 0 0 |
| (c) Payment for Red Hills water | 2,081 15 6 | 4,020 0 0 | 3,100 0 0 | 3,531 1 6 |
| (d) Rewards for destruction of Dogs and Venomous Snakes | 602 4 3 | 1,000 0 0 | 1,000 0 0 | 737 10 10 |
| (e) Municipal Proceedings, &c., Charges— | 1,803 10 0 | 4,800 0 0 | 4,800 0 0 | 3,522 6 5 |
| Stationery | 2,576 10 0 | 1,500 0 0 | 1,500 0 0 | 2,171 6 0 |
| Printing | 2,400 0 0 | 2,400 0 0 | 2,400 0 0 | 2,350 0 0 |
| Advertising— | 1,619 9 3 | 100 0 0 | 1,900 0 0 | 16,218 1 0 |
| Establishment | 847 6 2 | 1,000 0 0 | 1,000 0 0 | 824 7 0 |
| Stamp, &c., Charges | 1,406 12 6 | 800 0 0 | 900 0 0 | 734 1 0 |
| (g) Election Charges | 102 6 11 | 100 0 0 | 150 0 0 | 2,812 8 0 |
| (h) Tin Tickets | ... | ... | ... | 50,000 0 0 |
| (i) Tools and Plant | ... | ... | ... | ... |
| (j) Contribution to Provincial Funds, General | ... | ... | ... | ... |
| (k) Stores— | 5,252 10 9 | 5,280 0 0 | 5,350 0 0 | 5,136 14 0 |
| Establishment | 1,084 8 1 | 2,000 0 0 | 2,000 0 0 | 1,820 2 2 |
| Contingencies— | 11,128 18 0 | 11,000 0 0 | 11,000 0 0 | 10,849 8 0 |
| Coolies for Stock-taking Stationery, Clothing, &c. | 363 9 3 | 430 0 0 | 430 0 0 | 293 0 1 |
| (l) Workshops— | 7,565 8 7 | 8,000 0 0 | 8,630 0 0 | 7,933 4 1 |
| Establishment | 3,355 13 0 | 2,500 0 0 | 3,360 0 0 | 2,132 7 5 |
| Allowances | 119 14 0 | ... | 250 0 0 | 3,582 10 3 |
| Labor and Contingent | 965 0 0 | 900 0 0 | 940 0 0 | 900 0 0 |
| Insurance on Municipal Buildings | 3,241 14 7 | 5,000 0 0 | 5,000 0 0 | 5,014 3 0 |
| (m) Public Ceremonies | 1,940 14 3 | 2,020 0 0 | 1,970 0 0 | 1,979 12 11 |
| (n) Motor Car— | 6,221 7 5 | ... | ... | ... |
| Establishment | ... | ... | ... | ... |
| Maintenance | ... | ... | ... | ... |
| Office Tapal | ... | ... | ... | ... |
| (p) Loss on Municipal Stores | ... | ... | ... | ... |
| Census | ... | ... | ... | ... |
| (q) Contribution for St. Patrick's Orphanage, Adayar. | 249 12 0 | 200 0 0 | 240 0 0 | 180 4 0 |
| (r) Charges for the treatment of patients at the Pasteur Institute, Coonoor | ... | ... | ... | ... |
| (s) Contribution to the Madras Society for Protection of Children | ... | ... | ... | ... |
| (t) Other Items | ... | ... | ... | ... |
| Total ... | 19,058 12 4 | 12,690 0 0 | 19,280 0 0 | 6,500 13 2 |
| Total, Grant IV ... | 1,03,882 14 0 | 97,060 0 0 | 1,05,490 0 0 | 1,58,897 11 3 |
| Total, Grant V—(Supervision and Management)— | 2,79,243 1 1 | 3,11,190 0 0 | 3,02,970 0 0 | 3,34,488 11 9 |
| 1. (a) Salaries of Officers | 38,885 15 6 | 36,900 0 0 | 33,990 0 0 | 36,860 11 7 |
| (b) Allowance | 900 0 0 | 960 0 0 | 960 0 0 | 762 3 4 |
| Total ... | 84,785 15 6 | 37,860 0 0 | 84,950 0 0 | 37,622 14 11 |
| Carried over ... | 34,785 15 6 | 37,860 0 0 | 34,950 0 0 | 37,622 14 11 |
| Total ... | 22,97,174 1 | 2,24,97,230 0 | 2,26,07,840 0 | 2,20,37,488 2 10 |

GRANT V—(Supervision and Management)—

1. (a) Salaries of Officers
(b) Allowance

Increase due to leave allowance

Savings.

Savings.

Savings.

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1914-15 —(Continued).

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | | Revised Estimate for 1914-15. | | Actuals, 1913-14. | | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. | | |
|---------------------------------------|-------------------|--------------|------------------------------|-------------|-------------------------------|-------|-------------------|----------|--|----------|---------|
| | Details of | | Totals of | | ES. | | ES. | | | | |
| | Minor Heads. | Major Heads. | A. P. | RS. | A. P. | RS. | A. P. | RS. | | | |
| 1 | 2 | | 3 | | 4 | | 5 | | 6 | 7 | |
| Brought forward ... | Rs. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | | | |
| | | 22,97,174 | 1 | 2,94,97,250 | 0 | 0 | 20,07,840 | 0 | 2,037,482 | 210 | |
| | | 34,786 | 15 | 6 | 37,850 | 0 | 0 | 34,950 | 0 | 37,822 | 14 |
| | | | | | | | | | | | |
| | | 26,130 | 7 | 8 | 24,850 | 0 | 0 | 25,880 | 0 | 23,988 | 10 |
| (a) Establishment Allowance | | 1,200 | 0 | 0 | 1,200 | 0 | 0 | 1,200 | 0 | 1,202 | 10 |
| (b) Stationery | | 1,810 | 1 | 7 | 900 | 0 | 0 | 1,300 | 0 | 943 | 1 |
| (c) Printing Charges | | 636 | 4 | 3 | 600 | 0 | 0 | 600 | 0 | 607 | 2 |
| (d) Advertising Charges | | 19 | 12 | 0 | 30 | 0 | 0 | 30 | 0 | 30 | 0 |
| (e) Office Furniture | | 942 | 1 | 10 | 300 | 0 | 0 | 1,550 | 0 | 329 | 10 |
| (f) Contingent | | 2,048 | 13 | 5 | 1,000 | 0 | 0 | 1,300 | 0 | 1,120 | 4 |
| (g) Labor-Funkah | | 2,168 | 10 | 0 | 1,280 | 0 | 0 | 1,920 | 0 | 521 | 0 |
| (h) Clothing for Peons | | 688 | 1 | 3 | 360 | 0 | 0 | 600 | 0 | 300 | 13 |
| Total ... | | 35,544 | 4 | 0 | 30,250 | 0 | 0 | 34,380 | 0 | 29,043 | 5 |
| 3. Assessment and Collection— | | | | | | | | | | | |
| (a) Establishment Allowances | | 80,394 | 3 | 7 | 75,000 | 0 | 0 | 81,090 | 0 | 76,472 | 8 |
| (b) Stationery | | 4,725 | 2 | 5 | 4,990 | 0 | 0 | 4,950 | 0 | 2,545 | 14 |
| (c) Printing Charges | | 3,082 | 12 | 9 | 2,500 | 0 | 0 | 3,000 | 0 | 2,109 | 0 |
| (d) Advertising Charges | | 3,447 | 6 | 10 | 4,000 | 0 | 0 | 3,700 | 0 | 3,367 | 15 |
| (e) Law Charges and Stamp Duties | | 1,322 | 8 | 0 | 1,200 | 0 | 0 | 1,400 | 0 | 653 | 15 |
| (f) Office Furniture | | 5,470 | 5 | 4 | 5,090 | 0 | 0 | 5,600 | 0 | 3,527 | 13 |
| (g) Contingent | | 7,019 | 1 | 11 | 300 | 0 | 0 | 3,400 | 0 | 180 | 4 |
| (h) Labor-Funkah | | 4,985 | 4 | 7 | 3,200 | 0 | 0 | 4,500 | 0 | 4,363 | 10 |
| (i) Clothing for Inspectors and Peons | | 414 | 8 | 7 | 470 | 0 | 0 | 420 | 0 | 548 | 11 |
| (j) Extra Writers, Coolies and Carts | | 900 | 0 | 6 | 1,600 | 0 | 0 | 1,600 | 0 | 1,602 | 2 |
| (k) Commissioners' Fees | | 6,276 | 0 | 10 | 6,000 | 0 | 0 | 6,300 | 0 | 5,793 | 7 |
| (l) Numbering Doors | | 300 | 0 | 0 | 450 | 0 | 0 | 450 | 0 | 320 | 0 |
| | | 961 | 7 | 1 | 300 | 0 | 0 | 300 | 0 | 167 | 8 |
| Total ... | | 1,19,319 | 11 | 5 | 1,05,040 | 0 | 0 | 1,22,710 | 0 | 1,01,652 | 14 |
| Total, Grant V ... | | 1,89,649 | 14 | 11 | 1,73,250 | 0 | 0 | 1,92,040 | 0 | 1,69,319 | 3 |
| | | | | | | | | | | | Savings |

GRANT V.—(Concluded).

2. Head Office—

Increase due to payment of leave allowances.

Savings

STATEMENT II.—Expenditure from the Municipal Fund of the City of Madras for the Official year 1914-15—(Concluded).

| Items. | Actuals, 1914-15. | | Budget Estimate for 1914-15. | Revised Estimate for 1914-15. | Actuals, 1913-14. | Explanation of variations between the Actuals and the Revised Estimate of 1914-15. |
|--------------------------------|------------------------|-------|------------------------------|-------------------------------|-------------------|--|
| | Totals of Major Heads. | | | | | |
| | 2 | 3 | | | | |
| | Rs. | A. P. | Rs. | A. P. | Rs. | |
| Brought forward ... | ... | ... | ... | ... | ... | |
| Interest— | | | | | | |
| • 4% W. W. Loan, 1869-73 | 14,30,000 | 0 | 14,30,000 | 0 | 14,30,000 | |
| " G. T. Drainage Loan, 1883 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Do. do. 1883 | 3,00,000 | 0 | 3,00,000 | 0 | 3,00,000 | |
| " Do. do. 1885 | 18,000 | 0 | 18,000 | 0 | 18,000 | |
| " Do. do. 1885 | 2,82,000 | 0 | 2,82,000 | 0 | 2,82,000 | |
| " Do. do. 1887 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Do. do. 1888 | 1,50,000 | 0 | 1,50,000 | 0 | 1,50,000 | |
| " Do. do. 1889 | 1,50,000 | 0 | 1,50,000 | 0 | 1,50,000 | |
| " Do. do. 1889 | 30,000 | 0 | 30,000 | 0 | 30,000 | |
| " W. W. Loan, 1890 | 50,000 | 0 | 50,000 | 0 | 50,000 | |
| " G. T. Drainage Loan, 1895 | 4,00,000 | 0 | 4,00,000 | 0 | 4,00,000 | |
| " W. W. Loan, 1897 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Market Loan, 1899 | 2,00,000 | 0 | 2,00,000 | 0 | 2,00,000 | |
| " Plague Loan, 1899 | 50,000 | 0 | 50,000 | 0 | 50,000 | |
| " Water-works Loan, 1899 | 4,20,000 | 0 | 4,20,000 | 0 | 4,20,000 | |
| " Drainage Loan, 1899 | 16,800 | 0 | 16,800 | 0 | 16,800 | |
| " Market Loan, 1899 | 1,50,000 | 0 | 1,50,000 | 0 | 1,50,000 | |
| " Drainage Loan, 1900 | 7,80,000 | 0 | 7,80,000 | 0 | 7,80,000 | |
| " Water-works Loan, 1900 | 1,50,000 | 0 | 1,50,000 | 0 | 1,50,000 | |
| " Plague Loan, 1900 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Sewer Loan, 1901-1902 | 1,20,000 | 0 | 1,20,000 | 0 | 1,20,000 | |
| " Drainage Loan, 1901-1902 | 2,00,000 | 0 | 2,00,000 | 0 | 2,00,000 | |
| " Do. 1903 | 5,00,000 | 0 | 5,00,000 | 0 | 5,00,000 | |
| " Do. 1905 | 7,00,000 | 0 | 7,00,000 | 0 | 7,00,000 | |
| " Special Buildings Loan, 1907 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Drainage Loan, 1908 | 4,00,000 | 0 | 4,00,000 | 0 | 4,00,000 | |
| " Special Buildings Loan, 1909 | 14,371 | 1 | 14,371 | 1 | 14,371 | |
| " Napier Bridge Loan, 1909 | 4,25,000 | 0 | 4,25,000 | 0 | 4,25,000 | |
| " Drainage Loan, 1909 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Napier Bridge Loan, 1910-11 | 4,00,000 | 0 | 4,00,000 | 0 | 4,00,000 | |
| " Drainage Loan, 1911 | 50,000 | 0 | 50,000 | 0 | 50,000 | |
| " Drainage Loan, 1911 | 1,00,000 | 0 | 1,00,000 | 0 | 1,00,000 | |
| " Special Buildings Loan, 1912 | 3,00,000 | 0 | 3,00,000 | 0 | 3,00,000 | |
| " Do. 1913 | 3,42,000 | 0 | 3,42,000 | 0 | 3,42,000 | |
| " Do. 1914 | 2,00,000 | 0 | 2,00,000 | 0 | 2,00,000 | |
| " Do. 1915 | 1,70,000 | 0 | 1,70,000 | 0 | 1,70,000 | |
| " Electric Lighting Loan, 1914 | 50,000 | 0 | 50,000 | 0 | 50,000 | |
| " Do. 1915 | 1,30,000 | 0 | 1,30,000 | 0 | 1,30,000 | |
| Total ... | ... | ... | 3,40,604 | 10 | 3,45,180 | 0 |
| | | | 3,45,180 | 0 | 3,48,560 | 0 |
| | | | 3,48,560 | 0 | 3,32,884 | 8 |
| | | | 3,32,884 | 8 | 3,32,884 | 8 |

Decrease due to claims not preferred and paid for in the year

*Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1915 and
forming the Opening Balances of 1915-1916.*

| <i>List of Liabilities or Credit Balances transferred to the ensuing year—</i> | | | | RS. | A. | P. | RS. | A. | P. | RS. | A. | P. |
|--|---------|--|--|-----------|----|----|-----------|----|----|-----------|----|----|
| BALANCE OF LOANS— | | | | | | | | | | | | |
| * Waterworks Loan of 1869-73 | | | | | | | | | | 14,30,000 | 0 | 0 |
| G. T. Drainage Loan | 1885 | | | | | | | | | 3,00,000 | 0 | 0 |
| Do | 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 |
| Waterworks Loan | 1895 | | | | | | | | | 4,00,000 | 0 | 0 |
| Market Loan | 1897 | | | | | | | | | 1,00,000 | 0 | 0 |
| Plague Loan | 1899 | | | | | | | | | 2,00,000 | 0 | 0 |
| Waterworks Loan | 1899 | | | | | | | | | 50,000 | 0 | 0 |
| Drainage Loan | 1899 | | | | | | | | | 4,20,000 | 0 | 0 |
| Market Loan | 1899 | | | | | | | | | 1,50,000 | 0 | 0 |
| Drainage Loan | 1900 | | | | | | | | | 7,80,000 | 0 | 0 |
| Waterworks | 1903 | | | | | | | | | 1,50,000 | 0 | 0 |
| Plague Loan | 1900 | | | | | | | | | 1,00,000 | 0 | 0 |
| Sewer Loan | 1901-02 | | | | | | | | | 1,20,000 | 0 | 0 |
| Drainage Loan | 1901-02 | | | | | | | | | 2,00,000 | 0 | 0 |
| Do | 1903 | | | | | | | | | 5,00,000 | 0 | 0 |
| Do | 1905 | | | | | | | | | 5,68,579 | 12 | 11 |
| Special Buildings Loan | 1907 | | | | | | | | | 1,00,000 | 0 | 0 |
| * Drainage Loan | 1908 | | | | | | | | | 3,52,923 | 8 | 11 |
| Do | 1909 | | | | | | | | | 3,61,566 | 7 | 9 |
| Special Buildings Loan | 1909 | | | | | | | | | 4,25,000 | 0 | 0 |
| Napier Bridge Loan | 1909 | | | | | | | | | 1,00,000 | 0 | 0 |
| Do | 1910-11 | | | | | | | | | 50,000 | 0 | 0 |
| * Water-supply and Drainage Loan | 1910-11 | | | | | | | | | 94,467 | 12 | 5 |
| Special Buildings Loan | 1912 | | | | | | | | | 3,00,000 | 0 | 0 |
| Do | 1913 | | | | | | | | | 3,42,000 | 0 | 0 |
| Do | 1914 | | | | | | | | | 2,00,000 | 0 | 0 |
| Electric Lighting Loan | 1914 | | | | | | | | | 50,000 | 0 | 0 |
| Do | 1915 | | | | | | | | | 1,30,000 | 0 | 0 |
| Special Buildings Loan | 1915 | | | | | | | | | 1,70,000 | 0 | 0 |
| Deposits to be adjusted | | | | | | | | | | 3,18,708 | 11 | 0 |
| Unpaid Liabilities | | | | | | | | | | 1,96,765 | 0 | 0 |
| <i>List of Assets or Debit Balances transferred to the ensuing year—</i> | | | | | | | | | | | | |
| MUNICIPAL BALANCE— | | | | | | | | | | | | |
| Revenue | | | | 10,48,476 | 3 | 8 | | | | | | |
| Loan | | | | 8,01,848 | 14 | 3 | | | | | | |
| | | | | | | | 18,50,325 | 1 | 11 | | | |
| DEPOSIT BALANCE— | | | | | | | | | | | | |
| Cash | | | | 48,697 | 3 | 3 | | | | | | |
| Fixed Deposit | | | | 79,111 | 7 | 9 | | | | | | |
| Government Securities, etc. | | | | 1,90,900 | 0 | 0 | | | | | | |
| | | | | | | | 3,18,708 | 11 | 0 | | | |
| SINKING FUND FOR THE LIQUIDATION OF | | | | | | | | | | | | |
| * Waterworks Loan of 1869-73 | | | | 13,20,600 | 0 | 0 | | | | | | |
| George Town Drainage Loan of 1885 | | | | 2,90,110 | 1 | 4 | | | | | | |
| Do Do " 1887 | | | | 35,106 | 15 | 9 | | | | | | |
| Do Do " 1888 | | | | 49,061 | 2 | 10 | | | | | | |
| Do Do " 1889 | | | | 47,383 | 10 | 5 | | | | | | |
| Waterworks " 1889 | | | | 6,388 | 14 | 0 | | | | | | |
| Drainage " 1890 | | | | 14,813 | 2 | 8 | | | | | | |
| Waterworks " 1895 | | | | 88,935 | 7 | 3 | | | | | | |
| Market " 1897 | | | | 20,513 | 1 | 5 | | | | | | |
| Plague " 1899 | | | | 33,163 | 1 | 3 | | | | | | |
| Waterworks " 1899 | | | | 8,139 | 4 | 2 | | | | | | |
| Drainage " 1899 | | | | 68,655 | 9 | 8 | | | | | | |
| Market " 1899 | | | | 24,519 | 10 | 6 | | | | | | |
| Drainage " 1900 | | | | 1,17,645 | 14 | 10 | | | | | | |
| Waterworks " 1900 | | | | 22,276 | 6 | 4 | | | | | | |
| Plague " 1900 | | | | 16,006 | 3 | 7 | | | | | | |
| Sewer " 1901-02 | | | | 15,306 | 0 | 4 | | | | | | |
| Drainage " 1901-02 | | | | 24,925 | 5 | 6 | | | | | | |
| Do " 1903 | | | | 56,655 | 1 | 9 | | | | | | |
| Special Buildings " 1907 | | | | 19,503 | 13 | 4 | | | | | | |
| Do " 1909 | | | | 50,774 | 3 | 3 | | | | | | |
| Napier Bridge " 1909 | | | | 11,986 | 9 | 9 | | | | | | |
| Do " 1910-11 | | | | 4,375 | 3 | 9 | | | | | | |
| Special Buildings " 1912 | | | | 19,375 | 1 | 1 | | | | | | |
| Do " 1913 | | | | 6,638 | 10 | 3 | | | | | | |
| Do " 1914 | | | | 2,911 | 12 | 7 | | | | | | |
| Electric Lighting " 1914 | | | | 721 | 11 | 1 | | | | | | |
| | | | | | | | 23,75,492 | 2 | 8 | | | |
| Carried over ... | | | | | | | 45,44,525 | 15 | 7 | 91,30,001 | 5 | 0 |

* Loans from Government.

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1915 and forming the Opening Balances of 1915-1916—(Continued).

| Divisions. | Description of Buildings. | Amount. | |
|---|--|--|-------|
| | | Rs. | |
| 1 | Shed for the peons, &c., of the Hindu Burial Ground in Suriyanarayana Chetty Street ... | 100 | |
| | Shed for the lascars of north main drain in North Beach Road ... | 480 | |
| | A Vaccination Depot (zinc shed) in Mannarswamy Covil Street ... | 350 | |
| | Sewage Farm Overseer's Office ... | 450 | |
| | Shed for storing hay in the sewage farm ... | 800 | |
| 2 | Vaccination Depot in Thiruvathur High Road junction of Cumbalammen Covil Road... | 300 | |
| | Cattle shed in Robinson Park ... | 3,000 | |
| | Teakwood wood house for fernery at Robinson Park ... | 1,760 | |
| | Reservoir for water near band stand in Robinson Park ... | 310 | |
| | Compound wall to Robinson Park ... | 250 | |
| | Superintendent's Office at Robinson Park ... | 5,950 | |
| | Kitchen in Robinson Park ... | 400 | |
| | Peon's quarters at Robinson Park ... | 780 | |
| | Foliage shed in front of the gate in Robinson Park ... | 1,000 | |
| | Pumping shed and two wells in Robinson Park ... | 2,000 | |
| | Corrugated zinc shed for the fire engine Station at Royapuram Pumping Station ... | 600 | |
| | Fire engine shed close to the temple gate in Mannarsami Covil Street ... | 250 | |
| | Georgetown Dispensary at Monegar Choultry ... | 10,000 | |
| | Vaccination shed in Monegar Choultry Road ... | 1,900 | |
| | Tiled shed Toll Gate, Tiruvattiyur High Road ... | 500 | |
| | Overseer's Office and store room of 2nd Division in Mint Street ... | 3,000 | |
| | Sanitary Inspector and Works Department Overseer's Office, Ebramji Sahib Street ... | 2,820 | |
| | Raja Sir Ramaswamy Mudaliar Lying-in-Hospital ... | 26,450 | |
| | Contagious wards attached to the do. ... | 5,850 | |
| | Kichen in Lying-in-Hospital ... | 1,400 | |
| | Roller shed in Slaughter House Road ... | 980 | |
| | Model Paracherry, Cemetery Road ... | 39,520 | |
| | Drivers' Lines in Slaughter House Road ... | 14,000 | |
| | Bazaars attached to Drivers' Lines ... | 1,000 | |
| | Monegar Choultry Cart Depot bullock sheds (5) ... | 20,970 | |
| | Tiled shed for 12 pairs of bullocks in H bullock depot, Slaughter House Road ... | 1,750 | |
| | Tiled shed for 6 pairs of sick bullocks in H bullock depot, Slaughter House Road ... | 1,650 | |
| | Gram shed at H bullock depot. ... | 1,000 | |
| | Pumping Station, zinc shed and well in Tiruvattiyur High Road, near 2nd Division Overseer's Office ... | 500 | |
| | Model School in Sanjeevirayan Covil Street ... | 12,860 | |
| | Monegar Choultry Cart depot (A depot bullock sheds) ... | 5,450 | |
| | Burial ground cart depot (C depot bullock sheds) ... | 5,370 | |
| | Shed for Rubbish Depot Superintendent at Manali Bridge ... | 200 | |
| | Toll Gate Building No. 3, Manali ... | 440 | |
| | Overseer's Office and Vaccination depot in Tiruvattiyur High Road ... | 4,000 | |
| | Coolies' shed at Korukupet ... | 590 | |
| | Superintendent's Office, Korukupet Rubbish depot ... | 500 | |
| | Drivers' Lines at Kathiwakam High Road ... | 9,750 | |
| | Shelter shed at Washermanpet Burial and Burning Ground for Hindus ... | 1,000 | |
| | Do do do Chetties ... | 1,000 | |
| | Do do do Brahmmins ... | 300 | |
| | Do do do Pariahs ... | 300 | |
| | Toll-Gate Old Ennore Road ... | 350 | |
| | Gram shed at C Bullock depot ... | 1,000 | |
| | Corporation Model School in Mint Subbarayalu Naidu Street ... | 10,000 | |
| | 4 & 5 | Fire engine shed, Jehanghir Street ... | 1,400 |
| | | Municipal 5th Division store, Thambu Chetty Street, including bathing fountain ... | 1,500 |
| 6 & 7 | Building at the junction of Errabalu Chetty Street and Broadway ... | 7,000 | |
| | Model Mahomedan Hutting Ground in Salai Vinayagar Covil Street: ... | 6,730 | |
| 8 & 9 | Model Paracherry Vasapmode old ... | 25,000 | |
| | Do do new ... | 3,000 | |
| | Superintendent's Office and bullock sheds at Basin Bridge Road ... | 7,000 | |
| | Overseer's Office and Bathing Fountain at Govindappa Naick Street ... | 1,500 | |
| | Storekeeper's Office, old Basin Road ... | 200 | |
| 10 & 11 | Corporation Model School in Malayappan Street ... | 14,000 | |
| | Municipal Stores and Workshops, including additional buildings since erected ... | 55,000 | |
| | Trevelyan Wharf ... | 7,000 | |
| | Portion of Police Station in Wall Tax Road ... | 380 | |
| | Superintendent's shed at the Wharf in Wall Tax Road ... | 180 | |
| | Municipal Cart-stand and Bathing Fountain, Elephant Gate Road ... | 6,900 | |
| | Bathing Fountain in Badriah Garden Street ... | 1,500 | |
| Building Overseer's Office, 8th and 9th Divisions ... | 3,100 | | |
| 10 & 11 | Incinerator, Basin Esplanade Road ... | 1,01,900 | |
| | Shed for the Superintendent of the Incinerator, Basin Esplanade Road ... | 300 | |
| | Lethal Chamber at Basin Esplanade Road ... | 1,200 | |
| | Mantapam at DeMellows Road burial and burning ground ... | 1,620 | |
| | Pig Pen, DeMellows Road ... | 1,400 | |
| | Pig Slaughter House, DeMellows Road ... | 450 | |
| | Bullock Slaughter House, Gantz Road ... | 33,000 | |
| | Sheep Slaughter House, Gantz Road ... | 53,300 | |
| | Carried over ... | 5,66,740 | |

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1915 and forming the Opening Balances of 1915-1916—(Continued).

| Divisions. | Description of Buildings. | Amount. Rs. |
|------------|---|----------------|
| | Brought forward... | 5,66,740 |
| 10 & 11 | Superintendent's quarters, Perambore Bullock Slaughter House ... | 4,430 |
| | Chief Superintendent's quarters Slaughter House and Drivers' Lines, "Hope Lodge" ... | 10,400 |
| | Toll gate building in Erokanjeri Road ... | 1,220 |
| | Do in Perambore High Road ... | 400 |
| | Do in Connoor Road ... | 400 |
| | Do in Madavaram Road... .. | 400 |
| | Do in Perambur Tank Road ... | 190 |
| | Overseer's Office and Stores, 10th Division ... | 1,000 |
| | Rat Station at Puliantope Road ... | 600 |
| | Shed in Vyasarpady burial ground ... | 400 |
| | Smithfield Market in Avadanam Paupier Road ... | 17,700 |
| | Vaccination depot in Rutler's Road ... | 1,000 |
| | Conservancy cart depot with Superintendent's Office, Chulai ... | 11,790 |
| | Baliab Naidu Dispensary, Rutler's Lane ... | 9,160 |
| | Corporation Model School in Vaikaikaran Street ... | 16,450 |
| | School in Kalathiappa Mudaly Street ... | 6,600 |
| 12 & 13 | Fire Engine Shed at Vepery Police Station ... | 400 |
| | Moore Market with Electric Engine shed, People's Park ... | 3,02,310 |
| | Moore Market New Evening Bazaar with restaurants ... | 86,000 |
| | Superintendent's quarters, People's Park ... | 6,150 |
| | Band Stand in People's Park ... | 2,030 |
| | Sergeant's quarters in People's Park ... | 2,770 |
| | Menagerie shed with the shed at the entrance in the People's Park ... | 10,000 |
| | Shed in the Island for swans and other birds in People's Park ... | 2,850 |
| | Foliage Shed in People's Park ... | 1,000 |
| | Bear's cage in People's Park ... | 6,000 |
| | New Aviary in People's Park ... | 5,700 |
| | Pumping station in People's Park ... | 500 |
| | Store shed in the Menagerie, People's Park ... | 880 |
| | Overseer's Office and Stores, Gangahareswarer Covil Road ... | 1,330 |
| | New Corporation Office Buildings, Periamet ... | 7,50,000 |
| | Model School in Poonamallee High Road ... | 12,000 |
| | Overseer's Office and Stores, Harris Road ... | 1,200 |
| | Vaccination Depot, Poonamallee High Road near Spur Tank ... | 1,500 |
| | Incinerator, pumping station and compound wall, etc., Langs Garden Road ... | 1,170 |
| | Steam Road Roller shed inside the compound wall of the Langs Garden Pumping Station ... | 950 |
| | Cart depot including bullock sheds and Sanitary Overseer's Office, etc., in Harris Road. ... | 12,000 |
| | Gram shed, Harris depot ... | 1,000 |
| | Motor fire engine shed and drivers' quarters, Pudupet ... | 10,500 |
| | Anglo-Indian model dwellings in Nariangadu ... | 26,000 |
| | Corporation Model School at Goyatope ... | 13,500 |
| 14 & 15 | Rest-house in Otary Burial and Burning Ground ... | 310 |
| | Toll Gate No. 8. in Madavakam Tank Road ... | 490 |
| | Toll Gate No. 9. in Kilpauk Garden Road ... | 490 |
| | Do 10 in Poonamallee Road, Chetput ... | 490 |
| | Do 11 in Harrington Road, Chetput ... | 170 |
| | Do in Subbaraya Gramany Street ... | 380 |
| | Sheds for tools and plants in Otary Burial Ground ... | 280 |
| | Dhobykhana in McNicholas Road ... | 30,900 |
| | Corporation Panchama School at Chetput ... | 8,800 |
| | Rubbish Depot Shed in Brick Kiln Road... .. | 260 |
| | Walkmans's cottage and channel Overseer's quarters ... | 7,440 |
| | Toll Gate No. 8 (a) in Subbaraya Chetty Street ... | 380 |
| | Overseer's Office and Stores in Village Road ... | 1,330 |
| | Toll Gate No. 12 Kodambakum Road ... | 490 |
| | Tiled shed in the north of Sterlings Road, Nungambakkam burial ground ... | 530 |
| | Corporation Model School in Azimulk Street, Thousand Lights ... | 13,400 |
| 16 & 17 | Shed for ambulance in Napier's Park ... | 880 |
| | Napier's Park Superintendent's shed and Waterworks Overseer's office and store room ... | 1,050 |
| | Napier's Park gatekeeper's lodge at the west entrance ... | 460 |
| | Dispensary, Vaccination Depot and Sanitary Inspector's Office in Arunachella Naick Street, Chintadripet ... | 11,700 |
| | Cement shed in Napiers Park ... | 1,300 |
| | Store shed in Napiers Park ... | 1,150 |
| | Cement testing shed in Napiers Park ... | 450 |
| | Gatekeeper's lodge at the east entrance of Napiers Park ... | 500 |
| | Manual fire engine shed at F. 1 Police Station, Chintadripet ... | 1,300 |
| | Old pumping engine house now occupied by sewer cleaning staff and special plague Medical Officer ... | 6,500 |
| | Vaccination Depot at Pulibone Bazaar in Pycrofts Road ... | 600 |
| | Building Overseer and Road Overseer's Office and Stores in the 17th Division, Balamuthu Street ... | 2,450 |
| | Carried over... | 20,00,600 |

APPENDIX I.

61

Statement showing the Liabilities and Assets as closed in the Books on the 31st March 1915 and forming the Opening Balances of 1915-1916—(Continued).

| Divisions. | Description of Buildings. | Amount. | |
|------------|---|----------------------|------------|
| | | | Rs. |
| | Brought forward... | | 20,00,600 |
| 16 & 17 | Model School in Vallabha Agraharam Street | | 12,000 |
| | Do in Arunachala Naicken Road | | 14,500 |
| | Corrugated iron shed in Veeran Parachery | | 200 |
| | Do at Chetty's Garden for keeping the night-soil buckets, etc. | | 130 |
| | Public bathing fountain in Veeraraghava Mudali Street | | 1,000 |
| 18 & 15 | Steam Road Roller shed, Westcott Road | | 700 |
| | Overseer's Office, 18th Division, Pycrofts Road | | 2,000 |
| | Two bathing fountains in Ice House Road | | 700 |
| | Sanitary Inspector's Office in Chengalraya Mudali Street | | 1,500 |
| | Vaccination Depot at the junction of Mount Road and White's Road | | 1,020 |
| | Old depot of Registrar of Births and Deaths, Mount Road | | 800 |
| 19 & 20 | Isolation Hospital, Krishnampet | | 17,000 |
| | Incinerator at Krishnampet | | 15,000 |
| | Shed for the Superintendent of the Incinerator at Krishnampet | | 450 |
| | Overseer's Mustering Depot shed, Kristnampet | | 600 |
| | Krishnampet Cart Depot | | 4,700 |
| | Barber's Bridge Cart Depot | | 4,000 |
| | Krishnampet School with compound wall | | 6,500 |
| | Royapettah Hospital including Sub-Assistant Surgeons, Nurses' quarters and store shed. | | 2,43,740 |
| | Wharf with crane, etc., at Venkatarangam Pillai Street | | 250 |
| | Vaccination Depot, Cutchery Road | | 450 |
| | Shed at Mylapore Hindu burial and burning ground | | 100 |
| | Damodar Street Panchama School | | 8,000 |
| | Wharf with crane in Ellappa Matha Covil Road | | 350 |
| | Tevnampet Manual Fire Engine Shed | | 400 |
| | Lethal Chamber, Krishnampet | | 1,500 |
| | Two tiled sheds in Krishnampet burial ground | | 210 |
| | Peon's room for Krishnampet burial ground | | 350 |
| | Toll Gate in Mount Road | | 300 |
| | Do Chamier's Road | | 100 |
| | Do Adyar Bridge Road | | 250 |
| | Overseer's Office and store room, 20th Division | | 1,500 |
| | Watchman's room in Mahomedan burial ground | | 50 |
| | Compound wall for Mahomedan burial ground in Ellappa Matha Covil Road | | 600 |
| | Overseer's Office and stores of Waterworks Overseer, 19th and 20th Divisions | | 1,500 |
| | Gram shed at Krishnampet | | 1,000 |
| | Model School in Mandavalli Street, Mylapore | | 13,840 |
| | Licensing station, Ennore | | 5,000 |
| | Red Hills Bungalow | | 8,200 |
| | Do Do (small) | | 2,500 |
| | Out-houses of the Red Hills bungalow | | 1,400 |
| | Do do (small) | | 500 |
| | Tower House at Red Hills, with fittings (old) | | 10,000 |
| | Do do (new) | | 50,000 |
| | No. 1 Cottage Delivery Channel | | 2,000 |
| | 2 Do do | | 1,900 |
| | 3 Do do | | 2,400 |
| | 4 Do do | | 1,800 |
| | Channel Overseer's quarters | | 1,200 |
| | Assistant Conservator's bungalow, now the Overseer's quarters | | 1,800 |
| | Stable and out-house | | 2,400 |
| | Night-soil Depot | | 5,138 |
| | | | 24,54,138 |
| | <i>Pumping Station Buildings:—</i> | | |
| | Pumping Station and Drivers' quarters at Royapuram | | 10,734 |
| | DeMellow's Road Pumping Station | | 3,695 |
| | Laags Garden Pumping Station | | 7,040 |
| | Napier Park Pumping Station | | 11,082 |
| | Ice House Road Pumping Station | | 8,720 |
| | Mylapore Pumping Station | | 3,673 |
| | Law College Pumping Station | | 16,436 |
| | Tondiarpet Pumping Station "A" | | 12,600 |
| | Do do "B" | | 14,443 |
| | Do do "C" | | 12,173 |
| | Kilpauk Pumping Station | | 3,87,870 |
| | | | 4,88,466 |
| | | Total ... | 29,42,604 |
| | Value of Municipal lands... .. | | 6,65,168 |
| | Do tools and plant | | 13,47,095 |
| | Do furniture | | 42,974 |
| | Do live stock | | 1,09,159 |
| | Do materials | | 4,06,870 |
| | Arrears of Taxes &c. | | 76,020 |
| | Advances Recoverable | | 1,69,488 |
| | | Total Assets... | 103,03,904 |
| | | Total Liabilities... | 91,30,001 |

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

Part I.—New Works.

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|--|
| | | Rs. | Rs. | |
| | GRANT I.—Public Works. | | | |
| | 1. NEW WORKS. | | | |
| | (a) Communications. | | | |
| 1 | Opening roads connecting Bala Arunachella Mudali Street with Lawyer Chinnathambi Mudali 2nd Street at R. S. Nos. 2897 and 2901 | 3,000 | ... | Abandoned |
| 2 | Revetting the slopes and approaches of the Royapuram Over-bridge | 4,930 | 103 | Plans were under preparation. Work since abandoned. |
| 3 | Opening out the western end of Bala Arunachella Chetti Street and connecting it with Solayappen Street | 1,375 | 1,377 | Paid in full. |
| 4 | Widening the Southern end of East Cemetery Road, Washermanpet | 600 | 447 | Do. |
| 6 | Opening Street from Ramasawmy Street to Venkatayyen Street | 8,700 | ... | Under acquisition. |
| 7 | Acquisition of buildings in R. S. No. 126 in Peddunaick Street for opening a new street in continuation of Muniappa Mudali Street, George Town | 850 | 2,000 | Award passed. Excess sanctioned by S. C. on 19-1-15. |
| 8 | Acquisition of land and building in R. S. Nos. 9949 to 9953 of George Town for widening the Stringer's and Isaac Streets | 1,175 | 1,173 | Paid in full. |
| 9 | Acquisition of land in R. S. No. 535 of Perambur for a road to connect Gantz Road with Erukenjeri Road | 650 | 224 | Do. |
| 10 | Acquisition of a portion of land in R. S. No. 34 of Perambur for widening bend in Puliantope Road at the junction of Ramasawmy Chetti Street | 415 | 433 | Do. Excess sanctioned by S. C. on 29-1-15. |
| 11 | Acquisition of land between Cudappah Rangiah Chetti Street and Mattucara Veerabadran Street | 4,500 | 3,746 | Under acquisition. |
| 13 | Acquisition of land in R. S. No. 1624 of Purasawaukam for widening the lane between Cundappa Mudali High Road and Yami Street, Purasawaukam | 300 | 220 | Paid in full. |
| 14 | Acquisition of land in R. S. No. 692 of Egmore for widening Lakshminarayana Perumal Covil Street | 1,150 | 1,150 | Do. |
| 16 | Acquisition of a portion of land in R. S. Nos. 390 and 391 of Triplicane for connecting Subroya Mudali Street with Begum Sahib lane | 2,000 | 712 | Do. Decrease due to certain parts of the proposed site not having been acquired. |
| 17 | Acquisition of land and structure in R. S. No. 375 of Triplicane for widening General Patters' Road near Brind's hotel | 2,200 | ... | Under correspondence. |
| 19 | Acquisition of land in R. S. Nos. 2014 and 2057 of Mylapore for widening Arundel Street (North end) | 1,035 | 1,035 | Paid in full. |
| | Carried over | 32,880 | 12,620 | |

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

Part I.—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|---|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 32,886 | 12,620 | |
| | GRANT I.—Public Works—(Contd.). | | | |
| | I. NEW WORKS—(Contd.). | | | |
| | (a) Communications—(Contd.). | | | |
| 21 | Acquisition of land in R. S. No. 1639 of Mylapore, measuring 1,240 sq. feet for widening the road at the junction of Mowbray's Road and Luz Church Road (Oliver's Road) | 300 | 602 | Paid in full. Excess sanctioned by S. C. on 12-1-15. |
| 22 | Acquisition of land and projections in Rosary Church Road near San Thome, Mylapore, for widening the road | 1,400 | 2,350 | Award passed Excess sanctioned by S. C. on 29-1-15. |
| 23 | Acquisition of land in R. S. Nos. 1792 and 1943 for connecting Dharmaraja Covil Street with Ennore Road | 450 | ... | Under correspondence. |
| 24 | Acquisition of land and buildings in R. S. No. 6010 of George Town, for rounding off the South-west corner at the junction of Thathamuthiappen Street and Acharappen Street | 600 | ... | Do |
| 25 | Acquisition of land in R. S. No. 2243 of George Town, for rounding off the corner of Popham's Broadway at the junction of Old Jail Street | 1,000 | ... | Do. |
| 26 | Compensation for shifting back the building in R. S. No. 11,452 of George Town, for widening Popham's Broadway | 1,500 | ... | Do. |
| 27 | Acquisition of land in parts of R. S. Nos. 5617 to 5620 (1a, 1b and 2), 5623 to 5626, 5629, 5630, 5632, 5633, 5631 (1) for widening Popham's Broadway | 9,770 | ... | Do. |
| 28 | Acquisition of land in R. S. No. 5416 of George Town, for widening Popham's Broadway | 5,000 | ... | Do. |
| 29 | Acquisition of land and building in R. S. No. 5447 of George Town for widening Popham's Broadway | 2,300 | ... | Do. |
| 30 | Acquisition of land and superstructures in R. S. No. 8179 of George Town, for widening the corner at the junction of Elephant Gate Street with Mint Street | 160 | 158 | Paid in full. |
| 31 | Acquisition of land and superstructures in R. S. Nos. 8534/2, 8535 and 8536 of George Town, for rounding off the corner at the junction of China Bazaar Road and Wall Tax Road | 3,200 | ... | Abandoned. |
| 32 | Acquisition of land in R. S. No. 858 of Vepery for rounding off the corner at the junction of Hunter's Road and Vadhyar Canda Pillai Street | 350 | ... | Under correspondence. |
| 34 | Acquisition of land in R. S. No. 601 of Egmore for widening Veerasawmy Pillai Street | 500 | 654 | Award passed and land acquired. Excess sanctioned by S. C on 10-11-14. |
| | Carried over ... | 59,410 | 16,384 | |

