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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.

~~P.P.~~ No.

1951

~~Press~~

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Dated

22-9-1875 196 .

[Signature]

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*Proceedings of the Madras Government, Public Works Department,
20th August 1875.*

No. 349. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 14th August 1875, No. 918 :—

From Major J. N. HUNTER, R.E., District Engineer, Salem, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation and Joint Secretary to Government, dated Salem, 6th August 1875, No. 38.

WITH reference to G. O., No. 740, dated 17th March 1875, I have the honor to submit for sanction the accompanying plan and estimate of Rupees 6,525 for constructing defensive works on emergency in the Palar river at Vaniembady.

- 1 Plan (by banghy.)
- 1 Estimate with Specification.

2. This estimate provides for protecting the Periapet bank of the Janapanar river and the Rahimanpet bank of the Palar river from further abrasion, at points where valuable house property has been destroyed in September 1874, and where from the aspect of the bank further destruction will most probably take place during the next floods in 1875.

3. On the Periapet bank seven earth groynes are estimated for. These groynes are to be protected in the usual way by durbah revetments and cocoanut horse modus-sils; the perpendicular banks of the escarpment being cut to a slope of two to one, and the bank and bed of the river planted up with corakai and nanel grasses up to a line connecting the extremities or noses of the groynes. The Rahimanpet bank shall be similarly protected by six earth groynes, the bank being sloped two to one and the bank and bed planted with grasses as above described.

4. The work has been put in hand under the authority conveyed in the above Government order. Six out of seven groynes on the bank of the Periapet are quite complete; the seventh is approaching completion. Those on the Rahimanpet bank are under progress.

SUBMITTED to Government with reference to G. O., No. 740, of the 17th March 1875.

2. The number, position, and length of the groynes designed for the protection of Periapet and Rahimanpet portions of Vaniembady are appropriate; but the description of groyne proposed to be used is much more expensive and less likely to stand well than the vaganies commonly used in the Tanjore rivers, while the use of solid groynes of the same height throughout is attended with some objections, the chief being that, instead of reducing the current only as is very effectually done by the screen groynes of Tanjore, they occasion an increased current round the outer ends and reaction elsewhere. Another objection is that the horses of the protective facing of the earth groynes will not settle down as do those of the screen groynes. As, however, most of the groynes, as designed, have been already put up, attention should be directed to securing them, there not being, as in Tanjore, any foot-rollers outside the legs of the horses. It would have been better had 6 feet of the width of the foundation rollers under the groynes been placed outside the legs of the horses.

3. Though long delayed, the estimate appears to have been carefully prepared, and it may be hoped that with attention to the security of these defensive works the

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two branches of the Palar at Vaniembady may be prevented from doing further injury until permanent works for the due distribution of the flood waters can be designed and carried out.

4. No orders have yet been received from the Financial Department regarding the provision of funds for the work estimated for.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 350.

ORDER THEREON, 20th August 1875, No. 2,399.

IRRIGATION, No. 21-A.

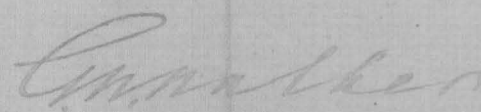
THE estimate of Rupees 6,525 for emergent works required for the protection of portions of Vaniembady is sanctioned, and

application will be made to the Government of India for the necessary funds, with reference to Financial Department Order, No. 708, of 2nd April.

2. The District Engineer's attention will be given to the remarks in the foregoing endorsement. A report on the present state of the nanel plantations in the beds of the two branches of the river between the groynes should be submitted, and every care should be taken for the security of the groynes themselves.

3. A report on the results of these defensive works should be sent in immediately after the close of the freshes of the north-east monsoon.

(True Extract.)



Major-General, R.E.,
Secretary to Government.

To the District Engineer, Salem.

- „ Controller of Public Works Accounts.
- „ Chief Engineer for Irrigation.
- „ Financial Department.
- „ Revenue „
- „ Accountant-General.

Exd. S. T. Austin.

20 Spare Copies *will follow*

Rev. 1875 = 24th
N. 3594

Gobt. of {1875} Madras.

PUBLIC WORKS.

THE DISTRICT ENGINEER,

SALEM,

&c., &c., &c.

Dated August 20th.

Issued

Recd.

Sept 15th

Encl.

G. O., 20th August 1875, No. 2,399.

AUGUST.

Nos. 349-350

14. Side View of the River at

Defensive works in the Palar River at
Vaniembady, Salem District.—The estimate
of Rupees 6,525 for constructing — for the
protection of portions of Vaniembady, sanc-
tioned with remarks.

N. 1951
Comm^d to the
Board of Revenue
22 Sept/75.