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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1040 Press / Mis.

102-103 102-103

Dated 16-5-1875.

617

Not to be folded or roughly handled

Proceedings of the Madras Government, Financial Department, 14th May 1875.

Municipal—Drainage.

No. 102. Read the following Proceedings of Government in the Public Works Department, dated 3rd May 1875, No. 1244 :—

Read Report from the Drainage Engineer, Madras, dated 3rd April 1875, No. ——

———

Mr. Clark alludes to Major Tulloch's Report as being so full and complete as to the nature of the district to be drained as to dispense with description from him.

2. He concurs with Major Tulloch in excluding provision for carrying off rain water from his scheme; in the position of his main drainage out-fall, *viz.*, into the sea 2 miles north of the Railway Station; and as to the necessity of lifting the sewage at some one point. He has simplified and cheapened the project as a whole, by dealing with Saint Thomé separately. This has enabled him to lay his sewers at much less depth and cost; but it would seem that Saint Thomé will be exposed in a minor degree to the evils inseparable from having two out-fall sewers, one north and one south, similar to the two out-falls of Black Town drain, described at page 5 of the Report.

3. Mr. Clark excludes altogether from his scheme the suburban districts of Tondiarpetta on the north in No. 1 Municipal Division, with a population of 35,240, spread over $4\frac{1}{2}$ square miles; and the whole of Municipal Divisions Nos. 4 and 6. The former comprising Veysurpady, Perambore, and the Powder Mills, with a population of 9,791, scattered over $3\frac{3}{4}$ square miles; and the latter Kilpauk, Chetput, Nungumbaukum, and Mackay's Garden, with a population of 19,390 on an area of $4\frac{1}{8}$ miles. The population of Alwarpettah, Meer Sahib Pettah, Kistnampett, and Teynampett in No. 8 Division, aggregating 15,652 on an area of 3 square miles are excluded from the Saint Thomé scheme, which includes only 20,575 on an area of 1 square mile. Total population excluded 80,073. Total provided for 317,479. Entire population of the Municipality 397,552.

4. Mr. Clark proposes to carry off all fluid, filth, or house-drainage, subsoil water near the surface, and excreta, by a system of main and out-fall sewers of brick or laterite in mortar plastered with cement inside, and laid in concrete, or of concrete blocks cast to the required shapes; and of subsidiary stone ware drain pipes, laid in concrete. All concentrating at a pumping station near the Elephant Gate Bridge, where a couple of engines of 35-H. P. each will lift the discharge of the main sewers a height of $19\frac{1}{2}$ feet, to gravitate through the out-fall sewer into the sea, if no arrangements can be made to utilize the sewage for the irrigation of land. To facilitate such use it is proposed to leave open 1,300 yards in length of the out-fall sewer. Including Rupees 1,08,325 on account of the separate Saint Thomé project, the total cost of the drainage scheme is set down at Rupees 23,48,000, Major Tulloch's estimate having been $33\frac{1}{2}$ lakhs.

5. His Excellency the Governor in Council cannot but accept the scheme, elaborated during four months' continued devotion to the subject on the spot, by an Engineer of Mr. Clark's extensive practical Indian experience, as the most

satisfactory solution of the problem of draining Madras that is likely to be attained. He observes, however, that Mr. Clark bases the details of his proposals in a great measure on the local water-supply; and considers that their efficiency is likely to be commensurate with the development of the latter. The Government as well as the Municipality being financially and otherwise interested in its complete development, which is now retarded owing as much to want of engineering knowledge and experience as to lack of funds, it would appear desirable that arrangements should be entered into for placing both the water-supply and drainage in the hands of a competent Engineer-in-Chief, such as Mr. Clark.

6. It is remitted to the Financial Department to arrange with the Municipality the manner in which the interest of the loans and the working expenses of both schemes can best be met; the cost of draining the Fort and Black Town only, with pumping station and out-fall complete, and that of the separate Saint Thomé project being raised in the first instance.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government P.W.D.

No. 103. ORDER THEREON, 14th May 1875, No. 1040.

The Municipal Commissioners for the Town of Madras will submit their views on paragraph 6 at an early date.

(True Extract.)

Officiating Chief Secretary.

To the President of the Madras Municipal Commission.

Exd. T. O'Connor.

Govt. of {1875 Madras.

FINANCIAL.

To

THE PRESIDENT OF THE MADRAS
MUNICIPAL COMMISSION.

Dated May 14*th*.
Issued
Recd. Encl.

G.O., 14th May 1875, No. 1040.

MAY.
Nos. 102-103.

Municipal Drainage.—Proceedings, Public Works Department, accepting Mr. Clark's scheme for the drainage of Madras, communicated to the Municipality for report.

Proceedings of the Madras Government, Public Works Department,
3rd May 1875.

Read the following:—

No. 56. From the Drainage Engineer, Madras, dated 3rd April 1875, No. ——.

No. 57. ORDER THEREON, 3rd May 1875, No. 1,244.

CIVIL WORKS, No. 3-A.

MR. CLARK alludes to Major Tulloch's Report as being so full and complete as to the nature of the district to be drained as to dispense with description from him.

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the development of the latter. The Government as well as the Municipality being financially and otherwise interested in its complete development, which is now retarded owing as much to want of engineering knowledge and experience as to lack of funds, it would appear desirable that arrangements should be entered into for placing both the water-supply and drainage in the hands of a competent Engineer-in-Chief, such as Mr. Clark.

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(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Financial Department.

Exd. S. T. Austin.
Spare Copies

Municipal - Drainage

Financial Department

Govt. of {1875} Madras.

PUBLIC WORKS.

(Municipal - Drainage)

To

THE FINANCIAL DEPARTMENT,

&c., &c., &c.

Dated May 3rd.

Issued

Recd. 12th May. Encl.

G. O., 3rd May 1875, No. 1244.

№ 1121

MAY.

Nos. 56-57

Drainage of Madras.—Passing orders on the report of the Drainage Engineer.

Print.

Ordered. 11th May 1875. No 1040.

To the Municipal Commissioners for the Town of Madras with request their views on paragraph 6 at an early date.

Dr.

To the President of the Madras Municipal Comm.

Dr. The work is entirely beyond the means of the Municipality & we should undertake it

12/5/75

Dep 27/5

13/5

With a view

4.7.08 ✓

Govt. of {1875} Madras.

Financial

G.O. 14th May 1875 No. 1040

Nos. 102-3

Municipal Drainage.

Proceedings Public Works Department accepting Mr. Clarke's scheme for the drainage of Madras communicated to the Municipality for report.