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

Part I.—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|---|
| | | Rs. | Rs. | |
| | Brought forward ... | 59,410 | 16,384 | |
| | GRANT I.—Public Works—(contd.) | | | |
| | I. NEW WORKS—(contd.) | | | |
| | (a) Communications—(contd.) | | | |
| 35 | Acquisition of land and buildings in R. S. Nos. 670 and 671 of Egmore for widening Lakshminarayana Perumall Covil Street | 1,000 | ... | Abandoned. |
| 36 | Acquisition of land and buildings in R. S. Nos. 1054 and 1055 of Egmore for widening Vencatachalla Naick Street, Pudupet ... | 3,000 | ... | Under acquisition. |
| 37 | Acquisition of land in R. S. No. 97 of Nungambaukam for rounding off the corner at the junction of College Bridge Road and Nungambaukam High Road ... | 800 | 450 | Award passed. |
| 38 | Constructing a culvert in Poonamallee High Road at the junction of new road in Landen's Gardens ... | 700 | 577 | Paid in full. |
| 39 | Shifting the feeder pillar of the Madras Electric Supply Corporation at the corner of Spencer's buildings in connection with the road improvement at the junction ... | 1,530 | 1,533 | Do. |
| 40 | Contribution paid to the Madras Club for improving the corner at the junction of Puttalows Road and White's Road and transferring the portion of land affected to the Corporation ... | 450 | 450 | Do. |
| 41 | Acquisition of land in R. S. No. 431 (part) of Chintadripet for rounding off the corner towards Law's Bridge in the Cooum River East Side Road ... | 200 | 196 | Do. |
| 42 | Acquisition of land in R. S. No. 2470 of Triplicane for widening Muthukalathi Street ... | 450 | 299 | Do. |
| 43 | Excess compensation awarded by Court for R. S. No. 2770 of Triplicane acquired by Corporation in 1913-14 for widening Khana Bagh Street ... | 560 | 560 | Do. |
| 44 | Acquisition of land in R. S. Nos. 1100, 1102, 1127, 1133 and 1134 of Royapettah for rounding off the four corners at the junction of Lloyd Road and Royapettah High Road. | 1,930 | 941 | Award passed and land acquired. Low award due to the existence of a deep pit at the site. |
| 45 | Acquisition of land in R. S. No. 664 of Mylapore for connecting Chanda Sahib Street with Musthura Begum Pettah Road ... | 1,200 | ... | Under acquisition. |
| 46 | Acquisition of land in R.S. Nos. 785, 787, and 788 of Egmore for widening Gengu Reddi Road ... | 800 | 651 | Land acquired. |
| 47 | Acquisition of land in R. S. No. 1891/9 of Purasawaukam for rounding off the corner at the junction of Avadanum Paupier Lane with Chinniah Naicken Street ... | 400 | 422 | Do. Excess sanctioned by S. C. on 4-12-14. |
| | Carried over ... | 72,430 | 22,463 | |

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

Part I.—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|--|
| | | Rs. | Rs. | |
| | Brought forward ... | 72,430 | 22,463 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | I. NEW WORKS—(Contd.) | | | |
| | (a) Communications—(Contd.) | | | |
| 48 | Acquisition of portions of land in R. S. Nos. 66 and 63 of Mylapore for rounding off the corners at the junction of Lloyd Road and Mount Road | 1,700 | ... | Under correspondence. |
| 49 | Acquisition of portion of land in R. S. Nos. 84, 1153 and 1155 of Mylapore for rounding off the corners at the junction of Lloyd Road and Mowbray's Road | 400 | ... | Do. |
| 50 | Acquisition of land in R. S. No 647 (part) of Egmore for rounding off the corners at the junction of Police Commissioner's Office Road and Veerasawmy Pillai Street | 100 | 97 | Paid in full. |
| 51 | Acquisition of land in R. S. Nos. 4310, 4311 and 4312 of George Town, for widening the lane between Moore Street and Jehangir Street | 2,000 | ... | Abandoned. |
| 52 | Acquisition of land in R. S. No. 3332 of Tondiarpet for opening a roadway between Darya Saib Street and Ghouse Mohideen Pettah Road | 170 | 170 | Paid in full. |
| 53 | Acquisition of land in R. S. No. 2770 of Triplicane for widening Khana Baugh Street | 300 | 241 | Do. |
| 54 | Acquisition of land and structure for rounding off the corner at the junction of Dam's Road and Blacker's Road | 300 | 330 | Paid in full. Excess sanctioned by S. C. on 12-1-15. |
| 55 | Acquisition of land in R. S. No. 4866 of George Town for rounding off the corner at the junction of Armenian Street and Muker Nallamuthu Chetti Street | 200 | ... | Under correspondence. |
| 56 | Fencing the corner at the junction of Basin Water-works Street and Wall Tax Road ... | 190 | 176 | Paid in full. |
| 57 | Acquisition of land for widening Venkatesa Naick Street | 2,215 | 2,216 | Do. |
| 58 | Acquisition of land and superstructures in R. S. Nos. 372 and 373 of Mylapore for widening Pycrofts Road 2nd Lane and laying a new road connecting with General Patter's Road | 5,405 | 5,407 | Do. |
| 59 | Acquisition of the portico in R. S. No. 3728 of Triplicane with land belonging to Messrs. Wiele and Klein, Mount Road | 580 | ... | Land was taken possession of. |
| 60 | Acquisition of land and buildings in R. S. Nos. 2417, 2596, 2694, 2593 and 2575 of Mylapore for widening San Thome High Road | 2,660 | 2,662 | Paid in full. |
| 61 | Acquisition of the Vinayagar Temple in Chitrakulam, Mylapore and the land in the garden | 130 | 130 | Do. |
| | Carried over ... | 88,780 | 33,892 | |

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

Part I—New Works—(Continued).

| No. | Particulars | Revised Estimate | Expenditure | REMARKS. |
|-----|---|------------------|------------------|---|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 88,780 | 33,892 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | I. NEW WORKS—(Contd.) | | | |
| | (a) Communications—(conclud.) | | | |
| 62 | Extension and improvements to culverts in Barnaby's Road and Orme's Road, Kilpauk. | 1,350 | 1,350 | Paid in full. |
| 63 | Fixing granite curb stones and paving footpath in Wall Tax Road in front of rice bazaars from China Bazaar Street to Venkataroyan Street | 645 | 488 | In progress. |
| 64 | Putting up a siderailing in Graems Road from College Bridge to Anderson Road ... | 340 | ... | This was provided for arrear work but was found to be unnecessary. |
| 65 | Acquisition of land and structure in R. S. No. 98 of Royapettah belonging to the Madras Stable Co., for rounding off the corner at the junction of Mount Road with General Patter's Road | 3,525 | 3,525 | Paid in full. |
| 66 | Converting the existing footpath from Messrs. Duff & Co., to the Carnatic Studio in Mount Road, into a cement paved footpath | 630 | 632 | Do. |
| 67 | Providing a footpath in Mount Road from D'Angelis & Sons south corner to the north gate of Post Office | 415 | 414 | Do. |
| 68 | Excess compensation paid for acquisition of land for improving the alignment of Mount Road opposite Messrs. Stable & Co. ... | ... | 3,867 | Paid in full. Sanctioned by S. C. on 12-1-1915. Not provided for in R.E., as it was not then anticipated. |
| 69 | Providing other footpaths | 600 | 375 | Paid in full. |
| 70 | Petty Works | 100 | 172 | Includes regulation fees paid to Government Solicitor, not anticipated. |
| | Total ... | 96,385 | 44,715 | |
| | (b) Buildings. | | | |
| 1 | Constructing a bathing fountain in Basin Bridge Road at the junction of Mint Street. | 530 | ... | Estimate revised during the year. |
| 3 | Constructing a compound wall for additional land of Corporation Workshop and Stores | 2,000 | 134 | Tender accepted on 26-2-1915. |
| 4 | Constructing a room in the upper floor of the Superintendent's quarters, Robinson Park | 810 | ... | In progress. |
| 5 | Constructing two flush-out latrines in Velayudha Chetti Street with 4' connection from Harris Road | 2,960 | 391 | Completed. |
| 10 | Constructing a sanded latrine for Ellapatha Matha Kovil Paracherry... .. | 1,100 | 962 | Paid in full. |
| 11 | Extending Olcott Free Panchama School buildings, Kistnampet | 4,000 | 3,402 | Completed. |
| | Carried over... | 11,390 | 4,889 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|-------------------------|
| | Brought forward ... | 11,390 | 4,889 | |
| | GRANT I.—Public Works—(contd.) | | | |
| | I. NEW WORKS (contd.) | | | |
| | (b) Buildings.(contd.) | | | |
| 12 | Constructing a room on the 1st floor of the Damodar Free School, Teynampet ... | 1,200 | 1,200 | Paid in full. |
| 16 | Constructing 4 Model Schools, 1913-14— ... | | | |
| | (a) In Goyatope, Egmore ... | | 13,093 | Completed. |
| | (b) In Nungambakam, near Aziz Mulk Street, Thousand Lights ... | | 13,414 | Do. |
| | (c) In Vasapmodu Paracherry, George Town ... | | ... | Site not cleared yet. |
| | (d) In Bell's Road, Triplicane ... | | ... | In progress. |
| 17 | Constructing 4 Model Schools, 1914-15— ... | | | |
| | (a) In Rama Naick Street, Nungambakam. ... | | 11,277 | In progress. |
| | (b) In Venkatrangam Pillai Street, Triplicane. | | 3,866 | Do. |
| | (c) In Angappa Naick Street, George Town ... | | ... | Do. |
| | (d) In Salai Vinayagar Kovil Street, Basin Road ... | | ... | Not begun. |
| 22 | Installing a convertible latrine of 32 seats in Polu Naicken Street, Perambur ... | 2,760 | 375 | In progress. |
| 23 | Installing a flush-out latrine of 36 seats between Thoppai Mudali Street and Rama Naick Street, Tondiarpet ... | 2,780 | 2,502 | Completed. |
| 24 | Installing a flush-out latrine of 10 seats for the Model School at Sanjiviroyanpet ... | 1,225 | 985 | Do. |
| 25 | Installing two flush-out latrines, each of 12 seats, between Thambu Chetti Street and Shaik Maistri Street, Tondiarpet ... | 3,000 | ... | Not begun. |
| 26 | Acquisition of land and building in R. S No. 3061 of George Town, in Thambu Chetti Lane, for the construction of a flush-out latrine ... | 800 | ... | Land under acquisition. |
| 32 | Constructing a Model Paracherry of 34 tenements in Cemetery Road ... | 19,780 | 13,725 | Nearing completion. |
| 34 | Improvements to the Dhobykhana at Chetput ... | 11,270 | 11,054 | Works completed. |
| 35 | Acquisition of open lands and constructing 200 model houses in Suparigunta Paracherry ... | 64,500 | ... | Under correspondence. |
| | Carried over ... | 1,75,655 | 76,380 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|--|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 1,75,655 | 76,380 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | I. NEW WORKS—(Contd.) | | | |
| | (b) Buildings—(Contd.) | | | |
| 36 | Improvements to Passport Office, Tiruvathur High Road and constructing an office building for Sanitary Inspector and Conservancy Overseer &c | 4,000 | ... | In progress. |
| 37 | Constructing a small incinerator at Medawaukam Tank Road | 120 | ... | Abandoned. |
| 38 | Fixing additional central M. R. C. rail posts for the manger in A Depot Bullock shed recently constructed in the Basin Bridge Road | 310 | 338 | Paid in full. |
| 39 | Constructing a male and female sanded latrine at the Dhobykhana, Chetpet | 1,050 | 1,075 | Do |
| 40 | Acquisition of land and superstructures in R. S. Nos. 457/1, 457/2, 458, and 459 of Mylapore for the extension of Royapettah Hospital for constructing stables and servants' room | 10,000 | 10,678 | Do. Excess sanctioned by S. C. on 11-12-14. |
| 41 | Erecting a pipe fencing around the New Bear's cage in People's Park | 535 | 536 | Paid in full. |
| 42 | Repairing and fencing the Emus and Cassovary cages | 200 | ... | Completed. |
| 43 | Fencing the small deer enclosure | 235 | 166 | In progress. |
| 44 | Forming roadways round New Bear's cage in the menagerie enclosure, People's Park | 350 | ... | Not begun. |
| 45 | Constructing a bear's cage in the menagerie enclosure, People's Park | 580 | 471 | Paid in full. |
| 46 | Constructing an aviary in People's Park | 2,690 | 1,372 | Do. Minor works abandoned. |
| 47 | Constructing a shed for dogs near the Basin Bridge Road incinerator | 400 | ... | Not begun. |
| 48 | Acquisition of land and buildings in R. S. Nos. 3 and 4/1a and (2) of Nungambakam in Mount Road for reselling the land for building decent premises | 13,000 | 12,841 | Paid in full. |
| 49 | Constructing a sub-store shed for the 7th Division in Nambulier Street, George Town | 620 | ... | Abandoned. |
| 50 | Constructing a masonry incinerator with a 15' W. 1. chimney in Chinnababu Street, Oobrapalyam | 240 | 232 | Paid in full. |
| 51 | Constructing quarters for nurses in the Lying-in-Hospital, Moneghar Choultry Road | 13,750 | 4,588 | In progress. |
| 52 | Constructing quarters for 6 Indian nurses near Royapettah hospital | 1,085 | 1,635 | Paid in full. Excess due to additional Sanitary fittings &c. |
| | Carried over ... | 2,24,820 | 1,10,312 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|--|------------------|------------------|---|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward .. | 2,24,820 | 1,10,312 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | 1. NEW WORKS—(Contd.) | | | |
| | <i>(b) Buildings—(Contd.)</i> | | | |
| 53 | Constructing a kitchen and store-room in the Lying-in-Hospital, Moneghar Choultry Road | 600 | ... | This was provided for arrear work, but was found to be unnecessary. |
| 54 | Constructing a compound wall in the Lying-in-Hospital, Moneghar Choultry Road ... | 350 | 301 | Paid in full. |
| 55 | Constructing a corrugated iron shed for the new Gram Depot at the Corporation workshop | 1,170 | 377 | Completed. |
| 56 | Extending a Manual Fire Engine shed at B i Police Station | 430 | 430 | Paid in full. |
| 57 | Increasing the bays in bullock slaughter House, Perambur, and providing partition for the same | 2,000 | 1,832 | Completed. |
| 58 | Fixing a weigh-bridge at the Roller Shed, Madras Club | 700 | ... | Weigh-bridge not fixed yet. |
| 59 | Shifting Road Roller shed at the 18th Division Overseer's stores and acquisition of the site for the same | 720 | ... | Completed. |
| 60 | Constructing quarters for the Superintendent, sheep slaughter house, Perambur ... | 200 | 171 | Paid in full. |
| 61 | Constructing a timber godown, 124½ft. x 14½ft. with corrugated iron sheet by raising 1 foot masonry block with the existing wall at the Corporation Stores. | 230 | ... | This was provided for arrear work, but was found to be unnecessary. |
| 62 | Extending the provision and store-room of the Royapettah Hospital | 180 | 21 | Paid in full. |
| 63 | Constructing a compound wall round the 20th Division Stores and Fire Engine shed at Kistnampet | 380 | 383 | Do. |
| 64 | Constructing a Main Gate, covered drain and compound wall with W. I. railings for the new Municipal Office Buildings | 2,490 | 1,661 | Do. |
| 65 | Covering the latrine at old regimental lines with corrugated iron sheets | 120 | 127 | Do. |
| 66 | Rebuilding the compound wall of the Police Station opposite to Messrs. Spencer & Co., to widen Pattalows Road | 300 | 262 | Do. |
| 67 | Constructing 4 restaurants over the existing evening bazaar buildings near Moore Market | 6,260 | 637 | Completed. |
| 68 | Constructing houses for the people to be evicted from Nariangadu and constructing Model cottages for poor Anglo-Indians in Pudupet including sanitary fittings and water-supply | 12,130 | 11,708 | Do. |
| | Carried over ... | 2,53,080 | 1,28,222 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|--|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 2,53,080 | 1,28,222 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | 1. NEW WORKS—(Contd.) | | | |
| | (b) Buildings—(Contd.) | | | |
| 69 | Acquisition of land for widening the road and construction of a central fire station at Pudupet including the excess awarded by the Court for acquisition | 6,365 | 5,132 | Paid in full. |
| 70 | Constructing quarters for 2 Sub-Assistant Surgeons of the New Royapettah Hospital, including compound wall, sanitary and electric fittings | 3,680 | 2,665 | Completed. Electric installation was in progress. |
| 71 | Acquisition of land behind Ice House Road Pumping Station and constructing a pail depot | 1,820 | 1,745 | Completed. |
| 72 | Acquisition of land in R. S. No. 411 of Egmore for the extension of the Corporation Day School at Chetpet | 120 | 118 | Paid in full. |
| 73 | Extending the building of the Corporation Day School at Chetpet | 2,065 | 2,066 | Do. |
| 74 | Constructing New Corporation Office buildings | 60,400 | 41,069 | Some minor works were completed and some were in progress. |
| 75 | Construction of small incinerators ... | 740 | 649 | In progress. |
| 76 | Acquisition of sites for Model Schools, 1913-14.— | | | |
| (a) | Sites in R. S. Nos. 2704 and 2705 of George Town in Salai Vinayagar Kovil Street ... | | 7,868 | Paid in full. |
| (b) | Sites in R. S. Nos. 2332 to 2336 of George Town in Vasapmodu Paracherri | | 8,215 | Do. |
| (c) | Sites in R. S. Nos. 7868 (part) of George Town in Anna Pillai Street | | 7,524 | Do. |
| (d) | Sites in R. S. Nos. 8935 to 8948 of George Town at the junction of Edapalayam and Hanumantarayan Kovil Streets | | 23,090 | Do. |
| (f) | Sites in R. S. No. 162 (part) of Perambur in Pulliantope Road | | ... | Under correspondence. |
| (h) | Sites in R. S. Nos. 1230 to 1233, 1234 (part) of Chintadripet in Singanna Chetti Street ... | 84,105 | 9,212 | Do. |
| (i) | Sites in R. S. No. 2652 of Triplicane in Bells Road | | 20,981 | Paid in full. |
| (j) | Sites in R. S. No. 1340 of Triplicane in Triplicane High Road | | 6,570 | Do. |
| (k) | Sites in R. S. Nos. 174, 175 and part of 97 in Ammayappa Mudali Street, Mylapore ... | | 7,366 | Do. |
| (l) | Sites in R. S. No. 4567 of Mylapore near Rifle Range | | ... | Under correspondence. |
| | Carried over ... | 4,12,375 | 2,72,492 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|---|
| | | Rs. | Rs. | |
| | Brought forward .. | 4,12,375 | 2,72,492 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | 1. NEW WORKS—(Contd.) | | | |
| | (b) Buildings—(Concl'd.) | | | |
| 77 | Acquisition of additional land in R. S. No. 2605 of Triplicane for the use of the Model School in Venkatarangam Pillai Street ... | 950 | 868 | Paid in full. |
| 78 | Acquisition of land and buildings in R. S. Nos. 325 to 329 of Tondiarpet in Madab Church East Side Road for the construction of a Model School ... | 8,000 | ... | Land under acquisition. |
| 79 | Construction of 4 Model Schools :— | | | |
| | (a) At Arunachala Naick St., Chintadripet... } | | 243 | Completed. |
| | (b) At Ammen Kovil Street, 7th Division ... } | 12,650 | 440 | Paid in full. |
| | (c) At Mint Subrayalu Naidu Street ... } | | 5,369 | Completed. |
| | (d) At Mandavalli Street, Mylapore ... } | | 2,203 | Paid in full. |
| 80 | Construction of 2 Model Schools :— | | | |
| | (a) At Vakkaikaren Street, Purasawakum... } | 1,500 | 358 | Paid in full. |
| | (b) At Poonamallee High Road, Periamet... } | | | |
| 81 | Additions to the existing Motor Fire Engine Shed ... | 9,000 | ... | Not begun. |
| | Acquisition of land in R. S. No. 1293 in Sirdar Jung Garden Street for the construction of a flush-out latrine ... | ... | 1,546 | Paid in full. This was not provided for in the R. E. of 14-15, but was paid during the year from savings. |
| 82 | Constructing quarters for European Motor Fire Engine drivers ... | 9,500 | ... | Not begun |
| 83 | Petty Works ... | 1,400 | 652 | |
| | Total ... | 4,55,375 | 2,84,171 | |
| | (c) Drainage—Special. | | | |
| | Madras Main Drainage. | | | |
| 1 | Law College and Royapuram Pumping Stations— | | | |
| | Buildings ... | ... | ... | Completed. |
| | Machinery ... | ... | ... | Do. |
| | Alterations to sewers and pumping mains .. | 100 | ... | Do. |
| | Constructing flush-out latrine for Engine drivers &c., at Law College Pumping Station. | ... | ... | Do. |
| 2 | Open channel at Sewage Farm, New Road, Bridges, Sluices, &c. ... | | | |
| | | 2,000 | 1,957 | Do. |
| | Carried over ... | 2,100 | 1,957 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | Remarks. |
|------|---|-------------------------|------------------------------|-------------------|
| | | Rs. | Rs. | |
| | Brought forward ... | 2,100 | 1,957 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | 1. NEW WORKS (Contd.) | | | |
| | (c) Drainage—Special—(Contd.) | | | |
| | Madras Main Drainage—(Contd.) | | | |
| 3 | Raising existing 36" cast iron pipes at Sewage Farm and relaying them together with certain new pipes and specials as a raising main from Royapuram Pumping Station to the Belmouth Chamber at the head of 4 ft. 6 inch sewer ... | 100 | Cr. 549 | Completed. |
| 4 | Circular Brick sewer 5 feet 6 inches and 4 feet 6 inch diameter to carry all the sewage from Suryanarayana Chetty Street, Georgetown and Tondiarpet to the Farm Pumping Station ... | 13,000 | 11,864 | Do. |
| 5 | Sewage Farm Pumping Station buildings, sewers, overflows, &c. ... | 20,000 | 15,578 | In progress. |
| 6 | Machinery ... | ... | ... | |
| 7 | Laying 36 inch brick gravitation main from near Paracherry Road to the Farm Station. | ... | ... | |
| 8 | Sewage farm work ... | 100 | ... | Completed. |
| 9 | Laying 16 inch cast iron main pipe from Law College Pumping Station to Royapuram Pumping Station... .. | 100 | ... | Do. |
| | Tondiarpet Drainage. | | | |
| 10 | Stoneware pipe sewers ... | 30,000 | 37,696 | Completed. |
| 11 | Cast iron pipe sewers ... | 5,000 | 3,956 | Do. |
| 12 | Brick sewers ... | 100 | ... | Do. |
| 13 | Manholes ... | 20,000 | 19,582 | Do. |
| 14 | General, i.e., ventilating columns, timber left in trenches, flushing chambers and restoring road surfaces ... | 2,000 | 416 | Nearly complete. |
| 15 | House connection to sewers ... | 2,500 | 7,579 | Do. |
| 16 | Overflows (A. B. & C.) ... | 100 | 68 | Completed. |
| 17 | Pumping Stations, including Engine Houses, Receiving Chambers, Office Tools and Store Room, Latrine, Compound Wall, Machinery, etc. | | | |
| | A. Station ... | | | |
| | B. Do. ... | | | |
| | C. Do. ... | 5000 | 7,186 | Do. |
| 18 | Acquisition of Land ... | ... | ... | Do. |
| 19 | Contingencies ... | 1,000 | 30 | |
| 19-A | 25 sets of medium size storm water separators for Tondiarpet ... | 3,500 | 3,593 | Nearly completed. |
| | Carried over ... | 1,04,600 | 1,08,956 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | Remarks. |
|------|---|-------------------------|------------------------------|----------------------|
| | | Rs. | Rs. | |
| | Brought forward ... | 1,04,600 | 1,08,956 | |
| | GRANT I.—Public Works—(contd). | | | |
| | I. NEW WORKS—(contd). | | | |
| | <i>(c) Drainage—Special—(contd.)</i> | | | |
| | <i>Miscellaneous Works.</i> | | | |
| 20 | Laying sewers as may be required ... | 2,000 | 1,585 | |
| 21 | Fixing venturi meters for the Pumping Stations ... | ... | ... | Completed. |
| 22 | Raising manholes and fitting covers ... | 200 | 68 | Do. |
| 23 | Extending Engine house at DeMellow's Road Pumping Station including machinery ... | 100 | ... | Do. |
| 24 | Sewage level and pump pressure recorders... | ... | ... | Do. |
| 25 | Alterations to existing pumping station mains, silt pits and screening chambers ... | 100 | ... | |
| 25-A | New Sewage Farm, Tondiarpet ... | 5,000 | 6,073 | Survey in progress. |
| 26 | Petty works ... | 500 | 54 | |
| 26-A | Temporary Pumping Station at Pycroft's Road ... | 3,000 | 138 | Work in progress. |
| | <i>General Scheme.</i> | | | |
| 27 | Drainage of Mylapore Area ... | ... | ... | |
| 28 | Do. Ice House Road Area ... | 10,000 | 3,239 | |
| 29 | Do. Edward Elliot's Road Area ... | ... | ... | |
| 30 | Do. Napier Park Area ... | 10,000 | 555 | Well work commenced. |
| 31 | Do. Graem's Road Area ... | ... | ... | |
| 32 | Do. Lang's Garden Area ... | 820 | 537 | |
| 33 | Do. Purasawakkam Area ... | 5,000 | 7,692 | Work in progress. |
| 34 | Do. Law College Area ... | 5,000 | ... | |
| 35 | Do. Royapuram Area ... | 10,000 | 2,254 | Work started. |
| 36 | Allowance for Drainage of Tondiarpet, North Area ... | 2,000 | ... | |
| 37 | Gravitation mains, intercepting sewers, &c... | 35,000 | 32,619 | |
| 38 | Pumping mains, branch mains, &c. ... | 2,500 | ... | |
| 39 | Open channel extensions ... | ... | ... | |
| 40 | Sewage Farm extensions and sewage distribution channels ... | ... | ... | |
| | Carried over ... | 1,95,820 | 1,63,770 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | Remarks. |
|-----|---|----------------------------|---------------------------------|---------------|
| | | Rs. | Rs. | |
| | Brought forward ... | 1,95,820 | 1,63,770 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | I. NEW WORKS—(Contd.) | | | |
| | (c) <i>Drainage—Special—(contd.)</i> | | | |
| | <i>Various other items.</i> | | | |
| 41 | Supplies and services (Home charges) ... | 5,000 | 5,205 | |
| 42 | Miscellaneous ... | 15,000 | 20,156 | |
| 43 | Constructing store-shed of 110 ft. for the use of drainage stores at Napier Park ... | 500 | ... | Completed. |
| 44 | Stores (Suspense account) ... | 1,00,000 | 1,23,372 | |
| 45 | Sinking trial holes in different parts of Madras ... | 500 | 325 | |
| 46 | Removing and relaying sewers in Waller's Road and Nagappa Mudaly Street ... | 500 | 687 | |
| 47 | Office latrine in Lafand Street ... | ... | Cr. 990 | |
| | | 3,17,320 | 3,12,525 | |
| | Realization by sales of stores ... | Cr.1,00,000 | Cr. 81,471 | |
| | Total ... | 2,17,320 | 2,31,054 | |
| | (c) <i>Drainage—Ordinary.</i> | | | |
| 1 | Construction of side drains:— | | | |
| (a) | Covering the remaining portion of Muthu Mudali Street drain in Vyasarpady with Cuddappah slabs ... | 630 | 619 | Paid in full. |
| (b) | Constructing 4 in. masonry drain in Nancy St. | 410 | 381 | Do. |
| (c) | Laying 6 in. sewer stone ware pipes with head manhole and also constructing a manhole in Sattana Naicken Street, Chulai... .. | 440 | 441 | Do. |
| (d) | Constructing side drain and silt pit in Muthu Naicken Street, Chulai | 410 | 44 | Completed. |
| (e) | Constructing a drain in Arunachella Panda- ram Street | 500 | .. | In progress. |
| (f) | Acquisition of a portion of land and super- structure in R. S. No. 536 of Egmore, for sewer main near Perumall Reddi Street ... | 800 | ... | Abandoned. |
| (g) | Linking up dead ends of main sewers in Male Asylum Road | 275 | 224 | Paid in full. |
| (h) | Constructing a 9 in. side drain in Pycroft's Road, Triplicane, at the junction of Chella Pilliar Covil Street | 325 | 284 | In progress. |
| (i) | Constructing a manhole in Paripurana Vi- nayagar Covil Street, Mylapore | 140 | 35 | Do. |
| (j) | Constructing a manhole in Thengoor Selva Vinayagar Covil Street, Mylapore | 310 | 78 | Do. |
| | Carried over ... | 4,240 | 2,106 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|---|------------------|------------------|---------------|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 4,240 | 2,108 | |
| | GRANT I.—Public Works (contd.) | | | |
| | I. NEW WORKS (contd.) | | | |
| | (c) Drainage—Ordinary—(contd.) | | | |
| (k) | Constructing manholes in Adanja Mudali Street, Mylapore | 275 | 60 | In progress. |
| (l) | Constructing a manhole in Singara Naicken Street, Mylapore | 140 | 30 | Do. |
| (m) | Constructing a manhole in Muthuram Mudali Street, Mylapore | 140 | 26 | Do. |
| (n) | Constructing manhole in Mandavalli Street, Mylapore | 460 | 108 | Do. |
| (o) | Constructing manholes in Brodies' Road, Mylapore | 160 | 97 | Do. |
| (p) | Diverting the drain to widen Singanna Chetty Street and doing house connections at the above place | 1,400 | 982 | Completed. |
| (q) | Constructing storm water separator and side drain connections into the existing sewer at Vasapmode Paracherry | 480 | 483 | Paid in full. |
| (r) | Constructing a masonry side drain and connecting 6 in. storm water drain to the existing main in Scavengers' Lane, Nagappier Street, Tiruvatteswarenpet | 350 | 347 | Do. |
| (s) | Constructing a drain in the northern side of Purasawakam High Road | 840 | 833 | Do. |
| (t) | Reconstructing house connections in Shaik Davood Saib Street, Triplicane | 390 | 395 | Do. |
| (u) | Constructing a 9 in. masonry side drain in Angalammen Kovil Street west side, both north and south of Ashtabujam Road, from Vijiavigneswarer Koil Street to the cesspool near the culvert on the north | 975 | 541 | Do. |
| (v) | Constructing a 9 in. masonry drain in Angalammen covil Street, east side, from Vijiavigneswarer covil Street to the cesspool near the Culvert on the north | 1,110 | 1,111 | Do. |
| 2 | Drainage of Slaughter House with arrangements for preliminary treatment and pumping of the sewage to the head of the nearest sewer leading to DeMellow's Road Pumping Station | 5,000 | 3,182 | Do. |
| 3 | Petty Works | 2,000 | 557 | Do. |
| | Total ... | 17,960 | 10,858 | |

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

Part I.—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|-------------------|
| | | Ks. | Rs. | |
| | GRANT I.—Public Works—(contd). | | | |
| | 1. NEW WORKS—(contd). | | | |
| | <i>(d) Water Supply—Special.</i> | | | |
| | <i>Main Works.</i> | | | |
| 1 | Completing the outlet tower at Red Hills and Bridge ... | 4,000 | 3,392 | Completed. |
| 2 | Settling basin and valve house .. | 18,000 | 15,712 | Do. |
| 3 | Conduit 7 miles long from settling basin to filter beds ... | 12,000 | 10,016 | Do. |
| 4 | Filter beds ... | 30,000 | 30,969 | Do. |
| 5 | Filtered water reservoir ... | 1,000 | 408 | Do. |
| 6 | Engine and Boiler House and Engine foundations, pump well and chimney ... | 25,000 | 39,232 | Do. |
| 7 | Engines, pumps and boilers ... | 1,00,000 | 1,01,950 | Do. |
| 8 | Elevated tank (1) Steel tank ... } (2) Masonry substructure... } | 65,000 | 59,094 | Do. |
| 9 | Other Works—Subsidiary buildings ... | 1,000 | ... | Do. |
| 10 | Pumping main ... | 10,000 | 8,857 | Do. |
| 11 | Land-fencing round filter beds, etc. ... | 5,000 | ... | Work in progress. |
| 12 | Connection between delivery channel and filter beds ... | 5,000 | ... | Completed. |
| | <i>Distribution Works.</i> | | | |
| 13 | Pipes, specials, valves, meters, including laying | 2,50,000 | 2,93,808 | Work in progress. |
| 14 | Masonry works connected with Distribution works ... | 10,000 | 6,578 | Do. |
| 15 | Connections to existing and new system at Kilpauk Shaft ... | 10,000 | 14,194 | Completed. |
| 16 | Contingencies ... | 12,000 | 13,715 | |
| | <i>Other Items.</i> | | | |
| 17 | Supplies and Services (Home charges) ... | 7,000 | 5,883 | |
| 18 | Miscellaneous such as tools and plant, etc. ... | 3,000 | 6,855 | |
| 19 | Stores (Suspense account) ... | 50,000 | 59,604 | |
| | | 6,18,000 | 6,70,267 | |
| | Realization by sales of stores ... | Cr. 80,000 | Cr. 91,446 | |
| | Total ... | 5,38,000 | 5,78,821 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|--------------------------------|--|------------------|------------------|---------------|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| GRANT I.—Public Works—(Contd.) | | | | |
| 1. NEW WORKS—(Contd.) | | | | |
| (d) Water-Supply (Ordinary.) | | | | |
| 1 | Purchasing and Fixing meters :— | | | |
| (a) | Fixing a meter to the service connection in No. 5, Candappa Chetti Street ... | 175 | 128 | Completed. |
| (b) | Fixing a meter to the service connection in house No. 2/143, Anna Pillai Street ... | 210 | 165 | In progress. |
| (c) | Fixing a meter to the service connection in house No. 1/143, Anna Pillai Street ... | 185 | 141 | Completed. |
| (d) | Fixing a meter to the service connection in house No. 133, Anna Pillai Street ... | 125 | 81 | Do |
| (e) | Fixing a meter to the service connection in house No. 2, Chinnathambi Chetti Street ... | 190 | 146 | Do |
| (f) | Fixing a meter 1 in. and constructing a house for the same to premises No. 302, Tiruvathur High Road ... | 200 | 98 | Do |
| (g) | Manufacturing 5 C. I. meter doors, 2½ ft. × 2 ft. for Water Works Overseer, 6th and 7th Divisions ... | 200 | 190 | Paid in full. |
| (h) | Manufacturing 1 W. I. meter door, 2½' × 1½'; 1 W. I. meter door, 2' × 2'; 2 W. I. meter doors, 3' × 2' for Water Works Overseer, 10th and 11th Divisions ... | 145 | 94 | In progress. |
| (i) | Substituting a new 2" disc meter in lieu of old 4 in. meter at No. 1, Rundall's Road ... | 220 | 211 | Completed. |
| (j) | Manufacturing and supplying 12 W. I. meter boxes, 3' × 2½' for Water Works Overseer 18th and 15th (A) Divisions ... | 365 | 336 | Do |
| (k) | Manufacturing 12 meter doors, W. I. 3 ft. × 2½ ft. for Water Works Overseer, 16th and 17th Divisions ... | 385 | 361 | Do |
| (l) | Manufacturing 6 meter doors, T. W. with lock, 2½ ft. × 2 ft. for Water Works Overseer, 14th and 15th Divisions ... | 110 | 114 | Do |
| (m) | Manufacturing and supplying 6 C. I. meter doors 3 ft. × 2½ ft. for Water Works Overseer, 8th and 9th Divisions ... | 270 | 259 | Do |
| (n) | Manufacturing and supplying 6 C. I. meter doors, 3 ft. × 2½ ft. for Water Works Overseer, 8th and 9th Divisions. | 270 | 253 | Do |
| (o) | Manufacturing 10 meter doors 3ft. × 2½ ft. for Water Works Overseer, 18th and 15th (A) Divisions ... | 640 | 546 | Do |
| (p) | Fixing a 1½ in. meter to Government Hobart Girl's School in White's Road ... | 135 | 85 | Do |
| (q) | Fixing a 1½ in. meter for Wesley College Hostel in White's Road ... | 150 | 102 | Do |
| | Carried over ... | 3,975 | 3,290 | |

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

Part I.—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|--|------------------|------------------|---------------|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 3,975 | 3,290 | |
| | GRANT I.—Public Works (contd.) | | | |
| | I. NEW WORKS (contd.) | | | |
| | (d) Water-Supply (Ordinary) (contd.) | | | |
| (r) | Fixing a 2 in. meter to the service pipe in R. Maclure's Aerated Water Factory in Waller's Road | 260 | 214 | Completed |
| (s) | Fixing meters—Petty works | 2,765 | 1,212 | |
| II | Purchasing and fixing hydrants :— | | | |
| (a) | Manufacturing 100 C. I. fire hydrant plates and supplying 400 country nails for Waterworks Overseer, 4th and 5th Divisions ... | 285 | 259 | Completed. |
| (b) | Manufacturing 150 C. I. fire hydrant plates for Waterworks Overseer, 1st to 3rd Divisions | 265 | 244 | Do. |
| (c) | Manufacturing 94 fire hydrant plates with nails and 27 fire hydrant plates with iron posts for Waterworks Overseer, 10th and 11th Divisions | 350 | 328 | Do. |
| (d) | Manufacturing 130 fire hydrant plates and supplying nails for Waterworks Overseer, 10th and 11th Divisions | 275 | 262 | Do. |
| (e) | Manufacturing 14 iron doors 3 ft. x 2½ ft. with lock and key equilibrium valves 1½ ft. x 6 in. equilibrium valves ½ in. for Waterworks Overseer, 19th and 20th Divisions ... | 500 | 379 | Do. |
| (f) | Manufacturing 2 W. I. covers 3 ft. x 3 ft. 1 C. I. cover 2 ft. x 3 ft. for Waterworks Overseer, 10th and 11th Divisions | 135 | 88 | Do. |
| (g) | Fixing hydrants—Petty works | 320 | 363 | |
| III | Minor works under water-supply including Petty works :— | | | |
| 1 | Cleaning 2 in. pipes in Badrian Street from Guruvappen Street | 130 | 124 | Paid in full. |
| 2 | Fixing 2 fountains in Venkatrangam Pillai Street for the use of Oddars' hutting ground | 190 | 117 | Completed. |
| 3 | Excavating, removing, cleaning, tarring and relaying 1,500 feet of 3 in. and 2½ in. cast iron pipes in Ammayappa Mudali Street ... | 720 | 519 | Paid in full. |
| 4 | Cleaning a pipe in Ammen Kovil Street, Royapettah | 430 | 332 | Completed. |
| 5 | Fixing a fountain in Ellapatha Madah Kovil Paracherry | 260 | 225 | Do. |
| 6 | Cleaning 3 in. 2½ in. and 2 in. pipes in Muthu Mudali Street, Royapettah | 430 | 324 | Do. |
| | Carried over ... | 11,290 | 8,280 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|---|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 11,290 | 8,280 | |
| | GRANT I.—Public Works (contd.) | | | |
| | 1. NEW WORKS (contd.) | | | |
| | (d) Water-Supply (Ordinary) (contd.) | | | |
| 7 | Cleaning 3 in. main in Thambu Chetty Street between Krishnan Kovil Street and Mettu Street | 160 | 117 | Paid in full. |
| 8 | Cleaning 1,870 feet of 2½ in. and 2 in. pipes in Casa Major Road from 5 in. main in Pantheon Road up to the fountain at the junction of Spur Tank Road | 240 | 155 | In progress. |
| 9 | Cleaning 1,860 feet of 2½ in. pipes in Halls Road from 7 in. main in Egmore High Road up to the junction of Casa Major Road ... | 230 | 145 | Do. |
| 10 | Removing old 1 in. pipe and laying 2 in. cast iron pipe from the main of 4 in. to a distance of 450 feet in order to fix an additional tap in Hospital Plain in Avadanam Paupier Road | 350 | 337 | Completed. |
| 11 | Cleaning 850 feet of 3 in. and 850 feet of 2½ in. pipe in Office Venkatachella Mudaly Street. | 470 | 280 | Do. |
| 12 | Constructing a water trough at the junction of Kesavier Street and Ponnappa Chetty Street | 115 | ... | Work stopped. |
| 13 | Excavating, removing, cleaning, tarring and relaying 2,700 feet of 4 in. and 5 in. C. I. pipes in San Thome High Road from St. Lazarus Church up to San Thome School... .. | 700 | 529 | In progress. |
| 14 | Acquisition of land in R. S. Nos. 1090 and 1020 in Monegar Choultry Road for laying a 9 in. water pipe and valve | 400 | ... | Under aquisition. |
| 15 | Excavating, removing, cleaning, tarring and relaying 2,200 ft. of 3 in. pipe and removing and re-connecting 20 house connections, 8 fountain connections and 3 hydrant connections in East Madah Church Street | 140 | ... | This was provided for arrear work but was found to be unnecessary. |
| 16 | Cleaning 1,900 feet of 3 in. main pipe in Pathala Vigneswarer Covil Street ... | 165 | ... | Do. |
| 17 | Laying 1½ in. pipes for 870 feet and fixing 4 fountains with pumps 1½ in. in Washer Varadappen Alley, Nannian Maistri Alley and Irusappa Maistri Street | 110 | ... | Do. |
| 18 | Cleaning 3 in. main in Muthumari Chetti Street | 270 | ... | Do. |
| 19 | Cleaning 4 in. main in Mofuskhan gate to its full length and connecting the same with the main in Thatha Muthiappen Street and fixing a single tap fountain | 630 | ... | Do. |
| 20 | Cleaning 2 in. pipe in Budda Saib Street and connecting the gap | 105 | ... | Do. |
| 21 | Cleaning 3 in. pipe from Mint Street (via) Ponnappa Chetty Street and Kesavier Street | 120 | ... | Do. |
| | Carried over ... | 15,495 | 9,843 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|--|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 15,495 | 9,843 | |
| | GRANT I.—Public Works (contd.) | | | |
| | I. NEW WORKS (contd.) | | | |
| | <i>(d) Water-Supply (Ordinary) (contd.)</i> | | | |
| 22 | Cleaning 1,600 feet of 3 in. and 2½ in. C. I. pipe in Kalathiappa Mudali Street from 27 in. main in Hunter's Road up to Vichur Muthia Mudali Street junction ... | 135 | ... | This was provided for arrear work but was found to be unnecessary. |
| 23 | Excavating, removing, cleaning and relaying 1,000 feet of 7 in. main in Maddox Street from Vepery High Road to General Collins Road ... | 210 | ... | Do. |
| 24 | Cleaning 2½ in. C. I. pipe in Venkatarangam Pillai Street from Pycroft's Road to Sunkuwar Street ... | 200 | 80 | Arrear work. Paid in full. |
| 25 | Cleaning 1,300 feet of 2½ in. C. I. pipe in Male Asylum Road from the 30 in. main up to the junction of Whannel's Road ... | 170 | 132 | Work stopped for want of pipes. |
| 26 | Laying 650 feet of 4 in. C. I. pipe from 4 in. main in Farrens Road junction of Cook's Road to the Salvation Army Settlement ... | 775 | 775 | Paid in full. |
| 27 | Fixing fountain in Musthura Begum Pettah Street ... | 170 | ... | Carried cut by Special Malaria Department. |
| 28 | Fixing a fountain in Mawady Vinayagar Covil Street ... | 170 | ... | Do. |
| 29 | Petty works ... | 1,495 | 600 | |
| | Total ... | 18,820 | 11,430 | |
| | <i>(e) Miscellaneous.</i> | | | |
| 2 | Opening a road from Venkata Maistri Street to Ammen Kovil Street ... | 3,900 | 2,230 | Land acquired. |
| 3 | Extending Govindappa Naick Lane to Avadanam Paupier Lane by acquiring land and building in R. S. No. 2026 of Purasawakam. | 2,500 | 1,974 | Paid in full. |
| 4 | Acquisition of land for the extension of road in Hospital Plain, Chulai ... | 2,000 | 2,811 | Paid in full. Excess sanctioned by S. C. on 19-3-1915. |
| 5 | Acquisition of land in R. S. No. 1054 of Swami Pillai Street to connect Vadhyar Canda Pillai Street with Sawmy Pillai Street, Chulai ... | 5,110 | 4,940 | Land acquired. |
| 6 | Acquisition of land and buildings in R. S. No. 167 of Triplicane for the extension of Pachiappa Chetty Street to Triplicane High Road ... | 4,500 | 2,589 | Paid in full. Low award due to re-alignment. |
| 7 | Acquisition of land in R. S. No. 780 of Triplicane for connecting Muhammad Hussain Street with Javar Hussain Khan Street .. | 130 | 160 | Paid in full. Excess sanctioned by S. C. on 12-1-1915. |
| 8 | Acquisition of land and structure in R. S. No. 1192 of Egmore in Harris Road for a cart stand ... | 450 | ... | Under acquisition. |
| | Carried over ... | 18,590 | 14,704 | |

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

Part I—New Works—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|---|
| | | Rs. | Rs. | |
| | Brought forward ... | 18,590 | 14,704 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | 1. NEW WORKS—(Contd.) | | | |
| | (e) Miscellaneous—(contd.) | | | |
| 10 | Extension of Cassimodu Cemetery ... | 8,855 | 8,798 | Paid in full. |
| 11 | Pay of Special Deputy Collector for acquisition of land and his staff ... | 15,000 | 13,694 | |
| 12 | Acquisition of land and building in R. S. Nos. 512/1, 512/2, 512/3, 512/4, 512/5 and 512/6 of Vepery for the extension of the park in Peddunaick Street ... | 9,000 | ... | Under correspondence. |
| 13 | Putting up two tennis courts for the employees of the Corporation ... | 1,000 | 501 | In progress. |
| 14 | Raking out the ground and filling in sand at the proposed park in Peddu Naick Street. | 510 | ... | In progress. Estimate revised for Rs. 550 was sanctioned by S. C. on 29-1-1915. |
| 15 | Acquisition of additional land in R. S. No. 5040, George Town, for relief of congestion in Kachaleswarer hutting ground ... | 3,500 | ... | Abandoned. |
| 16 | Acquisition of additional narrow strip of land in Kachaleswarer hutting ground for relief of congestion ... | 250 | ... | Do. |
| 17 | Constructing a compound wall with gates on three sides for Peddunaickpet Park ... | 1,700 | 1,416 | Paid in full. |
| 18 | Acquisition of land and building in R. S. Nos. 4/1 (part), 4/2, and 4/3 of Nungambakam opposite the Madras Stable Company, in Mount Road, for building sites ... | 5,920 | 5,921 | Do. |
| 19 | Acquisition of a portion of land in R. S. No. 233, at Kaliman Paracherry, for connecting the street with Thayar Saib Street ... | 590 | 588 | Do. |
| 20 | Opening out congested areas in Narasingapuram ... | 28,000 | 22,917 | Do. |
| 21 | Removal of congestion in Suparigunta Paracherry ... | 1,45,000 | 1,30,795 | Partly paid. |
| 22 | Petty works ... | 505 | 415 | |
| | Grand Total .. | 2,38,420 | 1,99,749 | |

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

Part II.—Repairs.

