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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	183	Press
~~B.P. No.~~		Mis.
Dated	24. 1. 1876	190.

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*Proceedings of the Madras Government, Public Works Department,
15th January 1876.*

Read the following:—

N 2.

No. 183. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Godavery, has submitted an estimate, amounting to Rupees 12,000, for clearing and embanking the Gonter drain from the Attelli road to the junction with the Gostanuddi out-fall a distance of $8\frac{3}{4}$ miles. The Gonter is a natural line of drainage of very irregular section and slope. About 45 square miles

of country are dependent* upon it for their relief from rainfall and surplus irrigation water; of the latter, now that the

Nursapore canal on the one side and the Velpur canal on the other are being improved, there will be an inconsiderable quantity.

2. The improvements executed under the completion estimates in the lower part of this section of the Western Delta have rendered it feasible to make the Gonter more efficient, and the question to be decided is from what funds should drainage work, not specially required in connection with irrigation and not rendered necessary thereby, be carried out. The undersigned is of opinion that Agricultural, Miscellaneous, will be the proper head of charge, and that in the present case the work should be treated as a repair.

3. In submitting the estimate, the District Engineer should have briefly recapitulated the circumstances stating the data on which the dimensions proposed for the drain have been based. The waterway will be too irregular to allow of accurate calculation, but on the general principles upon which the delta drainage is intended to be based, and which provide for a maximum discharge of 2 inches of rainfall in 24 hours from a standard area of 5 square miles, the corresponding discharge would be 1 inch in this case. The drain will with the water $4\frac{1}{2}$ feet deep carry about half an inch, and the embankments are to be $2\frac{1}{2}$ feet above this W.L. Experimentally only can the water-levels be determined, but it is thought that it is probable that they will be somewhat higher than is convenient, and it will be well to allow higher banks wherever the cutting will allow of these. As in other cases the arrangements will be tentative. They will effect a considerable, but whether or no a sufficient improvement will depend upon the rapidity with which the drainage flows off into the Gonter.

4. Gauges should be set up and the freshes regularly recorded.

FORT ST. GEORGE,
1st January 1876.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

No. 184. ORDER THEREON, 15th January 1876, No. 93.

IRRIGATION, No. 15.

His Excellency the Governor in Council approves of the clearance and improvement of the Gonter drain in the

Western Delta, Godavery, being carried out under Agricultural, Miscellaneous, Repairs.

(True Extract.)

Th. M. A. S. Major-General, R.E.,
Secretary to Government.

To the District Engineer, Godavery.

- „ Collector of Godavery.
- „ Chief Engineer for Irrigation.
- „ Controller of Public Works Accounts.
- „ Revenue Department.

Exd. E. C. Shunker.

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Revenue Department

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THE DISTRICT ENGINEER,

COMAVERBY.

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No. 183-184

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N^o 183

Comm. to the
Board of Revenue

24th Jan 1874

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