(1) பக்கங்களின் எண்ணிக்கை 4

(2) புதுக்கித் திருப்பிய நாள் 30-12-89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

115

P.W.D துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 3327

அச்சகம்
பலவகை

நாள் : 22-11-1889 19

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

2 Sheets

ஆவண கா-1—18,008—15-6-87.

3327

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper :—

Black Town Drainage Works—Sewer No. 2.

The Committee appointed by G.O., No. 2294 W., dated 21st August 1889, for consideration of the state of Black Town drainage works—*Sewer No.* 2, and for report as to the measures proposed to put it into working order, met at the Municipal office on the 15th instant.

2. As regards the state of the sewer, it is impossible for the Committee to add anything to the very careful detailed report after personal examination made by Mr. C. A. Smith, which was discussed at the "adjourned special meeting," 28th June 1889, of the Municipal Commission, on which the Government Order appointing the Committee was issued. On that report, therefore, and a consideration of plans, sections and information obtained at the Municipal office, the Committee bases the following recommendations, and it is of opinion that if they be carried out, there is every reason to expect that the sewer will be rendered efficient and may be brought into use without fear of any evil results.

3. The recommendations are—

(*1st*)—To remove the faulty portions of the existing sewer and re-build them in accordance with the section shown in the accompanying drawing, between the undermentioned points, viz. :—

Between Manholes	From	To	* Length.	Remarks.
	FEET.	FEET.	FEET.	
1 and 2	103	116	13	* These lengths are approximate.
	48	103 / Manhole No. 6.	55	
5 and 6	0	20	20	
8 and 9	Manhole 8.	Manhole 12.	187	This portion is in the worst order and is the most difficult to deal with.
11 and 12	Manhole 11.			
Total ..	..	..	275	

(*2nd*)—To deal with the leaks in the other places (which according to Mr. Smith's report are unimportant) by means of special local treatment adapted to the various conditions of the cases.

4. In re-building, no ordinary "lime-mortar" or "surki-mortar" should be used, but Portland cement with no greater proportion of sand than 1 to 1. All *brickwork* should be of specially-moulded bricks gauged to suit the curvature of the rings, so that the joints may be of uniform thickness throughout. *Internal plastering* should be composed of two coats; the first consisting of one part of Portland cement and one sand, and the second of pure Portland cement. *External plastering* should be of one coat composed of one Portland cement and one sand. When re-filling the excavation trench, clay puddle should be used to a height of 1′ 6″ above top of sewer.

5. The work proposed is of a high class and therefore expensive, on account of the large amount of sub-soil water which it has been found will be encountered at the place where the re-building is recommended.

6. The accompanying data furnished from the Municipal Engineer's office show that the cost of the rebuilding herein recommended will be about Rs. 5,260 exclusive of excavation, removing old work, and re-filling, which are set down at about Rs. 11,010.

(Signed) G. T. WALCH,
Ag. Chief Engineer for Irrigation and Secy. to Govt., P.W.D., } *President.*
(„) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Chief Engineer, and Joint Secy. to Govt., Roads and Buildings Branch,
(„) J. A. JONES, M.I.C.E.,
Vice-President, Madras Municipal Commission, } *Members.*

No. 32 W.

Forwarded, with accompaniments, to the Secretary to Government, Public Works Department, for disposal.

24th October 1889. (Signed) G. T. WALCH,
Ag. Chief Engineer for Irrigation.

No. 4907 C.

MEMORANDUM.

Forwarded to the Local and Municipal Department.

2. The enclosures received with endorsement, No. 622, dated 3rd August 1889, are returned herewith.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Local and Municipal Department, with report, plan and three estimates and five enclosures of L. and M. Current No. 1612 M.

ORDER—dated 12th November 1889, No. 1523 M., Local and Municipal.

Communicated to the Municipal Commissioners, Madras.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the President, Municipal Commission, Madras,
„ Public Works Department, with plan and estimates.

Exd. A. Raitt,

3327

2

Gobt. of {1889} Madras.

LOCAL AND MUNICIPAL.

Issued

Recd. *Encl.*

G.O., 12th Nov. 1889, No. 1523 M.

NOVEMBER.

Sanitation.

Communicating to the Municipal Commissioners, Madras, Government Order, Public Works Department, forwarding the report of the Committee appointed to inspect and examine the Black Town drainage works.