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|---|
| | GRANT I.—Public Works—(Contd). | Rs. | Rs. | |
| | II. REPAIRS. | | | |
| | (a) Communications. | | | |
| 1 | Reform under contract | 1,50,000 | 1,39,484 | |
| 2 | Labour for rolling | 7,000 | 7,227 | Excess due to the mobilization allowance granted. |
| 3 | Fuel, oil, sundries, repairs, &c., for road rollers | 21,000 | 15,458 | |
| 4 | Repairs Materials | 50,000 | 31,807 | |
| 5 | Repairs to culverts and foot-paths :— | | | |
| (a) | Extending the culvert North side at the junction of White's Road and Mount Road ... | 150 | 150 | Paid in full. |
| (b) | Extending the culvert with 15" stoneware pipe at Police Station opposite Spencer & Co. | 195 | 209 | Do. |
| (c) | Extending a culvert in Taylor's Road at the junction of the new road in Landon's Gardens | 520 | 478 | Completed. |
| (d) | Widening culvert No. 2 by 2 feet on the northern side of DemeRow's, Road ... | 900 | ... | Not begun. |
| (e) | Widening culvert No. 1 by 4 feet on the northern side | 440 | ... | Do. |
| (f) | Extending the culvert across Adam's Road between lamp posts Nos. 17/353 and 17/354 | 130 | 80 | Paid in full. |
| (g) | Extending the culvert across Adam's Road between lamp posts Nos. 17/354 and 17/355 | 130 | 101 | Do. |
| (h) | Extending the culvert across Adam's Road between lamp posts Nos. 17/356 and 17/357 | 130 | 83 | Do. |
| (i) | Removing the parapet wall in front of Model School at Arunachala Naick Road and covering drains with granite slabs ... | 580 | ... | In progress. |
| (j) | Extending the culvert at the junction of Pantheon Road and Commander-in-Chief's Road | 400 | ... | Completed. |
| (k) | Constructing culverts and repairs to drains in Andiappa Mudali Street, Moneghar Choultry Road... .. | 900 | ... | In progress. |
| (l) | Petty Works | 1,500 | 98 | |
| 6 | Repairs to bridges :—Canal bridges. | | | |
| (a) | Constructing a retaining wall at the junction of Law's Bridge Road and Coom River Side Road | 1,230 | 1,173 | Paid in full. |
| (b) | Repairing the bridge at Kariar Kuppam across Buckingham Canal | 190 | ... | Completed. |
| (c) | Repairing the bridge at Ice House Road across Buckingham Canal | 160 | ... | Do. |
| (d) | Repairing the bridge at Sunkuvar Street across Buckingham Canal | 200 | ... | In progress. |
| | Carried over ... | 2,35,755 | 1,96,348 | |

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

Part II.—Repairs—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|--|
| | | Rs. | Rs. | |
| | Brought forward ... | 2,35,755 | 1,96,348 | |
| | GRANT I.—Public Works—(Contd). | | | |
| | II. REPAIRS—(Contd). | | | |
| | (a) Communications.—(Contd). | | | |
| (e) | Reform the road over Basin Bridge including the eastern side portion up to Wall Tax Road. | 2,850 | ... | Completed. The expenditure is included in item 1. |
| (f) | Reforming Munro Bridge from Spur Tank Road to lamp post No. 15/179 ... | 810 | ... | Abandoned. |
| (g) | Petty Works ... | 560 | 75 | |
| 7 | Tarring roads ... | 10,000 | 12,906 | |
| 8 | Petty Works ... | 2,600 | 1,344 | |
| | Total ... | 2,52,575 | 2,10,678 | |
| | (b) Buildings. | | | |
| 1 | Repairs and improvements to Municipal buildings including Petty Works and Pumping Stations :— | | | |
| 1 | Removing the uralite sheet roofing and re-roofing with teakwood reepers and Mangalore tiles to the contagious shed, Lying-in-Hospital ... | 420 | 424 | Paid in full. Excess sanctioned by S. C. on 4-11-14. |
| 2 | Repairing the Surgery Ward attached to Rajah Sir Ramasawmy Mudaliar's Lying-in-Hospital ... | 750 | 708 | Completed. |
| 3 | Repairing the Victoria Jubilee Ward attached to the Lying-in-Hospital, Moneghar Choultry Road ... | 120 | 117 | Paid in full. |
| 4 | Repairing the Matron's quarters attached to the Lying-in-Hospital, Moneghar Choultry Road ... | 110 | 104 | Do. |
| 5 | Repairing the L. R. & L. G. Wards attached to the Lying-in-Hospital, Moneghar Choultry Road ... | 325 | 325 | Do. |
| 6 | Repairing, whitewashing and painting Albert Victoria Ward and the corridors in the Lying-in-Hospital, Moneghar Choultry Road ... | 350 | 337 | Do. |
| 7 | Repairing drivers' lines attached to 'H' Bullock Depot in Slaughter House Road ... | 620 | 620 | Do. |
| 8 | Repairing the drivers' lines attached to the Burial-ground Depot in Kathiwakum High Road ... | 1,950 | 1,660 | Do. |
| 9 | Constructing a screen wall to coolies' shed and repairing the Superintendent's Office, Korukupet Rubbish Depot ... | 200 | 159 | Do. |
| 10 | Repairs to C. Depot, 3rd Division ... | 325 | ... | Completed. |
| 11 | Providing sunshades and other improvements to Hope Lodge, Perambur ... | 390 | 388 | Paid in full. |
| | Carried over ... | 5,560 | 4,842 | |

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

Part II—Repairs—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|---------------|
| | Brought forward ... | Rs. 5,560 | Rs. 4,842 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | II. REPAIRS—(Contd.) | | | |
| | (b) Buildings—(Contd.) | | | |
| 12 | Constructing protection wall, repairing the cracks, fixing the rods, &c., for the building at Hope Lodge ... | 275 | 253 | Completed. |
| 13 | Manufacturing 3 iron rods to support the building at Hope Lodge ... | 100 | 102 | Paid in full. |
| 14 | Removing rotten teakwood rafters and replacing the same and shifting tiles of Store-room and Office, A. Depot, Bullock Shed ... | 240 | 240 | Do. |
| 15 | Repairing the 144 houses and bazaars in Model Paracherry, Cemetery Road ... | 2,240 | ... | In progress. |
| 16 | Repairing the Chetties' waiting shed in Washermanpet burial and burning ground. | 930 | ... | Do. |
| 17 | Repairing the Licensing Clerks' quarters at Ennore ... | 400 | ... | Do. |
| 18 | Repairs to Ballah Naidu Dispensary at Rutler's Lane ... | 600 | 632 | Completed. |
| 19 | Repairing a portion of Engine Drivers' quarters attached to the Rayapuram Pumping Station now occupied by the Bailiff of the Revenue Department ... | 220 | 177 | Paid in full. |
| 20 | Repairing the male and female latrines at Hanumantharayan Kovil Street ... | 170 | ... | Completed. |
| 21 | Repairing the male and female latrines in Mottankuppam ... | 220 | ... | Do. |
| 22 | Repairing the latrine in Sundaram Pillai Lane ... | 500 | ... | Do. |
| 23 | Repairing the latrine in Perambur Chucklipallam ... | 105 | ... | Do. |
| 24 | Repairing the latrine in Polu Naicken Street. | 155 | ... | Do. |
| 25 | Making improvements to the 10th Division Overseer's stores ... | 600 | 584 | Paid in full. |
| 26 | Removing and refixing Steam Road Roller Shed at Ottary Nullah ... | 450 | 445 | Do. |
| 27 | Repairing the Slaughter Houses in the 10th Division ... | 210 | ... | Completed. |
| 28 | Making improvements to Gram Shed, Conservancy Depot, Chulai ... | 770 | ... | Do. |
| 29 | Making improvements to the Corporation Day School at Chetput ... | 120 | 112 | Paid in full. |
| 30 | Gravelling inside the compound wall of the Chetput School ... | 200 | 92 | In progress. |
| 31 | Paving the rear side of the Motor Fire Engine Shed at Pudupet ... | 275 | 273 | Paid in full. |
| | Carried over ... | 14,340 | 7,652 | |

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

Part II—Repairs—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|---------------|
| | Brought forward ... | Rs. 14,340 | Rs. 7,652 | |
| | GRANT I.—Public Works—(Contd.) | | | |
| | II. REPAIRS—(Contd.) | | | |
| | (b) Buildings—(Concl'd.) | | | |
| 32 | Repairing the Hackney Carriage Stand at the junction of Peter's Road and Mount Road | 210 | 209 | Paid in full. |
| 33 | General repairs to Royapettah Hospital ... | 3,000 | 2,719 | Do. |
| 34 | Erecting a light verandah with lamite tiles in the Moore Market Superintendent's quarters | 210 | 202 | Do. |
| 35 | Repairing the European water closet at Moore Market and fixing sanitary fittings ... | 305 | 175 | In progress. |
| 26 | Removing the existing Cudappah slab stalls and putting up side railing in the northern outer verandah of Moore Market for iron-mongers' stalls | 700 | ... | Completed. |
| 37 | Securing the wrought-iron gates in the Moore Market | 120 | ... | Do. |
| 38 | Putting up brick-nagged partition between the restaurants over the New Evening Bazar | 650 | ... | Do. |
| 39 | Manufacturing 4 teak bicycle stands for Ripon Buildings, People's Park | 150 | ... | Do. |
| 40 | Alterations to Motor Pump room in Ripon Buildings, People's Park | 200 | — | Do. |
| 41 | Putting up a brick-nagged partition in current records room in the 2nd floor of Ripon Buildings | 230 | ... | Abandoned. |
| 42 | Repairing the corner building of Errabalu Chetty Street | 150 | 99 | Paid in full. |
| 43 | Extending the verandah of Fitters' Shed to accommodate new machinery at the Corporation Workshop | 375 | 392 | Do. |
| 44 | Extending the Carpenters' Shed at the Corporation Workshop | 420 | 394 | Do. |
| 45 | Repairs to No. 3, Cottage Delivery Channel. | 190 | 191 | Do. |
| 46 | Repairing the Male and Female Bathing Fountain at the Cart Stand, Elephant Gate, and laying 350 feet of 6" pipe C. I. to the drains of the same | 430 | ... | Completed. |
| 47 | Repairs to the incinerator, Basin Bridge Road | 250 | 6 | Do. |
| 48 | Repairs to the incinerator and Superintendent's Shed at Krishnampet | 130 | 62 | Do. |
| 49 | Repairs to pumping stations | 7,000 | 2,297 | |
| 50 | Petty Works | 7,000 | 4,608 | |
| II | Labour | 2,280 | 1,976 | |
| | total ... | 38,340 | 20,982 | |

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

Part II.—Repairs—(Continued).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|---|-------------------------|------------------------------|---|
| | GRANT I—Public Works (contd.) | Rs. | Rs. | |
| | II REPAIRS (Contd.) | | | |
| | (c) Drainage (Ordinary.) | | | |
| 1 | Repairs to Masonry drains :— | | | |
| 1 | Constructing an intermediate manhole in White's Road at the junction of Rasal Omarkhan Bahadur Street, Thousand Lights | 165 | 142 | Completed. |
| 2 | Constructing a new manhole in Mangapathy Naicken Street, Chintadripet | 175 | 157 | Do. |
| 3 | Covering the open drain of Muthu Mudali Street, at Veyasarpadi | 410 | 411 | Paid in full. |
| 4 | Dismantling outer portion of ventilator and connecting shaft basement in Umpherson Street | 100 | 65 | Completed. |
| 5 | Manufacturing and supplying 2 C. I. manhole covers, 24 in. diameter with lids for the Sewer Superintendent, I and III Divisions ... | 100 | 15 | In progress. |
| 6 | Manufacturing 6 C.I. gratings 2 ft. 6 in. 8 C. I. gratings, 3' x 3' and 1 C.I. grating, 3½' x 3½' for Building Overseer, 6th and 7th Divisions | 190 | 176 | Paid in full. |
| 7 | Connecting drain from Strahams' Road to Angalamman Kovil Street, Chulai .. | 590 | 104 | In Progress. |
| 8 | Repairing the side drains in Chinnathambi Mudali Street | 165 | 163 | Paid in full. |
| 9 | Connecting side drains of Tiruvatteswarenpettah Road | 360 | 156 | Completed. |
| 10 | Connecting the side drain of Muhamed Abdulla Saib Street to Bell's Road, Triplicane | 160 | 107 | Do. |
| 11 | Connecting drain from Venkata Naicken Street and constructing manhole and silt pit, at Bell's Road | 365 | 259 | Do. |
| 12 | Constructing a manhole in Bell's Road and connecting drain in office Venkatachela Mudali Street, Triplicane | 195 | 99 | Completed. |
| 13 | Constructing drains and cesspools for house service in Eldam's Road | 275 | 252 | Paid in full. |
| 14 | Repairing the side drains from Audiappa Naick Street to the junction of Tirupalli Street and Mint Street | 350 | 258 | Do. |
| 15 | Regrading the storm water drain in Purasawaukam High Road, for draining the Northern portion of Ramaswamy Pillai Street | 1,800 | 1,770 | Do. |
| 16 | Regrading the storm water drain in Venaitheertha Mudali Street and Ramasawmy Pillai Street | 1,700 | 1,602 | Do. |
| 17 | Examining and repairing the overflow channel in China Bazaar Road | 540 | 604 | Paid in full. Excess sanctioned by S. C., on 26-2-15. |
| | Carried over ... | 7,640 | 6,340 | |

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

Part II. - Repairs—(Continued).

| No. | Particulars. | Revised Estimate | Expenditure | REMARKS. |
|-----|---|------------------|------------------|--|
| | | Grant. | during the year. | |
| | | Rs. | Rs. | |
| | Brought forward ... | 7,640 | 6,340 | |
| | GRANT I—Public Works (contd.) | | | |
| | II REPAIRS (contd.) | | | |
| | (c) Drainage (Ordinary.) (contd.) | | | |
| 18 | Examining and repairing the Overflow channel in Anna Pillai Street ... | 150 | 111 | Paid in full. |
| 19 | Examining and repairing the Overflow channel in Ramanan Street ... | 700 | ... | Not begun. |
| 20 | Repairing the masonry underground drain in Putnool Sadar Singh Street, Periamet ... | 425 | 382 | Paid in full. |
| 21 | Raising the manholes and reconstructing to the road level in Mundakanni Ammen Kovil Street, Mylapore ... | 170 | 28 | In progress. |
| 22 | Raising the manholes and reconstructing to the road level in Mundakanni Ammen Kovil Garden, Mylapore ... | 290 | 47 | Do. |
| 23 | Laying 6 in. and 4 in. stoneware pipes, repairing syphons, fixing Ventilation shaft and connecting syphons with C. I. pipes in Thanappa Chetti Street, Triplicane ... | 1,180 | 720 | Completed. |
| 24 | Repairing the drain in Ordnance Lines ... | 500 | 500 | Paid in full. |
| 25 | Repairing the side drains in the 11th Division ... | 170 | ... | In progress. |
| 26 | Repairing the masonry underground drain in Karpura Mudali Street, Periamet ... | 800 | .. | Do. |
| 27 | Improvements to syphons in Mufti Amirulla Sahib Street, Triplicane, and also constructing side drains in the above street ... | 210 | 131 | Completed. |
| 28 | Constructing a chamber and connecting the sewer in Covelong Muthugramani Street, Periamet ... | 140 | 81 | Do. |
| 29 | Relaying 6 in. sewer in Mari Chetti Street, Mylapore ... | 2,265 | 1,331 | Do. |
| 30 | Repairing and cement plastering the side drains in Office Vencatachalla Mudali Street | 295 | ... | This was provided for arrear work but was found to be unnecessary. |
| 31 | Repairing the broken parts of the big drain in Muhamed Akbar Sahib Street, wherever necessary ... | 600 | 597 | Paid in full. |
| 32 | Repairing the broken parts of big drain running in Chetties Garden through Bungaru Naick Street ... | 600 | 450 | Do. |
| II | Petty Works ... | 5,000 | 4,510 | |
| III | Sewer, main drain, &c., cleaning ... | 23,620 | 21,853 | |
| | House drainage ... | 2,030 | 1,483 | |
| | Carried over ... | 46,785 | 38,564 | |

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

Part II.—Repairs—(Concluded).

| No. | Particulars. | Revised Estimate Grant. | Expenditure during the year. | REMARKS. |
|-----|--|-------------------------|------------------------------|--|
| | | Rs. | Rs. | |
| | Brought forward ... | 46,785 | 38,564 | |
| | GRANT I—Public Works (concl.) | | | |
| | II. REPAIRS (concl.) | | | |
| | (c) Drainage (Ordinary.) (concl.) | | | |
| | Pumping Stations | 1,62,450 | 1,61,596 | |
| | Hire of Coolies | 49,000 | 37,463 | |
| | Maintenance of bullocks | 70,890 | 72,545 | |
| | Do. of carts | 7,500 | 6,801 | |
| | Total ... | 3,36,625 | 3,16,969 | |
| | (d) Water-Supply. | | | |
| 1 | Fountains— | | | |
| | 1. Labour | 15,200 | 14,707 | |
| | 2. Repairs, Materials | 7,670 | 6,454 | |
| 2 | Repairing Pipes— | | | |
| | Repairs Materials | 6,000 | 6,512 | Excess—due to repair of breach in 36 in. main in Poonamalle High Road. |
| 3 | Repairs to meters including replacing old ones | 6,000 | 4,061 | |
| 4 | Repairing Delivery Channel— | | | |
| | 1. Labour | 2,730 | 2,614 | |
| | 2. Repairs Materials | 6,000 | 3,116 | |
| 5 | Red Hills Lake Staff | 2,000 | 1,916 | |
| 6 | Maintenance of temporary Electric Pumping Schemes | 3,200 | 4,392 | |
| 7 | Temporary Water-Supply, Red Hills Pumping | 7,000 | 4,564 | |
| 8 | Pumping Station, Kilpauk | 29,280 | 15,982 | |
| | Total ... | 85,080 | 65,318 | |
| | (e) Miscellaneous. | | | |
| 1 | Petty Works. | 1,750 | 1,145 | |

| Date | Description | Amount |
|--------|-----------------------|--------|
| Jan 1 | Balance | 100.00 |
| Jan 5 | Received from A. B. | 50.00 |
| Jan 10 | Received from C. D. | 25.00 |
| Jan 15 | Received from E. F. | 75.00 |
| Jan 20 | Received from G. H. | 30.00 |
| Jan 25 | Received from I. J. | 40.00 |
| Jan 30 | Received from K. L. | 60.00 |
| Feb 1 | Received from M. N. | 20.00 |
| Feb 5 | Received from O. P. | 80.00 |
| Feb 10 | Received from Q. R. | 15.00 |
| Feb 15 | Received from S. T. | 90.00 |
| Feb 20 | Received from U. V. | 35.00 |
| Feb 25 | Received from W. X. | 55.00 |
| Feb 30 | Received from Y. Z. | 45.00 |
| Mar 1 | Received from AA. BB. | 65.00 |
| Mar 5 | Received from CC. DD. | 25.00 |
| Mar 10 | Received from EE. FF. | 75.00 |
| Mar 15 | Received from GG. HH. | 30.00 |
| Mar 20 | Received from II. JJ. | 40.00 |
| Mar 25 | Received from KK. LL. | 60.00 |
| Mar 30 | Received from MM. NN. | 20.00 |
| Apr 1 | Received from OO. PP. | 80.00 |
| Apr 5 | Received from QQ. RR. | 15.00 |
| Apr 10 | Received from SS. TT. | 90.00 |
| Apr 15 | Received from UU. VV. | 35.00 |
| Apr 20 | Received from WW. XX. | 55.00 |
| Apr 25 | Received from YY. ZZ. | 45.00 |
| Apr 30 | Received from AA. BB. | 65.00 |
| May 1 | Received from CC. DD. | 25.00 |
| May 5 | Received from EE. FF. | 75.00 |
| May 10 | Received from GG. HH. | 30.00 |
| May 15 | Received from II. JJ. | 40.00 |
| May 20 | Received from KK. LL. | 60.00 |
| May 25 | Received from MM. NN. | 20.00 |
| May 30 | Received from OO. PP. | 80.00 |
| Jun 1 | Received from QQ. RR. | 15.00 |
| Jun 5 | Received from SS. TT. | 90.00 |
| Jun 10 | Received from UU. VV. | 35.00 |
| Jun 15 | Received from WW. XX. | 55.00 |
| Jun 20 | Received from YY. ZZ. | 45.00 |
| Jun 25 | Received from AA. BB. | 65.00 |
| Jun 30 | Received from CC. DD. | 25.00 |
| Jul 1 | Received from EE. FF. | 75.00 |
| Jul 5 | Received from GG. HH. | 30.00 |
| Jul 10 | Received from II. JJ. | 40.00 |
| Jul 15 | Received from KK. LL. | 60.00 |
| Jul 20 | Received from MM. NN. | 20.00 |
| Jul 25 | Received from OO. PP. | 80.00 |
| Jul 30 | Received from QQ. RR. | 15.00 |
| Aug 1 | Received from SS. TT. | 90.00 |
| Aug 5 | Received from UU. VV. | 35.00 |
| Aug 10 | Received from WW. XX. | 55.00 |
| Aug 15 | Received from YY. ZZ. | 45.00 |
| Aug 20 | Received from AA. BB. | 65.00 |
| Aug 25 | Received from CC. DD. | 25.00 |
| Aug 30 | Received from EE. FF. | 75.00 |
| Sep 1 | Received from GG. HH. | 30.00 |
| Sep 5 | Received from II. JJ. | 40.00 |
| Sep 10 | Received from KK. LL. | 60.00 |
| Sep 15 | Received from MM. NN. | 20.00 |
| Sep 20 | Received from OO. PP. | 80.00 |
| Sep 25 | Received from QQ. RR. | 15.00 |
| Sep 30 | Received from SS. TT. | 90.00 |
| Oct 1 | Received from UU. VV. | 35.00 |
| Oct 5 | Received from WW. XX. | 55.00 |
| Oct 10 | Received from YY. ZZ. | 45.00 |
| Oct 15 | Received from AA. BB. | 65.00 |
| Oct 20 | Received from CC. DD. | 25.00 |
| Oct 25 | Received from EE. FF. | 75.00 |
| Oct 30 | Received from GG. HH. | 30.00 |
| Nov 1 | Received from II. JJ. | 40.00 |
| Nov 5 | Received from KK. LL. | 60.00 |
| Nov 10 | Received from MM. NN. | 20.00 |
| Nov 15 | Received from OO. PP. | 80.00 |
| Nov 20 | Received from QQ. RR. | 15.00 |
| Nov 25 | Received from SS. TT. | 90.00 |
| Nov 30 | Received from UU. VV. | 35.00 |
| Dec 1 | Received from WW. XX. | 55.00 |
| Dec 5 | Received from YY. ZZ. | 45.00 |
| Dec 10 | Received from AA. BB. | 65.00 |
| Dec 15 | Received from CC. DD. | 25.00 |
| Dec 20 | Received from EE. FF. | 75.00 |
| Dec 25 | Received from GG. HH. | 30.00 |
| Dec 30 | Received from II. JJ. | 40.00 |

STATEMENT IV-A.—Demand, Collection and Balance Statement of Taxes, &c., for the year 1914-1915 (Current).

| Description of taxes, &c. | Gross Demand. | | Remitted on appeal. | | Net Demand (Column 2 minus Column 3). | | Collection. | | | Remission. | | | Balance. | | | |
|--|---------------|-------|---------------------|-------|---------------------------------------|-------|-----------------------|---------------------------------------|--|------------------|--------------|--|------------------------------------|---------------------------------------|-----|------|
| | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | For the year 1914-15. | Taxes prepaid in advance for 1915-16. | Percentage of collection for the year to net Demand. | For vacancy, &c. | Written off. | Percentage of columns 7 and 8 to net Demand. | Column 4 minus Columns 5, 7 and 8. | Percent- age of Balance to net Demand | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| 1 Tax on Arts, &c. | 1,67,953 | 211 | 50 | 0 | 1,67,903 | 211 | 1,66,315 | 10 | 0 | 99.05 | ... | ... | 1,587 | 8 | 0 | 95 |
| 2 Tax on Buildings and Lands | (a) 5,762 | 3 | 153 | 4 | (a) 5,915 | 7 | (a) 5,608 | 15 | 9 | 94.8 | ... | ... | 22,766 | 11 | 10 | ... |
| 3. Tax on Lands | 9,14,055 | 10 | 749 | 2 | 9,13,306 | 7 | (c) 642 | 5 | 3 | 24.04 | ... | ... | 963 | 13 | 1 | ... |
| 4 Water and Drainage tax on Buildings and Lands | (a) 3,745 | 8 | 99 | 10 | (a) 3,844 | 18 | (a) 3,645 | 13 | 5 | 94.0 | ... | ... | 14,798 | 6 | 5 | ... |
| 5 Water and Drainage tax on Lands | (a) 7,491 | 6 | ... | ... | (a) 7,491 | 6 | (a) 7,491 | 6 | ... | 96.48 | ... | ... | 624 | 0 | 4 | 2.55 |
| 6 Lighting tax on Buildings and Lands | (a) 720 | 4 | 19 | 2 | (a) 739 | 6 | (a) 739 | 6 | ... | ... | ... | ... | 2,845 | 14 | 1 | ... |
| 7 Lighting tax on Lands | (a) 1,459 | 5 | ... | ... | (a) 1,459 | 5 | (a) 1,459 | 5 | ... | ... | ... | ... | 120 | 7 | 4 | ... |
| 8 Tax on Vehicles with springs | (b) 73,730 | 8 | ... | ... | (b) 73,730 | 8 | (b) 73,730 | 8 | ... | 97.63 | ... | ... | 1,766 | 0 | 0 | 2.37 |
| 9 Tax on Animals | (b) 786 | 0 | ... | ... | (b) 786 | 0 | (b) 786 | 0 | ... | ... | ... | ... | 972 | 12 | 0 | 2.60 |
| 10 Tax on Carts and other Vehicles without springs | (b) 30,699 | 0 | ... | ... | (b) 30,699 | 0 | (b) 30,699 | 0 | ... | 99.89 | ... | ... | 30 | 6 | 7 | 0.10 |
| 11 Tolls on Vehicles and Animals entering Municipal limits | (c) 46,475 | 6 | ... | ... | (c) 46,475 | 6 | (c) 46,475 | 6 | ... | 100 | ... | ... | ... | ... | ... | ... |
| 12 Payment for occupation of Municipal Lands | 6,168 | 1 | ... | ... | 6,168 | 1 | 6,096 | 14 | 0 | 98.85 | ... | ... | 71 | 3 | 0 | 1.15 |
| 13 Rent of Lands and Buildings | 31,926 | 4 | ... | ... | 31,926 | 4 | 30,805 | 4 | 10 | 96.46 | ... | ... | 1,131 | 0 | 1 | 3.54 |
| 14 Sale proceeds of Lands | 2,986 | 4 | ... | ... | 2,986 | 4 | 2,986 | 4 | 0 | 100.00 | ... | ... | ... | ... | ... | ... |
| 15 Esplanade &c. grazing rent, | 2,978 | 0 | ... | ... | 2,978 | 0 | 2,978 | 0 | 0 | 100.00 | ... | ... | ... | ... | ... | ... |
| 16 Rent of Cart Stand | 6,000 | 0 | ... | ... | 6,000 | 0 | 6,000 | 0 | 0 | 100.00 | ... | ... | ... | ... | ... | ... |
| 17 Rent of Municipal wharf | 1,600 | 0 | ... | ... | 1,600 | 0 | 1,600 | 0 | 0 | 100.00 | ... | ... | ... | ... | ... | ... |

APPENDIX I.

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--|----------------------------------|---------------------------------|---------|---------------|--------|-------------|---------------|-------|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 18 | Peoples park | 8,867 9 6 | 8,867 9 6 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 19 | Napier park | 135 1 10 | 135 1 10 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 20 | Robinson park | 255 15 0 | 255 15 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 21 | Grass farm | { (b) 158 2 6 36,551 15 3 | { 158 2 6 (L) 35,916 0 4 | ... | ... | 98-27 | 321 2 5 | 400 0 0 | 1-09 | 235 14 11 | 0-64 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 22 | Sale of rubbish | 17,575 9 6 | 17,575 9 6 | ... | ... | 99-82 | ... | ... | ... | (g) 617 10 8 | 0-18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 23 | Private Scavenging | 7,007 3 7 | 7,007 3 7 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 24 | Hospital Receipts | 541 0 0 | 541 0 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 25 | Smithfield Market | 4,525 0 0 | 4,525 0 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 26 | Moore Market | 33,781 6 4 | 33,781 6 4 | ... | ... | 96-42 | ... | ... | ... | 1,210 0 0 | 3-58 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 27 | Income from Slaughter houses & Slaughter of animals for food | 83,131 0 3 | 83,131 0 3 | ... | ... | 96-47 | ... | ... | ... | 2,933 5 4 | 3-53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 28 | License fees on Import of Timber and Firewood | 1,90,932 2 4 | 1,90,932 2 4 | ... | ... | 67-36 | ... | 53,318 3 2 | 30-56 | 3,969 7 6 | 2-08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 29 | Private Markets | 3,700 0 0 | 3,700 0 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 30 | Licenses Registration. | { (b) 460 12 0 63,770 12 0 | { 460 12 0 (b) 62,394 0 0 | ... | ... | 97-84 | 1430 4 0 | ... | ... | 1,375 12 0 | 2-16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 31 | Cart Stand fees | 720 0 0 | 720 0 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 32 | School fees | 970 10 0 | 970 10 0 | ... | ... | 100-00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 33 | Payment for water for non-domestic purposes | 1,39,250 10 0 | 1,37,640 2 0 | ... | ... | 98-84 | ... | ... | ... | 1,610 8 0 | 1-16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | | 26,41,855 13 11 | 26,40,476 3 4 | 272 1 8 | 25,06,081 9 7 | 94-90 | 10,029 2 11 | 97,1,764 2 10 | 2-82 | 59,631 13 2 | 2 28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | (c) 1,140 2 2 | | | | | 1,347 10 4 | | | | | | | | | | | | | | |

(a) The amount prepaid in advance in the previous year under Section 174 for the demand of 1914-15.

(b) The amount prepaid in advance in the previous year towards the demand of 1914-15.

(c) The difference refundable between the taxes prepaid under Section 174 and subsequently reduced on appeal.

(d) Represents the amount already refunded towards the taxes prepaid under Section 174 and subsequently reduced on appeal.

(e) Includes penal interest for instalments overdue.

(f) Includes Rs. 1,364-2-10 in respect of House & Co. Corporation.

(g) Rs. 587-3-0 has since been adjusted.

Taxes combined, viz., the amounts remitted under Sec. 117 of the Madras City Municipal Act, as per Resolution passed in the

STATEMENT IV-B.—Demand, Collection and Balance Statement of Taxes, &c., for the year 1914-1915 (Arrear).

| Description of Taxes, &c. | Arrears of previous years. | | Balance of last year. | Subsequent amendments and additions during the year. | | Total arrear Demand (Columns 2, 3, & 3(a)). | | Remission on objection. | | Net Demand (Column 4 minus Column 5). | | Collection. | | Remission. | | | Balance. | | Years to which the Balance relates. |
|---|----------------------------|------------|-----------------------|--|----------|---|-------------|-------------------------|----------|---------------------------------------|-------|-------------|--------|---------------------|-------|-----|----------|-----|-------------------------------------|
| | ES. | A. P. | | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | A. P. | ES. | |
| 1 | 2 | 3 | 3 (a) | 4 | 5 | 6 | 7 | 7 (a) | 8 | 9 | 9 (a) | 10 | 10 (a) | 11 | 12 | 13 | 14 | 15 | |
| 1 Tax on Arts, &c. | 165 0 0 | 868 0 0 | 872 8 0 | 1,905 8 0 | 247 8 0 | 1,658 0 0 | 1,606 4 3 | 96 86 | ... | ... | ... | 50 0 0 | 3 02 | 1911-12 to 1913-14. | | | | | |
| 2 Tax on Buildings and Lands | 40,854 12 3 | 48,025 8 5 | -37,230 5 9 | 5,164 9 11 | ... | 51,649 14 11 | 42,492 7 11 | ... | 420 2 6 | 111 9 | -12 | 8,729 10 1 | ... | ... | | | | | |
| 3 Tax on Lands | 35 1 2 | 434 9 10 | 25 5 2 | 495 0 2 | ... | 495 0 2 | 428 10 2 | ... | 17 11 4 | ... | ... | 48 10 8 | ... | ... | | | | | |
| 4 Water and Drainage tax on Buildings and Lands. | 26,883 3 1 | 31,216 9 5 | -24,227 5 3 | 33,572 7 3 | ... | 33,572 7 3 | 27,620 1 6 | (a) | 273 2 0 | 415 6 | 0 86 | 5,674 4 3 | (b) | 1911-12 to 1913-14. | | | | | |
| 5 Water and Drainage tax on Lands. | 28 2 7 | 282 2 4 | 11 7 2 | 321 12 1 | ... | 321 12 1 | 278 1 8 | 82 31 | 11 8 3 | ... | ... | 31 10 2 | 16 83 | 1911-12 to 1913-14. | | | | | |
| 6 Lighting Tax on Buildings and Lands. | 5,120 11 10 | 6,003 3 2 | -4,667 11 10 | 6,456 3 2 | ... | 6,456 3 2 | 5,311 8 3 | ... | 52 8 4 | 0 15 4 | ... | 1,691 3 3 | ... | ... | | | | | |
| 7 Lighting Tax on Lands | 6 1 0 | 54 5 3 | 1 8 3 | 61 14 6 | ... | 61 14 6 | 53 9 9 | ... | 2 3 5 | ... | ... | 6 1 4 | ... | ... | | | | | |
| 8 Tax on Vehicles with springs | 120 8 0 | 1,180 8 0 | 324 8 0 | 1,628 8 0 | 637 5 3 | 1,088 2 9 | 1,016 10 9 | 93 47 | ... | ... | ... | 71 8 0 | 6 63 | 1912-13 & 1913-14 | | | | | |
| 9 Tax on Animals | 38 4 0 | 748 10 0 | 192 12 0 | 974 10 0 | 297 10 5 | 676 15 7 | 643 8 7 | 94 98 | ... | ... | ... | 33 12 0 | 5 02 | do. | | | | | |
| 10 Tax on Carts and other vehicles without springs. | ... | 9 0 0 | 185 0 0 | 195 0 0 | 9 0 0 | 186 0 0 | 180 0 0 | 96 77 | ... | ... | ... | 6 0 0 | 3 23 | 1913-14. | | | | | |
| 11 Tolls on Vehicles and Animals entering Municipal Limits. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 12 Payment for occupation of Municipal Lands. | 4 10 0 | 56 12 0 | 1 11 6 | 63 1 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 13 Rent of Lands and Buildings | 20 5 3 | 398 8 3 | 379 0 10 | 797 14 4 | 27 6 0 | 35 11 6 | 29 9 6 | 82 87 | ... | ... | ... | ... | ... | ... | | | | | |
| 14 Grass farm | 94 9 10 | 1,116 6 8 | -10 2 2 | 1,200 14 4 | ... | 797 14 4 | 719 15 5 | 90 23 | ... | ... | ... | ... | ... | ... | | | | | |
| 15 Moor Market | ... | ... | ... | ... | ... | 1,200 14 4 | 1,200 14 4 | 100 00 | ... | ... | ... | ... | ... | ... | | | | | |
| 16 License fees on import of timber and firewood. | ... | 2,864 11 6 | ... | 2,864 11 6 | ... | 2,864 11 6 | 2,864 11 6 | 100 00 | ... | ... | ... | ... | ... | ... | | | | | |
| 17 Private Market | ... | 1,510 12 0 | ... | 1,467 12 0 | ... | 1,467 12 0 | 1,357 0 0 | 92 44 | ... | ... | ... | ... | ... | ... | | | | | |
| 18 Licenses registration | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 19 Cart Stand fees | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 20 Payment for water for non-domestic purposes. | ... | 2,995 3 5 | 6,940 14 0 | 9,036 1 5 | 37 8 0 | 8,998 9 5 | 8,945 9 11 | 90 41 | ... | ... | ... | ... | ... | ... | | | | | |
| 21 Sale of Rubbish | 22 8 0 | 108 2 0 | ... | 130 10 0 | ... | 130 10 0 | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 22 Income from Slaughter House | ... | 333 5 4 | ... | 333 5 4 | ... | 333 5 4 | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Total... | 79,088 13 0 | 98,206 5 7 | -58,142 14 | 1,113,152 4 6 | 1,156 5 | 8,111,995 14 10 | 9,474,814 6 | 84 90 | 777 3 10 | 87 1 0 | 0 77 | 16,382 11 6 | 14 63 | ... | | | | | |

(a) Exclusive of the sum due by Government Military Department and the amount covered by decrease the percentage is 97.42.
 (b) The percentage of balance to the demand exclusive of the sum due by Government Military Department is only 1.60.
 (c) Since adjusted.

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

| Classification as per Schedule V. | For the year 1913-1914. | | For the year 1914-1915. | | Percentage of increase or decrease. | REMARKS. | |
|-----------------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------------------|---|----|
| | No. of assessments. | Amount of taxes thereon. | No. of assessments. | Amount of taxes thereon. | | | |
| | | | | A. | | | P. |
| I-A | 109 | 27,250 | 107 | 26,750 | - 1.8 | Due to transfer to lower classes. | |
| I-B | 24 | 4,200 | 22 | 3,850 | - 8.3 | | |
| I-C | 30 | 3,000 | 28 | 2,800 | - 6.6 | | |
| I-D | 8 | 600 | 8 | 600 | ... | Due to transfer from higher classes. | |
| I Pro (1) | 15 | 2,250 | 20 | 2,500 | + 11.1 | | |
| I Pro (2) | 39 | 2,925 | 26 | 1,950 | - 33.3 | Due to cancellation & transfer to lower classes. | |
| I Pro (3) | 30 | 750 | 33 | 825 | + 10 | | |
| I | 216 | 27,000 | 224 | 28,000 | + 3.7 | Due to transfer from lower classes. | |
| II | 232 | 17,400 | 235 | 17,625 | + 1.2 | | |
| II-C | 13 | 650 | 7 | 350 | - 46.1 | Due to cancellation & transfer to higher classes. | |
| III | 506 | 18,975 | 543 | 20,362 | + 7.3 | | |
| III-C | 21 | 525 | 21 | 525 | ... | Due to transfer from lower classes. | |
| IV | 805 | 14,087 | 795 | 13,912 | - 1.2 | | |
| V | 1,391 | 13,910 | 1,332 & 2 diff. | 13,333 | - 4.09 | Due to unfavourable conditions prevailing in trade consequent on the war. | |
| VI | 3,769 | 18,845 | 3,624 | 18,120 | - 3.8 | | |
| VII | 6,584 | 16,460 | 6,560 | 16,400 | - .36 | | |
| Total ... | 13,795 | 1,68,827 | 8 0 | 1,67,903 | - 1.5 | | |
| | | | 13,585 & 2 diff. | 2 11 | | | |

STATEMENT IV-D.—Outstanding arrears year war under the combined property taxes and the collections and adjustments made during the year, as compared with 1913-14.

APPENDIX I.

| Period. | For 1913-14. | | | | | | For 1914-15. | | | | | | | | | | | | | | | | | | |
|-------------|--|--------|-------------|-------|---------------------------|-------|---------------------------------|-------|--|-------|-------------|-------|---------------------------|--------|---------------------------------|-------|------------|-----|-----|-----|----|----|------------|----|----|
| | Opening outstanding balance including subsequent amendments and additions. | | Collection. | | Remission and writes off. | | Outstanding balance on 31-3-14. | | Opening outstanding balance including subsequent amendments and additions. | | Collection. | | Remission and writes off. | | Outstanding balance on 31-3-15. | | | | | | | | | | |
| | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | | | | | | | | | |
| For 1910-11 | ... | 3 | 3 | 2 | ... | ... | ... | ... | 3 | 3 | 2 | ... | ... | 3 | 3 | 2 | ... | ... | ... | | | | | | |
| " 1911-12 | ... | 429 | 4 | 4 | 318 | 3 | 9 | 49 | 10 | 5 | 61 | 0 | 2 | 422 | 5 | 4 | 395 | 0 | 5 | 6 | 6 | 2 | 20 | 14 | 9 |
| " 1912-13 | ... | 79812 | 9 | 2 | 6,555 | 3 | 3 | 393 | 15 | 4 | 72,563 | 6 | 7 | 39,924 | 1 | 8 | 32,378 | 1 | 7 | 52 | 12 | 11 | 7,298 | 3 | 2 |
| " 1913-14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 52,207 | 9 | 11 | 43,208 | 10 | 1 | 731 | 10 | 0 | 8,267 | 5 | 10 |
| Total | ... | 80,245 | 0 | 8 | 7,173 | 7 | 0 | 443 | 9 | 9 | 72,627 | 15 | 11 | 92,657 | 4 | 1 | (a) 76,184 | 15 | 3 | 790 | 13 | 1 | (b) 15,681 | 7 | 9 |

(a) Includes Rs. 64,276-8-4 viz., the amount paid by Government for the increased tax on civil buildings under appeal for the years 1912-13 and 1913-14, as settled by the committee appointed for the purpose.

