

Local & Munl. (1898.) Department.

MISCELLANEOUS.

G.O., No. 752 M

DATED 13-4-98.

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INDEXED.

DESPATCHED

[Despatch Abstract.]

Ootacamund Drainage Scheme.

Communicating to the Municipal Council of Ootacamund, G. O. P. W. D., communicating, with remarks, to the Superintending Engineer, IV Circle, and to the Local and Municipal Department, note by the Chief Engineer, Public Works Department, making certain proposals for the effective working of the — .

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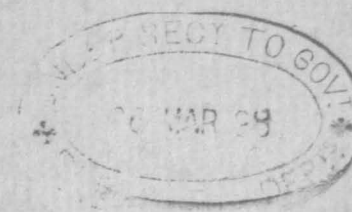
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LOCAL & MUNICIPAL DEPT
CURRENT No. 1150M.

G.O., No. 780 W., 22nd March 1898.

order No. 752 minis 13/4/98
Communicated to the Municipal Council
of Ootacamund.

MARCH.

1/2 5/4/98

In the presence of the Chairman of the Ootacamund
the the following of the Village
15/4/98

Ootacamund Drainage Scheme

Note by the Chief Engineer, Public Works Department, making certain proposals for the effective working of the —, communicated, with remarks, to the Superintending Engineer, IV Circle, and to the Local and Municipal Department.

4/10 1574

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Note by the Chief Engineer, Public Works Department.

With reference to paragraph 4 of my inspection notes printed with G.O., No. 182 W., dated 21st January 1898, I regret to find that I have made a very serious mistake in estimating the probable cost of removing the old brick sewer throughout its length and substituting earthenware pipes. When writing the notes I had not seen the estimate and report on the sewer, and was under the impression that only a few hundred feet remained to be laid. Mr. Somers-Eve has now informed me, demi-officially, that the length to be laid is 3,400 feet, and that the cost of laying the 12-inch earthenware pipe already sanctioned has been Rs. 5 per running foot, so that the total cost of abolishing the brick sewer still remaining will be Rs. 17,000.

2. Under the above circumstances he has, of course, taken no action on this section of the work and I resubmit the matter for further orders.

3. In G.O., No. 107 M., dated 27th January 1897, estimates amounting to Rupees 25,450 for the improvement of the Ootacamund drainage were sanctioned. These provided for—

- (i) Removing the intercepting sewer from junction with Brewery drain to Willow Bund and relaying with 12-inch earthenware pipes.
- (ii) 21 manholes for earthenware pipes.
- (iii) Flushing sluice at head of sewer.
- (iv) Widening supply channel.
- (v) Culvert under willow bund.

As a matter of fact the new pipe sewer has been laid from the commencement of the Commercial road bazaar—vide paragraph 6 of report printed at page 3, &c., of above Government order.

4. A perusal of this report will show what the proposals were.

In paragraph 2 it is said "the only really efficient length of this main sewer is the pipe through the lake, which . . . needs no improvement." "The 9-inch pipe is too small and without fall, and the masonry conduit is altogether in the wrong place . . . and of very inferior design." Again in paragraph 6 it is said that this masonry conduit is "of poor design and much obstructed" and further on "the existing masonry sewer will be extremely useful to serve the few houses along its course, but will chiefly be valuable for flushing purposes as explained in paragraph 7." In paragraph 7 it is proposed to lay from the flushing sluice an iron pipe 9-inch diameter to the head of the existing sewer, which will, it is said, discharge sufficient water for an ample flush under pressure, provided that some of the obstructions in the masonry sewer are removed.

5. This report and estimate were referred to the Sanitary Engineer, and in paragraph 9 of his note in reply (page 8 of above Government order) he says "it is doubtful if the arrangements proposed are likely to be successful." "The long square sewer with its many outlets, trap doors, &c., between the flushing pipe and the pipe sewer will, it is believed, render abortive any attempts at successful flushing," and further on "no doubt the site of Mr. Ashpitel's proposed flushing tank would be excellent, were there a pipe sewer extended up to it."

6. With the above remarks by the Sanitary Engineer I fully agree. An effective flush of this long sewer is a *sine qua non*, and we cannot get this flush, so long as for a length of 3,400 feet from the flushing sluice, the flushing water will have to pass through an old square masonry sewer, badly aligned, full of obstructions and outlets and unable to stand the water pressure necessary for flushing, and it is this particular length of old sewer that I now ask for sanction to replace with a 12-inch earthenware pipe right up to the flushing sluice. The pipe already laid to connect the flushing sluice with the main sewer is only of 9-inch diameter, and of course as far as the sewage of this length is concerned, this size would be amply large enough for the whole distance of 3,400' to the 12-inch sewer; but the main object of the pipe to be laid is to flush the 12-inch pipe from head of Commercial road to end of lake, and I do not think it can do this effectively unless it is of the same size.

7. It will be seen, therefore, that a great deal more money has, in my opinion, to be spent on this sewer before it can do its duty satisfactorily. The proposed items of expenditure are given below :—

	RS.
(1) Estimates sanctioned in G.O., No. 107 M., dated 27th January 1897	25,450
(2) Excess on item V of above estimate sanctioned in G.O., No. 2102 W., dated 2nd August 1897	510
(3) Supplemental estimate for diverting main sewer sanctioned in G.O., No. 2917 W., dated 19th October 1897	5,720
(4) Replacing old sewer with 12-inch pipe as now proposed 3,400' at Rs. 5 per foot	17,000
(5) Providing manholes in lake portion of pipe—vide paragraph 3 of my inspection notes printed with G.O., No. 182 W., dated 21st January 1898	7,500
(6) Cost of re-aligning and re-leveling pipe under lake referred to in paragraph 2 of above notes	2,000
Total	61,580

8. Of the above items the last two are absolutely necessary, if we are not to have continual trouble in the years to come. I believe items 4 and 5 to be equally necessary, if flushing is to be effective, and if it is not, we may as well do nothing. The only alternative is to leave things as they are and see whether it is not possible to obtain a sufficiently effective flush through the old sewer. The prospect of doing so is, to my mind, a very faint one.

9. If it is decided to relay the old sewer with pipes the question of its re-alignment, referred to in paragraph 6 of the report accompanying G.O., No. 107 M., dated 27th January 1897, will have to be considered.

(Signed) W. B. DEWINTON,
1st February 1898. Ag. Chief Engineer.

ORDER—No. 780 W., dated 22nd March 1898.

Communicated to the Superintending Engineer, IV Circle, and to the Local and Municipal Department, in continuation of G.O., No. 182 W., dated 21st January 1898.

2. The Executive Engineer on special duty will, with the least possible delay, submit estimates for works (4) to (6) mentioned in paragraph 7 of the Chief Engineer's note, and meanwhile the construction of Nos. 5 and 6 can be commenced in anticipation of sanction. The cost will be met from the balance of Rs. 81,800 of the Provincial grant on account of the water-supply schemes already drawn by the Municipal Council.

3. The attention of Mr. Somers-Eve will be drawn to the delay which is occurring in the preparation of the bazaar drainage scheme, and he will be directed to submit the plans and estimates as soon as possible.

(True Extract.)

C. W. M. L. L.

Under Secretary to Government.

To the Superintending Engineer, IV Circle.
 „ Examiner, Public Works Accounts.
 „ Local and Municipal Department. ✓

Super

Exd. Shaik Karim.

When given for copying
 When copied *14-4-98*
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READ AGAIN G.O., No. , DATED
 189 ,

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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