M.R.O. 1—10,006—28-2-50

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No.	3202	Press
~~B.P. No.~~ 195-196		~~Mis.~~
Dated	12-11-1894 ~~195~~ .	

Not to be folded or roughly handled

Read the following :—

No. 832.

No. 195. *Note by the Chief Engineer for Irrigation.*

THE following estimate has been submitted for sanction by the District Engineer, Cuddapah :—

Repairing Yerragontlapully Galwany Tank, Rupees 220.

Ayacut area...	Government	Acres	52
	Inam	,,	3
,, Assessment		Rupees	209
Average Revenue		,,	43

It is mentioned in the report that repairs were executed about nine years ago, while in the list it is stated that the date and cost of last repairs are unknown. Any expenditure from 1856-57 ought to be ascertainable. It is intimated that the bad state of repair into which the tank has fallen is the cause of the great difference between the ayacut assessment and the average revenue, but this has not been rendered clear. However, the drainage basin of 1½ square miles should suffice to supply at any rate nearly 55 acres, instead of the 11 or 12 which would seem to have been cultivated. The tank possesses a calingulah, of what description is not mentioned, 45 feet in length, and it is said that the maximum water level will be 2 feet above the crest, and the discharge 232 cubic feet a second. How this conclusion has been arrived at has not been explained. The maximum flood discharge from 1½ square miles will probably be about 750 cubic feet a second, and the depth on the weir crest to discharge this would be 35 inches. Also with a depth of 2 feet on the crest the discharge would be about 427 cubic feet, instead of 232 cubic feet a second. If 2½ feet were allowed to pass over the weir as a maximum, a length of 56½ feet of crest would suffice, and perhaps a supplemental escape of a cheap description could be provided either beyond the present weir, or at the other end of the bund, otherwise this weir should be lengthened or another built. If there be any upright stones in the calingulah they should be removed. The bund is to be 4 feet above full tank level and 4 feet wide at top.

2. The rate, 1¼ Annas, for earthwork appears to be unnecessarily high if the lead and lift have been correctly stated in the specification.

CAMP AT PALAMCOTTAH,
16*th October* 1874.

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

No. 196. ORDER THEREON, 12th November 1874, No. 3,202.

IRRIGATION, No. 17.

THE following estimate is sanctioned :—
Repairing Yeragoontlapully Galwany Tank, Rupees 220.

2. The attention of the District Engineer, Cuddapah, will be given to the remarks of the Chief Engineer for Irrigation, and such modification of the arrange-

ments for disposing of surplus water, as on further inquiry may be found necessary, should be provided for at an early date.

(True Extract.)

3/1 For G.O. 798/75.

MEMORANDUM.

Requested for reference the under-mentioned papers :—

R. No. 187999. October 74 with 4 Enclosures submitted with the Ch. Engr's Note printed in G.O. No. 3202, 312 Nov. 74.

Office of the Chief Engineer for Irrigation,
30 — 4 — 1875.

Wm. Hawkins
Head Clerk.

To

The Registrar of the Orders.

Note by the Chief Engineer for Irrigation

Enclosure 5.

The following estimate has been submitted for sanction by the District Engineer, and deserves Repairing Yerragoontlapully Tank

Rupees 220

Ayacut area - acres { Govt 52 / Inam 3

— do — assessment Rupees 209

Average revenue — 43

It is mentioned in the report that repairs were executed about 9 years ago, while in the list it is stated that the date and cost of last repairs are unknown - any expenditure from 1856-57 ought to be ascertainable It is intimated that the bad state of repair into which the tank has fallen is the cause of the great difference between the ayacut assessment and the average revenue, but this has not been rendered clear. However the drainage basin of 1½ square mile, should suffice to supply at any rate nearly 55 acres instead of the

the 11 or 12 which would seem to have been cultivated. The tank proposes a calingulah, of what description is not mentioned, 45 feet in length, and it is said that the maximum water level will be 2 feet above the crest and the discharge 232 cubic feet a second. How this conclusion has been arrived at has not been explained. The maximum flood discharge from 1½ square miles will probably be about 750 cubic feet a second & the depth on the weir crest to discharge this would be 3.5 inches. Also with a depth of 2 feet on the crest the discharge would be about 427 cubic feet, instead of 232 cubic feet a second. If 2½ feet were allowed to pass over the weir as a maximum, a length of 56½ feet of crest would suffice, and perhaps a supplemental escape of a cheap description could be provided either beyond the present weir, or at the other end of the bund. otherwise this weir should be lengthened or another built. If there be any upright stones in the calingulah they should be removed. The bund is to be 4 feet above F.T.L. and 4 feet wide at top.

2 The rate, 1¼ annas, for earth-work appears to be unnecessarily high, if the lead and lift have been correctly stated in the specification.

Camp at Palamcottah
16 October 1874.

Lt Colonel Chief Engineer for Irrigation

To The Secretary to Govt. P.W.D.

Public Works Department

Proceedings of the Madras Government

Read the following

91

From The Chief Engineer

for Irrigation (No. 832 dated

16th Oct. 1874)

No. 3202

The following estimate is sanctioned

Repairing Yerra goontla sully

Galwany Sanction - Rupees 220

2. The attention of the District Engineer Cuddapah will be given to the remarks of the Chief Engineer for Irrigation, and such modification of the arrangements for disposing of surplus water, as on further enquiry may be found necessary, should be provided for at an

Rec'd 27/10

Rec'd 18th Oct. 1874 No. 6657

Re Estimate for alteration

To Exec. Engr. P.W.D.

Re Exec. Engr. P.W.D. Letter No. 832 dated 16th Oct. 1874

Re Estimate for repairing the Yerra goontla Sully Galwany Sanction Rupees 220

Chief Engr. 3202 12-11-74

Dispatched 23rd Nov. 74

an early date

Lun 17/10/74

Lyon

195-196.

Lieu 27/10/74 Rec'd 28/10/74
Leeds Oct 23rd Oct/74

3

3 Cy

To The D.C. Caddington
— Chiltern for Sir
— Controller Pl Rec'd

1. Copies desp'd 18/11/74.

6657

Govt. of {1874} Madras.

PUBLIC WORKS.

To

My Dr. Engr.
Cuddapah

Dated

Recd. 4th Encl. 5

G. O. 12th 1874. No. 3202

Nos. 195-196

Yerragoontlapully
Galwany Tank -
Cuddapah &c

Estimate of Rs 220 for the repair of the Tank, sanctioned, and such modification the arrangements for disposing of surplus water as on further enquiry may be found necessary to be provided for at an early date.