(b) Includes Rs. 14 328-12-8 being the increased tax for 1912-13 and 1913-14 on Government military buildings under appeal.

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

| Gradation of Annual Taxes. | Number of Buildings and Lands. | Amount of House, Water and Drainage and Lighting Taxes thereon. | | Number of Lands. | Amount of House, Water and Drainage and Lighting Taxes thereon. | | TOTAL. | | |
|----------------------------|--------------------------------|---|------------|------------------|---|------------|--------------------------------|--------------------------|-------------|
| | | Rs. | A. P. | | Rs. | A. P. | Number of Buildings and Lands. | Amount of Taxes thereon. | |
| Under 8 annas | 1,001 | 405 | 10 9 | 262 | 75 | 11 10 | 1,263 | 481 | 6 7 |
| 8 annas and under 1½ Re. | 3,088 | 2,792 | 13 8 | 618 | 583 | 8 3 | 3,706 | 3,376 | 5 11 |
| 1½ Re. and under Rs. 5 | 8,997 | 28,352 | 3 11 | 729 | 2,000 | 8 7 | 9,726 | 30,352 | 12 6 |
| 5 Rupees and under Rs. 15 | 14,644 | 1,44,730 | 4 8 | 355 | 3,039 | 13 10 | 14,999 | 1,47,770 | 2 6 |
| 15 Rupees and under Rs. 30 | 10,107 | 2,22,727 | 7 11 | 104 | 2,207 | 14 0 | 10,211 | 2,24,935 | 5 11 |
| 30 Rupees and upwards | 11,512 | 12,31,883 | 9 10 | 85 | 12,734 | 7 8 | 11,597 | 12,44,618 | 1 6 |
| Total | 49,349 | 16,30,892 | 2 9 | 2,153 | 20,642 | 0 2 | 51,502 | 16,51,534 | 2 11 |

STATEMENT IV-F.—Classification of Assessments under Tax on Vehicles with Springs and on Animals.

| Amount of Schedule VI | Half-yearly rate of tax. | 1st Division. | | 2nd Division. | | 3rd Division. | | 4th Division. | | 5th Division. | | 6th Division. | | 7th Division. | | 8th Division. | | 9th Division. | | 10th Division. | | 11th Division. | | 12th Division. | | 13th Division. | | 14th Division. | | 15th Division. | | 16th Division. | | 17th Division. | | 18th Division. | | 19th Division. | | 20th Division. | | Total for 1914-15. | | Total for 1913-14. | | | | | | | | | | |
|---|---|---------------|-------------|---------------|---------------|---------------|----------------|----------------|---------------|----------------|---------------|---------------|---------------|-------------------|---------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|------------------|------------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|--------------------|---------|--------------------|----|--|--|--|--|--|--|--|--|--|
| | | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | No. | Amount. | | | | | | | | | | | |
| | | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | Rs. | A. | | | | | | | | | |
| VEHICLES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | (a) Four-wheeled vehicle with springs propelled by electricity, gas, steam or any other mechanical power | 25 | 11 375 0 | 18 325 0 | 2 50 0 | 18 450 0 | 20 725 0 | 4 100 0 | 18 375 0 | 31 325 0 | 14 300 0 | 3 75 0 | 2 225 0 | 182 3,800 0 | 68 1,700 0 | 76 1,950 0 | 180 4,000 0 | 15 375 0 | 21 525 0 | 7 175 0 | 69 1,725 0 | 69 1,725 0 | 792 18,800 0 | 626 18,900 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) Four-wheeled vehicle with springs drawn by two or more horses | 15 | | 4 60 0 | | 2 30 0 | 5 75 0 | 4 60 0 | 15 375 0 | 5 75 0 | | | | 8 120 0 | 13 320 0 | 4 60 0 | 25 345 0 | 6 90 0 | 17 315 0 | 8 120 0 | 10 120 0 | 1 15 0 | 135 2,025 0 | 166 2,490 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II | Four-wheeled vehicle with springs drawn by a horse, mule, bull or bullock or by two or more horses under 12 hands, or by two or more mules, bulks or bullocks | 71 | 44 345 0 | 29 290 8 | 14 105 0 | 104 796 0 | 156 1,170 0 | 209 1,647 8 | 102 802 8 | 231 1,657 8 | 121 922 8 | 54 405 0 | 34 265 0 | 292 2,268 0 | 154 1,230 0 | 116 870 0 | 192 1,440 0 | 71 532 8 | 138 1,147 8 | 81 610 0 | 108 795 0 | 168 1,290 0 | 2,456 19,027 8 | 2,586 19,387 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III | Two-wheeled vehicle with springs drawn by one or more horses, mules, bulks or bullocks | 41 | 32 234 0 | 163 733 8 | 74 313 0 | 74 333 0 | 34 223 0 | 127 371 8 | 184 329 0 | 176 401 0 | 82 369 0 | 84 378 0 | 125 362 8 | 115 317 8 | 159 450 8 | 74 353 0 | 146 637 0 | 108 480 0 | 102 1,084 0 | 100 720 0 | 278 1,311 0 | 110 495 0 | 3,699 12,300 8 | 2,774 12,438 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IV | Bicycle or tricycle propelled by electricity, gas or steam | 10 | 4 50 0 | 1 10 0 | | 14 540 0 | 14 340 0 | 8 80 0 | 4 40 0 | 2 30 0 | 12 120 0 | 1 30 0 | 13 120 0 | 32 360 0 | 50 600 0 | 95 900 0 | 111 1,110 0 | 12 120 0 | 15 150 0 | 28 280 0 | 45 450 0 | 44 440 0 | 426 6,150 0 | 519 5,190 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | Every other bicycle or tricycle | 2 | 158 315 0 | 13 165 0 | 21 42 0 | 185 370 0 | 205 390 0 | 81 162 0 | 292 384 0 | 117 234 0 | 197 394 0 | 120 240 0 | 819 429 0 | 1,004 1,608 0 | 387 774 0 | 371 348 0 | 210 600 0 | 211 322 0 | 453 366 0 | 358 216 0 | 214 428 0 | 282 564 0 | 4,562 9,124 0 | 4,551 9,107 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VI | Every other vehicle with springs— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (a) Perambulator | 3 | | | | 7 35 0 | 23 69 0 | 12 20 0 | 21 66 0 | 54 268 0 | 14 42 0 | 12 26 0 | 7 21 0 | 5 15 0 | | | | | | | | 208 424 0 | 248 759 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) Four-wheeled vehicle with springs | 3 | 15 45 0 | 28 84 0 | | 55 150 0 | 104 312 0 | 89 247 0 | 130 390 0 | 145 429 0 | 129 267 0 | 24 72 0 | 84 1,008 0 | 211 633 0 | 124 372 0 | 27 81 0 | 24 192 0 | 86 249 0 | 100 370 0 | 70 210 0 | 79 237 0 | 89 117 0 | 1,324 5,772 0 | 2,188 5,864 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) Hand-cart with springs | 3 | 9 27 0 | 8 12 0 | 1 3 0 | 6 6 0 | 21 21 0 | 18 18 0 | 3 9 0 | 9 27 0 | 2 9 0 | 2 6 0 | | | 12 36 0 | 15 45 0 | 1 3 0 | 33 99 0 | 5 15 0 | 10 30 0 | 1 3 0 | 148 444 0 | 121 372 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | — | 296 1,322 0 | 308 1,626 0 | 9 113 33 | 498 2,684 0 | 794 5,576 0 | 543 2,905 0 | 639 2,945 8 | 806 4,260 8 | 379 2,668 8 | 530 1,522 0 | 314 3,236 8 | 1,380 6,427 8 | 920 3,808 8 | 547 4,345 0 | 670 4,754 0 | 803 2,283 8 | 1,218 3,168 8 | 718 2,869 0 | 802 5,639 0 | 713 4,622 0 | 13,559 74,637 0 | 13,770 72,346 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMALS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VII | Horse over 13 hands | 74 | 48 360 0 | 34 465 0 | 14 105 0 | 109 817 8 | 111 992 8 | 216 1,573 8 | 128 922 8 | 245 1,837 8 | 120 900 0 | 31 242 8 | 9 32 0 | 415 6 259 1,912 8 | 225 1,682 8 | 168 1,325 0 | 216 1,995 0 | 72 340 0 | 194 1,455 0 | 105 783 12 | 104 1,245 0 | 172 1,290 0 | 2,376 20,856 8 | 3,020 23,020 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VIII | Horse of or under 13 hands | 31 | 23 123 12 | 31 341 4 | 79 294 8 | 54 262 8 | 82 311 4 | 171 420 0 | 166 622 8 | 211 791 4 | 49 221 0 | 48 180 0 | 206 869 12 | 96 360 0 | 34 302 8 | 22 123 12 | 89 333 12 | 83 318 12 | 150 975 0 | 101 390 0 | 179 768 12 | 81 313 12 | 2,587 7,223 12 | 2,696 7,984 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IX | Horse of or under 11 hands | 14 | 13 19 8 | 17 25 8 | 6 9 0 | 21 31 8 | 9 13 8 | 11 16 8 | 30 15 0 | 7 10 8 | 2 4 8 | 9 0 0 | 13 8 19 28 8 | 24 36 0 | 13 19 8 | 11 22 8 | 19 8 30 55 0 | 24 36 0 | 45 0 24 36 0 | 27 42 0 | 20 30 0 | 298 447 0 | 319 478 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | Bullock or Bull | 1 | 208 168 0 | 1,412 1,611 8 | 166 129 0 | 96 73 8 | 308 234 12 | 186 139 8 | 496 360 0 | 317 237 12 | 112 82 8 | 877 627 12 | 590 442 8 | 248 186 0 | 243 122 4 | 438 343 8 | 304 226 0 | 235 176 4 | 378 293 8 | 319 239 4 | 432 327 12 | 251 186 4 | 7,614 5,719 8 | 7,322 5,641 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XI | Mule Buffalo | 1 | 17 12 12 | 1 8 8 | 4 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XII | Ass | 1 | 3 1 0 | 2 4 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XIII | Dog | 1 | 197 140 8 | 150 75 0 | 42 32 4 | 77 57 12 | 254 189 12 | 163 120 0 | 419 301 8 | 297 215 4 | 227 172 0 | 99 74 4 | 266 240 0 | 297 215 4 | 232 132 8 | 104 353 0 | 118 68 8 | 107 147 12 | 151 113 8 | 74 57 0 | 218 168 8 | 125 121 4 | 3,866 2,964 8 | 4,252 3,218 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | — | 809 818 0 | 6,162 1,302 0 | 9 210 54 8 | 239 1,192 12 | 869 1,791 12 | 418 2,274 12 | 1,185 2,221 8 | 1,987 3,022 8 | 628 1,389 12 | 1,807 1,860 8 | 4,093 4,945 8 | 6,221 11,161 8 | 4,066 7,412 8 | 4,145 6,319 8 | 4,786 11,425 8 | 4,113 8,497 8 | 4,723 8,664 12 | 4,164 8,368 0 | 4,144 7,529 8 | 4,144 8,368 0 | 30,786 121,014 8 | 30,850 111,894 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compound of 17,283 yearly horse and 17,283 yearly mule in 1913-14 | | | 305 2,895 8 | 3,175 8,218 0 | 9 432 1,561 8 | 837 3,877 12 | 3,163 6,517 12 | 1,519 3,169 12 | 3,184 6,170 8 | 5,182 7,858 12 | 1,716 6,466 8 | 4,480 2,862 8 | 4,093 4,945 8 | 6,221 11,161 8 | 4,066 7,412 8 | 4,145 6,319 8 | 4,786 11,425 8 | 4,113 8,497 8 | 4,723 8,664 12 | 4,164 8,368 0 | 4,144 7,529 8 | 4,144 8,368 0 | 30,786 121,014 8 | 30,850 111,894 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I.

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.

| Period of Operation. | By Sea collected by the Madras Port Trust since 1st April 1910. | | By Madras and S. M. Railway. | | By S. I. Railway. | | By Buckingham Canal (North). | | By Buckingham Canal (South). | | By Toll collected by the Toll Farmer. | | Total of Columns 3 to 8. | | Sums with the Collecting Agencies at the end of the previous year. | | Total of Columns 9 and 10. | | Sums with the Collecting Agencies at the end of the year. | | Refunds in the year. | | Net (column 11 minus columns 12 and 13). | | |
|----------------------|---|----------|------------------------------|------------|-------------------|-------------|------------------------------|----------------|------------------------------|----------------|---------------------------------------|---------------|--------------------------|------------|--|--------|----------------------------|-----|---|-----|----------------------|-----|--|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 1911-12 | Timber | ... | 1,53,910 | 0 0 15,660 | 4 0 757 | 8 0 120 | 0 0 | ... | 96 | 4 0 1,70,544 | 0 0 1,243 | 12 0 1,71,787 | 12 0 1,192 | 8 0 26,792 | 0 0 1,43,803 | 4 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Inferior Redwood | ... | ... | 68 | 8 0 | ... | ... | ... | 2 | 0 0 70 | 8 0 | 6 10 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Junglewood Posts, &c. | ... | 2 10 0 | 4,238 | 0 0 111 | 12 0 357 | 6 0 213 | 12 0 799 | 8 0 5,723 | 0 0 395 | 4 0 6,118 | 4 0 313 | 8 0 | ... | ... | 5,804 | 2 0 | ... | ... | ... | ... | ... | ... | ... | |
| | Firewood | ... | ... | 11,760 | 6 10 817 | 4 0 15,833 | 2 0 10,852 | 3 0 1,992 | 7 0 41,255 | 8 10 1,025 | 13 5 42,281 | 6 4 1,309 | 12 6 | ... | ... | 40,971 | 9 10 | ... | ... | ... | ... | ... | ... | ... | |
| Total | ... | 1,53,912 | 10 0 31,727 | 2 10 1,686 | 8 0 16,310 | 8 0 11,065 | 15 0 2,890 | 3 0 62,17,593 | 0 10 2,671 | 7 0 62,20,264 | 8 4 2,836 | 12 0 626,792 | 0 0 1,96,635 | 11 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| 1912-13 | Timber | ... | 1,58,725 | 0 0 13,117 | 8 0 592 | 8 0 | ... | ... | 170 | 0 0 1,72,605 | 0 0 1,192 | 8 0 1,73,797 | 8 0 1,201 | 4 0 31,333 | 12 0 1,41,262 | 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Inferior Redwood | ... | ... | 105 | 0 0 | ... | ... | ... | 1 | 0 0 112 | 0 0 | 133 | 0 0 20 | 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Junglewood Posts, &c. | ... | ... | 5,126 | 10 0 97 | 8 0 10 | 2 0 208 | 8 0 774 | 12 0 6,217 | 8 0 6,531 | 0 0 6,531 | 0 0 408 | 0 0 | ... | ... | 6,123 | 0 0 | ... | ... | ... | ... | ... | ... | ... | |
| | Firewood | ... | 111 | 0 0 14,794 | 8 11 1,874 | 5 0 17,222 | 7 0 8,914 | 2 0 1,707 | 4 0 44,193 | 8 5 1,309 | 12 0 46,503 | 4 11 1,913 | 7 0 | ... | ... | 48,689 | 13 5 | ... | ... | ... | ... | ... | ... | ... | |
| Total | ... | 1,58,836 | 0 0 33,143 | 7 11 2,064 | 5 0 17,302 | 9 0 9,128 | 10 0 26,53 | 0 0 2,23,128 | 0 5 2,836 | 12 0 62,25,964 | 12 11 3,552 | 3 0 61,333 | 12 0 1,91,078 | 13 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| 1913-14 | Timber | ... | 1,52,805 | 0 0 18,011 | 4 0 732 | 8 0 10 | 0 0 | ... | 102 | 8 0 1,71,661 | 4 0 1,901 | 4 0 1,72,862 | 8 0 1,347 | 8 0 17,124 | 6 0 1,24,390 | 10 0 | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Inferior Redwood | ... | ... | 46 | 8 0 | 2 0 | ... | ... | 4 | 8 0 115 | 0 0 29 | 8 0 144 | 8 0 1 | 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Junglewood Posts, &c. | ... | 77 | 10 0 4,696 | 4 0 64 | 8 0 34 | 8 0 171 | 6 0 919 | 8 0 5,963 | 12 0 408 | 0 0 6,371 | 12 0 413 | 10 0 | ... | ... | 5,958 | 2 0 | ... | ... | ... | ... | ... | ... | ... | |
| | Firewood | ... | ... | 15,309 | 12 9 1,253 | 12 0 18,820 | 2 0 6,439 | 12 0 1,833 | 3 5 43,656 | 10 8 1,913 | 7 0 45,570 | 2 2 1,102 | 9 6 | ... | ... | 41,467 | 8 8 | ... | ... | ... | ... | ... | ... | ... | |
| Total | ... | 1,52,882 | 10 0 38,063 | 12 9 2,052 | 12 0 18,864 | 10 0 6,673 | 2 0 2,859 | 11 0 52,21,396 | 10 8 3,552 | 3 0 62,24,948 | 14 2 2,864 | 11 0 61,724 | 6 0 1,74,959 | 12 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| 1914-15 | Timber | ... | 1,28,556 | 4 0 12,237 | 8 0 927 | 8 0 3 | 12 0 | ... | 125 | 0 0 1,41,550 | 0 0 1,347 | 8 0 1,43,197 | 8 0 1,742 | 0 0 58,348 | 3 2 1,31,479 | 4 10 | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Inferior Redwood | ... | ... | 215 | 8 0 | ... | ... | ... | 3 | 0 0 226 | 8 0 1 | 0 0 227 | 8 0 6 | 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Junglewood Posts, &c. | ... | ... | 4,370 | 14 0 46 | 14 0 | ... | ... | 4 | 0 0 1,169 | 8 0 413 | 10 0 6,265 | 2 0 625 | 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Firewood | ... | ... | 16,011 | 13 2 246 | 11 0 18,486 | 13 0 6,250 | 0 0 2,008 | 12 8 43,004 | 2 4 1,102 | 9 6 44,106 | 11 10 1,595 | 7 6 | ... | ... | 42,511 | 4 4 | ... | ... | ... | ... | ... | ... | ... | |
| Total | ... | 1,28,556 | 4 0 33,035 | 11 2 1,229 | 1 0 18,490 | 9 6 6,314 | 4 0 3,306 | 4 0 81,90,382 | 2 4 2,864 | 11 0 61,93,796 | 13 10 5,969 | 7 0 6,58,348 | 3 2 21,31,479 | 3 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |

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

| Description of Taxes, &c. | Number of bills issued. | | WARRANTS. | | | WARRANTS ADJUSTED. | | | Number of cases in which distress was sold. | Amount realized. | | Demand towards which it was so realized. | | RESULT OF SALES. | | | | | | Distraint fees realized. | | | | | | | |
|---|---|----------------------------------|---|--------|------------------------------|--|--------|---|---|---|------------------|--|-------|------------------|-------|------------------|---------|----------|------------|--|-----|-----|-----|-------|-----|-----|-----|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | | | | | | | |
| | Number remaining unexecuted at the beginning of the year. | Number issued including arrears. | Number remaining unexecuted at the close of the year. | Total. | By payment before execution. | By payment after execution and cancellation. | Total. | Number of warrants remaining unexecuted at the close of the year. | | Number of cases in which distress was sold. | Amount realized. | RS. | A. P. | RS. | A. P. | Number of cases. | Amount. | Surplus. | Shortfall. | Number of Prosecutions instituted for default. | RS. | A. | P. | | | | |
| 1 Tax on Arts, &c. ... | 14,135 | 706 | 76 | 782 | 687 | 29 | 716 | 66 | 4 | 21 | 10 | 9 | 29 | 12 | 0 | 1 | 2 | 7 | 7 | 3 | 10 | 8 | 10 | 461 | 10 | 0 | 0 |
| 2 House, Water and Drainage & Lighting Taxes on Buildings and Lands ... | 10,36,30 | 9,155 | 1,286 | 10,391 | 9,389 | 32 | 9,421 | 970 | 56 | 262 | 15 | 7 | 542 | 6 | 6 | 12 | 15 | 6 | 1 | 44 | 294 | 13 | 0 | 18 | 71 | 4 | 0 |
| 3 Tax on Vehicles with springs and on Animals ... | 11,55 | 727 | 154 | 881 | 536 | 208 | 744 | 137 | 6 | 38 | 0 | 6 | 48 | 12 | 0 | 2 | 5 | 8 | 2 | 4 | 16 | 3 | 8 | 2,456 | 19 | 9 | 0 |
| 4 Tax on Carts ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 | 53 | 9 | 8 | 48 | 0 | 0 | 10 | 12 | 0 | 3 | 6 | 6 | 6 | 7 | ... | ... | ... | ... |
| 5 Payment for occupation of Municipal Lands ... | 15,847 | ... | ... | ... | ... | ... | ... | ... | 1 | 3 | 12 | 10 | 3 | 12 | 0 | 1 | 0 | 0 | 10 | ... | ... | ... | ... | ... | 7 | 0 | 0 |
| 6 Rent of Municipal Lands not falling under Section 408. | 2,825 | 1,128 | 33 | 1,161 | 1,136 | 15 | 1,151 | 10 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4 | 0 |
| 7 Miscellaneous Receipts ... | 2,173 | 200 | 44 | 244 | 206 | 9 | 215 | 29 | 1 | 7 | 13 | 5 | 8 | 0 | 0 | ... | ... | ... | ... | 1 | 0 | 2 | 7 | ... | 0 | 13 | 5 |

STATEMENT IV-J.—The following is an analysis of collection of each tax at each stage.

| 1 | ARREAR. | | | | | | CURRENT. | | | | | | 11 | | | | | | | |
|----|---------------------|-------------|--|---------|-----------------------------|-----------|----------------------------|-------------|--|--------------|---------------------|--------------|--|----------------|-----------------------------|-----|--------------------------------|-----|--------------------------|--|
| | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | | 8 | | 9 | | 10 | | |
| | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | RS. | A. P. | | RS. | A. P. | RS. | A. P. | RS. | A. P. | |
| | On service of bill. | | After issue and before execution of warrant. | | After execution of warrant. | | Total of Columns 2, 3 & 4. | | Collected in advance in the previous year. | | On service of bill. | | After issue and before execution of warrant. | | After execution of warrant. | | Total of Columns 6, 7, 8, & 9. | | Total of Columns 5 & 10. | |
| 1. | ... | 1,525 4 3 | ... | 67 8 0 | 12 8 0 | 1,696 4 3 | ... | ... | ... | 1,64,069 0 0 | 2,127 8 0 | 129 | 211 | 1,66,315 10 11 | 1,67,921 15 9 | | | | | |
| 2. | ... | 36,312 2 0 | 6,438 14 6 | 170 1 7 | 42,921 2 1 | 5,689 7 3 | 8,53,454 1 2 | 38,356 15 0 | 212 | 1 0 | 5,88,341 5 1 | 6,11,240 0 3 | | | | | | | | |
| 3. | ... | 23,537 14 1 | 4,250 4 0 | 110 9 1 | 27,898 11 2 | 3,698 2 5 | 5,54,499 1 6 | 24,932 0 2 | 40 | 12 6 | 1,12,234 6 1 | 1,17,599 8 1 | | | | | | | | |
| 4. | ... | 4,526 8 3 | 817 5 7 | 21 4 2 | 5,365 2 0 | 711 2 11 | 1,06,687 12 10 | 4,794 9 10 | 168 | 12 0 | 1,09,456 2 0 | 1,11,116 0 4 | | | | | | | | |
| 5. | ... | 261 12 0 | 1,342 14 0 | 55 4 4 | 1,659 14 4 | 1,742 8 0 | 1,03,496 0 0 | 4,048 14 0 | 86 | 6 0 | 6,096 14 0 | 6,126 7 6 | | | | | | | | |
| 6. | ... | 28 5 6 | ... | 1 4 0 | 29 9 6 | ... | 6,010 8 0 | ... | ... | ... | ... | ... | | | | | | | | |

APPENDIX I.

TABLE No. 1.

Statement showing the current demand, collection, remission and balance under the combined property taxes as compared with the corresponding figures for 1912-13 and 1913-14.

| Year. | Gross Demand. | | Remitted on appeal. | | Net Demand. | | Collection. | | Remission and written off. | | Balance. | | Percentage of collection to Demand. |
|-------------|---------------|-------|---------------------|-------|-------------|-------|-------------|-------|----------------------------|-------|------------|-------|-------------------------------------|
| | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | |
| 1912-13 ... | 15,17,271 | 7 11 | 1,221 | 1 8 | 15,16,050 | 6 3 | 14,20,425 | 9 8 | 16,133 | 0 1 | 79,491 | 12 6 | 93-69 |
| 1913-14 ... | 15,70,971 | 11 1 | 1,587 | 10 3 | 15,69,384 | 0 10 | 14,69,099 | 11 5 | 14,267 | 15 0 | 86,016 | 6 5 | 93-61 |
| 1914-15 ... | 16,53,135 | 15 2 | 1,601 | 12 3 | 16,51,5 | 2 11 | 15,93,403 | 4 5 | 16,011 | 9 5 | (a) 42,119 | 5 1 | (b) 96-48 |

(a) Includes Rs. 7,169-11-6, viz : the increased tax on Government Military buildings under appeal.

(b) The percentage of collection to the net demand exclusive of the enhanced amount in the assessments of Government Military buildings under appeal is 96-90.

APPENDIX I.

TABLE No. 2.

Statement showing the demand, collection, remission and balance under the combined arrear property taxes as compared with the corresponding figures for the years 1912-13 and 1913-14.

| Year. | Outstanding at the beginning of the year. | | Subsequent amendments and additions. | | Total demand. | | Collection. | | Remission and written off. | | Balance. | | Percentage of collection to demand. |
|---------|---|-------|--------------------------------------|-------|---------------|-------|-------------|-------|----------------------------|-------|------------|-------|-------------------------------------|
| | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | |
| 1912-13 | 11,910 | 14 4 | —170 | 12 10 | 11,740 | 1 6 | 10,953 | 8 6 | 418 | 5 11 | 368 | 3 1 | 93-30 |
| 1913-14 | 79,859 | 15 7 | 385 | 1 1 | 80,245 | 0 8 | 7,173 | 7 0 | 443 | 9 9 | 72,627 | 15 11 | 8-94 |
| 1914-15 | 158,644 | 6 4 | —66,087 | 2 3 | 92,557 | 4 1 | 76,184 | 15 3 | 790 | 13 1 | (a) 15,581 | 7 9 | (b) 82-31 |

(a) Includes Rs. 14,328-12-8 being the increased tax on Government Military buildings under appeal.

(b) The percentage of collection to the net demand exclusive of the enhanced amount in the assessments of Government Military buildings under appeal is 97-42.

TABLE No. 3.

Statement showing the number of Vehicles and Animals assessed for the year 1914-15 as compared with that of 1913-14.

| Description of Vehicles and Animals. | Number assessed in 1913-14. | Number assessed in 1914-15. | Percentage of increase or decrease. |
|--|-----------------------------|-----------------------------|-------------------------------------|
| I. (a) Four-Wheeled Vehicle with springs propelled by electricity, gas, steam or any other mechanical power | 636 | 792 | + 24.53 |
| (b) Four-Wheeled Vehicle with springs drawn by two or more horses | 166 | 135 | -18.67 |
| 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. | 2,585 | 2,485 | -3.83 |
| III. Two-Wheeled Vehicle with springs drawn by one or more horses, mules, bulls or bullocks | 2,774 | 2,689 | -3.08 |
| IV. Bicycle or tricycle propelled by electricity, gas or steam (<i>Vide</i> note VI below) .. | 519 | 616 | + 18.69 |
| V. Every other bicycle or tricycle | 4,535 | 4,562 | + .59 |
| VI. Every other vehicle with springs— | | | |
| (a) <i>Perambulator</i> | 243 | 208 | -14.40 |
| (b) <i>Finrickshaw</i> | 2,188 | 1,924 | -12.07 |
| (c) <i>Hand-cart with springs</i> | 124 | 148 | + 19.35 |
| VII. Horse over thirteen hands | 3,020 | 2,776 | -8.08 |
| VIII. Horse of or under thirteen hands or mule ... | 2,095 | 2,033 | -2.96 |
| IX. Horse of or under eleven hands | 319 | 298 | -6.58 |
| X. Bullock or Bull | 7,522 | 7,614 | + 1.24 |
| XI. Male Buffalo | 45 | 39 | -14.22 |
| XII. Ass | 90 | 71 | -21.11 |
| XIII. Dog | 4,024 | 3,806 | -5.34 |

TABLE No. 4.

Statement showing the Details of Refunds of other than current collections during 1914-15.

| Particulars. | Amount. | | |
|--|---------|-----|-----|
| | Rs. | A. | P. |
| Tax on Arts, &c. | 345 | 0 | 0 |
| House, Water and Drainage and Lighting taxes on Buildings and Lands | 17,916 | 13 | 10 |
| Tax on Vehicles with Springs | 80 | 8 | 0 |
| Tax on Animals | 29 | 4 | 0 |
| Tax on Carts | ... | ... | ... |
| License fees on Timber and Firewood ... | 42,785 | 9 | 7 |
| Miscellaneous | 4,482 | 15 | 7 |
| Total... | 65,640 | 3 | 0 |

TABLE No. 5.

Statement of actual arrear balance under combined property taxes outstanding at the close of the year 1914-15 inclusive of the amount covered by decrees.

| Period. | Actual arrear balance outstanding on 31st March 1915 exclusive of the amount due by Government for Military buildings under appeal. | | | Amount covered by decrees. | | | Balance for Recovery. | | |
|-------------|---|----|----|----------------------------|-----|-----|-----------------------|----|----|
| | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. |
| 1911-12 ... | 20 | 14 | 9 | ... | ... | ... | 20 | 14 | 9 |
| 1912-13 ... | 128 | 12 | 10 | ... | ... | ... | 128 | 12 | 10 |
| 1913-14 ... | 1,102 | 15 | 6 | 27 | 11 | 0 | 1,075 | 4 | 6 |
| Total ... | 1,252 | 11 | 1 | 27 | 11 | 0 | 1,225 | 0 | 1 |

TABLE No. 6.

The following statement exhibits the result of the elections in 1914-15 to fill vacancies among Divisional Commissioners.

| Division. | Date of Election. | Date when gazetted. | Name of candidate elected. |
|-----------|-------------------|---------------------|---------------------------------------|
| 10 | 24-2-1915 | 2-3-1915 | M.R.Ry. P. Parthasarathi Nayudu Garu |
| 13 | 15-8-1914 | 25-8-1914 | „ T. Rangachariar Avargal, B.A. B.L. |
| 20 | 25-7-1914 | 4-8-1914 | „ K. N. Ayya Ayyar Avargal, B.A. B.L. |

FORM I.
Statement showing the constitution of the Corporation of Madras on 31st March 1915.

| 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | 7 |
|-------------------|-----------------------------|------------------------|--------------------------------------|--|------------------------------------|-----|-----|-----|-----|-----|-----|-----|----------|
| | | | | | Number of Members of Constitution. | | | | | | | | |
| Name of District. | Serial No. of Municipality. | Name of Municipality. | Act under which constituted. | Population within the Municipal limits | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | REMARKS. |
| Madras. | 1 | Corporation of Madras. | The Madras City Municipal Act, 1904. | 5,18,660 | 1 | 15 | 20 | 36 | 5 | 31 | 13 | 23 | |

| | | | | | | | | | | |
|------------|--------|--|--|---------------|-----|-----|-----------|----------|-----------|-----|
| 1,20,000 | 4 p.c. | For substitution of C. 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. | No. 1089 M. Mis., dated 30th July 1901, L. & M. | ... | ... | 13 | 13,900 | 1,200 | 15,100 | ... |
| 2,00,000 | 4 p.c. | For drainage works— | Do. do. do. | ... | ... | 12 | 22,700 | 2,000 | 24,700 | ... |
| 5,00,000 | 4 p.c. | Do. do. do. | Do. do. do. | ... | ... | 11 | 51,200 | 5,200 | 56,400 | ... |
| † 7,00,000 | 4 p.c. | Do. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 20,137 each. Taken in 1906. | No. 35 M. Mis., dated 21st January 1903 and No. 869 M. Mis., dated 25th June 1903. | ... | ... | 7 | 16,900 | 2,300 | 19,200 | ... |
| 1,00,000 | 4 p.c. | For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 2,100 per annum. Taken in 1905-07. | No. 31 M., dated 10th January 1907. | ... | ... | ... | ... | ... | ... | ... |
| † 4,00,000 | 4 p.c. | For improvement of Water-supply and drainage works. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 11,507 each. Taken in 1908-09. | No. 1983 M., dated 10th November 1908. | ... | ... | ... | ... | ... | ... | ... |
| † 4,00,000 | 4 p.c. | Do. do. do. | No. 1550 M., dated 16th September 1909. | ... | ... | ... | ... | ... | ... | ... |
| 4,25,000 | 4 p.c. | For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 8,920 per annum. Taken in 1909-10. | No. 1289 M., dated 12th August 1909. | ... | ... | 5 | 41,000 | 9,200 | 50,200 | ... |
| 1,00,000 | 4 p.c. | For Napier Bridge. Repayable in 30 years by a Sinking Fund of Rs. 2,100 per annum. Taken in 1909-10. | Do. do. do. | ... | ... | 5 | 9,500 | 2,300 | 11,900 | ... |
| 50,000 | 4 p.c. | For Napier Bridge. Repayable in 30 years by a Sinking Fund of Rs. 1,040 per annum. | Do. do. do. | ... | ... | 3 | 3,200 | 1,000 | 4,200 | ... |
| 3,00,000 | 4 p.c. | For special buildings. | Do. do. do. | ... | ... | ... | ... | ... | ... | ... |
| † 1,00,000 | 4 p.c. | For improvement of Water-supply and Drainage. Repayable in 30 years by sixty equal half-yearly instalments of Rs. 2,876 each. | No. 2209 M., dated 14th December 1911. | ... | ... | ... | ... | ... | ... | ... |
| 3,42,000 | 4 p.c. | For special buildings. Repayable in 30 years by a Sinking Fund of Rs. 7,180 per annum. | No. 2101 M., dated 29th November 1911. | ... | ... | ... | ... | ... | ... | ... |
| 2,00,000 | 4 p.c. | Do. do. do. | No. 1891 M., dated 15th August 1913. | ... | ... | ... | ... | ... | ... | ... |
| 50,000 | 4 p.c. | For Electric Lights per annum. | No. 422 M., dated 2nd March 1914... | ... | ... | ... | ... | ... | ... | ... |
| 1,30,000 | 4 p.c. | Do. do. do. | Do. do. do. | ... | ... | ... | ... | ... | ... | ... |
| 1,70,000 | 4 p.c. | For special buildings per annum. | No. 2588 M., dated 26th December 1914. | ... | ... | ... | ... | ... | ... | ... |
| 91,37,000 | | | | ... | ... | ... | ... | ... | ... | ... |
| | | | | 47957442,887- | ... | ... | 22,49,100 | 1,19,600 | 23,68,700 | ... |
| | | | | -13-8 | 8-4 | ... | ... | ... | ... | ... |

* Represents the value of securities purchased for the annual allotment shown in Statement II plus interest realized on previous investments on open market loans.
 † Loans from Government.

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

CR.

| | RS. | A. | P. | | RS. | A. | P. |
|---|-----------|----|----|--|-----------|-----|-----|
| To Grant I.—Public Works | 8,16,340 | 0 | 8 | By Opening Balance | 8,57,414 | 6 | 8 |
| " " II.—Education | 27,392 | 0 | 5 | " Municipal Rates and Taxes | 12,48,728 | 15 | 7 |
| " " III.—Sanitation and Medical Services | 8,64,135 | 5 | 11 | " Revenue derived from Municipal property and powers apart from Taxation | 3,77,779 | 2 | 9 |
| " " IV.—Miscellaneous Municipal purposes | 1,63,279 | 5 | 9 | " Grants and Contributions | 5,15,350 | 0 | 0 |
| " " V.—Supervision and Management | 1,15,786 | 0 | 11 | " Miscellaneous | 56,164 | 12 | 1 |
| " Repayment of Debt | 34,930 | 0 | 0 | " Extraordinary and Debt | 3,70,000 | 0 | 0 |
| " Interest on Loan | 77,838 | 0 | 0 | " Advances Recovered | 41,461 | 10 | 8 |
| " Advances recoverable | 31,419 | 13 | 5 | Transferred from Water and Drainage Fund Loan Account | ... | ... | ... |
| " Refund of other than Current Collections | 43,395 | 10 | 8 | | | | |
| " Discount on Loan | 18,582 | 8 | 0 | | | | |
| " Pensions and Gratuities | 24,348 | 9 | 4 | | | | |
| " Transfer to Water and Drainage Fund Revenue Account | 18,713 | 5 | 5 | | | | |
| " Closing Balance Revenue Account | 10,11,526 | 7 | 0 | | | | |
| " Do Loan Account | 2,19,211 | 12 | 3 | | | | |
| Total | 34,66,898 | 15 | 9 | Total | 34,66,898 | 15 | 9 |

DR. *Water and Drainage Fund*—[Vide G. O., No. 244, dated 18th February 1882.]

CR.

| | RS. | A. | P. | | RS. | A. | P. |
|---|-----------|-----|-----|---|-----------|-----|-----|
| To Grant I.—Public Works— | | | | By Opening Balance | 9,13,220 | 8 | 3 |
| New Works— | | | | " Municipal Rates and Taxes— | | | |
| Buildings | ... | ... | ... | Water Tax on Buildings and Lands | 6,02,463 | 11 | 9 |
| Drainage | 2,41,911 | 11 | 3 | Water Tax on Lands | 7,110 | 3 | 7 |
| Water-supply | 5,90,251 | 3 | 2 | " Tax on Vehicles, Animals and Cart | 48,088 | 0 | 7 |
| Repairs— | | | | By Revenue derived from Municipal property and powers apart from taxation | 1,47,720 | 8 | 8 |
| Buildings | 2,297 | 0 | 2 | | | | |
| Drainage—Repairs to Works, &c. | 3,16,968 | 11 | 2 | By Grants and Contributions— | | | |
| Establishment | 52,785 | 0 | 6 | From Government— | | | |
| Overtime | 159 | 13 | 0 | Improvement of Water-supply and Drainage | 5,00,000 | 0 | 0 |
| Allowances | 1,918 | 1 | 1 | Miscellaneous— | | | |
| Water-supply—Repairs to Works, &c. | 65,318 | 3 | 6 | Payment for Water for non-domestic purposes | 1,46,585 | 11 | 11 |
| Establishment | 15,003 | 9 | 3 | Sundry Receipts—Waterworks | 4,500 | 0 | 0 |
| Allowances | 1,102 | 10 | 0 | Workshop Receipts | 6,935 | 11 | 6 |
| Establishment—General | 1,47,635 | 4 | 8 | " Extraordinary and Debt— | | | |
| Miscellaneous—W. W. Contingent | 1,097 | 5 | 1 | Loan from Government | ... | ... | ... |
| " Grant IV.—Misc. Municipal purposes— | | | | Interest on Sinking Fund— | | | |
| Other Charges— | | | | Waterworks Loan of 1869-73 | 45,487 | 0 | 0 |
| Payment for Red Hills Water. Contribution to Provincial Funds | 24,374 | 0 | 0 | " Advances Recovered | 1,811 | 12 | 4 |
| Stores | ... | ... | ... | " Transfer from General Fund Revenue Account | 18,713 | 5 | 5 |
| Workshops | 6,670 | 9 | 11 | | | | |
| " Grant V.—Supervision and Management | 66,277 | 14 | 10 | | | | |
| " Repayment of Debt— | | | | | | | |
| Sinking Fund | 93,917 | 8 | 4 | | | | |
| Interest | 2,61,766 | 10 | 10 | | | | |
| Advances recoverable | 34,004 | 10 | 6 | | | | |
| " Refund of other than Current Collections | 20,983 | 3 | 0 | | | | |
| Transferred to General Fund Revenue Account | ... | ... | ... | | | | |
| Closing Balance Loan Account | 4,95,955 | 7 | 8 | | | | |
| Total | 24,42,616 | 10 | 0 | Total | 24,42,616 | 10 | 0 |

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

CR.

| To | Grant I— | RS. | A. P. | | RS. | A. P. |
|----|------------------------------------|-----------------|--------------|-----------------------------------|-----------------|--------------|
| | Establishment—General | 1,980 | 8 5 | By Opening Balance— | | |
| " | Grant IV— | | | Municipal Rates and | —17,439 | 12 4 |
| | Lighting—Establishment | 1,112 | 12 10 | Taxes— | | |
| | Allowance | 578 | 6 2 | Lighting Tax on | 1,15,893 | 8 2 |
| | Labor | 5,469 | 11 7 | Buildings and Lands— | | |
| | Maintenance | 70,921 | 11 8 | Lighting Tax on Lands— | 1,385 | 9 7 |
| | Additional Lamps and | | | Miscellaneous— | | |
| | Sundries | 62,254 | 0 5 | Refund from expenditure of previ- | | |
| | Repairs to Lamps and | | | ous years | ... | ... |
| | Posts | 3,040 | 3 10 | Workshop Receipts | 792 | 10 5 |
| | Other charges— | | | Extraordinary and debt | 1,80,000 | ... |
| | Stores | 253 | 7 9 | | | |
| | Workshops | 762 | 5 8 | | | |
| " | Grant V— | | | | | |
| | Salaries of Officers | 1,391 | 7 0 | | | |
| | Head Office | 1,421 | 12 2 | | | |
| | Assessment and Collection | 4,772 | 12 0 | | | |
| | Repayment of Debt— | | | | | |
| | Sinking Fund | 780 | 0 0 | | | |
| | Interest | 1,000 | 0 0 | | | |
| " | Refund of other than Current | | | | | |
| | Collections | 1,261 | 5 4 | | | |
| " | Closing Balance (Revenue account). | 36,949 | 12 8 | | | |
| | Do, (Loan account) | 86,681 | 10 4 | | | |
| | Total | 2,80,631 | 15 10 | Total | 2,80,631 | 15 10 |

Revenue and Capital Accounts for 1914-15 as compared with the Revised Estimate for 1914-15.

| | REVENUE ACCOUNT. | | CAPITAL ACCOUNT. | | TOTAL. | |
|--|-------------------|----------------------------|-------------------|----------------------------|-------------------|----------------------------|
| | Actuals, 1914-15. | Revised Estimate, 1914-15. | Actuals, 1914-15. | Revised Estimate, 1914-15. | Actuals, 1914-15. | Revised Estimate, 1914-15. |
| Receipts— | | | | | | |
| Opening Balance | 8,34,126 | 8,34,130 | 9,19,069 | 9,19,070 | 17,53,195 | 17,53,200 |
| Municipal Rates and Taxes | 20,23,650 | 20,46,660 | ... | ... | 20,23,650 | 20,46,660 |
| Revenue derived from Municipal property and powers apart from Taxation | 4,70,470 | 4,46,030 | 55,030 | 54,930 | 5,25,500 | 5,00,960 |
| Grants and Contributions | 5,15,350 | 5,15,350 | 5,00,000 | 5,00,000 | 10,15,350 | 10,15,350 |
| Miscellaneous | 2,14,979 | 1,96,230 | ... | ... | 2,14,979 | 1,96,230 |
| Extraordinary and Debt | 45,487 | 45,200 | 5,50,000 | 5,50,000 | 5,95,487 | 5,95,200 |
| Advances Recovered | 41,462 | 50,070 | 1,812 | 1,810 | 43,274 | 51,880 |
| Transferred from Revenue Account | ... | ... | ... | ... | ... | ... |
| Total | 41,45,524 | 41,33,670 | 20,25,911 | 20,25,810 | 61,71,435 | 61,59,480 |
| Charges— | | | | | | |
| Grant I—Public Works | 11,26,404 | 14,10,780 | 11,28,365 | 12,37,780 | 22,54,769 | 26,48,560 |
| II—Education | 27,392 | 29,380 | ... | ... | 27,392 | 29,380 |
| III—Sanitation and Medical Services | 8,64,135 | 8,64,760 | ... | ... | 8,64,135 | 8,64,760 |
| IV—Miscellaneous Municipal Purposes | 2,79,243 | 3,02,970 | 61,692 | 1,30,000 | 3,40,935 | 4,32,970 |
| V—Supervision and Management | 1,89,650 | 1,92,040 | ... | ... | 1,89,650 | 1,92,040 |
| Repayment of Debt | 1,29,628 | 1,29,610 | ... | ... | 1,29,628 | 1,29,610 |
| Interest on Loans | 3,40,605 | 3,48,560 | ... | ... | 3,40,605 | 3,48,560 |
| Advances Recoverable | 31,420 | 5,100 | 34,005 | 11,500 | 65,425 | 16,600 |
| Refund of other than Current Collections | 65,640 | 60,000 | ... | ... | 65,640 | 60,000 |
| Discount | 18,582 | 18,590 | ... | ... | 18,582 | 18,590 |
| Pensions and Gratuities | 24,349 | 23,990 | ... | ... | 24,349 | 23,990 |
| Transferred to Capital Account | ... | ... | ... | ... | ... | ... |
| Closing Balance | 10,48,476 | 7,47,940 | 8,01,849 | 6,46,530 | 18,50,325 | 13,94,470 |
| Total | 41,45,524 | 41,33,670 | 20,25,911 | 20,25,810 | 61,71,435 | 61,59,480 |

Statement showing the expenditure incurred by the Corporation of Madras during the year 1914-15 from the special grants received from Provincial Funds.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------------------|--|---|---|---|--|---|---|--|----------|
| Opening balance. | No. and date of Government order sanctioning the grant for the year. | Purpose for which the grant was made. | Amount of grant received during the year. | Actual expenditure during the year out of the grants shown in col. 4. | Balance of grant at the close of the year (col. 4 minus col. 5.) | Expenditure incurred during the year out of the balance of grants sanctioned in previous years shown in col. 1. | Balance of such grants remaining unutilized at the close of the year (col. 1 minus col. 7). | Closing balance (col. 6, plus col. 8). | REMARKS. |
| Rs. | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| 4,383 | G. O. No. 876-M. Mis., dated 2nd May 1914. | For Malaria investigation ... | 3,00,000 | 2,23,413 | 76,587 | 4,383 | ... | 76,587 | |
| 6,814 | G. O. No. 841-M. Mis., dated 24th March 1913 | For construction of bear pits and aviary in Peoples' Park ... | ... | ... | ... | 1,843 | 4,971 | 4,971 | |
| 1,73,000 | G. O. No. 1520-M Mis., dated 6th Aug. 1913. | For Sanitary Works ... | ... | ... | ... | 1,53,712 | 19,288 | 19,288 | |
| *8,40,075 | G. O. No. 875-M. Mis., dated 2nd May 1914. | For improvement of Water-supply and Drainage ... | 5,00,000 | 1,32,220 | 3,67,780 | 8,40,075 | ... | 3,67,780 | |
| ... | G. O. No. 1045-M Mis., dated 27th May 1914. | For acquisition of lands for Sewage Farm ... | 1,25,000 | ... | 1,25,000 | ... | ... | 1,25,000 | |
| ... | Do. | For construction of model cow-houses ... | 50,000 | ... | 50,000 | ... | ... | 50,000 | |

* The difference of Rs. 510 is due to the recovery of the advances omitted to be shown as an abatement of the expenditure in the previous report.

