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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Rev. DEPARTMENT

G.O. No. 2212 Press
B.P. No. Mis.

Dated 23-9-1876 196—

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E. I. Form No. 34.

2212

3 Plans & 3 Estimates were given to the Irrigr Dept 27/10/76.

MEMORANDUM.

Acknowledgment to the Exr Candidate who has applied for them vide his letter No 1395 of 30 Sept/76

REQUESTED ~~for reference~~ the under-mentioned papers:—

Plans & Estimates &c submitted in Cud & Upah Collector's letter of 188 of 28 July/76 and sanctioned in P.W.D. G.O. No 2318 of 31 Aug 1876.

Plan Drawer No 2

OFFICE OF THE CHIEF ENGINEER FOR IRRIGATION,
27—10—1876.

~~Head Clerk.~~

To

The Registrar of the Revl & P.W. Secretariat.

2212
2

Proceedings of the Madras Govern[illegible]ent, Public Works Department,
31*st August* 187[illegible] *No.* 2,318.

Read the following papers :—

No. 705. Endorsement of the Secretary to Government, Revenue Department, dated Ootacamund, 12th August 1876.

Proceedings of the Board of Revenue, dated 7th August 1876, Miscellaneous No.

From J. R. DANIEL, Esq., Acting Collector, Cuddapah, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, Madras, dated Cuddapah, 28th July 1876, No. 188.

With reference to paragraph 2 of the Board's Proceedings, dated 12th July 1876, I have the honor to forward plans and estimates, &c., furnished to me by the District Engineer for repairing the bund and revetment, and for constructing a weir in the bund of Jellalamadaka Shrotriem tank.

3 Plan sheets.	1 Report.
1 Specification.	1 Abstract Estimate.

The estimate for repairing the Jellalamadaka Shrotriem tank, amounting to Rupees 7,600, will be submitted to Government in continuation of the Board's Proceedings, dated 12th July 1876, No. 1,787.

(True Copy and Extract.)

(Signed) C. A. GALTON,
Acting Secretary.

Transferred to the Public Works Department with reference to G.O., dated 18th July 1876, No. 965.

(Signed) D. F. CARMICHAEL,
Secretary to Government, R.D.

No. 162-W.

No. 705-A. *Note by the Chief Engineer for Irrigation.*

Jillalamadaka Shrotriem Tank.

The estimate* for the repair and improvement of this tank prepared in the Public Works Department, and submitted by the Collector of Cuddapah to the Board of Revenue, contemplates the raising of the full tank level from 52·67 to 54·00. From the report of the Range Officer it appears that this alteration is proposed because the greater part of the bund is above 60·00 and is strong enough in every way to allow of water being retained at the higher level. The alteration will make the tank more valuable, and under the circumstances there can be no objection, so far as the safety of the tank is concerned, to its being carried out.

2. The estimate amounts to Rupees 7,600, and provides apparently for all the work which would be considered desirable were the tank the property of Government. There is much in it, however, which should be left to the option of the Shrotriemdars to carry out or leave undone.

* Dated 18th July 1876.

(1.) The earthwork required is tri ng. The items on this account including those for stopping leakage near where the former surplus weir stood are those numbered in blue pencil 1, 2, 8, and 9, and amount altogether to Rupees 160 only.

Rupees	152	15	10
Sundries	7	0	2
	160	0	

(2.) The principal expenditure entered for the bund is in connection with the reformation of the revetment. The items are marked 3 to 7 and amount to Rupees 5,470.

Rupees	5,201	14	10
Sundries	268	1	2
	5,470	0	0

(3.) The next item is gravelling the top and slopes of the bund which with sundries comes to Rupees 200.

(4.) Lastly, there is the item for a surplus weir 140 feet long, Rupees 1,770.

The works numbered (1) and (4) are essential, and it is stated in the report that "in the beginning of 1876 the Shrotriemdar appears to have begun to repair the revetment of the bund, &c." Probably, therefore, so much of the revetment work as consists of repairs the Shrotriemdar admits to be necessary and will execute without pressure. Apparently the extent of this work is 1,542⅓ cubic yards at 4 Annas or Rupees 386, or with sundries, say, Rupees 400 out of the Rupees 5,470 above shown (2). The rest of the work should be considered optional. Gravel backing revetment is usually considered necessary in the case of Government tanks, as tending to render the revetment lasting, but the owner of a private tank may be left decide for himself whether it is best worth his while to repair a revetment frequently, or to build it substantially in the first instance. Some of the rates appear to be high, especially gravel work, seeing that gravelly soil is found close at hand.

$$\frac{1,587}{2} = 793$$
$$\frac{2,705}{4} = 676$$
$$73\tfrac{1}{3}$$
$$1,542$$

With regard to the weir, its estimated cost, and its proposed position and arrangement, all that the undersigned can say is that the circumstances have been carefully gone into, and require local knowledge to determine whether they are altogether the best. It is thought, however, that expense might be reduced by altering the alignment of the weir to the directions shown in dotted lines, and it would perhaps be better also were the right wing placed some 30 feet to the right, (towards division bund), as a better outfall would then be secured. All that part of the bund on which the bench mark 58·67 stands, which interferes with a free outfall, should be removed.

OOTACAMUND, (Signed) JOHN MULLINS, Lt.-Col., R.E.,
21st *August* 1876. *Chief Engineer for Irrigation.*

No. 706. ORDER THEREON, 3 August 1876, No. 2,318.

IRRIGATION, No. 74.

RECORDED with reference to G.O., No. 170, dated 18th August 1876. It will be seen that the work which the Chief Engineer

for Irrigation considers to be essential to the safety of the Jillalamadaka Shrotriem tank is as follows:—

1st.—Certain repairs to bund estimated to cost	... Earthworks	Rs. 160
	... Revetment	„ 400
2nd.—Surplus weir 140 feet long do.		„ 1,770

2. Should the Shrotriemdars wish f assistance of the Public Works Department in laying out the weir, the rem the Chief Engineer for Irrigation should receive consideration.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

To the District Engineer, Cuddapah.
„ Collector of Cuddapah.
„ Chief Engineer for Irrigation.
„ Consulting Engineer for Railways.
„ Revenue Department.

Exd. W. H. French.
14 Spare Copies

N. 3532
Rec: 1876. Sept

Govt. of {1876} Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
CUDDAPAH.
&c., &c., &c.

Dated August 31st.

Issued

Recd. Sept 23

Encl.

G. O., 31st August 1876, No. 2,318.

AUGUST.
Nos. 705-706.

Jillalamadaka Shrotrium Tank, Cuddapah District.—Note by the Chief Engineer for Irrigation on estimate for the repairs and improvements of the —, recorded with remarks.

No 2212

Communicated to the Board

R. [illegible]

[illegible] Sept. 1876

11 Sols Os. 27 Sept

DEPARTMENT