

7-12-06.5

[L. & M.]

Local & Munl. (1897) Department.

MISCELLANEOUS.

G.O., No. 1990.M

DATED 15/9/97

INDEXED *ca*

DESPATCHED

[Despatch Abstract.]

Drainage

Comm. A9. to the M.C. Council of Rumbakone
by G.O. No. 1990.M. sanctioning estimate of Rs 6250 for
the — of Solayappa mudali street, for execution
by the Public Works Department.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

1270 1230-7-76

LOCAL & MUNICIPAL DEPT.
3090M

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras. PUBLIC WORKS.

Recd. 30 AUG. 1897

Regd.

1897.

Enclosures

Spare copies 6

G.O., No. 2232 W., 16th August 1897.

This Order No. 1990 H. mis. dt 15.9.97
Communicated to the Municipal
Council of Kumbakonam.

AUGUST.

13/9/97

13/9/97

To the chairman, M.C. Kumbakonam.

18/9/97

Drainage

Estimate of Rs. 6,250 for the — of Solayappamudali street, Kumbakonam, sanctioned for execution by the Public Works Department.

No. 2232 W., 16TH AUGUST 1897.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chairman, Municipal Council, Kumbakonam, dated Camp Chembarambakam, 10th December 1896, No. 142 M./C.

With reference to your letter, No. 613, dated 5th instant, I have the honour to return the plan and estimate for draining Solayappamudali street, with the following remarks.

2. The rates appear reasonable and the levels have been checked and found correct.

3. The sewage water, however, after being filtered, is shown as passing into the Varaha tank, which is a square masonry built one, used for drinking purposes. On sanitary grounds, this arrangement is objectionable, as although passed through a filter bed, the water must be largely contaminated and unfit for consumption. In my opinion, the sewage water should be diverted and not allowed into the tank.

4. The Olloor channel marked on the survey as entering the Varaha tank, is not the real Olloor channel which lies further south. It is the Thepperamanellore drainage from the nunjah fields on the west.

5. The sewage well and filter are built on very low ground, the level of overflow of the well being 1.50 below the M.F.L. of the site during the north-east monsoon. The ordinary flood level is 55.81, or the same level as the top of the banks of the overflow drainage; in monsoon weather, therefore, these banks would be under water.

No. 126 W./C.

Copy submitted to the Chief Engineer, Public Works Department, for information with reference to G.O., No. 2060 W., dated 16th July 1896.

10th December 1896.

(Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Suptg. Engineer, V Circle.

No. 4994 C.

Recorded, pending receipt of the remarks of the Municipal Council on the Superintending Engineer's suggestions.

19th December 1896.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

No. 2232 W., 16TH AUGUST 1897.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepak, 20th March 1897, No. 99 W.

With reference to your No. 4994 C., dated 19th December 1896, I have the honour to submit plans and estimate for the drainage of Solayappamudali street, Kumbakonam, and to request that they may be sent to the Sanitary Engineer for remarks. I would suggest that the overfall sewer be closed in to keep out flood water; the section shown by Mr. Norfor does not commend itself to me. Mr. Norfor's remarks about the overflow of the unfiltered sewage mixing with the filtered sewage also, I think, deserve consideration by the Sanitary Engineer.

2. Copy of the letter received from Mr. Norfor on the subject is enclosed for information.

No. 1749 C.

Forwarded to the Sanitary Engineer for favour of remarks.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

26th March 1897.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Engineer, Public Works Department, dated 30th March 1897, No. 633.

In reply to your reference No. 1749, dated 26th March 1897, I have the honour to inform you that I am unable to agree with the opinion expressed by Mr. Norfor.

2. He gives no reason for raising the overflow level of the outlet from well and there is a valid reason against his proposal, viz., that the sewer would require to be *more than full* before his overflow could come into operation, the level of the highest part of the sewer being 56.50, while the centre proposed outlet is placed at 57.00. I would rather see the outlet lowered than raised, but it was placed as low as it could be; the less pressure which can be put on the inside of the sewer, the better.

3. With regard to his latter proposal I fail to see the advantage of it. Floods, and especially maximum floods, will occur seldom, and when they do occur it may be taken that there will be no baling of sewage, because it would be useless to clarify sewage that would be much diluted and was to be passed into a large flooded area $1\frac{2}{3}$ to $3\frac{1}{4}$ feet deep, which floods must form a lake over a very large area. If the outlet channel has its bank raised as proposed, the only effect will be that the sewage water during the time of floods will join the flood close to the well instead of a hundred feet further away. The channel into which the filtered sewage will ordinarily discharge would then be no longer a channel or discoverable as one.

4. Nor need the further point be considered, viz., the mixture of filtered and unfiltered sewage; for, as before stated, the sewer will run full and overflow only during heavy rainfall or floods, and at such time it will be impossible to pass the quantity of sewage flowing in the sewer through the sewage filter, and to bail only a minor proportion of the sewage while the majority was otherwise flowing away, would be a useless proceeding.

5. Holding these views, therefore, I fail to see the advantage of Mr. Norfor's proposals.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Lower Anicut, 28th May 1897, No. 97 W.C.

With reference to paragraph 2 of G.O., No. 2060 W., dated 16th July 1896, I have the honour to submit, for sanction, the enclosed estimate of Rs. 6,250 for the drainage of Solayappamudali street, Kumbakonam.

8.12.70h
20-7-96

No. 2232 W., 16TH AUGUST 1897.

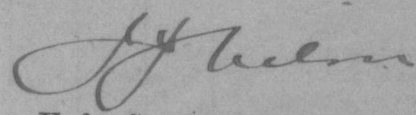
From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepák, 24th July 1897, No. 280 W.

With reference to your memo., No. 3011 C., dated 30th June 1897, I have the honour to submit the necessary data, in support of the rates allowed for certain items in the estimate for improving the drainage of Solayappamudali street, Kumbakónam.

ORDER—No. 2232 W., dated 16th August 1897.

The estimate amounting to Rs. 6,250 for the drainage of Solayappamudali street, Kumbakónam, is sanctioned for execution by the Public Works Department. The work will be carried out in accordance with the provisions of paragraph 79 *et seq.*, chapter IX, Volume I, of the Public Works Code.

(True Extract.)



Under Secretary to Government.

To the Superintending Engineer, V Circle, with six enclosures.
 „ Examiner, Public Works Accounts.
 „ Local and Municipal Department.

6-8/100

Exd. T. K. Narayana Aiyangar.

[Ref. 4]

When given for copying

When copied

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When signed

189.

READ AGAIN G.O., No. 189

DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT

STATEMENT WITH DITTO

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.

N.B.—

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