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

| Particulars. | 1908-09. | 1909-10. | 1910-11. | 1911-12. | 1912-13. | 1913-14. | 1914-15. | Total. |
|--|------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------|
| Water-supply:—New Works | Rs. 94,108 | Rs. 2,06,778 | Rs. 3,47,217 | Rs. 4,81,338 | Rs. 6,63,591 | Rs. 17,29,867 | Rs. 6,36,480 | Rs. 41,57,879 |
| Drainage :— | 67,240 | 86,216 | 4,18,032 | 5,87,049 | 4,69,810 | 3,20,136 | 3,03,622 | 22,02,105 |
| Drainage { Pumping Stations | ... | 86,324 | 1,14,889 | 1,21,774 | 1,42,912 | 1,46,546 | 1,85,870 | 7,98,315 |
| Maintenance { Sewer cleaning | ... | 15,303 | 21,344 | 14,385 | 18,270 | ... | ... | 69,302 |
| Water-supply :—Repairs, Kilpauk Pumping Station | ... | ... | ... | ... | ... | ... | 20,812 | 20,812 |
| Works executed and the cost charged to Revenue account | ... | 7,930 | 9,863 | 8,864 | 1,373 | 13,380 | 6,152 | 47,562 |
| Private work executed | ... | 455 | 1,013 | 729 | 1,354 | 23,298 | 72,337 | 99,186 |
| Total Rs. ... | 1,61,348 | 4,03,006 | 9,12,358 | 11,64,139 | 12,97,310 | 22,31,727 | 12,25,273 | 73,95,161 |

SPECIAL WORKS DEPARTMENT.

Expenditure under Capital Account.

| Particulars. | Amount from 1-4-1908 to 31-3-15. | | | Amount for 1914-15. | | |
|---|--|----|----|------------------------|-----|-----|
| | Rs. | A. | P. | Rs. | A. | P. |
| Drainage Section. | | | | | | |
| New Drainage Works "Special Establishment— | 20,92,508 | 3 | 1 | 2,92,369 | 15 | 0 |
| General Branch | 1,11,780 | 10 | 9 | 17,749 | 8 | 2 |
| Design and Construction | 2,45,787 | 7 | 9 | 51,358 | 11 | 4 |
| Famine Allowance | 1,671 | 11 | 2 | 248 | 11 | 3 |
| Conveyance Allowance | 8,497 | 12 | 4 | 3,210 | 14 | 6 |
| Charge Allowance | 781 | 11 | 1 | ... | ... | ... |
| Sewer No. II | 568 | 1 | 9 | ... | ... | ... |
| George Town Drainage | 889 | 0 | 0 | ... | ... | ... |
| Miscellaneous | 1,16,398 | 1 | 7 | 20,155 | 5 | 2 |
| Total for Drainage Works | 25,78,882 | 11 | 6 | 3,85,093 | 1 | 5 |
| Sales of Stores | Cr. 3,76,778 | 8 | 0 | Cr. 81,470 | 13 | 11 |
| Net Expenditure | 22,02,104 | 3 | 6 | 3,03,622 | 3 | 6 |
| Waterworks Section. | | | | | | |
| New Water-supply Works "Special" Establishment— | 26,83,418 | 5 | 7 | 3,35,117 | 11 | 3 |
| General Branch | 1,11,770 | 6 | 1 | 17,784 | 5 | 0 |
| Construction | 1,43,147 | 12 | 8 | 15,754 | 7 | 4 |
| Famine Allowance | 1,488 | 6 | 0 | 116 | 7 | 4 |
| Travelling Allowances to Officers | 3,593 | 2 | 2 | 366 | 7 | 6 |
| Charge Allowance | 682 | 15 | 9 | ... | ... | ... |
| Miscellaneous | 49,733 | 1 | 9 | 6,854 | 6 | 5 |
| Distribution Scheme— | | | | | | |
| Establishment | 42,054 | 11 | 0 | 22,553 | 5 | 3 |
| Famine Allowance | 63 | 14 | 5 | 63 | 14 | 5 |
| Conveyance Allowance | 1,556 | 9 | 4 | 1,070 | 7 | 7 |
| Works, &c. | 16,49,873 | 8 | 7 | 3,28,294 | 12 | 4 |
| Total for Water-supply | 46,87,382 | 13 | 4 | 7,27,926 | 4 | 5 |
| Sales of Stores | Cr. 5,29,503 | 9 | 11 | Cr. 91,446 | 5 | 1 |
| Net Expenditure | 41,57,879 | 3 | 5 | 6,36,479 | 15 | 4 |
| Summary of Expenditure. | | | | | | |
| Drainage Works | 25,78,882 | 11 | 6 | 3,85,093 | 1 | 5 |
| Waterworks | 46,87,382 | 13 | 4 | 7,27,926 | 4 | 5 |
| Total | 72,66,265 | 8 | 10 | 11,13,019 | 5 | 10 |
| Deduct Sales of Stores | 9,06,282 | 1 | 11 | 1,72,917 | 3 | 0 |
| Net Expenditure | 63,59,983 | 6 | 11 | 9,40,102 | 2 | 10 |

SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

Statement showing details of petty works carried out from 1st April 1914 to 31st March 1915.

Note.—These do not include Tondiarpet and other Main Drainage Works.

| I. Lengths of Pipes laid— | | | | | | Fect. |
|---------------------------|---------------------------------------|-----|-----|-----|-----|-------|
| 4" | Stoneware Pipes for house connections | ... | ... | ... | ... | 232 |
| 6" | Do. do. for sewers | ... | ... | ... | ... | 748 |
| 9" | Do. do. do. | ... | ... | ... | ... | 236 |
| | | | | | | No. |
| II. | Houses connected to sewers | ... | ... | ... | ... | 44 |
| III. | Manholes constructed | ... | ... | ... | ... | 9 |
| IV. Miscellaneous— | | | | | | |
| | Siphon cisterns built | ... | ... | ... | ... | 44 |
| | Silt catcher cisterns built | ... | ... | ... | ... | 44 |

SPECIAL WORKS DEPARTMENT—DISTRIBUTION SCHEME.

Contract M. and M. No. 16 (Balmer Lawrie & Co.)

Delivery of C. I. Pipes to 31st March 1915.

| Diameter of pipes in inches. | Length of pipes in contract in feet. | Pipes in feet delivered up to 31-3-15. | Length of cut pipes rejected in feet. | Accepted pipes in feet. |
|------------------------------------|--------------------------------------|--|---------------------------------------|-------------------------|
| 42" | 13,632 | 13,632 | 27 | 13,605 |
| 36" | 5,008 | 5,008 | 15 | 4,993 |
| 33" | 1,624 | 1,624 | 9 | 1,615 |
| 30" | 14,616 | 14,616 | 36 | 14,580 |
| 27" | 1,956 | 1,956 | 22 | 1,934 |
| 24" | 828 | 828 | 15 | 813 |
| 20" | 5,652 | 5,652 | 62 | 5,590 |
| 18" | 5,280 | 5,280 | 93 | 5,187 |
| 16" | 3,216 | 3,216 | 69 | 3,147 |
| 14" | 1,320 | 1,320 | 6 | 1,314 |
| 12" | 4,848 | 4,848 | 13 | 4,835 |
| 10" | 2,556 | 2,556 | 2 | 2,554 |
| 9" | 279 | 279 | ... | 279 |
| 8" | 261 | 261 | ... | 261 |
| 7" | 3,879 | 3,879 | 12 | 3,867 |
| 6" | 8,667 | 8,667 | 13 | 8,654 |
| 5" | 8,550 | 8,550 | 19 | 8,531 |
| 4" | 57,996 | 57,996 | 46 | 57,950 |
| 3" | 207 | 207 | 1 | 206 |
| 2½" | 135 | 135 | ... | 135 |
| 2" | 324 | 324 | ... | 324 |
| Total length in lineal feet | 140,834 | 1,40,834 | 460 | 1,40,374 |

SPECIAL WORKS DEPARTMENT—DISTRIBUTION SCHEME.

C. I. Pipes laid up to 31st March, 1915.

| Diameter of Pipes. | Contract No. 10—Main No. 1. (M. Bashyam Naidu.) | | | * Contract No. 11—Main No. 7. (N. Moonoswami Mudaly.) | |
|---------------------------------------|--|--------------------------------------|---------------------|---|--------------------------------------|
| | Length in Contract. | Total laid to 31st March 1915. | Balance to be laid. | Length in Contract. | Total laid to 31st March 1915. |
| 42" | 13,738 | 13,079 | 659 | ... | ... |
| 36" | 4,935 | 4,661 | 274 | ... | ... |
| 33" | 1,648 | 1,821 | ... | ... | ... |
| 30" | 1,698 | 1,551 | 147 | 13,006 | 13,073 |
| 27" | 1,962 | 2,126 | ... | ... | ... |
| 24" | 735 | 852 | ... | ... | ... |
| 20" | 1,382 | 1,355 | 27 | 4,277 | 4,300 |
| 18" | 2,225 | 2,323 | ... | 2,532 | 3,020 |
| 16" | ... | ... | ... | 2,966 | 2,983 |
| 14" | 1,040 | 1,112 | ... | ... | ... |
| 12" | 1,673 | 1,786 | ... | 2,865 | 2,933 |
| 10" | 1,614 | 1,604 | 10 | 404 | 489 |
| 9" | ... | 113 | ... | ... | ... |
| 8" | ... | ... | ... | ... | ... |
| 7" | 688 | 743 | ... | ... | ... |
| 6" | 2,092 | 2,110 | ... | ... | ... |
| 5" | ... | ... | ... | ... | ... |
| 4" | — | ... | ... | ... | ... |
| Total length in lineal feet | 35,430 | 35,236 | 1,117 | 26,050 | 26,798 |
| Value of Work, Rs. ... | 1,22,389 | 1,20,000 | 2,392 | 70,399 | 60,288 |

* NOTE.—Contract II. The excess in total lengths laid, as compared with the lengths in the contract, is due to alteration in design, longer length of inter-connection, &c. Savings have been effected as shown below :—

| | |
|--|---------------|
| | Rs. |
| General items such as timber to be left in trenches | 8,420 |
| Contingencies | 4,000 |
| | <u>12,420</u> |
| Deduct excess expenditure due to revised lengths ... | 2,309 |
| Total Savings over excess of expenditure | <u>10,111</u> |
| „ Value of tender ... Rs. | 70,399 |
| „ „ work executed ... „ | 60,288 |
| Net savings | 10,111 |

APPENDIX II—TABLE No. 5. SPECIAL WORKS DEPARTMENT, WATER WORKS SECTION. Statement of Contracts awarded in connection with the New Waterworks.

Table with columns: Order No., Description of work, Name of Contractor, Amount Contracted, Value of work performed to date, Date of order, Date of completion, Remarks. Includes entries for items like 'Supply of water', 'Construction of pipes', 'Installation of valves', etc.

* These figures are only approximations.

SPECIAL WORKS DEPARTMENT, DRAINAGE SECTION.

TABLE No. 7.

Statement of Miscellaneous Piece-work Contracts awarded in connection with Special Drainage.

| Contract No. | Description of Works. | Name of Contractor. | Value of work executed up to 31st March 1915. | | | Date of order to Commence. | | | Date of Completion. | | | REMARKS. |
|--------------|---|--|---|----|----|----------------------------|-----|-----|---------------------|-----|-----|------------|
| | | | Rs. | A. | P. | D. | M. | Y. | D. | M. | Y. | |
| 1 | Construction of a masonry shaft at Kelly's drain ... | C. V. Chinnasami Sastri. | 155 | 7 | 5 | 17 | 6 | 10 | ... | ... | ... | Cancelled. |
| 2 | Construction of compound wall, wells, &c., at Law College Pumping Station ... | P. Parthasarathi Naidu ... | 3,378 | 3 | 6 | 5 | 3 | 10 | ... | ... | ... | Do. |
| 3 | Construction of a Night-Soil Depot, &c., at Ice House Road ... | O. Munisawmi Mudaliyar. | 2,011 | 2 | 0 | 25 | 5 | 10 | ... | ... | ... | Do. |
| 4 | Construction of a water tower at Night-Soil Depot, Ice House Road ... | The South India Indus-trials, Ltd. ... | 736 | 12 | 11 | 18 | 4 | 10 | 19 | 5 | 10 | |
| 6 | Construction of masonry work at Law College Pumping Station ... | Shammuga Mudaliyar ... | 537 | 1 | 8 | 13 | 10 | 10 | 20 | 6 | 11 | |
| 7 | Execution of excavation works at Law College Pumping Station ... | T. C. Subramania Maistri | 137 | 1 | 10 | 1 | 10 | 10 | 19 | 12 | 10 | |
| 8 | Supply of obra sets for Law College Pumping Station ... | Do. | 107 | 0 | 3 | 10 | 10 | 10 | 12 | 1 | 11 | |
| 9 | Excavations for pipe trenches, &c., at Law College and Koyapuram Pumping Stations ... | Maistri Kuppadu | 459 | 6 | 8 | 17 | 1 | 11 | 15 | 7 | 11 | |
| 10 | Excavation for Venturi Meters ... | Mr. C. White | 471 | 10 | 9 | 13 | 3 | 11 | 26 | 6 | 11 | |
| 11 | Excavation for laying Stoneware Pipes at Law College Pumping Station ... | Do. | 578 | 5 | 3 | ... | ... | ... | 6 | 12 | 11 | |
| | Total ... | | 8,482 | 4 | 3 | | | | | | | |

SPECIAL WORKS DEPARTMENT.

Statement showing the works executed and the cost charged to Revenue Account during 1914-15.

| No. | Description of Works. | Amount of Estimate. | Expenditure during the year. | Expenditure up to 31st March 1915. |
|-----|---|---------------------|------------------------------|------------------------------------|
| | | Rs. | Rs. | Rs. |
| 1 | Acquisition of land behind Ice House Road Pumping Station and constructing a Pail Depot. | 12,615 | 1,745 | 12,081 |
| 2 | Constructing new sea out-fall and covering the drain for stopping Kelly's drain nuisance ... | 15,450 | ... | 11,771 |
| 3 | Filling in breaches and erecting a rough stone rivetment on the northern side of the sewage outfall channel at the northern end of Georgetown Grass Farm | 3,750 | ... | ... |
| 4 | Constructing storm water separator and side drain connections into the existing sewer at Vasamode Paracherry ... | 810 | 483 | 810 |
| 5 | Constructing a masonry side drain and connecting 6" storm water drain to the existing main in Scavanger's Lane, Nagappier Street, Tiruwatteeswaranpettah ... | 750 | 347 | 608 |
| 6 | Re-constructing house connections in Shaik Dawood Sahib Street, Triplicane ... | 720 | 395 | 539 |
| 7 | Drainage of Slaughter House with arrangements for preliminary treatment and pumping of the sewage to the head of the nearest sewer leading to DeMellow's Road Pumping Station ... | 14,400 | 3,182 | 11,887 |
| | Total ... | 48,495 | 6,152 | 37,696 |

TABLE No. 9.

SPECIAL WORKS DEPARTMENT.

Statement showing the Private work executed during 1914-15.

| No. | Description of Works. | Amount of Estimate. | Expenditure up to 31st March 1915. | Remarks. |
|-----|--|---------------------|------------------------------------|----------|
| | | Rs. | Rs. | |
| 1 | Construction of Harbour overflow Sewer in North Beach Road ... | 85,630 | *94,557 | |
| | Total ... | 85,630 | 94,557 | |

* The excess amount was met from the Corporation Funds and will be recovered from the Port Trust.

SPECIAL WORKS DEPARTMENT.

Statement showing the value of Pumping Station buildings and plant, as given in the Administration Report for 1913-14, compared with the estimated value on the 31st March 1915.

| | | Value in Books on 31st March '14. | Estimated value on 31st March '15. |
|--|-----------------------------------|---|--|
| | | Rs. | Rs. |
| Royapuram | { Buildings | 11,066 | 10,734 |
| | { Machinery | 1,22,172 | 1,08,248 |
| DeMellow's Road | { Buildings | 3,889 | 3,695 |
| | { Machinery | 16,235 | 14,960 |
| Langs Garden | { Buildings | 7,258 | 7,040 |
| | { Machinery | 12,783 | 11,919 |
| Napier Park | { Buildings | 11,425 | 11,082 |
| | { Machinery | 21,118 | 19,426 |
| Ice House Road | { Buildings | 8,990 | 8,720 |
| | { Machinery | 14,493 | 13,552 |
| Mylapore | { Buildings | 3,866 | 3,673 |
| | { Machinery | 11,296 | 10,562 |
| Law College | { Buildings | 16,944 | 16,436 |
| | { Machinery | 86,408 | 76,535 |
| Tondiarpet | { A Buildings | 12,990 | 12,600 |
| | { A Machinery | 23,590 | 21,221 |
| | { B Buildings | 14,890 | 14,443 |
| | { B Machinery | 37,650 | 33,798 |
| Night-soil Depot | { Buildings | ... | 5,138 |
| | { Machinery | ... | 2,556 |
| Kilpauk | { Buildings | ... | 1,25,520 |
| | { Machinery | ... | 3,90,560 |
| | { Elevated Tank | ... | 1,74,250 |
| | { „ Masonry and Foundation | ... | 88,100 |
| Amount to be written off with the sanction of the Standing Committee for loss, wear and tear and depreciation | | | 41,176 |
| Total | | 4,73,293 | 12,59,417 |
| Deduct value of new machinery, buildings, elevated tank, etc., added during the year | | | 7,86,124 |
| | | | 4,73,293 |

SPECIAL WORKS DEPARTMENT.

Value of tools, plant and materials on 31st March 1914 (as given in the Administration Report for 1913-14) compared with the estimated value on 31st March 1915.

| | 31st March 1914. | 31st March 1915. |
|--|---------------------|---------------------|
| | Rs. | Rs. |
| Tools and plant | 60,264 | 66,545 |
| Materials | 5,25,100 | 3,99,229 |
| Amount to be written off with the sanction of the Standing Committee for loss, wear and tear and depreciation ... | ... | 12,719 |
| Total ... | 5,85,364 | 4,78,493 |
| Add value of Stoneware Pipes, etc., used during the year | | 1,06,871 |
| | | 5,85,364 |

Special Works Department.

Maintenance Section.

Maintenance of Sewage Pumping Stations.

COST OF PUMPING AT SEWAGE PUMPING STATIONS.

31st March 1915.

| Name of Pumping Stations. | Royapuram. | Law College. | Langs Garden | Napier Park. | Ice House Road. | Mylapore. | Demellows Road. | "A" Pumping Station. | "B" Pumping Station. | "C" Pumping Station. |
|---|---|--------------|---|--------------|--|---------------------------------|-----------------|----------------------|----------------------|----------------------|
| TYPE OF MACHINERY. | Worthington triple expansion direct acting Steam Pumps. | | Worthington compound direct acting Steam Pumps. | | Simple Steam Engine & Centrifugal Pumps. | Oil Engine & Centrifugal Pumps. | | | | |
| WORK DONE. | | | | | | | | | | |
| Gallons of Sewage pumped per minute, average per year ... | 1285-02 | 549-38 | 196-61 | 516-64 | 352-22 | 151-28 | 629-90 | 398-85 | 1074-15 | 360-75 |
| Average Head in feet ... | 28-38 | 37-20 | 50-90 | 45-98 | 52-14 | 56-33 | 42-14 | 21-69 | 20-58 | 21-04 |
| Pump Horse power (P. H. P.) ... | 11-15 | 6-22 | 3-42 | 7-19 | 5-56 | 2-62 | 8-12 | 2-60 | 6-73 | 2-30 |
| Indicated Horse power (I. H. P.) ... | 59-4 | 17-17 | 17-18 | 28-36 | 42-25 | 32-52 | 44-02 | 12-09 | 33-91 | 20-77 |
| P. H. P. at time of taking ... | 31-58 | 8-57 | 7-98 | 14-34 | 10-76 | 7-24 | 16-00 | 5-10 | 16-60 | 3-72 |
| $\frac{P. H. P.}{I. H. P.}$ Total efficiency ... | 0-53 | 0-52 | 0-47 | 0-50 | 0-26 | 0-24 | 0-33 | 0-43 | 0-49 | 0-49 |

COST PER PUMP HORSE POWER.

| | Annas. | Annas. | Annas. | Annas. | Annas. | Annas. | Annas. | Annas. | Annas. | Annas. |
|---|----------|----------|----------|----------|----------|----------|----------|----------------------|----------------------|----------------------|
| Coal at Rs. 16-9 in April & Rs. 15 per ton. ... | 2-31 | 2-12 | 7-69 | 3-68 | 5-74 | ... | ... | ... | ... | ... |
| Liquid fuel at as. 2-75, crude oil at as. 5-5 & Kerosene oil at as. 7-5 per gall. ... | ... | ... | ... | ... | ... | 3-82 | 2-28 | 0-55 | 0-67 | 0-84 |
| Stores, oil, waste, etc. ... | 0-16 | 0-15 | 0-24 | 0-13 | 0-15 | 0-73 | 0-18 | 1-65 | 0-93 | 2-08 |
| Wages & Overtime of Driving Staff ... | 0-84 | 1-45 | 2-86 | 1-20 | 1-32 | 1-92 | 0-82 | 9-61 | 3-13 | 11-74 |
| Wages & Overtime of Repairing Staff, Cost of materials, License fee, Electric Lights, Telephone fee, Sewer Cleaning & Stationeries, &c. ... | 1-06 | 1-01 | 1-76 | 0-92 | 1-31 | 2-60 | 1-39 | 1-23 | 0-77 | 1-42 |
| Supervision & office staff including office stationeries ... | 0-22 | 0-39 | 0-83 | 0-35 | 0-46 | 1-16 | 0-34 | 2-79 | 0-82 | 3-47 |
| Total cost per Pump Horse Power. | 4-59 | 5-12 | 13-38 | 6-28 | 8-98 | 10-23 | 5-01 | 15-83 | 6-32 | 19-55 |
| Total cost per Pump Horse Power for the previous year (From April 1913 to March 1914) ... | 4-44 | 6-63 | 15-49 | 6-58 | 9-39 | 8-39 | 4-01 | ... | ... | ... |
| Total cost per year in Rs. ... | 24353-93 | 15465-06 | 19138-90 | 21700-86 | 23333-32 | 10966-15 | 17291-86 | 3251-92 for 8 months | 3122-80 for 6 months | 3059-98 for 8 months |
| Total cost for previous year in Rs. (From April 13 to March 14) ... | 25970-72 | 16975-56 | 21486-47 | 23682-60 | 26969-17 | 7560-35 | 13523-55 | | | |

Total cost for the year for all the Pumping Stations, Rs. 1,41,684-78.

Total cost for previous year for all the Pumping Stations, Rs. 1,36,170-42.

The cost per P. H. P. is high in the case of A, B and C Stations, especially as regards wages and supervision, because of the small quantity of sewage pumped.

TABLE No. 11-A.
SPECIAL WORKS DEPARTMENT.
Cost of Design and Supervision.
Waterworks Section.

| Year. | Design. | | Construction. | | Value of work designed. | Percentage of Designing Establishment on value of work designed. | Value of work executed. | Percentage of supervision on value of work executed. | |
|-------------------|------------|---------------|---------------|--------------|-------------------------|--|-------------------------|--|--------|
| | Engineers. | Subordinates. | Engineers. | Subordinate. | | | | | Total. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | | Rs. | Rs. | |
| 1908-09 | 21,131 | 5,876 | 1,800 | 700 | 2,500 | } 62,79,500 | 64,602 | 3-87 | |
| 1909-10 | 17,640 | 9,664 | 4,600 | 2,300 | 6,900 | | 1,72,574 | 3-99 | |
| 1910-11 | 12,108 | 9,406 | 12,108 | 9,407 | 21,515 | | 3,04,188 | 7-07 | |
| 1911-12 | 12,624 | 10,441 | 12,625 | 10,441 | 23,066 | | 4,85,207 | 5-30 | |
| 1912-13 | 11,983 | 9,853 | 11,984 | 9,853 | 21,837 | | 6,19,918 | 3-52 | |
| 1913-14 | 9,955 | 15,121 | 9,955 | 15,122 | 25,077 | | 16,78,214 | 1-49 | |
| 1914-15 | 9,900 | 18,929 | 9,900 | 18,930 | 28,830 | | 5,78,821 | 4-98 | |
| Total... | 95,341 | 79,290 | 62,372 | 66,753 | 1,29,725 | | 68,09,500 | 38,53,524 | 3-37 |
| DRAINAGE SECTION. | | | | | | | | | |
| 1908-09 | 17,801 | 7,418 | 1,600 | 800 | 2,400 | | 9,82,910 | 39,621 | 6-06 |
| 1909-10 | 19,500 | 10,278 | 2,400 | 1,200 | 3,600 | | 18,18,945 | 60,666 | 5-93 |
| 1910-11 | 12,777 | 8,859 | 12,777 | 5,859 | 21,636 | | 38,610 | 3,81,714 | 5-67 |
| 1911-12 | 18,015 | 13,057 | 18,015 | 13,057 | 31,072 | | 84,475 | 4,88,021 | 6-37 |
| 1912-13 | 15,437 | 15,716 | 15,437 | 15,716 | 31,153 | | 121,03,440 | 4,07,632 | 7-64 |
| 1913-14 | 17,399 | 16,217 | 17,400 | 16,217 | 33,617 | | | 2,52,903 | 13-29 |
| 1914-15 | 14,820 | 21,464 | 14,820 | 21,463 | 36,283 | 12,12,500 | 2,31,055 | 15-71 | |
| Total | 1,15,749 | 93,009 | 82,449 | 77,312 | 1,59,761 | 1,62,40,880 | 18,61,615 | 8-63 | |

TABLE No. 12.

Table showing sizes and lengths of water pipes laid, during the year 1914-15.

| Divisions. | Number of Foun- tains erected. | 4" | 2" | 1 $\frac{3}{4}$ " | 1 $\frac{1}{4}$ " | 1" | $\frac{3}{4}$ " | $\frac{1}{2}$ " | REMARKS. |
|------------|-----------------------------------|-----|-----|-------------------|-------------------|-----|-----------------|-----------------|--|
| | | ft. | ft. | ft. | ft. | ft. | ft. | ft. | |
| 1 to 3 | 4 | ... | ... | ... | ... | ... | 56 | ... | |
| 4 & 5 | ... | ... | ... | ... | ... | ... | ... | ... | |
| 6 & 7 | 7 | ... | ... | ... | 171 | ... | ... | ... | |
| 8 & 9 | 1 | ... | ... | ... | ... | ... | 20 | ... | |
| 10 & 11 | 1 | 650 | 450 | ... | ... | ... | ... | ... | |
| 12 & 13 | 2 | ... | ... | .. | ... | ... | 60 | ... | |
| 14 & 15-B | ... | ... | ... | ... | ... | ... | ... | ... | |
| 16 & 17 | 13 | ... | ... | ... | ... | ... | ... | .. | |
| 18 & 15-A | 2 | ... | ... | ... | ... | ... | 45 | ... | |
| 19 & 20 | 10 | ... | ... | 350 | 200 | 960 | ... | 150 | |
| | 40 | 650 | 450 | 350 | 371 | 960 | 181 | 150 | 3,112 feet or 1,037 $\frac{1}{2}$ yds. |

TABLE No. 13.

Reforming roads during 1914-15.

| Thickness. | BLUE GRANITE. | | | | VELACHERI GRANITE. | | | | LATERITE. | | | | REMARKS. |
|------------|---------------|--------|------|------|--------------------|--------|------|------|-----------|--------|------|------|------------------------|
| | Squares. | Miles. | Fur. | Yds. | Squares. | Miles. | Fur. | Yds. | Squares. | Miles. | Fur. | Yds. | |
| 6" ... | 51½ | 0 | 1 | 26½ | 358½ | 0 | 3 | 160 | 1,809½ | 2 | 5 | 2½ | |
| 4" ... | 5,803½ | 3 | 5 | 216½ | 7,180½ | 7 | 2 | 143 | 1,342 | 2 | 5 | 210½ | |
| 3" ... | 15,193½ | 8 | 4 | 194½ | 1,031½ | 1 | 2 | 26½ | 83 | 0 | 1 | 61½ | |
| Total ... | 21,048½ | 12 | 3 | 218 | 8,570½ | 9 | 0 | 109½ | 3,234½ | 5 | 4 | 54½ | M. F. Yds. 27 0 162 |

TABLE No. 14.

Repairing roads thoroughly 4" thick during 1914-15.

| Thickness. | GRAVEL. | | | | REMARKS. | | | |
|------------|----------|--------|------|------|----------|---|------|--|
| | Squares. | Miles. | Fur. | Yds. | | | | |
| 4" ... | ... | ... | ... | 124 | 0 | 1 | 188½ | |

TABLE No. 14 (a).

Tarring roads during 1914-15.

| No. of Barrels. | TARRING. | | | | REMARKS. |
|-----------------|----------|--------|------|------|----------|
| | Squares. | Miles. | Fur. | Yds. | |
| 650 | 11,451 | 2 | 6 | 53½ | |

TABLE 15.—List of roads and streets reformed with blue granite during 1914-15.

| No. | Division. | Names of roads. | From. | To. | Length. Feet. |
|-----|-----------|------------------------------------|-------------------------|---|------------------|
| 1 | 4th | Parry's Corner widening | Harbour Gate | 300 feet east wards | 300 |
| 2 | 7th | Govindappa Naick Street | Thathamuthiappen Street | Amnen Kovil Street | 1,325 |
| 3 | 8th | Basin Street | Audiappa Naick Street | Anna Pillai Street | 590 |
| 4 | 8th | Mint Street | Anna, Pillai Street | Audiappa Naick Street | 587 |
| 5 | 8th | Govindappa Naick Street | Audiappa Naick Street | Thathamuthiappen Street | 860 |
| 6 | 8th | Audiappa Naick Street | Varadamuthiappen Street | Govindappa Naick Street | 800 |
| 7 | 8th | Govindappa Naick Street Pipe Track | Audiappa Naick Street | To a distance of 740 | 740 |
| 8 | 9th | General Hospital Road, East | Evening Bazaar Road | Benfield Road | 1,390 |
| 9 | 9th | Frazer Bridge Road | Benfield Road | Irosappa Maistry Street | 1,240 |
| 10 | 10th | Madavaram Road | Perambore High Road | Tollgate | 3,090 |
| 11 | 10th | Strahan's Road | Angalammen Covil Street | Brick Kiln Road | 3,700 |
| 12 | 11th | Venkatamah Samaj | Brick Kiln Road | Padavattammen Kovil Street | 1,086 |
| 13 | 12th | Rundall's Road | Poonamallee High Road | Jermiah Road | 2,000 |
| 14 | 13th | Do. | Jermiah Road | Hunter's Road | 1,200 |
| 15 | 12th | Sydenham's Road | Poonamallee High Road | Vepery High Road | 1,200 |
| 16 | 12th | Purasawakam High Road | Brick Kiln Road | Hunter's Road | 3,000 |
| 17 | 13th | Male Asylum Road | Whannef's Road | Police Commissioner's Office Road | 2,150 |
| 18 | 13th | West River side Road. | St. Andrew's Bridge | The eastern end of Plague Hospital Compound | 1,225 |
| 19 | 13th | Police Commissioner's Office Road | Poonamallee High Road | Level Crossing | 780 |
| 20 | 13th | Do. | Level crossing | Egmore High Road | 910 |
| 21 | 13th | Do | Egmore High Road | Pantbeon Road | 1,300 |

TABLE 15.—List of roads and streets reformed with blue granite during 1914-15—(Continued.)

| No. | Division. | Names of roads. | From. | To. | Length, Feet. |
|-----|-----------|-------------------------|-----------------------------------|-----------------------------------|------------------|
| 22 | 13th | Ritherdon Road | Poonamallee High Road | Police Commissioner's Office Road | 790 |
| 23 | 13th | Pantheon Road | College Bridge | Monteith Road | 1,000 |
| 24 | 13th | Do. | Monteith Road | Police Commissioner's Office Road | 2,000 |
| 25 | 13th | Velayutha Chetty Street | Harris Road | Subbaraya Mudali Street | 650 |
| 26 | 13th | Driver's Street | Subbaraya Mudali Street | Marshall's Road | 650 |
| 27 | 13th | Subbaraya Mudali Street | Driver's Street | Velayuda Chetty Street | 450 |
| 28 | 13th | Egmore High Road | Police Commissioner's Office Road | Gengoo Reddy Road | 1,720 |
| 29 | 13th | Casa Major Road | Pantheon Road | Do. | 2,000 |
| 30 | 14th | Madavakam Tank Road | Purasawakam High Road | Tollgate | 1,100 |
| 31 | 14th | Purasawakam High Road | Miller Road | Madavakam Tank Road | 1,911 |
| 32 | 14th | Madavakam Tank Road | Tollgate | Limit | 2,200 |
| 33 | 14th | Brick Kiln Road | Purasawakam High Road | Rubbish Depot | 2,000 |
| 34 | 17th | Bell's Road | Wallajah Road | Pycrofts Road | 2,322 |
| 35 | 17th | Wallaja Road | Triplicane High Road | Bells Road | 1,900 |
| 36 | 17th | Do. | Do. | Mount Road | 1,166 |
| 37 | 17th | Pycrofts Road | South Beach Road | Bells Road | 1,668 |
| 38 | 17th | General Patlers Road | Woods Road | Mount Road | 1,918 |
| 39 | 18th | West Cott Road | Peters Road | Pycrofts Road | 1,650 |
| 40 | 19th | Rosary Church Road | Cutchery Road | San Thome High Road | 1,254 |
| 41 | 19th | Cutchery Road | Brodies Road | Rosary Church Road | 2,245 |
| 42 | 19th | Rayapettah Bazar Road | Royapettah High Road | Peters Road | 650 |

TABLE 15.--List of roads and streets reformed with blue granite during 1914-15--(Continued.)

| No. | Division. | Names of roads. | From. | To. | Length. Feet. |
|-----|-----------|----------------------|---------------------------------|---------------------------------|------------------|
| 43 | 19th | Royapettah High Road | ... Royapettah Bazaar Road | ... Lloyd Road | 2,042 |
| 44 | 19th | Do. | ... Lloyd Road | ... Venkatachella Mudali Street | 1,970 |
| 45 | 19th | Do. | ... Venkatachella Mudali Street | ... Brodies Road | 5,078 |

TABLE 15.--List of roads and streets reformed with Velacheri granite during 1914-15.

| No. | Division | Names of roads, | From | To | Length, Feet. |
|-----|----------|--------------------------------------|----------------------------------|--|------------------|
| 1 | 4th | Merkayor Lubhai Street | Krishnan Kovil Street | Sultan Street | 425 |
| 2 | 5th | Kondi Chetty Street | China Bazaar Road | Philips Street | 480 |
| 3 | 5th | Muthu Mari Chetty Street | Mannady Street | Odacal Street | 890 |
| 4 | 5th | Iyappa Chetty Street | Do | Do | 895 |
| 5 | 6th | Anderson Street | Anna Pillai Street | China Bazaar Road | 1,125 |
| 6 | 6th | Guruvaippan Street | China Bazaar Road | To a length of 280' towards north from China [Bazaar Road | 280 |
| 7 | 9th | Peddu Naicken Street | Mint Street | Nyniappa Naick Street | 311 |
| 8 | 12th | Mattukara Veerabadrán Street | Perianna Maistry Street | Naval Hospital Road | 570 |
| 9 | 12th | Swamy Mudaly Street | Vepery High Road | Mc' Farlain lane | 400 |
| 10 | 12th | Narayana Chetty Street | Poonamallee High Road | Erusappa Mudaly Street | 400 |
| 11 | 12th | Veerasami Pillai Street | Do | Do | 420 |
| 12 | 12th | Kattoor Sadayappan Street | Mc' Farlain Lane | Do | 600 |
| 13 | 12th | Perianna Maistry Street | Vepery High Road | Mattukara Veerabadrán Street | 1,020 |
| 14 | 12th | Naval Hospital Road | Do | Stringer's Road | 1,060 |
| 15 | 12th | Woothukattan Street | Do | Mattukara Veerabadrán Street | 840 |
| 16 | 12th | Street by the side of Jubilee Market | | | 250 |
| 17 | 12th | Lala Kutty Street | Varasiddi Vinayagar Kovil Street | Veeraswami Pillai Street | 520 |
| 18 | 14th | Chinnakilpauk Road | Madavakam Tank Road | Limit | 2,200 |
| 19 | 15th | Abbu Naicken Street | Village Road | End | 260 |
| 20 | 16th | Venkalesa Gramani Street | Arunachala Naicken Road | Cooum Road | 1,160 |
| 21 | 16th | Singana Chetty Street | Do | Do | 1,075 |

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914-15—(Continued).

| No. | Division. | Names of roads. | From | To | Length. Feet. |
|-----|-----------|-------------------------------|--------------------------|-------------------------|------------------|
| 22 | 16th | Singanna Chetty Street | Guruvappa Chetty Street | Arunachala Naick Road | 718 |
| 23 | 16th | Lafond Street | Arunachela Naick Road | New Road | 436 |
| 24 | 16th | Sankuvar Agraharam Street | Singanna Chetty Street | Swami Naick Road | 500 |
| 25 | 16th | Attipattan Street | Do | Mount Road | 884 |
| 26 | 16th | Swami Pandaram Street | Swami Naick Road | Cooum Road | 1,276 |
| 27 | 16th | Palli Street | Iyah Mudaly Street | Do | 358 |
| 28 | 16th | Bungalow Street | Swami Naick Road | Singanna Chetty Street | 325 |
| 29 | 16th | New Bungalow Street | Bungalow Street | Guruvappa Chetty Street | 344 |
| 30 | 16th | Valluvan Street | Iyah Mudaly Street | Singanna Chetty Street | 434 |
| 31 | 16th | Iyah Mudaly Street | Swami Pandaram Street | Swami Naick Street | 1,036 |
| 32 | 18th | Ramaswami Maistry Street | Triplicane High Road | Sarappa Mudaly Street | 300 |
| 33 | 18th | Agathimulhan Street | Shaik Davood Street | Do | 300 |
| 34 | 18th | Alyaswami Chetty Street | Triplicane High Road | Arunnaga Achari Street | 230 |
| 35 | 18th | Pallappen Street | Do | Shaik Davood Street | 600 |
| 36 | 18th | Subboroya Chetty Street | Ramaswami Maistry Street | Alyaswami Chetty Street | 240 |
| 37 | 18th | Mallan Ponnappa Mudaly Street | Do | Temple | 840 |
| 38 | 18th | Thambu Naick Street | Devaraja Mudaly Street | End | 335 |
| 39 | 18th | Gafoor Sahib Street | Ice House Road | Gafoor Sahib Lane | 500 |
| 40 | 18th | Asalambi Street | Do | End | 525 |
| 41 | 18th | Muzaffer Jung Bahadur Street | Triplicane High Road | Shaik Davood Street | 600 |
| 42 | 18th | Erusappen Street | Jani John Khan Road | Jani John Khan Road | 650 |

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914-15—(Contn. *sed*).

| No. | Division. | Names of roads. | From | To | Length, Feet. |
|-----|-----------|--|---|-------------------------------------|------------------|
| 43 | 18th | Raja Hanumantha Lala Street | Pycrofts Road | End | 400 |
| 44 | 19th | Pudupet Garden Street | Mowbray's Road | Temple | 812 |
| 45 | 19th | Mastura Begampetta Street | Venkatachalia Mudaly Street | Its Western End | 589 |
| 46 | 19th | Do Lane | Do | Do | 547 |
| 47 | 19th | Irusappa Gramani Street | Ice House Road | Barbers Bridge Road | 1,071 |
| 48 | 19th | Branch Road of Luz Church Road | Luz Church Road fountain | Kannadi Street | 400 |
| 49 | 19th | Nattu Subbaraya Mudaly Street | Mylapore Bazaar Road | Mundacanni Amman Kovil Street | 1,122 |
| 50 | 19th | A lane | Opposite to Messrs. D. Rajoo & Co. in San Thome | High Road | 388 |
| 51 | 19th | A Road | from Barbers Bridge Road to Checklers Hutting | Ground | 430 |
| 52 | 19th | Karneswarar Pagoda Street | Mylapore Bazaar Road | Karneswarar Pagoda Road | 1,175 |
| 53 | 19th | Nattu Muthu Naicken Street | Pilliar Kovil Street | Eidhams Road | 617 |
| 54 | 19th | Kennadi Street | Luz Church Road | Oliver's Road | 560 |
| 55 | 19th | Anicba Pillai Street | Royapetta Bazaar Road | Muthu Mudaly Street | 340 |
| 56 | 19th | Nattu Subbaraya Mudaly Street, Teynampet | Varasiddi Vinayagar Coil Street | Lamp Post No. 19/461 | 910 |
| 57 | 19th | Muthu Mudaly Street | Royapetta Bazaar Road | Ammen Coil Street | 735 |
| 58 | 20th | Kanagaraya Malayappa Naicken Street | Arulappa Naicken Street | St. Lazarus Church Road | 658 |
| 59 | 20th | Arulappa Naicken Street | Mada Church Road | Kanagaraya Malayappa Naicken Street | 391 |
| 60 | 20th | Periya Palli Street | St. Lazarus Church Road | Arulappa Naicken Street | 686 |
| 61 | 20th | Adanja Mudaly Street | Manthavali Street | Sadayappa Mudaly Street | 618 |
| 62 | 20th | Malayappa Naicken Street | Periya Palli Street | Kanagaraya Malayappa Naicken Street | 244 |
| 63 | 20th | Sadayappa Mudaly Street | Brodies Road | End | 394 |

TABLE 15.—List of roads and streets reformed with Velacheri granite during 1914-15—(Continued)

| No. | Division. | Names of roads. | From | To | Length. Feet. |
|-----|-----------|--|--------------------------------|------------------------------|------------------|
| 64 | 20th | Ellapatha Mada Kovil Road | ... | ... | 3,936 |
| 65 | 20th | Do | Mowbray's Road Wharf Bridge | Wharf Bridge Brodiel Road | 1,848 |
| 66 | 20th | Then goor Selva Vinayagar Kovil Street | South Mada Street | Manthavali Street | 941 |
| 67 | 20th | Nadu Street | Kabaleeswarar East Mada Street | Appu Mudaly Street | 932 |
| 68 | 20th | Mari Chetty Street | Manthavali Street | Arunagiri Mudaly Street | 385 |
| 69 | 20th | Singari Naicken Street | Do | Muthu Raman Street | 312 |

TABLE 15.—List of roads and streets reformed with laterite during 1914-15.

| No. | Division. | Names of roads. | From | To | Length. Feet. |
|-----|-----------|----------------------------|---------------------------|---|------------------|
| 1 | 1st | Venkatachalla Naick Street | Kalmandapam Road | Andiappa Gramany Street | 1,300 |
| 2 | 2nd | First two Cross Streets | Rope Godown Paracherry | | 1,468 |
| 3 | 2nd | Audiappa Mudaly Street | Monighar Choultry Road | Thoppai Mudaly Street & Rama Naicken Street | 1,800 |
| 4 | 2nd | Rama Naick Street | Cemetery Road | North End | 1,330 |
| 5 | 2nd | Kamanjier Street | Monighar Choultry Road | Thiruvattore High Road | 3,980 |
| 6 | 3rd | Nainiappa Naick Street | Tholasinga Gramany Street | Mariappa Mudaly Street | 815 |
| 7 | 3rd | Tholasinga Gramany Street | Nainiappa Naick Street | Gollammen Kovil Street | 150 |
| 8 | 4th | Adam Street | Sultan Street | Krishnan Kovil Street | 450 |
| 9 | 6th | Aucharappen Lane | Aucharappen Street | Dead End | 173 |
| 10 | 7th | Saravana Mudaly Street | Mint Street | Bashacharlu Naidu Street | 505 |
| 11 | 7th | Bashacharlu Naidu Street | Peddu Naicken Street | North Wall Road | 858 |
| 12 | 7th | Ammen Kovil Street | Mint Street | Wall Tax Road | 1,736 |
| 13 | 8th | Vinayaga Maistry Street | Anna Pillai Street | Tirupalli Street | 600 |
| 14 | 8th | Ramanuja Iyer Street | Elephant Gate Street | Audiappa Naick Street | 245 |
| 15 | 8th | Chinnathamby Mudaly Street | Audiappa Naick Street | Anna Pillai Street | 510 |
| 16 | 10th | Brighton Road | Gantz Road | Distillery | 897 |
| 17 | 11th | Mukatal Street | Pursawakam High Road | Vadamakal Pillai Street | 1,412 |
| 18 | 12th | Maddox Street | Vepery High Road | General Collins Road | 800 |
| 19 | 12th | Do | General Collins Road | Choolai Bazaar Road | 930 |
| 20 | 12th | Atkinson Road | Vepery High Road | Lamp Post No. 5 C/13 D | 1,360 |
| 21 | 18th | Lubbay Street | Narayana Naick Street | Iyaswami Pillai Street | 870 |

TABLE 15.—List of roads and streets reformed with laterite during 1914-15.—(Continued)

| No. | Division. | Names of roads. | From | To | Length, Feet. |
|-----|-----------|-------------------------------|---------------------|-------------------------------------|------------------|
| 22 | 13th | Venkatachala Mudaly Street | Harris Road | Conjeeveram Fachaappa Mudaly Street | 500 |
| 23 | 13th | Swami Reddy Street | Halls Road | Perumal Reddy Street | 1,200 |
| 24 | 13th | Seyala Mudaly Street | Marshall's Road | Velayutha Chetty Street | 1,000 |
| 25 | 14th | D. Filter Bed Road | Chinna Kilpauk Road | 100 feet towards South | 1,000 |
| 26 | 14th | Newcross Road B in Filter Bed | Main Road | Road D | 675 |
| 27 | 14th | Do E in Filter Bed | Chinna Kilpauk Road | Do A | 425 |
| 28 | 14th | Main Road in Filter Bed | Road B. | Do G | 325 |
| 29 | 14th | Newcross Road A in Filter Bed | Main Road | Do D | 675 |
| 30 | 14th | Do F Do | Road B. | Do G | 400 |
| 31 | 15th | Do G Do | Main Road | Pumping Station | 825 |

TABLE 15.—List of roads and streets reformed with gravel during 1914-15.

| No. | Division. | Names of roads. | From | To | Length. Feet. |
|-----|-----------|---|---------------------|--|------------------|
| 1 | 13th | Streets at Anglo-Indian Model Dwellings | Kilpauk garden Road | ... | 400 |
| 2 | 14th | A Road | ... | ... Red Hills Supply Channel through No. 4 Collage ... | 825 |

TABLE 15(a).—List of roads and streets tarred during 1914-15—(Continued)

| No. | Division. | Names of roads. | From | To | Length. Feet. |
|-----|-----------|-----------------------|------------------------------|---------------------------------------|------------------|
| 1 | 13th | Pantheon Road | ... College Bridge | ... Police Commissioner's Office Road | 3,000 |
| 2 | 15th A. | Re-tarring Mount Road | ... Messrs. W. E. Smith & Co | ... Spencer's | 2,500 |
| 3 | 17th | South Beach Road | ... Pycrofts Road | ... Napier's Bridge | 3,880 |
| 4 | 17th | Mount Road | ... Blackers Road | ... General Patters Road | 1,650 |
| 5 | 17th | General Patters Road | ... Mount Road | ... Woods Road | 2,000 |
| 6 | 18th | West Cott Road | ... Pycrofts Road | ... Peters Road | 1,650 |
| | | | | | 14,680 |

APPENDIX II.

TABLE No. 16.

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

| Month and Year. | | Rainfall in Inches. | Tank water surface average. | Remarks. |
|-----------------|----------|---------------------|-----------------------------|---|
| April | 1914 ... | 1.87 | 43.00 | These figures are according to the Government P. W. D. datum, which differs from the Municipal datum. |
| May | " ... | 0.27 | 41.90 | |
| June | " ... | 0.66 | 40.30 | |
| July | " ... | 2.34 | 39.30 | |
| August | " ... | 7.51 | 40.30 | |
| September | " ... | 9.29 | 42.40 | |
| October | " ... | 23.06 | 44.67 | |
| November | " ... | 8.51 | 44.50 | |
| December | " ... | 3.29 | 44.40 | |
| January | 1915 ... | 5.96 | 45.30 | |
| February | " ... | 0.53 | 45.70 | |
| March | " ... | " | 45.00 | |

TABLE No. 17.

Statement showing the amount of water used for non-domestic purposes and billed for during the year 1914-15 and the total collections of the year.

| Period. | QUANTITY OF WATER USED DURING THE YEAR. | Bills issued during the year. | Amount collected during the year. | | REMARKS. |
|--------------------------------|---|-------------------------------|-----------------------------------|------------|-----------------|
| | | | Gallons. | Rs. | |
| March | 1914 ... | 2,17,83,167 | Rs. 16,335 | A. P. 2 0 | |
| April | " ... | 1,58,51,167 | 11,888 | 6 0 | |
| May | " ... | 1,75,13,500 | 13,135 | 2 0 | |
| June | " ... | 1,80,40,333 | 13,530 | 4 0 | |
| July | " ... | 1,85,33,000 | 13,899 | 12 0 | |
| August | " ... | 1,62,30,667 | 12,173 | 0 0 | |
| September | " ... | 1,55,32,000 | 11,649 | 0 0 | |
| October | " ... | 1,41,86,000 | 10,639 | 8 0 | |
| November | " ... | 1,26,79,667 | 9,509 | 12 0 | |
| December | " ... | 1,33,32,167 | 9,999 | 2 0 | |
| January | 1915 ... | 88,47,167 | 6,635 | 6 0 | |
| February | " ... | 91,74,667 | 6,881 | 0 0 | |
| March | " ... | 40,19,667 | 3,014 | 12 0 | |
| Deduct remissions and refunds. | | 18,57,23,169 | 1,39,290 39 | 2 0 8 0 | 1,46,585 11 11 |
| Balance ... | | 18,57,23,169 | 1,39,250 | 10 0 | *1,46,585 11 11 |
| Total for 1913-14 ... | | 17,58,55,996 | 1,31,857 | 5 0 | 1,34,968 6 8 |

* Includes arrears of previous years collected during the year.

TABLE No. 18.

Table showing the prosecutions instituted during the year 1914-15,

Works and License Departments.

| Sections. | Charges. | No. of Summonses granted. | Convicted. | Acquitted. | Withdrawn. | Party not found. | Undisposed of. | Fines imposed. | | |
|----------------------------------|---|---------------------------------|------------|------------|--------------|---------------------|-------------------|----------------|----------|----------|
| | | | | | | | | Rs. | A. | P. |
| 195, 198, 207, 221 and 319 | Unlawful entry and prohibition against contamination of water-supply, &c. ... | 33 | 30 | ... | ... | 3 | ... | 31 | 4 | 0 |
| 247 & 248 | For encroachment or projection ... | 2,156 | 61 | 1 | 1,920 | 79 | 95 | 61 | 6 | 0 |
| 249 (b) | For putting up temporary pandals without sanction ... | 44 | 9 | 1 | 30 | .. | 4 | 4 | 6 | 0 |
| 252 & 253 | For making holes and causing obstruction in streets ... | 127 | 13 | 4 | 96 | 5 | 9 | 9 | 0 | 0 |
| 262 | For using inflammable materials for buildings ... | 775 | 28 | ... | 660 | 57 | 30 | 9 | 8 | 0 |
| 323 | Dangerous trades ... | 868 | 43 | 4 | 693 | 100 | 28 | 54 | 10 | 0 |
| 325 | Combustible Depôts ... | 469 | 19 | ... | 366 | 65 | 19 | 10 | 10 | 0 |
| 264 to 271, 278, 286 & 424 | Constructing or re-constructing buildings without sanction ... | 78 | 41 | ... | 28 | 3 | 6 | 98 | 4 | 0 |
| 469 | For unlawful removal of earth, sand or other material from land vested in the Corporation or the deposit of matter or encroachment in or on river, estuary, &c. | 27 | 12 | 14 | .. | 1 | ... | 13 | 0 | 0 |
| 324 | For erection of machinery, steamboiler, &c. ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... |
| | Total .. | 4,578 | 256 | 24 | 3,794 | 313 | 191 | 292 | 0 | 0 |

TABLE No. 18-A.

Statement showing the number of electric lights fixed in 1914-15—

| | | | | |
|---|-----|-----|----------|-----|
| Audiappa Naick Street ... | ... | ... | ... | 26 |
| Guruvappen Street ... | ... | ... | ... | 4 |
| Samudra Mudali Street | ... | ... | ... | 1 |
| 1st Line Beach ... | ... | ... | ... | 15 |
| 2nd Line Beach ... | ... | ... | ... | 16 |
| Linga Chetty Street ... | ... | ... | ... | 33 |
| Narayana Mudaly Street | ... | ... | ... | 9 |
| Port Trust (1st Line Beach Road) | ... | ... | ... | 6 |
| Mannaru Street ... | ... | ... | ... | 1 |
| Purasawalkhm High Road | ... | ... | ... | 9 |
| Gangadeswarar Coil Road | ... | ... | ... | 5 |
| Mookathal Street ... | ... | ... | ... | 4 |
| Prasannavinayagar Covil Street | ... | ... | ... | 2 |
| Munro Bridge ... | ... | ... | ... | 4 |
| Basin Bridge Road ... | ... | ... | ... | 4 |
| Graemes Road ... | ... | ... | ... | 9 |
| Anderson Road ... | ... | ... | ... | 3 |
| Atkinson Road ... | ... | ... | ... | 3 |
| Police Commissioner's Office Road | ... | ... | ... | 9 |
| Gengu Reddi Road ... | ... | ... | ... | 3 |
| Spur Tank Road ... | ... | ... | ... | 3 |
| Poonamallee High Road | ... | ... | ... | 3 |
| Victoria Crescent ... | ... | ... | ... | 6 |
| Avadanam Paupier Street | ... | ... | ... | 4 |
| Poonamallee High Road from Periamet level crossing to Tramway | | | | |
| Company ... | ... | ... | ... | 16 |
| Whannels Road ... | ... | ... | ... | 10 |
| Ponnammen Covil Street | ... | ... | ... | 2 |
| Elephant Gate Road junction of Sydenhams Road. | ... | ... | ... | 1 |
| Egmore Post Office ... | ... | ... | ... | 1 |
| Arunachala Naick Road | ... | ... | ... | 19 |
| Patulloos Road ... | ... | ... | ... | 4 |
| Whites Road ... | ... | ... | ... | 18 |
| Pycroft's Road ... | ... | ... | ... | 44 |
| Mowbray's Road ... | ... | ... | ... | 1 |
| Madah Street, Mylapore | ... | ... | ... | 6 |
| Brodies Road ... | ... | ... | ... | 3 |
| Edward Elliots Road ... | ... | ... | ... | 16 |
| Iyah Mudali Street ... | ... | ... | ... | 3 |
| Kalava Chetty Street ... | ... | ... | ... | 2 |
| Sami Naick Street ... | ... | ... | ... | 3 |
| Rayapettah High Road... | ... | ... | ... | 4 |
| | | | Total... | 335 |

TABLE No. 19.

Total of License fees recovered and the number of applications or cases dealt with during the year 1914-15.

| Total No. of applications or cases dealt with. | Number refused or undisposed. | Number sanctioned. | Purpose. | License fee. | | |
|--|-------------------------------|--------------------|--|--------------|----|----|
| | | | | Rs. | A. | P. |
| 22 | ... | 22 | Aerated water and Ice factories ... | 2,200 | 0 | 0 |
| 255 | 2 | 253 | Bake Houses ... | 1,890 | 0 | 0 |
| 4 | ... | 4 | Blasting powder ... | 400 | 0 | 0 |
| 3 | ... | 3 | Bones ... | 150 | 0 | 0 |
| 49 | 1 | 48 | Brickkilns ... | 425 | 0 | 0 |
| 1,885 | 321 | 1,564 | Construction or reconstruction of buildings and huts ... | 3,894 | 0 | 0 |
| 177 | ... | 177 | Breaking and hammering iron and manufacturing vessels out of iron. ... | 1,770 | 0 | 0 |
| 241 | ... | 241 | Beating metals or manufacturing vessels, utensils, etc., with sheet metals ... | 484 | 0 | 0 |
| 42 | ... | 42 | Candles ... | 210 | 0 | 0 |
| 3 | ... | 3 | Carpet factories ... | 20 | 0 | 0 |
| 25 | 3 | 22 | Cart-stands ... | 720 | 0 | 0 |
| 49 | ... | 49 | Casting metals ... | 425 | 0 | 0 |
| 1 | ... | 1 | Cat gut ... | 15 | 0 | 0 |
| 633 | 12 | 621 | Cattle yards ... | 4,089 | 8 | 0 |
| 80 | ... | 80 | Charcoal, coal or coke ... | 1,431 | 0 | 0 |
| 14 | ... | 14 | Chemicals ... | 350 | 0 | 0 |
| 65 | ... | 65 | Cloths manufacture in Indigo or other colours ... | 1,288 | 0 | 0 |
| 4 | ... | 4 | Cocoonut fibre ... | 20 | 0 | 0 |
| 12 | ... | 12 | Condiment factories ... | 120 | 0 | 0 |
| 11 | ... | 11 | Cotton ... | 255 | 0 | 0 |
| 83 | ... | 83 | Debentures registration ... | 83 | 0 | 0 |
| 2 | ... | 2 | Dynamite ... | 250 | 0 | 0 |
| 3 | ... | 3 | Erection of Steam producing or dangerous machinery ... | 300 | 0 | 0 |
| 3 | ... | 3 | Fat ... | 45 | 0 | 0 |
| 3,666 | 339 | 3,327 | Carried over ... | 20,834 | 8 | 0 |

| Total No. of applications or cases dealt with. | Number refused or undisposed. | Number sanctioned. | Purpose. | License fee. | | |
|--|-------------------------------|--------------------|--|--------------|----|----|
| | | | | Rs. | A. | P. |
| 3,666 | 339 | 3,327 | Brought forward ... | 20,834 | 8 | 0 |
| 954 | ... | 954 | Firewood ... | 3,097 | 0 | 0 |
| 114 | ... | 114 | Fireworks ... | 444 | 8 | 0 |
| 11 | ... | 11 | Fish ... | 33 | 0 | 0 |
| 39 | 2 | 37 | Flour ... | 190 | 0 | 0 |
| 3 | ... | 3 | Fulminate of mercury ... | 200 | 0 | 0 |
| 3 | ... | 3 | Gas ... | 150 | 0 | 0 |
| 52 | ... | 52 | Gilding and electroplating ... | 260 | 0 | 0 |
| 83 | ... | 83 | Grave diggers ... | 83 | 0 | 0 |
| 5 | ... | 5 | Gunpowder ... | 500 | 0 | 0 |
| 177 | ... | 177 | Hack stables ... | 689 | 0 | 0 |
| 9 | ... | 9 | Hair (souri) ... | 45 | 0 | 0 |
| 3 | ... | 3 | Horns ... | 150 | 0 | 0 |
| 22 | ... | 22 | Iron safe manufacturing ... | 550 | 0 | 0 |
| 26 | 3 | 23 | Lime ... | 580 | 0 | 0 |
| 44 | ... | 44 | Markets (private) ... | 3,700 | 0 | 0 |
| 345 | ... | 345 | Matches ... | 1,176 | 0 | 0 |
| 28 | 2 | 26 | Meat stalls, outside markets ... | 120 | 0 | 0 |
| 562 | ... | 562 | Obstruction, scaffolding, etc., under sections 252 and 253 ... | 2,641 | 8 | 0 |
| 42 | ... | 42 | Oil petroleum under Municipal Act ... | 467 | 8 | 0 |
| 77 | 11 | 66 | Do under Petroleum Act ... | 2,072 | 0 | 0 |
| 98 | 3 | 95 | Oil mills and presses ... | 1,325 | 0 | 0 |
| 73 | ... | 73 | Oils of sorts ... | 1,030 | 0 | 0 |
| 11 | ... | 11 | Oil boiling ... | 55 | 0 | 0 |
| 1 | ... | 1 | Offal ... | 50 | 0 | 0 |
| 446 | ... | 446 | Paddy boiling ... | 494 | 0 | 0 |
| 4,765 | 4 | 4,761 | Pandals ... | 9,370 | 12 | 0 |
| 1 | ... | 1 | Paper factories ... | 5 | 0 | 0 |
| 11,660 | 364 | 11,296 | Carried over ... | 50,312 | 12 | 0 |

| Total No. of applications or cases dealt with. | Number refused or undisposed. | Number sanctioned. | Purpose. | License fee. | | |
|--|-------------------------------|--------------------|---|--------------|----|----|
| | | | | Rs. | A. | P. |
| 11,660 | 364 | 11,296 | Brought forward ... | 50,312 | 12 | 0 |
| 2 | ... | 2 | Pitch ... | 50 | 0 | 0 |
| 34 | ... | 34 | Plumbers' licenses ... | 340 | 0 | 0 |
| 43 | ... | 43 | Pottery kilns ... | 215 | 0 | 0 |
| 113 | 1 | 112 | Skins, hides and leather ... | 4,040 | 0 | 0 |
| 28 | ... | 28 | Spirits and turpentine ... | 700 | 0 | 0 |
| 45 | ... | 45 | Straw, dry leaves, etc. ... | 300 | 0 | 0 |
| 3,433 | ... | 3,433 | Sunshades ... | 5,475 | 0 | 0 |
| 3 | ... | 3 | Sulphur ... | 75 | 0 | 0 |
| 1 | ... | 1 | Swine ... | 3 | 0 | 0 |
| 7 | ... | 7 | Tar ... | 175 | 0 | 0 |
| 147 | ... | 147 | Timber, bamboo, palmyra rafters, etc. ... | 5,160 | 0 | 0 |
| 4 | ... | 4 | Wool ... | 200 | 0 | 0 |
| 300 | 9 | 291 | Washing soiled clothes ... | Free. | | |
| 218 | ... | 218 | Butchers' licenses under sections 342 and 350 ... | Free. | | |
| 432 | ... | 432 | Arrear collections ... | 1,357 | 0 | 0 |
| 29 | 29 | ... | Advance collections ... | 1,424 | 4 | 0 |
| 16,499 | 403 | 16,096 | | 69,827 | 0 | 0 |
| | | | Less the amount refunded ... | 225 | 12 | 0 |
| | | | Total ... | 69,601 | 4 | 0 |
| | | | Total of fees collected under "Licenses Registration, etc.," including private markets and cart-stands. | | | |
| | | | During the year 1913-14 ... | 69,368 | 4 | 0 |
| | | | Do. 1912-13 ... | 67,699 | 2 | 0 |
| | | | Do. 1911-12 ... | 62,518 | 1 | 0 |

TABLE No. 20.

People's Park.—Statement of receipts and disbursements for the year 1914-15.

| Disbursements. | Amount. | | | Receipts. | Amount. | | |
|---|---------------|----------|----------|--|---------------|----------|----------|
| | RS. | A. | P. | | RS. | A. | P. |
| Establishment | 4,594 | 3 | 0 | Sale proceeds of hay and grass... | 1,214 | 15 | 8 |
| Allowance | ... | ... | ... | | | | |
| <i>Labour.</i> | | | | Payment by contractor for mena- gerie collections | 6,815 | 15 | 0 |
| Gardeners, &c. | 2,845 | 7 | 0 | | | | |
| Cost of food for animals | 44 | 4 | 11 | Miscellaneous | 836 | 10 | 10 |
| Feeding animals and birds | 10,025 | 5 | 10 | | | | |
| Purchasing animals and birds | 161 | 14 | 0 | | | | |
| <i>Other charges.</i> | | | | Government grant for the up- keep of the Zoological collec- tions | 2,000 | 0 | 0 |
| Clothing for sergeants and peons. | 135 | 9 | 8 | | | | |
| Weeding and cutting grass | 945 | 7 | 11 | | | | |
| Sundries &c. | 487 | 2 | 10 | | | | |
| Repairing gravel walks | 24 | 11 | 2 | | | | |
| Do. bandstand, &c. | 131 | 12 | 9 | | | | |
| Do. lamp posts, &c. | 173 | 10 | 8 | | | | |
| Purchasing tubs, manure, &c. | 224 | 9 | 2 | | | | |
| Improving and covering foliage shed | 110 | 13 | 7 | | | | |
| Constructing masonry stands | 111 | 14 | 0 | | | | |
| General repairs | 1,243 | 10 | 2 | | | | |
| Stationery | 19 | 12 | 6 | | | | |
| Printing | 25 | 2 | 7 | | | | |
| Advertisement | 74 | 8 | 0 | Met from the Corporation funds... | 11,581 | 8 | 1 |
| Fee: for band | 1,040 | 0 | 0 | | | | |
| | 17,825 | 12 | 9 | | | | |
| Tools and plant | 29 | 1 | 10 | | | | |
| Total ... | 22,449 | 1 | 7 | Total ... | 22,449 | 1 | 7 |

TABLE No. 21.

Napier Park.

| Disbursements. | Amount. | | | Receipts. | Amount. | | |
|---------------------------|--------------|----------|----------|-----------------------------------|--------------|----------|----------|
| | RS. | A. | P. | | RS. | A. | P. |
| Establishment | 572 | 10 | 4 | Sale proceeds of hay and grass. | ... | ... | ... |
| Allowance | 120 | 0 | 0 | | | | |
| <i>Labour.</i> | | | | Miscellaneous | 135 | 1 | 10 |
| Gardeners, &c. | 672 | 11 | 11 | | | | |
| Clothing for peons | 34 | 0 | 0 | | | | |
| Contingencies | 23 | 2 | 10 | | | | |
| | 729 | 14 | 9 | | | | |
| Tools and plant | ... | ... | ... | Met from the Corporation funds... | 1,287 | 7 | 3 |
| Total ... | 1,422 | 9 | 1 | Total ... | 1,422 | 9 | 1 |

TABLE No. 22.

Robinson Park.—Statement of receipts and disbursements for the year 1914-15.

| Disbursements. | Amount. | | | Receipts. | Amount. | | |
|--|---------|----|----|--|---------|----|----|
| | RS. | A. | P. | | RS. | A. | P. |
| Establishment | 1,029 | 6 | 2 | Sale of grass, &c. | 255 | 15 | 0 |
| <i>Labour.</i> | | | | Met from the funds of the Corporation | 4,868 | 5 | 0 |
| Gardeners, Engine driver and Lascar | 2,230 | 15 | 7 | | | | |
| Stationery | 7 | 5 | 3 | | | | |
| Printing | 6 | 0 | 4 | | | | |
| Purchasing tubs, manure, &c. | 318 | 1 | 0 | | | | |
| Clothing for peons | 14 | 5 | 1 | | | | |
| Fee for band playing | 650 | 0 | 0 | | | | |
| Oil for lighting | 23 | 3 | 9 | | | | |
| Repairing hand cart, &c. | 54 | 11 | 4 | | | | |
| Improvements of Fernery | 250 | 6 | 9 | | | | |
| Repairing Foliage shed, &c. | 408 | 7 | 7 | | | | |
| Fuel, &c., for oil engine | 129 | 15 | 11 | | | | |
| | 4,093 | 8 | 7 | | | | |
| Tools and plant | 1 | 5 | 3 | | | | |
| Total | 5,124 | 4 | 0 | Total | 5,124 | 4 | 0 |

TABLE No. 23.

Loane Square.—Statement of receipts and disbursements for the year 1914-15.

| Disbursements. | Amount. | | | Receipts. | Amount. | | |
|---|---------|-----|-----|--|---------|----|----|
| | RS. | A. | P. | | RS. | A. | P. |
| Allowance | 60 | 0 | 0 | Met from the funds of the Corporation | 1,778 | 8 | 7 |
| Labour | 251 | 0 | 6 | | | | |
| Fees for band playing | 1,275 | 0 | 0 | | | | |
| Painting railing gates and white washing | 192 | 8 | 1 | | | | |
| Tools and plant | ... | ... | ... | | | | |
| Total | 1,778 | 8 | 7 | Total | 1,778 | 8 | 7 |

TABLE No. 24.

CORPORATION WORKSHOPS.

Statement showing the number and cost of works executed during 1914-15.

| | Number. | Cost. | | |
|--|---------|----------|----|----|
| | | Rs. | A. | P. |
| I. Departmental Works | 2,590 | 1,30,623 | 10 | 9 |
| II. Private Works | 105 | 1,205 | 3 | 2 |
| III. Foreign or Advances Recoverable Works ... | 45 | 391 | 12 | 10 |
| Total... | 2,740 | 1,32,220 | 10 | 9 |
| New Works | 949 | | | |
| Repairs | 1,791 | | | |

TABLE No. 25.

CORPORATION WORKSHOPS.

Statement showing some of the more important works done during 1914-15.

| No. | Particulars. | Estimate | Expenditure |
|-----|--|----------|------------------|
| | | Amount. | during the year. |
| | | Rs. | Rs. |
| 1 | Manufacturing 10 wooden trolleys, new pattern for depots ... | 3,800 | 3,075 |
| 2 | Do. tables, chairs, etc., for the Revenue Department. | 8,730 | 6,440 |
| 3 | Do. tree guards for the Honorary Arborist ... | 1,029 | 1,000 |
| 4 | Erecting a galvanized iron fence round the drainage stores ... | 2,720 | 2,210 |
| 5 | Manufacturing 20 box carts lined with galvanised iron sheet, new pattern for depots | 4,500 | 4,320 |
| 6 | Erecting 2 sets of screening cages and all accessories for C Pumping Station | 1,400 | 1,290 |
| 7 | Erecting 2 sets of screening cages and all accessories for A Pumping Station | 1,400 | 1,290 |
| 8 | Manufacturing 100 street lanterns, 40 prickly pears knives, 60 racks, 100 wrought iron frames and 200 zinc reservoirs... | 1,092 | 960 |
| 9 | Manufacturing map and plan racks for Works Department ... | 1,659 | 1,445 |
| 10 | Do. furniture for Works Department | 1,190 | 1,085 |
| 11 | Erecting a traveller at moulder shed | 1,100 | 845 |
| 12 | Manufacturing 12 box carts inlaid with galvanized steel iron... | 2,856 | 2,520 |
| 13 | Fixing corrugated iron sheets for the stores shed at Anna Pillai Street, Special Works Department | 1,150 | 1,080 |

TABLE No. 26.
CORPORATION WORKSHOPS.

Statement showing the number and description of carts, buckets, dust-bins, &c., manufactured during 1914-15.

| Particulars.. | No. |
|---|-----|
| Box carts, wooden, new pattern | 46 |
| Night-soil buckets, with covers, iron | 168 |
| Hand carts with buckets, iron | 12 |
| Do do wooden | 14 |
| Night-soil pails, iron | 138 |
| Dust-bins, large, corrugated iron | 319 |
| Do small do | 285 |
| Do fly proof | 21 |
| Meter doors of sizes, cast iron | 28 |
| Do wrought iron | 80 |
| Do wooden | 10 |
| Trollies, wooden | 14 |
| Gratings of sizes, cast iron | 64 |
| Do wrought iron | 35 |
| Lanterns street | 100 |
| Tree guards, iron | 59 |
| F. H. Indicator plates cast iron | 400 |
| 50 Gallons, Tanks on wheels | 11 |
| Circular, Manhole covers of 18" diameter | 18 |

TABLE No. 27.
CORPORATION WORKSHOPS.

Statement of New Machinery purchased during 1914-15.

| Description of Machine. | No. | Value. |
|--|-----|--------|
| | | Rs. |
| 1. Portable crane | 1 | 330 |
| 2. Surfacing and boring lathe | 1 | 2,485 |
| 3. Traveller for moulder shed with worm geared pulley | 1 | 1,100 |
| 4. Portable Aston oil Petrol pump and Engine | 1 | 2,986 |
| Total | 4 | 6,901 |

Report from the Sub-Assistant Inspector of Schools, Triplicane Range, on the working of schools aided and maintained by the Corporation during the official year 1914-1915.

SCHOOLS MAINTAINED BY THE CORPORATION.

Number and strength.—Five schools were opened during the year, one in May 1914, one in June 1914, one in July 1914 and two in March 1915, thus bringing up the total number of Corporation Schools to 12. The necessary particulars in regard to them are given below :—

| No. | Name of School. | No. of Stand-ards. | No. on rolls on 31st March 1915. | | Total. | Average attend-ance. |
|-----|----------------------|--------------------|----------------------------------|--------|--------|----------------------|
| | | | Boys. | Girls. | | |
| 1 | Chetput | ... | 181 | 49 | 230 | 177 |
| 2 | Vallabha Agraharam | ... | 170 | 26 | 196 | 140 |
| 3 | Periamet | ... | 95 | 40 | 135 | 88 |
| 4 | Furasawalkam | ... | 178 | ... | 178 | 123 |
| 5 | Chintadripet | ... | 171 | 34 | 205 | 141 |
| 6 | Malayappan Street | ... | 112 | 19 | 131 | 81 |
| 7 | Sanjeevirayanpet | ... | 175 | 11 | 186 | 158 |
| 8 | Mandavali (Mylapore) | ... | 176 | 8 | 184 | 119 |
| 9 | Nungambakam | ... | 140 | ... | 140 | 113 |
| 10 | Korukupet | ... | 151 | 17 | 168 | 113 |
| 11 | Goyatope | ... | 21 | 16 | 37 | 24 |
| 12 | Thousand Lights. | ... | ... | ... | ... | ... |
| | | Total ... | 1570 | 220 | 1790 | 1277 |

Out of the twelve schools, the school at Thousand Lights was opened only on 31st March 1915 and regular classes were formed only in April 1915 and hence the strength of that school is not given. Out of the total of 1790 pupils on the whole about 19 per cent. of the number belonged to the Panchama classes of the community, most of the pupils in the Chetput and Periamet schools being of that class. It is also expected that the majority of the pupils of the Thousand Lights School will be of that community, while in the Malayappan street School about 30 per cent. of the pupils belonged to that class. In the other schools a good many pupils attending the school are of the other backward classes.

Accommodation and Equipment.—All the schools were provided with accommodation of their own except the Sanjeevirayanpet and Nungambakam schools which were located in rented houses. The school at Sanjeevirayanpet occupied the building constructed by the Corporation on 2nd December 1914 and the Nungambakam school is still in the rented building and a building for it by the Corporation is under construction and it may be ready for occupation in a few months. All the buildings have more or less open space around them, of which a portion is allotted for school garden and the rest is used as play-ground.

All the schools have been provided with the necessary furniture except the one at Nungambakam for which it is being made ready. Some of the first

opened schools have been supplied with the necessary apparatus and appliances for teaching. The equipment for these schools is satisfactory and fairly up-to-date. The indents were sent up for the other schools also but they were not sanctioned for want of funds. Revised list of apparatus and appliances is being drawn up for these and it is hoped that early arrangements will be made for their equipment.

Staff and Instruction.—Each of these schools is staffed with five teachers and a handicraft instructor who gives instruction in carpentry. The staff has been efficient, most of the teachers employed having been trained or professionally qualified. The Chetput school alone has got two additional teachers on account of the increased strength it has. In this connection, I have the honour to submit that the instruction given in carpentry work and the progress made by the pupils (mostly Panchamas) in the Chetput school is worth noting.

These teachers availed themselves of the opportunities afforded by the elementary section of the Teachers' Guild for improving their knowledge of subjects included in the Elementary Scheme of Studies issued by the Department, and these were awarded certificates during the year for their proficiency in the several subjects.

Syllabuses of instruction were drawn up in conformity with the scheme and followed.

Finance.—The particulars regarding this item are not available in this office.

Schools aided by the Corporation.—Nil. (*Vide* para. 2 of G. O. No. 820 M., dated 25th May 1911).

General Remarks.—The schools were paid surprise visits by the Sub-Assistant Inspectors of Schools and the working of the schools has been carefully watched by them. They were examined for annual inspection and copies of these reports have been duly forwarded to the President, Corporation of Madras. Every endeavour is being made to make the schools model schools as required in the G. O., referred to above.

Statement No. 1 relating to General Statistics in Educational Institutions in the area under the control of the Corporation of Madras.

| Institutions. | 1914. | | | 1915. | | | Total population of School-going age. | | REMARKS. |
|----------------------------------|--------------------|---------------------------------|--------|--------------------|---------------------------------|--------|---------------------------------------|--------|----------|
| | Number of Schools. | Number of pupils on 31st March. | | Number of Schools. | Number of pupils on 31st March. | | Boys. | Girls. | |
| | | Boys. | Girls. | | Boys. | Girls. | | | |
| <i>Elementary Schools—Boys.</i> | | | | | | | | | |
| Municipal ... | 7 | 995 | 195 | 12 | 1,570 | 220 | } 39,970 | 37,829 | |
| Aided from Municipal Funds ... | ... | ... | .. | ... | ... | ... | | | |
| Others :— | | | | | | | | | |
| (1) Recognised ... | 188 | 15,194 | 2,380 | 182 | 14,289 | 2,491 | | | |
| (2) Un-recognized... | 125 | 4,214 | 541 | 119 | 3,214 | 118 | | | |
| Total ... | 320 | 20,403 | 3,116 | 313 | 19,078 | 2,824 | ... | ... | |
| <i>Elementary Schools—Girls.</i> | | | | | | | | | |
| Municipal ... | ... | ... | ... | ... | ... | ... | } 39,970 | 37,829 | |
| Aided from Municipal Funds ... | ... | ... | ... | ... | ... | ... | | | |
| Others :— | | | | | | | | | |
| (1) Recognised ... | 56 | 501 | 8,096 | 55 | 495 | 7,835 | | | |
| (2) Un-recognized... | 6 | 75 | 134 | ... | ... | ... | | | |
| Total ... | 62 | 576 | 8,230 | 55 | 495 | 7,835 | . | ... | |

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. | Number possessing general education certificates only. | Number entirely uncertificated. | REMARKS. |
|--------------------------------------|---------------------------------------|--|--|---------------------------------|---|
| <i>Elementary Schools for Boys.</i> | | | | | |
| Maintained by the Corporation | { Males ... (a) 71 Females | 53 | 17 | 1 | (a) Includes 11 Handicraft Instructors. There are also 4 Kindergarten Instructors, one Supervisor and 2 Gymnastic Instructors, common to all the schools. |
| Aided by the Corporation | { Males Females | ... | ... | ... | |
| Aided from Provincial Funds | { Males ... (b) 643 Females ... 30 | 337 | 267 | 39 | (b) Includes 5 Gymnastic Instructors and 3 Drawing Masters. |
| <i>Elementary Schools for Girls.</i> | | | | | |
| Maintained by the Corporation | ... | ... | ... | ... | (c) Includes 1 Gymnastic Instructor. (d) Includes 3 Drawing Masters. (e) Includes 2 Drawing Masters. |
| Aided by the Corporation | ... | ... | ... | ... | |
| Aided from Provincial Funds | { Males ... 22 Females ... 346 | 16 | (e) 5 | 1 | |
| | | (c) 250 | (d) 82 | 14 | |

APPENDIX IV.

ANNUAL REPORT OF THE ROYAPETTAH HOSPITAL FOR THE YEAR 1914-1915.

Accommodation.—The accommodation is for 76 patients, made up as follows:—

68 beds for Indians.

8 beds for Europeans and Eurasians.

Patients Treated.—2580 in-patients and 60,145 out-patients were treated during the year against 2287 and 60,470 respectively, in the previous year, showing an increase of 293 of the former and a decrease of 325 of the latter. Last year the number of cases of malaria unusually swelled the figures in the Out-patient Department.

Operations.—1261 in-patient and 3118 out-patient operations were performed, giving a total of 4379 for the year. The corresponding figures for last year were, 975 and 2835 with a total of 3810. A commendable increase.

Amount of Recoveries from patients who were treated in the Special Ward, at the rate of 8 annas a day, amounted to Rs. 541.

Establishment.—The establishment was sufficient. The toties are a constant source of worry, they have become quite independent and a considerable amount of tact has to be shown to retain their services.

Epidemics.—Cholera and smallpox were prevalent during parts of the year. Details from the Isolation Hospital will show the figures. Typhoid fever existed in an epidemic form, especially in Triplicane, and several of these cases were treated in the hospital.

Inspection and Remarks by Visitors.—Except for flitting visits from the President of the Corporation, the hospital is not troubled by visits from personages.

General Remarks.—A complete X-ray apparatus has been received and is expected to be in working order in a month or so from the date of this report. This acquisition will be of great help in the immediate detection of obscure fractures and internal abnormalities difficult to diagnose by the usual means. There were no European nurses at work during the year, it is impossible to procure really efficient women for nursing duties in the Madras Presidency. The six Indian nurses have performed their duties to the best of their abilities but this is not saying very much. The hospital is doing good work, thanks to the medical staff under my charge; the pity is, that a considerable amount of clinical material goes to waste as we have no students attached to this hospital to take advantage of this rich educational pabulum. Tropical diseases are especially investigated and a complete and full series of coloured drawings of the skin diseases of the natives

of the Presidency is in progress. The artist of the hospital excels in depicting such affections and I may say, without fear of cavil, that the hospital possesses a set of coloured drawings of skin diseases of the people of the country, not possessed by any other institution in the East or for the matter of that, in the West either. The purport of these apparently vainglorious remarks is to throw out the suggestion that the teaching of tropical diseases should be undertaken by the staff of the Royapettah Hospital as a speciality. Calcutta has or will have, a Tropical School, Bombay has started, and why should Madras not take her usual part of Cinderella?

ROYAPETTAH HOSPITAL,
14th May, 1915.

}

C. DONOVAN, LT.-COL., I. M. S.,
Surgeon, 4th District, Madras.

CONCISE ANNUAL REPORT OF THE CHINTAD RIPET DISPENSARY,
FOR THE YEAR 1914-15.

(1) *Accommodation*.—Accommodation is sufficient.

(2) *Admissions*.—The total number of patients treated and the daily average attendance were 33,876 and 266.67 as against 30,303 and 227.42, respectively, during the previous year. The number of operations performed was 1271, as against 1186 during the previous year. This shows that the dispensary maintained its popularity.

A statement showing the classes of diseases treated is attached.

(3) *Inspections*.—The dispensary was inspected frequently by the Surgeon, 3rd District, Madras, and occasionally by the Commissioner of the Division.

(4) *Establishment*.—No changes were made in the establishment during the year.

(5) *Finance*.—The total cost of maintenance of the dispensary was Rs. 3767-1-8 for the year as against Rs. 3542-13-7 in the previous year. The variation is due to the following causes :—

(a) *Establishment*.—The expenditure under this head was Rs. 2054-9-8 as against Rs. 2081-1-4 in the previous year. The excess in the previous year was due to the continuance of the services of the female ward attendant till 3rd May 1913, and to the payment of a compounder's salary due for February 1913 in April following.

(b) *European Medicines*.—The cost of this was Rs. 981-5-8 as against Rs. 854-5-5 in the previous year. The increase in the number of patients treated augmented the quantity of medicines used.

(c) *Bazaar Medicines*.—This was *nil* as against Rs. 1-12-0 in the previous year.

(d) *Miscellaneous Charges.*—These amounted to Rs. 731-2-4 as against Rs. 347-10-10 in the previous year. The expenditure of bandage cloths went up to a great extent owing to the steady growth in the number of patients treated, however much efforts were taken to minimise their use. It is also to be noted that the cost of varnishing the dispensary furniture, articles, etc., was included under this head, which is an unforeseen expense for the year. Both these contributed to swell the expenditure under this head.

(e) *Buildings and Repairs.*—This was *nil* as against Rs. 258 in the previous year.

(f) *General Remarks.* Nil.

MADRAS,
21st May, 1915. }

S. BALASUBRAMANIAM,
1st Grade Sub-Asst. Surgeon
In charge, Chintadripet Dispensary.

CONCISE ANNUAL REPORT OF THE WASHHERMANPET DISPENSARY,
FOR THE YEAR 1914-1915.

(a & b) *Nature and sufficiency of Accommodation.*

This dispensary was opened by the Corporation of Madras, on 2nd February 1913, to treat Malarial cases only. Since 1st January 1914 necessary provision has been made to treat all cases irrespective of malaria in a rented building, at No. 50, Tiruvottiyur High Road. Owing to want of proper accommodation the Surgeon, 1st District, has suggested having the dispensary shifted to another building in Tiruvottiyur High Road (Old Police Station) with necessary alterations which are now under construction.

(c) *State of repair of furniture.*—Good.

(d) *Inspection.*—During the year under report the dispensary has been inspected several times by the Surgeon, 1st District, Health Officer, Special Malaria-Officer and the President, Corporation of Madras.

(e) *Amount of recoveries.*—Not applicable.

(f) *Number of patients treated.*—The total number of patients that attended the dispensary were 19,338 with a daily average of 135.71. The most common diseases treated at the dispensary were—

| | | | | |
|--|-----|-----|-----|------|
| Malaria | ... | ... | ... | 8394 |
| All other diseases of digestive system | ... | ... | ... | 1799 |
| Do. do. skin | ... | ... | ... | 1381 |
| Ulcers | ... | ... | ... | 1132 |
| Diseases of the ear | ... | ... | ... | 1039 |
| All other diseases of respiratory system | ... | ... | ... | 937 |

The maximum number treated on any one day was 222, on 12th March 1915.

(g) *Operations.*—439 operations were performed during the year under report.

(h) *Establishment.*—Continues to be efficient and sufficient.

(i) *Work actually done by the Midwife.*—The midwife attached to this dispensary attends to the surgical dressings of the women and children from 7 to 10 A.M. daily. The present nurse has conducted 14 cases since the date of her appointment (7-11-1914 to 31-1-1915). A notice is posted at the institution that her services are available to the general public for confinement at all hours. The public are now beginning to utilise her services as frequently as the occasion may require.

MUHAMMAD ALLY,
Sub-Assistant-Surgeon in charge of
Washermanpet Dispensary.

(j) *General Remarks.*—The utility of the dispensary will be enormously increased when the new buildings are ready.

The register kept by the midwife shows very satisfactory progress.

MADRAS,
22nd May, 1915.

}

R. BRYSON, MAJOR, I. M. S.,
Surgeon, 1st District.

CONCISE ANNUAL REPORT OF THE BAULIAH NAYUDU DISPENSARY,
VEPERY, FOR THE YFAR 1914-15.

The dispensary is situated in a central place quite convenient to the people residing in Pursawalkam, Kosapet, Kilpauk, Otary, Chulai and Vepery. Even people residing in distant places, such as Perambore, New Town, Egmore and Nungambaukam resort to the dispensary.

Establishment.—The establishment consisted of the following :—

- 1 Senior Grade Sub-Assistant Surgeon.
- 1 Second " "
- 3 Compounders.
- 1 Nurse.
- 1 Male Ward Attendant.
- 1 Female do.
- 2 Peons.
- 1 Sweeper.

Besides the above, 2 peons were entertained temporarily to issue zinc tickets and thus prevent the rush of patients.

The total admissions of the out-door patients treated, during the year was 54,579 against 52,703 in the previous year.

2,142 minor surgical operations were performed during the year against 2,616 in the previous year.

The maximum number treated on any one day was 469, on 29th April 1914.

Statement showing the variations, as compared with the statistics of the previous year :—

| | 1913-1914. | | | 1914-1915. | | |
|-----------------------|------------|-------|-------|------------|------|----|
| | Rs. | A. | P. | Rs. | A. | P. |
| Establishment | ... | 3,052 | 10 3 | 3,167 | 10 1 | |
| European medicines | ... | 3,440 | 4 4 | 3,527 | 1 11 | |
| Bazaar medicines | ... | 5 | 6 6 | ... | ... | |
| Miscellaneous charges | ... | 1,095 | 11 5 | 306 | 15 7 | |
| Buildings and repairs | ... | 115 | 0 0 | 532 | 0 0 | |
| Hospital necessities | ... | 743 | 5 7 | 1,011 | 4 2 | |
| Clothing | ... | 73 | 13 10 | ... | ... | |
| Total | ... | 8,526 | 3 11 | 8,544 | 15 9 | |

The increase under the heading of establishment is due to the employment of two extra peons and the changes in the Senior Sub-Assistant-Surgeons. The increase under the head of European medicines is rather small and it does not require any explanation.

The increase under hospital necessities is due to the increased number of admissions. The decrease under miscellaneous charges is due to the supply of furniture, etc., during the previous year.

On the whole there has been an increase of Rs. 18-11-10 in the total expenditure, during the year against Rs. 2990-2-6 in the previous year.

VEPERY, MADRAS, }
24th May 1915. }

S. SETH,
Senior grade Sub-Assst. Surgeon,
In charge, Bauliah Nayudu Dispensary,
Vepery, Madras.

Forwarded.

W. MOLESWORTH, LT.-COL., C.I.E., I.M.S.,
Presidency Surgeon, II District,

25-5-15.

RAJA SIR RAMASAWMI MUDALIYAR LYING-IN-HOSPITAL.

REPORT ON THE WORKING OF THE RAJA SIR RAMASAWMI MUDALIYAR
LYING-IN-HOSPITAL, FOR THE OFFICIAL YEAR 1914-15.

I. *Accommodation*.—The hospital consists of two caste wards and one non-caste ward, with a separate delivery ward with six beds. There is also a contagious shed for the segregation of all septic patients and those suffering from infectious diseases.

The following table gives the number of beds in each ward :—

| No. | Name of ward | No of beds. | REMARKS. |
|-------|-------------------------------|-------------|--|
| 1 | Lady Granville Ward | 10 | A caste ward. |
| 2 | Lady Ramaswami Ward | 10 | Do. |
| 3 | Victoria Jubilee Ward | 16 | Non-caste ward. |
| 4 | Delivery Ward (Albert Victor) | 6 | Delivery ward. |
| 5 | Contagious shed | 8 | For septic cases, infectious diseases. |
| Total | | 50 | |

II. *The average daily sick including natural labor cases was:—*

- (1) In-patients : 21·27 as against 21·04 of last year.
- (2) Out-patients : 3·87 as against 3·14 of last year.

III. *The total treated during the year was :—*

- (1) In-patients : 1269 as against 1082 of last year.
- (2) Out-patients 838 as against 660 of last year.

This institution is a charity institution intended for the convenience of the Indian community only and the poor of all classes of the Indian community of Madras and its suburbs in the north, seek admission freely. European and Eurasian patients are not admitted except in cases of emergency.

IV. Medical pupils of the Sub-Assistant Surgeon-class in their final year of study receive clinical instruction in obstetrics in this institution. Indian pupil midwives are also trained here for a period of one year, after which they find employment under the various Municipalities and Local Boards.

V. The expenditure of the institution is met by the Corporation of Madras together with the endowment, the pay of the medical staff being met by the Government.

R. BRYSON, MAJOR, I.M.S.

ANNUAL REPORT OF THE GEORGE TOWN DISPENSARY, FOR THE YEAR 1914-15.

Accommodation.—No changes or alterations were made during the year.

Repairs to buildings.—None.

Attendance.—43,046 out-patients were treated during the year, the daily average attendance was 299·75. Comparing these figures with those of the year

previous, there is a decrease in the number treated by 2135, and an increase in the daily average by 17.44. The decrease in the number treated can only be explained by the working of the newly opened dispensary in Washermanpet, and the treatment of cases of malaria by the malaria staff.

The most common diseases treated were, malaria 801, diseases of the digestive system 6339, diseases of the ear 3764, injuries (general and local) 3552, ulcers 2658, diseases of the respiratory system 2246, fevers of uncertain origin 1995, diseases of the connective tissue 1718, diseases of the skin 1679. On comparing these figures with those of the previous year, a general reduction is obvious.

Operations. - 2501 minor operations were performed, these figures are less by 31, as compared with those of the previous year.

The statement showing the finance, attendance, and diseases treated is attached.

MADRAS, }
9th June 1915 }

R. BRYSON, MAJOR, I. M. S.,
Surgeon, 1st District.

From

THE SENIOR PANDIT IN CHARGE,
Sree Kanyaka Parameswari Devasthanam
Free Ayurvedic Dispensary, G. T., Madras.

To

THE PRESIDENT,
Corporation of Madras,
MADRAS.

Sir,

I have the honour to submit the report on the working of the S. K. P. D., Ayurvedic Free Dispensary, George Town, for the official year 1914-15.

Owing to the growing necessity for affording greater facilities to the suffering public, the trustees have been pleased to direct that the dispensary be kept open in the evenings also and this is being done with effect, from 6th November 1914. In recognition of the increased and useful work turned out by the staff, the Trustees have also been pleased to grant small increments to their pay.

There have been no changes in the staff of the institution.

During the year under report important and valuable *bhasmams*, etc., were prepared out of pure gold and other valuable articles administered to the patients.

The total number of patients treated during the year was 25,727 against 23,889 in the previous year and the average daily attendance 166.24 against 164.59 in the previous year. The increase in the number shows clearly that the dispensary is gaining in popularity.

The Hon'ble T. Zynulabdin Sahib Bahadur, B.A., Shums-ul-mulk, Member of the Local Legislative Council, and an eminent unani medical practitioner of the City, was pleased to visit the institution in the course of the year and observed as follows :—

“ I was exceedingly glad to learn that medicines are prepared according to shastric rules and that everything is kept in a systematic way. I have no doubt whatever that this dispensary is serving the public very usefully. In my opinion, the annual contribution of Rs. 500 made to it by the Madras Corporation is very insufficient.”

The accompanying statements furnish details of the various diseases for which the patients were treated, the income of the institution and the expenditure under several heads.

The several registers have been carefully maintained in the prescribed form and the periodical returns submitted punctually.

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

C. C. SUBRAMANIA SASTRI,
Senior Physician.

THE KALYANI HOSPITAL, MYLAPORE.

Report for the year 1914-15.

During the year under review the Committee has suffered a serious loss through the death of Mrs. N. Subrahmanyam, who had been one of its members since the foundation of the hospital, and who took the keenest interest in the work and development of the institution with which her husband's name will always be associated. Her place on the Committee has been taken by her son, Mr. Angelo Rama Rao.

The Committee is grateful to Surgeon-General Bannerman, who at its request visited the hospital during the year.

In December, Dr. Dodge, who had been in charge of the hospital for three years, had a complete breakdown of health. On her transfer Dr. E. E. Tucker, of the Wesleyan Mission Hospital, Ikkadu, took charge for a month. In January the Committee was fortunate in securing the services of Mrs. Dr. Simonsen, who is now in charge with an Indian lady apothecary, as assistant. With this increased staff, the efficiency of the hospital has been greatly increased, and its field of usefulness has been extended. There is every reason to hope that the current year will show distinct advance on all that have gone before, but for this to be sustained the steady support of the local public is urgently required; by far the larger part of the hospital's income still comes from abroad.

14th May, 1915.

J. S. M. HOOPER,
*Honorary Secretary, Committee of
Management of the Kalyani Hospital, Mylapore.*

SAN THOME DISPENSARY,
MADRAS, 24th May 1915.

From

M.R.Ry. RAO BAHADUR G. NARAYANASWAMI CHETTI GARU,
Honorary Secretary and Treasurer,
San Thome Dispensary,
San Thome, Madras.

To

THE PRESIDENT,
Corporation of Madras,
MADRAS.

SIR,

I have the honour to submit herewith the report on the working of the San Thome Dispensary, for the year 1914-1915.

History.—This institution is in existence for the past 41 years. It was established by Bishop Strachn, M.D., of the S. P. G. Mission in 1874. Its objects are to afford medical aid and surgical relief to the several charitable institutions in and around San Thome and the poor of all classes of the community, without reference to caste, creed or nationality.

Means of support.—The dispensary is maintained by a monthly grant of Rs. 66-10-8 and an annual grant of Rs. 300 from the Corporation of Madras, supplemented by private contributions.

Constitution.—The management of the dispensary is in the hands of a representative Committee with the Health Officer, Corporation of Madras, as its Chairman.

Accommodation.—The building in which the dispensary is located is the property of the S.P.G. Mission for which a nominal rent of Rs. 10 per mensem is being charged by the Mission. It is suitable to its requirements. As the mission has not done the required repairs, the Committee is carrying out necessary repairs, etc., from its own fund.

Establishment.—The staff consists of one Sub-Assistant Surgeon, one compounder, a peon and a sweeper.

Out Relief.—During the year under report 10,412 new cases were treated against 10,774 during the past year, the average daily attendance being 64.33 against 64.29 in the previous year.

The decrease of 362 cases may be attributed to the removal of a big Paracherry in Rosary Church Road, close by San Thome Cathedral, and also to the declining of malaria and other allied fevers, by the vast improvements done by the Corporation to the low lying grounds around Mylapore.

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

Income.—The total income of the year from all sources was Rs. 1,892-3-0.

Working of the Establishment.—The dispensary is opened daily from 7 A.M. to 10 A.M., for treatment.

Administration.—The dispensary was inspected on several occasions by the President of the Madras Corporation, the Health Officer and the Special Malaria Officer, during its working hours.

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

General Remarks:—The dispensary maintains its popularity as usual and continues to do its good work to all in and around San Thome and Mylapore, but it is a great pity that people whose servants and employees derive great benefit from the dispensary do not support it by contributions.

The Sub-Assistant Surgeon Mr. F. Immanuel Pillai, in charge of the dispensary has done useful work and takes great interest in the discharge of his duties.

The dispensary statistics are added.

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

G. NARAYANASWAMI CHETTI,
*Honorary Secretary and Treasurer,
San Thome Dispensary, Madras.*

No. 121, V. C. G. H.
Enc. two

GOVERNMENT HOUSE,
Ootacamund, dated 5th June 1915.

From

MAJOR F. F. ELWES, M. D., C. I. E., I. M. S.,
*Honorary Secretary, Victoria Caste
and Gosha Hospital, Madras.*

To

THE PRESIDENT,
*Corporation of Madras,
MADRAS.*

SIR,

Owing to Rao Bahadur G. Narayanaswamy Chetty having resigned the office of Honorary Secretary to the Governors of the Victoria Caste and Gosha Hospital, Madras. I have the honour to submit the usual returns showing the work of the Hospital, during the year 1914-15.

2. This hospital, founded as a charitable institution in 1885, exclusively for caste and gosha women, has been supplying usual medical aid to the suffering women, both of Madras and the Mofussil, who for various reasons are unable or unwilling to go to any of the Government hospitals.

3. The total number of patients treated during the year is 15,509 as against 19,114 in the previous year; the number of Hindu and Muhammadan patients (both in and out) being 11,532 and 3,927, respectively. The total number of labour cases treated during the year was 644 as against 893 in the year preceding.

There has been a distinct falling off in the number of patients both in, and out-patients treated and in the number of maternity cases attended. This is doubtless due to the frequent changes of the Superintendent which unforeseen circumstances have necessitated, but the popularity of the institution, the Committee feel sure, will very shortly be re-established with Miss V. E. M. Bennett, M. B. B. S., (London) D. P. H. (Cantab) as permanent Superintendent.

4. The Governors tender their grateful thanks to the following gentlemen for the material assistance rendered by them:—

1. The Zamorin of Calicut.
2. The Raja of Cannanore.
3. The Raja of Kollengode.
4. Raja Venugopal Bahadur.
5. The Zemindar of Devakkottai.
6. The Zemindar of Singampatti.
7. Rao Sahib C. Kannan Chetty.
8. M.R.Ry. C. Ramanujam Chetty Avargal.
9. M.R.Ry. S. R. M. M. Annamalai Chetty, Avargal.
10. M.R.Ry. M. Ct. Muthiah Chetty Avargal.
11. Mr. Abdul Qadir Sahib.
12. M.R.Ry. S. R. M. M. Ramaswamy Chetty Avargal.

5. At the annual meeting of the Governors of the hospital held on 9th April 1915, it was pointed out that the financial condition of the hospital was not very satisfactory and from the budget estimates for 1915, it is estimated that there is likely to be a deficit of about Rs. 6,000 on the year's working. The Managing Committee of the hospital, *i.e.*, the Countess of Dufferin's Fund Committee, have however recently adopted several measures with a view to increasing the income and reducing the expenditure, but these will only come into force during the present year.

6. The Governors thank the Commissioners of the Corporation of Madras for their annual contribution of Rs. 1,000 towards the hospital.

I have the honour to be,

Sir,

Your most obedient servant,

F. F. ELWES, M.D., C.I.E., MAJOR, I.M.S.,
Honorary Secretary, V. C. & G. Hospital.

THE VENKATARAMANA DISPENSARY, MYLAPORE.

REPORT FOR THE YEAR 1914-1915.

The dispensary continued its useful work during the year. The total attendance was 45,005 against 41,918 in 1913-14. The average daily attendance was 123 against 115 in the previous year.

The amount of subscriptions was Rs. 841 against Rs. 1,245 in 1913-14. One gentleman was unable to continue his subscriptions, three others have been in arrears.

The capital of the institution stands at Rs. 31,000. Rs. 28,000 is invested on mortgage of immoveable property and Rs. 3,000 is invested in Nattukottai Chettis' firms.

The Corporation of Madras has been kind enough to continue its contribution of Rs. 100 for the year. The previous year's subscription too was paid during 1914-15. Hence the sum of Rs. 200 shown in the statement attached hereto.

THE VENKATARAMANA DISPENSARY, }
MYLAPORE, }
26th June, 1915. }

A. KRISHNASWAMI AIYAR,
for Secretary.

SAN THOME CONVENT,
SAN THOME,
21st May 1915.

From,

THE LADY SUPERIOR,
*Saint Thomas' Convent Dispensary,
San Thome, Madras.*

To

J. C. MOLONY, Esq., I.C.S.,
President.

Sir,

I have the honour to forward herewith the statistics and report for the year ending March 1915, and hope they will be found correct.

1. The Convent is composed of two orphanages, three schools, and an Asylum for old women.

2. The total of deaths being only 42, gives a percentage of 4 per 1,000.

At present the dispensary is undergoing repairs, but the dispensary continues its useful work at another local building of the Convent which opens on the Kutcheri Road.

The dispensary was inspected by the Health Officer of the Corporation of Madras.

The total number of new cases treated during the year was 11,377 against 7,800* in the previous year, showing an increase of 4,077 cases. The average daily attendance was 264 against 88.22.*

The increase in the new cases is due especially to cases of

| | | | |
|----------------------------------|-----|-----|-------|
| malaria, and other allied fevers | ... | ... | 722 |
| Other Diseases of the skin | ... | ... | 2,762 |
| Diseases of the ear | ... | ... | 615 |
| Diseases of the eyes | ... | ... | 290 |
| Injuries | ... | ... | 344 |
| Ulcers | ... | ... | 278 |

Operations.

Operations, 232, of a superficial nature were performed during the year.

The increase in the daily average of sick patients demands more medicines and miscellaneous needs and the dispensary is sustained only by the Convent and Municipality.

We would be very thankful, dear sir, if you would be so good as to recommend us for a special aid or an increase of monthly grant for the current year at least.

* This is now reported to be the correct figure.

Statement showing the diseases treated in the undermentioned Hospitals and Dispensaries during the year 1914-15.

| Name of Diseases. | Hospital and Dispensaries. | | | | | | | | | | | Total. | | | |
|---|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------|---------------------------------|------------------------------------|--|---|------------------------|---------------------------|--------|---------------------|-------------------|---------------------|
| | George Town Dispensary. | Washermanpet Dispensary. | Baliah Naidu Dispensary. | Chintadripet Dispensary. | San Thome Dispensary. | St. Thomas' Convent Dispensary. | Victoria Hospital for Goshu Women. | Raja Sir Kamaswamy Maternity Hospital. | Sri Kanyaka Paramaswami Ayurvedic Dispensary. | Devastanam Dispensary. | Venkataramana Dispensary. | | Raypettah Hospital. | Kalyani Hospital. | Isolation Hospital. |
| INFECTIVE DISEASES. | | | | | | | | | | | | | | | |
| Cholera | 4 | 1 | 1,606 | 1,018 | 369 | 195 | 5 | 1 | 385 | 77 | 70 | 7 | ... | 194 | 282 |
| Dysentery | 1,067 | 369 | ... | 1,018 | ... | 369 | 195 | 385 | ... | 90 | 1,508 | 2,275 | 315 | 6 | 9,280 |
| Enteric fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 144 | 73 | 5 | ... | 324 |
| Gonorrhoea | 218 | 19 | 82 | 124 | 15 | 15 | 3 | 30 | ... | 87 | 470 | 1,406 | 203 | ... | 2,657 |
| Kala-Azar | 5 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 65 | ... | ... | 76 |
| Leprosy | 6 | 3 | ... | 7 | 10 | ... | 30 | ... | ... | ... | 48 | ... | ... | ... | 102 |
| Malaria | 8,011 | 8,394 | 7,874 | 3,293 | 793 | 486 | 875 | 145 | 7,255 | 1,296 | 5,651 | 6,651 | 417 | ... | 44,600 |
| Plague | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Pneumonia | 42 | 8 | 6 | 127 | 2 | 4 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Pyrexia of uncertain Origin | 1,995 | 88 | 6,674 | 3,100 | 285 | ... | 14 | 75 | ... | ... | 36 | 77 | 61 | 1 | 377 |
| Rheumatic fever and Rheumatism | 387 | 439 | 1,925 | 985 | 283 | 235 | 688 | 15 | 354 | 8,848 | 1,962 | 4,690 | 503 | 4 | 18,588 |
| Small-pox | 1 | 1 | ... | ... | 3 | ... | ... | ... | ... | 576 | ... | ... | 329 | ... | 11,856 |
| Syphilis (primary and secondary) | 726 | 39 | 109 | 74 | 38 | 56 | 81 | 3 | ... | ... | ... | 1,009 | 2 | 87 | 94 |
| Tubercle of the lungs | 85 | 7 | 4 | 76 | 4 | 48 | 5 | ... | ... | ... | 403 | ... | 319 | 1 | 2,888 |
| Other Tubercular Diseases. | 54 | 27 | 10 | 20 | 6 | 26 | 29 | ... | 47 | 9 | 235 | 29 | 207 | ... | 553 |
| All other infective diseases | 110 | 5 | 35 | 25 | 51 | 321 | 34 | 2 | ... | 932 | 27 | 513 | ... | 20 | 2,075 |
| OTHER GENERAL DISEASES. | | | | | | | | | | | | | | | |
| Anaemia | 451 | 34 | 2,048 | 19 | 156 | 1,525 | 606 | 35 | 368 | 1,556 | 2,444 | 2,444 | 293 | ... | 9,605 |
| Diabetes | 30 | 16 | 6 | 28 | 1 | 28 | ... | ... | 45 | 136 | 19 | ... | 54 | ... | 363 |
| Scurvy | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| New growths (Non-Malignant) | 18 | ... | 9 | 4 | ... | 744 | 15 | ... | ... | 554 | ... | ... | ... | ... | 1,665 |
| Malignant | 7 | 5 | ... | 1 | ... | 214 | 13 | ... | ... | 365 | 52 | ... | 71 | ... | 728 |
| All other general diseases | 2,550 | 739 | 3,349 | 2,181 | 164 | 236 | 869 | 18 | 7,470 | 893 | 6,701 | 317 | ... | 47 | 25,684 |
| DISEASES. | | | | | | | | | | | | | | | |
| Diseases of the nervous system | 885 | 580 | 1,589 | 571 | 216 | 28 | 201 | 34 | 378 | 962 | 1,493 | 1,493 | 108 | ... | 7,045 |
| Diseases of the eye | 643 | 143 | 834 | 403 | 199 | 290 | 194 | 1 | 91 | 2,003 | 966 | 966 | 126 | ... | 5,893 |
| Diseases of the ear | 3,764 | 1,039 | 1,940 | 2,514 | 847 | 615 | 749 | 4 | 1,915 | 2,092 | 1,429 | 317 | ... | ... | 17,255 |
| Diseases of the nose | 337 | 9 | 455 | 36 | 26 | 14 | 44 | ... | 17 | 1,104 | 281 | 151 | ... | ... | 2,474 |
| Diseases of the circulatory system | 206 | 40 | 600 | 24 | 31 | 112 | 15 | 43 | 142 | 103 | 193 | 260 | ... | ... | 1,769 |
| All Diseases of the respiratory system except Pneumonia and Tubercle of the lungs | 2,246 | 937 | 6,599 | 5,152 | 1,145 | 428 | 880 | 176 | 1,644 | 2,072 | 5,131 | 501 | ... | ... | 26,312 |
| Dyspepsia | 713 | 130 | 244 | 368 | 513 | 328 | 1,069 | ... | ... | 2,348 | 2,131 | ... | ... | ... | 7,634 |
| Diarrhoea | 988 | 223 | 126 | 367 | 353 | 278 | 518 | 37 | ... | 2,290 | 1,533 | ... | ... | ... | 6,623 |

Statement showing the attendance of Patients treated, the income and the expenditure of the undermentioned Hospitals and Dispensaries, during the year 1914-1915.

| Name of Hospital. | Total number treated. | | Average daily attendance. | | Percentage of deaths to total in-door treated. | Income. | | | Expenditure. | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-----------|---------------------------|-----------|--|------------------------|------------------|-------|--------------------|----------------|--------|---------------------|--------|-------------------|----------------|-------|----------------------------|--------|-------|-------|-------|-------|-----|--------|--------|-------|--------|-----|--------|-------|--------|----|---|
| | In-door. | Out-door. | In-door. | Out-door. | | From subscription, &c. | From Government. | | From Municipality. | Establishment. | Diets. | European Medicines. | | Bazaar Medicines. | Miscellaneous. | | Repairs to Buildings, etc. | Total. | | | | | | | | | | | | | | | |
| | | | | | | | Rs. | A. P. | | | | Rs. | A. P. | | Rs. | A. P. | | | Rs. | A. P. | Rs. | A. P. | Rs. | A. P. | | | | | | | | | |
| Royapettah Hospital | 2,580 | 60,145 | 66-81 | 371-77 | 3-7 | 541 | 0 | 5,136 | 0 | 61,379 | 0 | 6 | 11,640 | 9 | 8,298 | 1 | 6 | 9,804 | 11 | 4 | 2,204 | 12 | 0 | 12,343 | 13 | 11 | 17,718 | ... | 61,920 | 0 | 6 | | |
| George Town Dispensary | ... | 43,046 | ... | 299-75 | ... | ... | ... | ... | ... | 11,004 | 3 | 0 | 4,360 | 14 | 3 | ... | ... | 4,035 | 5 | 3 | 27 | 6 | 0 | 2,580 | 9 | 6 | ... | ... | 11,004 | 3 | 0 | | |
| Washermanpet Dispensary | ... | 19,338 | ... | 135-71 | ... | ... | ... | ... | ... | 5,514 | 2 | 4 | 1,823 | 1 | 2 | ... | ... | 3,036 | 13 | 2 | ... | ... | ... | 654 | 4 | 0 | ... | ... | 5,514 | 2 | 4 | | |
| Banliah Naidu Dispensary | ... | 54,579 | ... | 321-06 | ... | ... | ... | ... | ... | 8,544 | 15 | 9 | 3,167 | 10 | 1 | ... | ... | 3,527 | 1 | 11 | ... | ... | ... | 1,318 | 3 | 9 | 532 | 0 | 8,544 | 15 | 9 | | |
| St. Thomé Dispensary | ... | 10,412 | ... | 64-33 | ... | 292 | 3 | 0 | ... | 1,600 | 0 | 0 | 631 | 0 | 0 | ... | ... | 400 | 7 | 0 | 13 | 7 | 0 | 244 | 6 | 9 | 70 | 0 | 1,859 | 4 | 9 | | |
| St. Thomas' Convent Dispensary | 1,896 | 9,481 | 44 | 220 | 0-4 | ... | ... | ... | ... | 240 | 0 | 0 | 980 | 0 | 0 | 678 | 0 | 0 | 1,020 | 0 | 0 | 344 | 0 | 0 | 318 | 0 | 0 | ... | ... | 3,340 | 0 | 0 | |
| Victoria Hospital for Caste and Goshu Women | 1,855 | 13,654 | 56-89 | 111-69 | 1-89 | 710 | 0 | 1,000 | 0 | 1,000 | 0 | 0 | 12,537 | 10 | 8 | 4,969 | 5 | 4 | 1,946 | 8 | 9 | 950 | 2 | 9 | 51,697 | 1 | 9 | 944 | 5 | 4 | 73,045 | 2 | 7 |
| Venkataramana Dispensary. | ... | 45,005 | ... | 123 | ... | 4,387 | 14 | 3 | ... | 200 | 0 | 0 | 3,101 | 10 | 3 | 3 | 1 | 0 | ... | ... | ... | 1,533 | 7 | 1 | 253 | 13 | 7 | 288 | 10 | 8 | 5,180 | 10 | 7 |
| Isolation Hospital | 364 | ... | 8-03 | ... | 14-81 | ... | ... | ... | ... | 5,285 | 10 | 5 | 3,013 | 3 | 10 | 233 | 7 | 4 | ... | ... | ... | 120 | 6 | 6 | 1,578 | 8 | 9 | 340 | 0 | 5,285 | 10 | 5 | |
| Chintadripet Dispensary | ... | 33,876 | ... | 266-67 | ... | ... | ... | ... | ... | 3,767 | 1 | 8 | 2,054 | 9 | 8 | ... | ... | 981 | 5 | 8 | ... | ... | ... | 731 | 2 | 4 | ... | ... | 3,767 | 1 | 8 | | |
| Raja Sir Rameswamy Madalar Maternity Hospital | 1,269 | 838 | 21-27 | 3-87 | 1-81 | 932 | 14 | 7 | 300 | 0 | 0 | 15,701 | 9 | 2 | 3,023 | 6 | 4 | 2,466 | 0 | 9 | ... | ... | ... | ... | ... | 4,541 | 0 | 8 | 6,904 | 0 | 16,984 | 7 | 9 |
| Kalyani Hospital | 462 | 9,192 | 1-3 | 25-2 | 0-9 | 5,318 | 9 | 3 | 630 | 0 | 0 | 4,275 | 12 | 1 | 787 | 8 | 0 | 192 | 9 | 2 | ... | ... | ... | ... | ... | 1,375 | 4 | 11 | 40 | 14 | 6,672 | 0 | 8 |
| Sri Kanyaka Parameswari Devasthanam Ayurvedic Dispensary | ... | 25,727 | ... | 166-24 | ... | 2,563 | 8 | 3 | ... | 1,000 | 0 | 0 | 1,935 | 14 | 7 | ... | ... | ... | ... | ... | 687 | 8 | 3 | 280 | 6 | 6 | 159 | 11 | 0 | 3,063 | 8 | 3 | |

REPORT ON THE GENERAL CONDITIONS OF THE CITY OF MADRAS WITH
REGARD TO MALARIA AT THE END OF 1914.

Captain Hodgson, I.M.S., was Special Malaria Officer from the commencement of the year to 19th September 1914 when he was called for active service and Captain Russell, I.M.S., conducted the anti-malarial operations till the close of the year.

1. *Malarial Survey.*

(a) *Spleen Index.*—The census of spleen rate in children under 10 years of age started in December 1913 in order to determine which parts of Madras were most severely affected by malaria, was completed during the year. The following figures show the number of children examined and the percentage of children with a splenic enlargement:—

| Division. | Total No. examined. | No. with enlarged spleen. | Percentage. | |
|--|---------------------|---------------------------|-------------|-------|
| Tondiarpet ... | 1 | 1,587 | 270 | 17·01 |
| | 2 | 3,811 | 680 | 17·84 |
| | 3 | 486 | 147 | 30·24 |
| George Town. | 4 | 1,265 | 93 | 7·35 |
| | 5 | 1,988 | 149 | 7·49 |
| | 6 | 2,435 | 273 | 11·21 |
| | 7 | 4,224 | 378 | 8·94 |
| | 8 | 2,295 | 227 | 9·89 |
| | 9 | 1,794 | 120 | 6·68 |
| Perambur, Pursawakam and Vepery. | 10 | 973 | 77 | 7·91 |
| | 11 | 4,658 | 151 | 3·25 |
| | 12 | 1,987 | 116 | 5·83 |
| 13 | 1,062 | 7 | 0·65 | |
| 14 | 342 | 8 | 2·33 | |
| 15 | 596 | 6 | 1·00 | |
| 16 | 2,764 | 220 | 7·96 | |
| Triplicane, Royapettah & Mylapore. | 17 | 1,292 | 22 | 1·70 |
| | 18 | 770 | 19 | 2·47 |
| | 19 | 1,417 | 123 | 8·68 |
| 20 | 89 | 3 | 3·37 | |

It will be seen from the above that the parts of Madras affected most are Tondiarpet, George Town, Vepery, Pursawakam and Mylapore. It may be said at present that Egmore and Nungambakam are apparently free. The apparent high index of George Town is probably to be attributed to the greater incidence of kala-azar cases in that area, and in the usual way in which the splenic index is taken, it is inevitable that the two diseases get mixed up. This observation is strengthened by the statistics showing the number of malaria cases treated daily and monthly in the three malaria dispensaries in the City. In the current year 1915, it is proposed to compare these figures with those obtained by a simultaneous survey of spleen rate and the parasite rate. A special chart of the splenic index percentage in the several divisions of Madras has been already submitted by Captain Hodgson with his observations.

(b) *Mosquito Survey*.—The topographical survey of all wells, tanks and ponds was finished during the year and these are being plotted into permanent books. Survey of the breeding places of anopheline mosquitoes was completed and these are also being marked into the permanent books. The several varieties of mosquitoes which were bred out in the laboratory from larvae collected from ponds, tanks and wells are as follows:—

A. Rossii, A. Barbirostris, A. Fuliginosus, A. Culicifacies, A. Listoni, A. Ludlowi, A. Jamesi, A. Nigerrimus and A. Stephensii. A. Stephensii is the chief mosquito breeding in the domestic wells of Madras.

Adult mosquitoes were caught, and next to A. Rossi a non-malaria carrier A. Culicifacies was by far the most common mosquito obtained among the malaria-carrying species. A. Ludlowi, A. Stephensii, A. Jamesi, A. Fuliginosus, A. Listoni and A. Nigerrimus were obtained as well although in smaller numbers. 98 mosquitoes were dissected during the end of the year with a view to demonstrate the malaria-carrying mosquito in Madras by finding the sporozirts in the salivary glands but not one has as yet showed a positive result. This work is being continued and the results will be noted in subsequent reports.

2. *Anti-Malarial Measures.*

(1) *Cleaning of Wells and Tanks*.—All tanks and wells in Mylapore and Pursawakam were cleaned once and those in Tondiarpet thrice during the year. As has been already pointed out, the system of getting each owner to clean his own tank was found most unsatisfactory in almost every case and legal proceedings ending in the conviction of the defaulter by a meagre fine of from annas 4 to Rs. 2, resulted in the owner proposing to pay the fine and do nothing. This work was undertaken by the Corporation by the appointment of a number of cooly gangs under an out-door assistant and is being carried out regularly and thoroughly. The following is the total number of tanks and wells cleaned and recleaned:—

| | | | Number of Tanks & Ponds. |
|------------|-----|-----|--------------------------|
| Tondiarpet | ... | ... | 323 |
| Pursawakam | ... | ... | 26 |
| Mylapore | ... | ... | 46 |

(2) *Oiling*.—Petrolising tanks and stagnant pools and disused wells was continued regularly once a week in all the three affected divisions :—

| | | | Tanks, Ponds & Pools. |
|------------|-----|-----|-----------------------|
| Tondiarpet | ... | ... | 422 |
| Pursawakam | ... | ... | 230 |
| Mylapore | ... | ... | 119 |
| Perambur | ... | ... | 15 |

Besides, the Ottary nullah, Madavakam tank, Spur tank and portions of the Cooum were cleaned and the tanks of Chepauk were once cleaned by this department.

(3) *Fish introduction into wells*.—Covering of wells with a wire gauze top was found unsatisfactory if not valueless in almost every instance and this form of covering has been done away with. The introduction into the wells of the common larvicidal fish was carried out during the year and 5510 wells were so treated with fairly good results, that is, anopheles larvae that were found breeding in wells disappeared after the introduction of these fish into them. A special report about this will be submitted shortly.

(4) *Reclamation*.—An out-door assistant and two malaria supervisors were appointed to be in charge of this work and 4 motor lorries were purchased by the Corporation. These were worked from June 1914 before which the work of filling was done by hand-carts of the Health Department.

| Place. | No. Filled. | Quantity of Earth-work done. |
|-------------|--|------------------------------|
| Tondiarpet | ... 34 tanks | ... 9,92,517 cubic feet. |
| Purasawakam | ... 3 tanks and 2 lowlands... | 1,66,661 do. |
| Mylapore | ... 2 big tanks and one big lowland | ... 1,61,954 do. |

Only such places as were shallow and completely disused were selected for reclamation work.

(5) *Drainage*.—The drainage scheme for dealing with the water-logged area belonging to Government and private owners in Pursawakam could not be undertaken for want of an efficient Engineer. This work has, under recent Government orders, been put into execution by the Special Engineer assisted by a Special Assistant Engineer of the Corporation.

3. *Treatment*.—Statement II gives the figures of cases of malaria treated in dispensaries and by nurses.

Dispensaries.—In Tondiarpet three dispensaries continued working during the whole year and the total number of cases treated is 40,038 as against 50,564 in 1913. In Purasawakam a malaria dispensary was opened only in May 1914 and worked for the rest of the year treating 23,949 cases.

Nurses.—Five nurses were working in Tondiarpet during the whole year and 40,390 cases were treated by them as against 30,806 in 1913 during which year six nurses were employed there from May till October and four from October to the end of the year.

In Purasawakam in 1913 one nurse only was working from October to the end of December and she treated 959 cases. This nurse continued by herself till May 1914 when a second was appointed so that between May and December 1914 two nurses were working in this division and they attended to 18,422 cases.

In Mylapore only one nurse was engaged from October 1913 to March 1914 when a second nurse was appointed so that between October and December 1913 only 1,121 cases were treated and during 1914 the number of cases treated is 18,306.

In making a comparative study of these figures it must be noted that the number of nurses appointed and posted to the several divisions varied from time to time according to the conditions of malarial fevers in these localities, and the number, working in a division, was not the same in all parts of the year. Again there was no dispensary in Purasawakm in 1913 and until May 1914. It would therefore be necessary to work out a proportion on these figures and to make comparisons of periods where equal facilities were offered for medical attendance. In this way it will be seen that the number of cases of malaria admitted into dispensaries and treated by nurses is less in 1914 than in 1913.

Concluding Remarks.—The deaths from all fevers including malaria in 1914 was 3,453 as against 3,831 in 1913 and the malarial mortality for 1914 is 2,658 as against 2,788 in 1913. From this and what has been already said in the last paragraph, conclusions regarding the efficacy or otherwise of the anti-malarial measures now in operation have to be drawn and in doing so the following conditions have to be noted :—

(1) In the City of Madras, as in other parts of India, there are in the year two seasons for malaria—an *autumnal season* in November, December and January and a *spring season* in March, April and May. All fresh infections occur between middle of October and middle of April. It is therefore fallacious to compare the quiescent period of one year with the virulent period of the other year or *vice versa*. Appended are the *charts prepared to show the monthly comparative mortality as well as the seasonal variations above referred to.

(2) Malaria, except in very virulent epidemics, runs a rather chronic course and disables the victim for varying periods before it kills him. Hence the figure for malarial admissions is, in a sense, a more valuable indicator of the increase or decrease of malaria than the figure for malarial mortality.

(3) A number of people from villages just beyond the municipal limits resort to malaria dispensaries close by, as for example, the people from Tangal just beyond the northern limits to the Dhobipet dispensary: this number has, strictly speaking, to be deducted from the total admissions; in any case it is permissible to say that the above figures certainly do not underestimate the incidence of malaria.

(4) The severe outbreak of cholera in the winter months of 1914 just at the very period when malaria shows its marked seasonal rise, is an important disturbing factor to be counted upon.

* These are not printed.

(5) Taking the specially malaria-stricken districts seriatim, *Tondiarpet* showed a gradual increase in the number of cases treated during the last quarter of 1914, but in no time was there any severe or sudden epidemic. It is rather suggestive to note that many of the admissions are from in and around the weavers' quarters and that one species of malaria-carrying mosquitoes, *viz.*, *An. Stephensi* shows a great partiality to the stagnant water of the so called "dyeing pots," that is, mud pots buried underground and reaching flush with the level of the surrounding ground and used, *once in a way*, for the purpose of preparing solution of dyes but allowed to contain stagnant water for the remaining portions of the year. These have been departmentally oiled now and again but the result is not satisfactory. The only satisfactory way of dealing with these is to bale out the water and keep them dry. It is trusted the nuisance can be tackled by the Health Officer who has accordingly been requested to help this department in this direction.

The same remarks apply with equal force in the case of paddy pots in this division.

George Town.—The area near Wall-tax Road and that facing General Hospital and Fort seem to be the zones specially affected and in all probability the very unsatisfactory condition of the Buckingham Canal in this region and especially of the 'old moat' in the Salt Depot is mainly responsible. (A special report on this is under preparation).

Mylapore.—There was little or no tendency to increase during the year.

Vepery and Choolai.—From a malarial standpoint these are only important as being contiguous to the severely affected area of Pursawakam.

Pursawakam.—There was a severe outbreak of malaria in the second quarter of 1914 and although the number of cases was very great in the division, the outbreak fortunately occurred in the spring and not in the autumn, so most of the cases were benign tertian malaria and few people died. Besides the opening of a malaria dispensary and the appointment of an extra nurse in May 1914—have helped us a great way in cutting short the outbreak. We may have to face such sharp outbreaks of malaria here in its present water-logged condition, especially until the drainage scheme now in hand is worked out and put into operation. On the whole, it will be noticed that the anti-malarial operations have only just begun and a good lot more remains yet to be done; nevertheless it is encouraging to note that not only has the number of attacks (as roughly judged by the admission to the Corporation dispensaries) diminished during the year under review but the total malaria mortality also shows a decrease. It is confidently hoped that when the anti-malaria measures are all complete, the scourge of malaria will disappear from Madras once and for ever.

K. RAGHAVENDRA ROW,

B.A., M.B. & C.M.,

Special Malaria Officer, Corporation of Madras.

26th May 1915.

Statement showing the expenditure under various headings for the year 1914.

| Months. | Cost of Lorries. | | | Establishment. | | | Amount spent for filling, cost of petrol and repairs to lorries. | | | Oiling, Cleaning, Fishermen, Mosquito Catchers, Process Servers, Bush-Cutting, Survey Lascars, Fitters and Coolies, cost of Liquid Fuel. | | | Laboratory Equipments, Cost of Stationery and Printing. | | | Contingencies, rent of buildings, Census, etc., and Drainage. | | | Total. | | | |
|-----------|------------------|--------|-----|----------------|----|----|--|----|----|--|----|----|---|----|----|---|----|----|--------|----------|----|----|
| | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| January | ... | Nil. | | 5,080 | 8 | 10 | 1,936 | 5 | 6 | 394 | 4 | 1 | 181 | 4 | 6 | 149 | 6 | 6 | 7,741 | 8 | 5 | |
| February | ... | 12,207 | 8 0 | 3,769 | 10 | 6 | 3,240 | 5 | 2 | 465 | 9 | 2 | 240 | 15 | 5 | 1,396 | 2 | 1 | 21,320 | 2 | 4 | |
| March | ... | 12,207 | 8 0 | 4,912 | 4 | 8 | 7,116 | 4 | 5 | 650 | 1 | 3 | 303 | 0 | 4 | 3,704 | 2 | 6 | 28,893 | 5 | 2 | |
| April | ... | Nil. | | 4,824 | 11 | 11 | 2,226 | 3 | 4 | 4,983 | 5 | 10 | 241 | 5 | 1 | 1,835 | 14 | 1 | 14,111 | 8 | 3 | |
| May | ... | Nil. | | 4,537 | 0 | 8 | 2,279 | 9 | 10 | 6,320 | 11 | 2 | Nil. | | | 3,223 | 4 | 4 | 16,360 | 10 | 0 | |
| June | ... | 24,415 | 0 0 | 5,026 | 2 | 2 | 2,845 | 13 | 11 | 7,263 | 5 | 9 | 3 | 0 | 0 | 347 | 7 | 1 | 39,900 | 12 | 11 | |
| July | ... | Nil. | | 5,873 | 11 | 2 | 2,924 | 14 | 8 | 5,960 | 5 | 2 | 817 | 4 | 4 | 2,321 | 5 | 5 | 17,897 | 8 | 9 | |
| August | ... | Nil. | | 5,623 | 9 | 11 | 2,778 | 6 | 4 | 6,757 | 5 | 11 | 254 | 4 | 2 | 6,234 | 6 | 11 | 21,648 | 1 | 3 | |
| September | ... | Nil. | | 6,218 | 11 | 8 | 3,860 | 0 | 6 | 6,167 | 9 | 6 | 10 | 0 | 0 | 3,345 | 2 | 11 | 19,601 | 8 | 7 | |
| October | ... | Nil. | | 4,142 | 4 | 3 | 6,762 | 1 | 9 | 4,236 | 13 | 1 | 267 | 5 | 8 | 3,507 | 4 | 9 | 18,915 | 13 | 6 | |
| November | ... | Nil. | | 4,393 | 9 | 6 | 7,034 | 9 | 2 | 3,990 | 5 | 11 | 432 | 1 | 1 | 1,763 | 1 | 3 | 17,613 | 10 | 11 | |
| December | ... | Nil. | | 4,959 | 8 | 9 | 5,783 | 3 | 0 | 3,787 | 12 | 9 | 93 | 14 | 5 | 1,137 | 6 | 11 | 15,761 | 13 | 10 | |
| | | | | | | | | | | | | | | | | | | | Total | 2,39,766 | 7 | 11 |

ii
Statement showing the number of cases of Malaria treated in the Malaria Dispensaries in Tondiarpet and in Purasawakam and by the Nurses appointed for the purpose in 1913 and 1914.

| Place. | Years. | January. | Febry. | March. | April. | May. | June. | July. | August. | Septem-ber. | October. | Novem-ber. | Decem-ber. | Total. |
|---|--------|----------|--------|--------|--------|-------|-------|-------|---------|-------------|----------|------------|------------|--------|
| (a) 1st, 2nd and 3rd Malaria Dispensaries | 1913 | ... | 7,617 | 11,368 | 7,152 | 5,551 | 3,574 | 2,302 | 2,681 | 2,216 | 2,848 | 2,248 | 3,007 | 50,564 |
| | 1914 | 3,076 | 3,224 | 3,348 | 2,705 | 2,309 | 1,654 | 2,439 | 2,984 | 3,584 | 4,558 | 5,199 | 4,958 | 40,038 |
| (b) Nurses | 1913 | ... | ... | ... | ... | 2,683 | 5,598 | 5,458 | 6,966 | 4,880 | 1,332 | 1,771 | 2,118 | 30,806 |
| | 1914 | 2,546 | 2,923 | 4,732 | 2,897 | 2,788 | 2,866 | 3,585 | 3,097 | 2,794 | 3,352 | 3,632 | 5,178 | 40,390 |
| Purasawakam (a) Dispensary | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1914 | ... | ... | ... | ... | 3,866 | 5,226 | 3,033 | 2,238 | 2,471 | 1,982 | 2,339 | 2,794 | 23,949 |
| (b) Nurses | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 145 | 445 | 369 | 959 |
| | 1914 | 240 | 223 | 581 | 704 | 2,428 | 2,635 | 2,678 | 2,058 | 1,779 | 1,924 | 1,565 | 1,607 | 18,422 |
| Mylapore Nurses | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 180 | 319 | 622 | 1,121 |
| | 1914 | 1,079 | 627 | 1,387 | 1,599 | 1,835 | 1,572 | 1,021 | 965 | 1,689 | 1,756 | 2,499 | 2,277 | 18,306 |

The figures represent the totals of new and the old cases treated every month at the dispensaries and by the nurses.

| No. | Date | Particulars | Debit | Credit | Balance |
|-----|------|-------------|-------|--------|---------|
| 1 | 1880 | Jan 1 | | | |
| 2 | 1880 | Jan 1 | | | |
| 3 | 1880 | Jan 1 | | | |
| 4 | 1880 | Jan 1 | | | |
| 5 | 1880 | Jan 1 | | | |
| 6 | 1880 | Jan 1 | | | |
| 7 | 1880 | Jan 1 | | | |
| 8 | 1880 | Jan 1 | | | |
| 9 | 1880 | Jan 1 | | | |
| 10 | 1880 | Jan 1 | | | |
| 11 | 1880 | Jan 1 | | | |
| 12 | 1880 | Jan 1 | | | |
| 13 | 1880 | Jan 1 | | | |
| 14 | 1880 | Jan 1 | | | |
| 15 | 1880 | Jan 1 | | | |
| 16 | 1880 | Jan 1 | | | |
| 17 | 1880 | Jan 1 | | | |
| 18 | 1880 | Jan 1 | | | |
| 19 | 1880 | Jan 1 | | | |
| 20 | 1880 | Jan 1 | | | |
| 21 | 1880 | Jan 1 | | | |
| 22 | 1880 | Jan 1 | | | |
| 23 | 1880 | Jan 1 | | | |
| 24 | 1880 | Jan 1 | | | |
| 25 | 1880 | Jan 1 | | | |
| 26 | 1880 | Jan 1 | | | |
| 27 | 1880 | Jan 1 | | | |
| 28 | 1880 | Jan 1 | | | |
| 29 | 1880 | Jan 1 | | | |
| 30 | 1880 | Jan 1 | | | |
| 31 | 1880 | Jan 1 | | | |
| 32 | 1880 | Jan 1 | | | |
| 33 | 1880 | Jan 1 | | | |
| 34 | 1880 | Jan 1 | | | |
| 35 | 1880 | Jan 1 | | | |
| 36 | 1880 | Jan 1 | | | |
| 37 | 1880 | Jan 1 | | | |
| 38 | 1880 | Jan 1 | | | |
| 39 | 1880 | Jan 1 | | | |
| 40 | 1880 | Jan 1 | | | |
| 41 | 1880 | Jan 1 | | | |
| 42 | 1880 | Jan 1 | | | |
| 43 | 1880 | Jan 1 | | | |
| 44 | 1880 | Jan 1 | | | |
| 45 | 1880 | Jan 1 | | | |
| 46 | 1880 | Jan 1 | | | |
| 47 | 1880 | Jan 1 | | | |
| 48 | 1880 | Jan 1 | | | |
| 49 | 1880 | Jan 1 | | | |
| 50 | 1880 | Jan 1 | | | |
| 51 | 1880 | Jan 1 | | | |
| 52 | 1880 | Jan 1 | | | |
| 53 | 1880 | Jan 1 | | | |
| 54 | 1880 | Jan 1 | | | |
| 55 | 1880 | Jan 1 | | | |
| 56 | 1880 | Jan 1 | | | |
| 57 | 1880 | Jan 1 | | | |
| 58 | 1880 | Jan 1 | | | |
| 59 | 1880 | Jan 1 | | | |
| 60 | 1880 | Jan 1 | | | |
| 61 | 1880 | Jan 1 | | | |
| 62 | 1880 | Jan 1 | | | |
| 63 | 1880 | Jan 1 | | | |
| 64 | 1880 | Jan 1 | | | |
| 65 | 1880 | Jan 1 | | | |
| 66 | 1880 | Jan 1 | | | |
| 67 | 1880 | Jan 1 | | | |
| 68 | 1880 | Jan 1 | | | |
| 69 | 1880 | Jan 1 | | | |
| 70 | 1880 | Jan 1 | | | |
| 71 | 1880 | Jan 1 | | | |
| 72 | 1880 | Jan 1 | | | |
| 73 | 1880 | Jan 1 | | | |
| 74 | 1880 | Jan 1 | | | |
| 75 | 1880 | Jan 1 | | | |
| 76 | 1880 | Jan 1 | | | |
| 77 | 1880 | Jan 1 | | | |
| 78 | 1880 | Jan 1 | | | |
| 79 | 1880 | Jan 1 | | | |
| 80 | 1880 | Jan 1 | | | |
| 81 | 1880 | Jan 1 | | | |
| 82 | 1880 | Jan 1 | | | |
| 83 | 1880 | Jan 1 | | | |
| 84 | 1880 | Jan 1 | | | |
| 85 | 1880 | Jan 1 | | | |
| 86 | 1880 | Jan 1 | | | |
| 87 | 1880 | Jan 1 | | | |
| 88 | 1880 | Jan 1 | | | |
| 89 | 1880 | Jan 1 | | | |
| 90 | 1880 | Jan 1 | | | |
| 91 | 1880 | Jan 1 | | | |
| 92 | 1880 | Jan 1 | | | |
| 93 | 1880 | Jan 1 | | | |
| 94 | 1880 | Jan 1 | | | |
| 95 | 1880 | Jan 1 | | | |
| 96 | 1880 | Jan 1 | | | |
| 97 | 1880 | Jan 1 | | | |
| 98 | 1880 | Jan 1 | | | |
| 99 | 1880 | Jan 1 | | | |
| 100 | 1880 | Jan 1 | | | |

APPENDIX VI.

Description of the opening of the Madras Water-works as given in the
"Madras Mail" of 18th December 1914.

THE MADRAS WATER-WORKS.

OPENED BY HIS EXCELLENCY THE GOVERNOR.

Yesterday evening His Excellency the Governor performed the interesting ceremony of inaugurating the New Water-works at Kilpauk. The ceremony was attended by a very large gathering of the citizens of Madras, whose presence in such numbers bore ample testimony to their appreciation of the labours of the Special Works Department of the Corporation of Madras in completing the most important part of the new water-supply scheme, which is destined to give the populace a more copious and a purer supply of water than it has been hitherto accustomed to get from the Red Hills Lake. The public was, moreover, enabled to take a more intelligent interest in the proceedings of the evening by the forethought which prompted Mr. J. W. Madeley, the Special Engineer, to furnish it with excellent photographs, giving a general view of the water-works at Kilpauk, and with plans showing the general arrangement of the filters, pure water tanks, the pumping station and the elevated tank, drawn to scale. In addition to these, Mr. Madeley issued an interesting booklet, containing a description of the new works, illustrated by photographs, which will form a most acceptable souvenir of an interesting and memorable function. A special copy of this publication, bound in leather and printed on high-class art paper, was presented to His Excellency.

Among those present were the Hon'ble Sir Harold Stuart, the Hon'ble Mr. P. S. Sivaswamy Iyer, the Hon'ble Sir Francis Spring, the Hon'ble Sir Hugh and Lady Fraser, the Hon'ble the Rev. G. Pittendrigh, Mr. and Mrs. S. D. Pears, the Bishop of Mylapore, the Ven'ble Archdeacon Cox, the Hon'ble Mr. and Mrs. F. H. M. Corbet, the Hon'ble Mr. F. B. Tyabji, Mrs. Besant, Major and Mrs. Elwes, Mrs. Whitehead, Colonel W. Molesworth, Mrs. Molesworth, Mr. E. W. Middlemast, Mr. and Mrs. C. H. Higginbotham, Mr. J. F. Simpson, Dewan Bahadur C. Krishnan, Dewan Bahadur M. Audinarayanah, Mr. W. H. Hutton and Mr. and Mrs. F. W. Armitage. There were also present all the Municipal Commissioners with their families besides the Engineers and staffs of both the Special Works Department and the Corporation.

His Excellency The Governor and Lady Pentland, accompanied by Mr. C. B. Cotterell, I. C. S., Private Secretary, Captain C. J. L. Allanson, Military Secretary, and Captain Money, A.-D.-C. arrived at the works shortly after 4 P.M. and were received by Mr. E. S. Lloyd, I. C. S., the Acting President, and Mrs. Lloyd, and Mr. and Mrs. J. W. Madeley, and conducted to the open space between the pumping station and the elevated water tank, where Their Excellencies, with the Hon'ble Sir Harold Stuart, the

Hon'ble Mr. Sivaswamy Iyer and the Municipal Commissioners were photographed by Mr. Burke, who also took several snapshots of the works and of the inaugural ceremony. This preliminary over, Their Excellencies were conducted to the southern side of the pumping station, where a well decorated pandal was put up and a temporary platform installed for the accommodation of Their Excellencies and the Municipal Commissioners. The general public were accommodated in the open on either side of a new fountain, which had been specially put up to signalise the opening of the new works. In front of His Excellency's chair a wheel had been placed in position, which was to be utilised for performing the function of the evening.

THE ACTING PRESIDENT'S SPEECH.

After Their Excellencies had taken their seat, Mr. E. S. Lloyd delivered the following speech, and presented His Excellency with the illustrated booklet describing the Water-works :—

YOUR EXCELLENCY, LADIES AND GENTLEMEN.—Before Your Excellency proceeds to perform the ceremony for which we have met this afternoon, I request that I may be permitted to give a brief description of the existing water-supply of Madras, and explain what is meant by the term "New Water-works." The water-supply of Madras was for many years obtained solely from wells. Such a supply was naturally subject to pollution, and caused many complaints. Numerous schemes were suggested to provide a remedy, and eventually the works, which for the last 40 years or thereabouts have given the City its drinking water, were undertaken as part of a project designed by Government for bunding up the Corteliar River and its tributaries, and storing their supply in what are known as the Red Hills and Cholavaram Tanks. This supply was partly needed for irrigation, and the work in connection with the tanks was carried out wholly by Government.

The water-supply part of the project consisted in the construction of an unlined open channel from the Red Hills Tank—the lower of the two abovementioned—and the taking of the water by this means for a distance of about $6\frac{1}{2}$ miles to a masonry shaft at Kilpauk, from which lead the cast-iron mains by which the water is distributed throughout the City. This was a Corporation undertaking, the Executive Engineer in charge being Mr. Standish Lee. The works were opened by Lord Napier and Ettrick, on the 13th May 1872, but the distributory works were not completed till the end of 1874 when the expenditure amounted to Rs. 14,30,000. Subsequent extension and cleaning of the water pipes involved an additional expenditure of Rs. 8,70,000, so that the total amounted to Rs. 23 lakhs, which sum was raised by loans. Of this Rs. 16,57,700 had been repaid or covered by a sinking fund by the 31st March 1914, leaving a balance of Rs. 6,42,300 still to be repaid.

Almost as soon, however, as the works had been completed, faults were discovered, and in 1877, Mr. J. A. Jones, the then Municipal Engineer, prepared a scheme which would provide an off-take from the Red Hills at a lower level, a closed pipe line to Madras and pumping and filtering works. The Municipality, however, was not in a position to carry out these works, and the matter was

allowed to lie over. In August 1891, Mr. Cousins was brought out from England to report on the water-supply of Madras, amongst other improvements. He submitted his Report in 1893. The Corporation considered the question of accepting Mr. Cousins' scheme with some modifications, and in 1897 decided to submit a rough estimate amounting to Rs. 16 lakhs. Government called for detailed plans and estimates, and in November, 1903, the Corporation requested that the Sanitary Engineer might be directed to prepare a final and completed scheme. By G. O. No. 1869 M., dated the 3rd November, 1904, Mr. H. Nowroji, the Assistant Sanitary Engineer to Government, was placed on special duty for the purpose of revising, under the supervision of the Sanitary Engineer, the plans and estimates for the water-supply of Madras. Mr. Nowroji's report was sanctioned by G. O. No. 304 W., dated the 11th March, 1907, and in G. O. No. 609 M., dated the 22nd March, 1907, Government communicated Mr. Nowroji's scheme for the normal acceptance by the Corporation, and also forwarded a note from the Chief Engineer to Government, recommending the appointment of a Chief Engineer to take charge of the whole of the Engineering branch of the Corporation. The Corporation decided to appoint a Special Engineer in charge of the Water and Drainage Works, and the Secretary of State appointed Mr. J. W. Madeley for this purpose. He took up his duties in December, 1907.

The water-works now inaugurated are based on Mr. Nowroji's scheme, and his designs, only slightly modified by Mr. Madeley, have been carried out for the conduit, filter beds and pure water tanks. With reference to the Elevated Tank and Pumping Station, Mr. Nowroji made some general proposals, but these were not accepted by the Government, though lump-sum provisions were included in the sanctioned estimates. These works have been designed by the Special Engineer. Mr. Nowroji also prepared a scheme for the improvement of the water distribution system. This was revised by Mr. Madeley to such an extent that the present scheme may be considered distinct from that proposed by Mr. Nowroji.

The chief faults of the old scheme were as follows :—(1) The lake is tapped at so high a level that in a dry year the surface of the water in the lake is lowered for considerable periods below the take-off, and pumping becomes necessary to raise the water into the channel, though there is still plenty of water in the lake below the take-off level. This occurs about every other year. (2) By evaporation and by percolation through its bund the channel loses a large proportion of the water that enters it from the Red Hills Tank. (3) The channel will not carry enough water to supply the increasing requirements of Madras. (4) The channel is liable to contamination by persons bathing in it, or throwing things into it, by cattle that find their way to it in spite of the Corporation patrol, and, lastly, by the coolies who are in it every day cutting the quick-growing weeds which thrive in the slowly moving water. (5) There is the constant danger of the breach of the channel sides. Minor slips frequently occur, and a complete failure of the channel such as would deprive Madras of its only water-supply is felt by the Corporation Engineers to be a very real danger against which they are constantly on guard. Such a slip during the recent rains reduced the water-supply to the city for several days. (6) There are no filters. (7) The distribution system is defective in that

it is incapable of supplying water to consumers either sufficient in quantity or adequate in pressure.

To remedy the above mentioned faults the following new works have been undertaken :—(a) An in-take tower located at a point where the water of the lake is deep. (b) A roughing filter at the Red Hills to remove the grosser impurities. (c) A new underground conduit to replace the existing open channel. (d) Sand filters to purify the water. (e) Pure water tanks to store the filtered water. (f) Pumps to impart to the water an adequate pressure. (g) An elevated tank to ensure the maintenance of a steady pressure in the mains. (h) The remodelling, alteration and extension of the distribution system so as to provide all the inhabitants of Madras with an adequate quantity of water under sufficient pressure. Of these works, the in-take tower, roughing filter, conduit, filter-beds, pure water tanks, the two principal mains, and a number of the most urgently required subsidiary mains have been completed. Works still remaining to be done consist of :—(1) The completion of filling the filter-beds with filtering materials. (2) The laying of subsidiary mains and distributory pipes. (3) The installation of waste water detection meters. The completion of these works is delayed, owing to the decision of the Corporation to defer entering into contracts for large quantities of materials during the uncertainty which now prevails in consequence of the war.

As soon as the Works are opened, the following benefits should be immediately obtained :—(1) A large supply of water will be available. (2) The water will be much purer. (3) The pressure throughout the whole of the distribution system will be increased, though, owing to the bad state of some of the existing mains, it may not be possible to bring the full pressure to bear upon every existing main and house fitting at the start. (4) In consequence of the increased pressure, the supply will be immediately improved in those districts where scarcity is greatest. In Mylapore, benefit has already been obtained owing to putting into use the new 30-inch southern main, and water can now be drawn from certain fountains which previously were dry.

Before construction was commenced the question of the agency by which the Water-works should be carried out was very carefully considered and it was eventually decided that work should be divided into small sections, so that it might be executed by local contractors. This was thought preferable to importing outside contractors with up-to-date plant, machinery and methods of construction, such as are used in Europe. It insured that the money spent on the work should, as far as possible, be paid to local firms, and, further, it was considered that the work would be done more cheaply, although the time taken would probably be longer. The results have confirmed these anticipations, and the employment of local contractors has been justified in so far as the cost has been kept low ; but, on the other hand, the rate of progress has been much less than it would have been, if some large European firm had been entrusted with the whole of the works.

The total cost of the works will be about Rs. 63 lakhs, of which works to the value Rs. 42 lakhs have been completed. The remaining Rs. 21 lakhs are almost wholly required for the purchase of cast-iron pipes which will be obtained

out of India, and had it not been for the delay owing to the war, these pipes would now be in course of delivery.

The following is the superior staff employed under the Special Engineer :—*Assistant Water-works Engineer*—Mr. H. Nowroji, in charge of design and construction of conduit, filter-beds, and pure water tanks. He left on the 30th November, 1912. *Acting Assistant Water-works Engineer*—Mr. T. A. Pereira, in charge of the completion of fitter and construction of masonry work of elevated tank and pumping station. *Mechanical Engineer*—Mr. F. Newland, engaged for part of his time on design and erection of pumping plant and elevated tank. *Assistant Water-works Engineer*—Mr. F. A. Adlard, in charge of new water-supply distribution system from the 30th November 1912, to the 21st November 1914.

I conclude with some general remarks. I need not, I think, take up Your Excellency's time with a detailed statement of the actual cost of the several works, as compared with the estimated cost. Your Excellency will, however, be glad to learn that the total cost of the completed works is below the estimate, and in some particulars this is very noticeably the case. Thus, for instance, the conduit, perhaps the most difficult work of all, has cost only Rs. 6,07,025, as against an estimate of Rs. 6,80,000, and the filtered water reservoirs have cost only Rs. 1,51,786, as against an estimate of Rs. 2,83,000. The principal contractor Mr. A. Subramania Iyer, is well-known to the Corporation of Madras. He has throughout a long life carried out successfully a large number of the more important Municipal contracts of the City. He has lately had a little difficulty in finishing sufficiently speedily the filling of the filter-beds, but, on the whole, he may justifiably be proud of his achievements in respect of his very large contracts for the new Water-works. He has been assisted by his son, Mr. Krishnaswamy Iyer, who, we trust, will carry on his father's business when he retires, equally to the satisfaction of the Corporation. I should like also to specially mention contractor Mr. M. Bashyam Naidu, who, I understand from Mr. Madeley, has done very good work. The large contract of the South India Industrials, Limited, in connection with the steel tank, etc., has been successfully performed, and the numerous firms with whom contracts for the supply of materials have been placed have met all requirements. The superior staff engaged has, I believe, been found generally satisfactory, a special word of praise being due to Mr. Pereira.

The principal credit for the completion of the Works is, however, of course due to Mr. Madeley, the Special Engineer. The new Water-works are the largest single undertaking hitherto carried out by the Corporation ; though they will be exceeded in magnitude by the new Drainage Works upon which Mr. Madeley is also engaged. We are all most deeply impressed by Mr. Madeley's skill and thoroughness, and I would ask Your Excellency to convey to him in suitable terms our profound admiration for the manner in which he has carried out his laborious and difficult task.

I should like also, on behalf of the Corporation, to express our gratitude to Your Excellency's Government for the very generous financial assistance accorded for these great Works. May I also be permitted, in conclusion, to say how proud I feel personally that it should be my good fortune to welcome Your

Excellency here to day to open works which were commenced during my former tenure of office as President of the Corporation ?

H. E. THE GOVERNOR'S REPLY.

His Excellency then rose amid loud applause and spoke as follows :—

President and Councillors of the Corporation, Ladies and Gentlemen—The history of the Madras Water-supply and the description of the new Works to be opened this afternoon have been given with great clearness by the President, and there is little that need be added by me. It must, I think, have become evident to you all from Mr. Lloyd's remarks that Madras has for 42 years been obliged to content itself with a water-supply system very inadequate to its need, a system which fell considerably short of the standards of modern sanitation ; and, further, that by the new supply scheme the Corporation is providing the town not only with a more copious flow of water, but, what is more essential, with water of a high degree of purity. The system which has supplied Madras for so long with its water, and which is now to be replaced, was, no doubt, a notable improvement on the supply from wells which Mr. Lloyd tells us was previously the only one available. But even within a few years of its construction people began to be dissatisfied with it, and perhaps the surprising thing is that it has been tolerated for so long. Its day is now over, and while we say good-bye to it without regret, we may, I think, recognise that in its time it has performed functions of no slight value to the public.

The essential features of the new Works are that the larger supply is to be taken from a deeper level, which will prevent the stirring up of mud in dry seasons ; that the water will not be exposed to contamination on its way to Madras ; that it will be filtered ; and, lastly, that it will be distributed under much higher pressure so that people who draw it will have a much shorter time to wait while their own or their neighbours' vessels are filling. These seem to me to be real advantages for which every house-holder, and indeed every inhabitant of Madras now and in years to come, should be suitably grateful.

As early as 1877, only five years after its installation, the question of improving the old water-supply system was first taken up, but it was dropped again till 1885, when it was carried a stage further. In 1880, a Committee was appointed to go into the subject, but no real advance was made until in 1903, when the President brought forcibly to public notice the urgent necessity of improving the City water-supply. Upon this Special Officer Mr. Nowroji was appointed to draw up a scheme, and it is his scheme which, we hear, forms the basis of the works that have now been constructed. Mr. Nowroji passed on to other duties two years ago, but we may none the less record our appreciation of his share in the work now completed ; and with Mr. Nowroji we may congratulate Messrs. Pereira, Newland and Adlard on the valuable contributions they have made, each in his own department, towards the final result which we are to set in operation to-day.

One point in Mr. Lloyd's speech struck me as being of special interest, namely, that the Corporation resisted the many attractions possessed by the plan

of employing a single large outside contractor for the whole scheme, and decided to have the work executed by a number of local contractors, each being in charge of a section of the whole. Apart from the advantage that the Corporation has been able in this way to give an important impetus to local enterprise, and to support and encourage local firms, their policy has secured an appreciable saving in the total cost of the scheme, a most satisfactory result. While all the contractors have done well, Mr. Lloyd has selected for special mention Mr. A. Subramania Iyer, Mr. M. Bashyam Naidu and the South India Industrials, and to them and to the remaining firms we may, I think, extend our congratulations.

The sectional contract system which has, as we have seen, resulted in so satisfactory a saving of cost, would not have been possible unless there had been at the head, co-ordinating and controlling the work of all, an officer of exceptional ability, skill and tact. All who know him will agree that the Corporation was fortunate in being able to secure the services of such an officer in Mr. Madeley. Since 1907 Mr. Madeley has been in charge of the Water-works construction, as well as the Drainage Works, and I undertake most willingly the pleasant duty which the President has asked me to perform, of conveying to Mr. Madeley the admiration of the Corporation and the warm appreciation of the general public of the energy and skill with which he has carried through his difficult and responsible task. Though to-day marks the completion of the principal part of the new Madras Water-works, we may, I think, congratulate ourselves that Madras is not in the near future to lose Mr. Madeley. That he will not suddenly take flight is assured by the fact that he has still to finish the drainage scheme, and partly also, perhaps, by the fact that he has most generously made a gift of his aeroplane to the War Office. (Applause.)

Ladies and Gentlemen, there remains nothing more for us to do before I declare the new Water-works open but to wish to them the success which the skill, labour and energy expended on their design and construction have earned ; to congratulate Mr. Lloyd on the coincidence of his temporary return to the Corporation with the completion of the work, the conception of which was also under his auspices ; and finally, to convey to the Corporation the general sense of gratitude for this great City improvement.

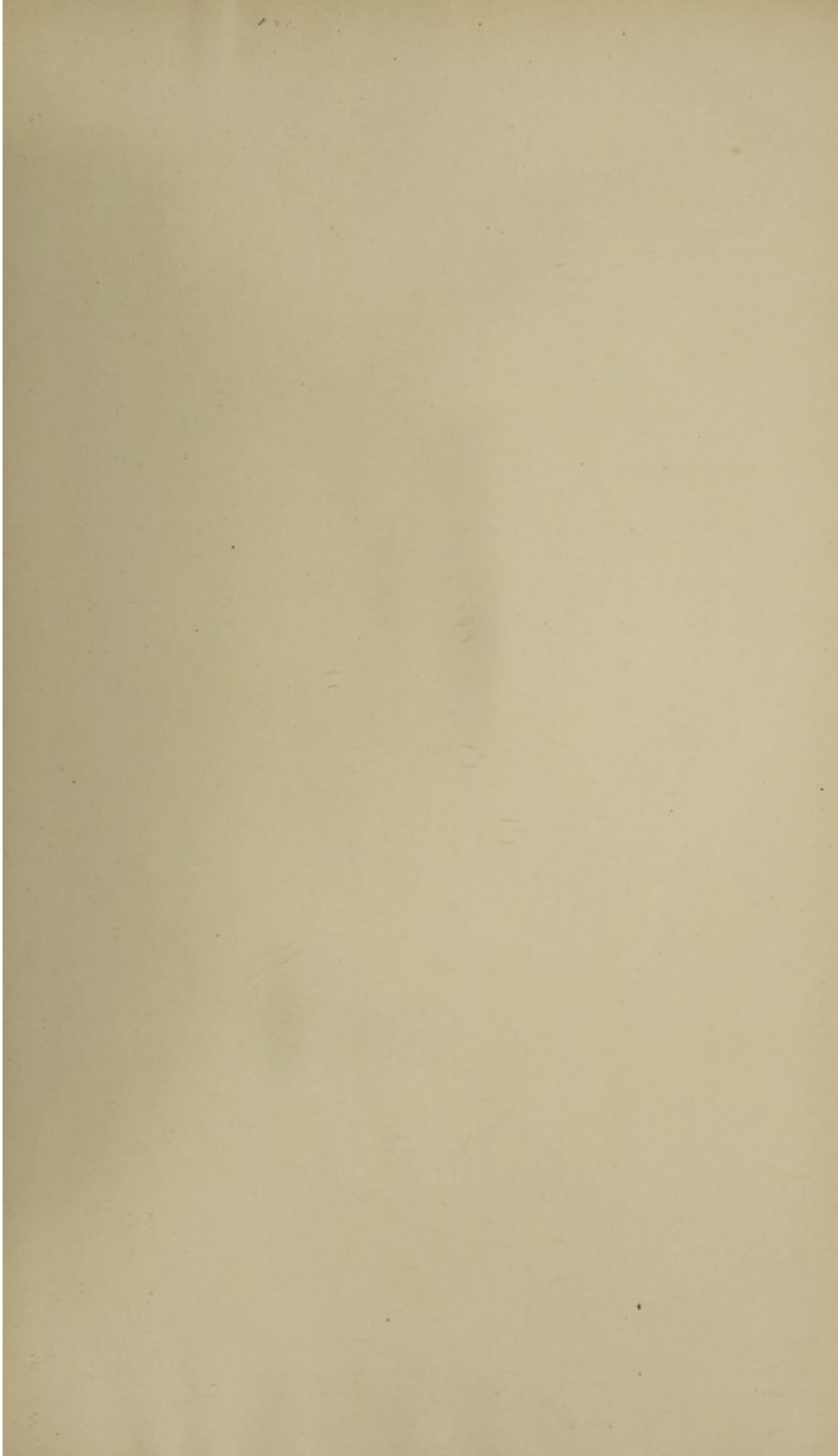
I now proceed to turn this wheel, and declare the new Madras Water-works to be open.

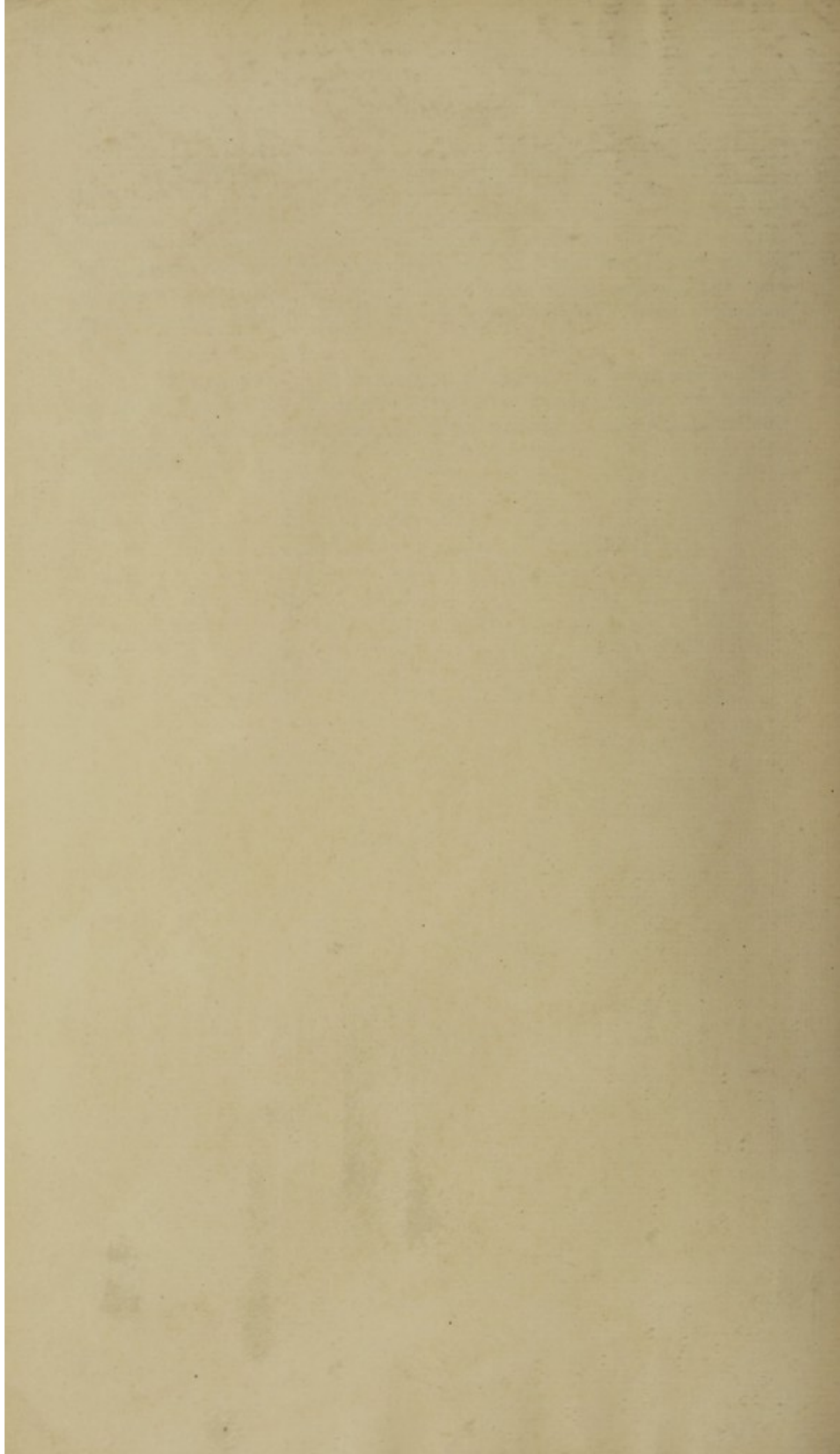
At the conclusion of the speech, all eyes were turned upon His Excellency, who under the direction of Mr. Madeley, inaugurated the new Water-works by turning a wheel, thereby opening a valve and starting a pump, which forthwith began to deliver pure water under increased pressure into the supply pipes of the City. Visible and unmistakable evidence of the inauguration simultaneous with the turning of the wheel was furnished by the fountain in front of His Excellency, which at once began to play, beautiful sprays of filtered water rising to a height of some 15 ft. to 20 ft. This concluded the ceremony, at the close of which Their Excellencies were garlanded, and the spectators, led by Mr. Lloyd, gave Their Excellencies three rousing cheers.

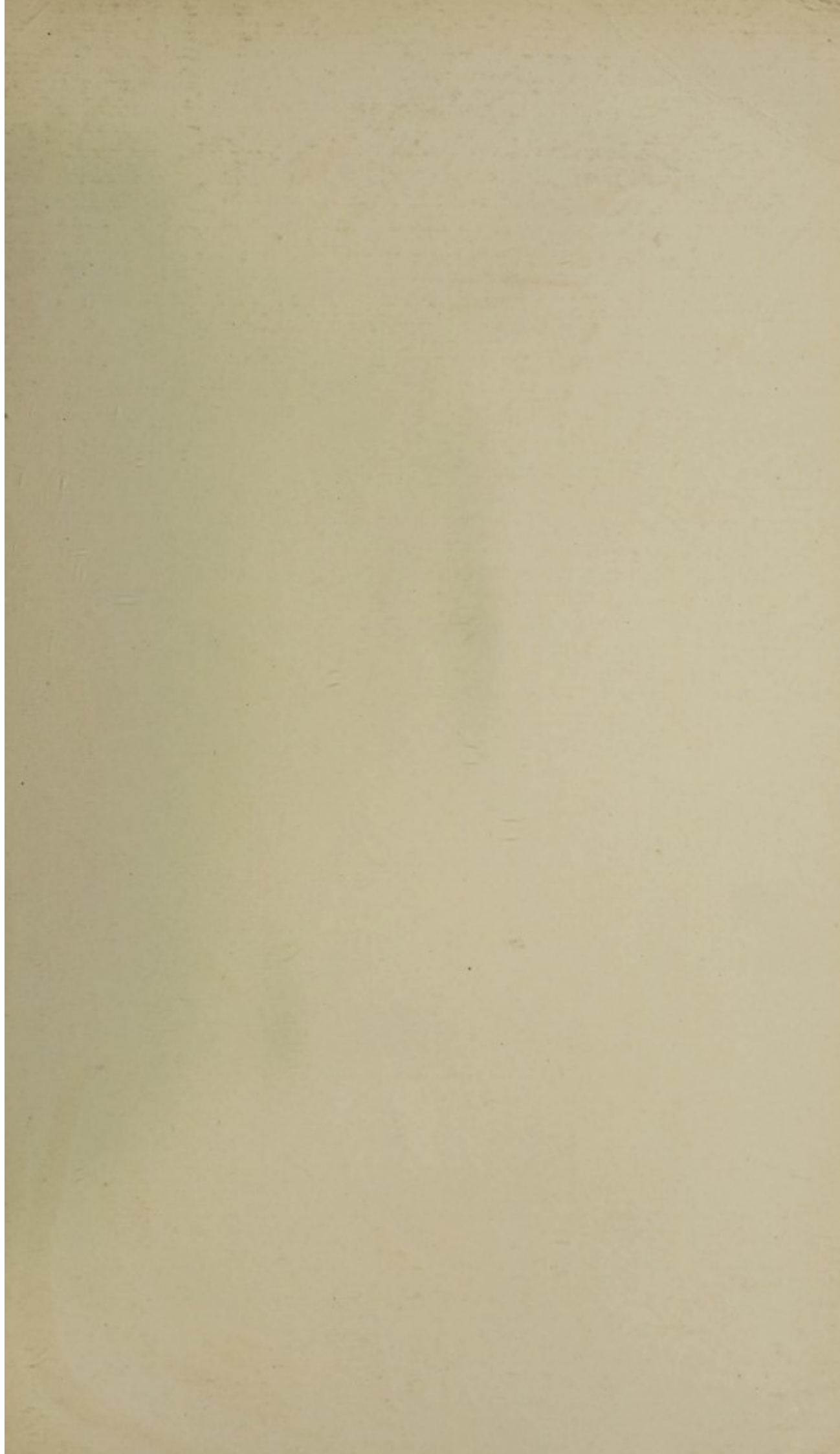
Next followed the inspection of the Works by Their Excellencies, who were taken first into the pumping station, fitted with up-to-date pumps and machinery of great capacity. The underground water tanks, the filter beds, the filter outlet regulator, the conduit bringing the water from the Red Hills, and, lastly, the elevated water tank were inspected. As Their Excellencies reached the top of the elevated water tank, by means of the spiral staircase, they were loudly cheered. From the top of this tank a very fine view can be obtained of the City.

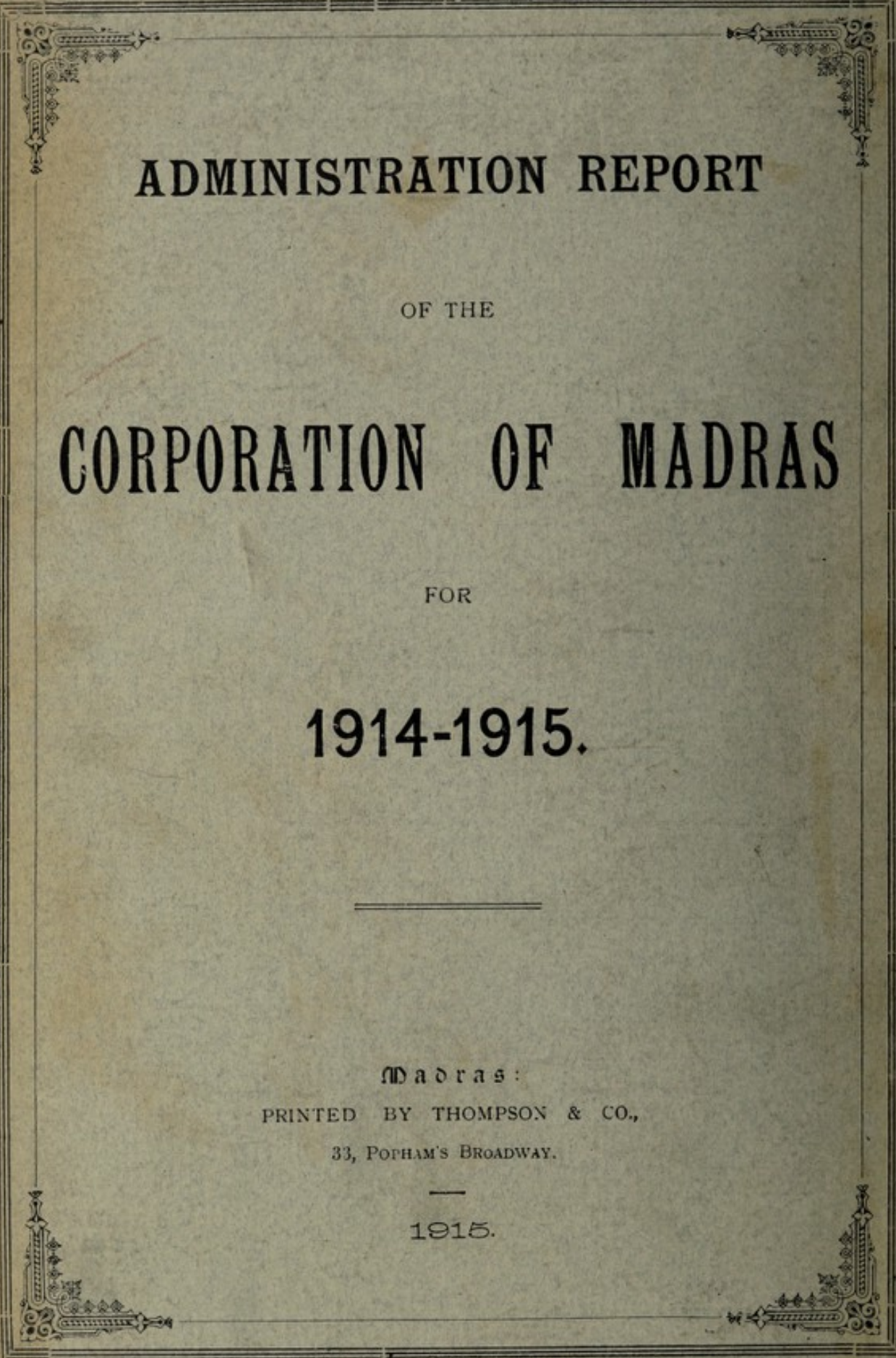
The inspection over, the assembly sat down to tea, which was supplied by Mr. G. Varadarajulu Chetty, Proprietor of the Clarence Hotel. The Band of the M. & S. M. Railway Volunteers played an excellent selection of music during the evening.

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ADMINISTRATION REPORT

OF THE

CORPORATION OF MADRAS

FOR

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