

(1) Number of pages 4
(2) Date of repair 21-1-1981
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	3468	Press.
B.P. No.		Mis.
Dated	20.6.1877	197 E.

Not to be folded or roughly handled

82

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

12th June 1877, No. 78 I.

Irrigation.
Account.

Read the following paper :—

No. 41 I.

No. 48. *Note by the Chief Engineer for Irrigation.*

THE Officiating District Engineer, Bellary, forwards with his letter marginally dated a revised estimate in connection with the repairs of the Hotoor tank situated in the Alloor Taluq, Gooty Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow :—

ORDINARY AGRICULTURAL.

IRRIGATION.

Repairs.

To irrigation sluice	Rupees 111
To bund	54
Total Rupees	165

3. The following particulars of this tank are recorded :—

Ayacut area	Acres 20
Assessment	Rupees 86
Average revenue	111
Highest do.	133
Expenditure during the previous four years	Nil.

The area of the catchment basin is 2 square miles ; the maximum flood supply is calculated at 170·37 cubic feet per second, for discharging which as surplus there is a weir 45 feet in length. The tank is provided with an Irrigation sluice, the tunnel of which is in a leaky condition ; it is therefore proposed to open up, examine, and repair the sluice where necessary. The bund needs to be raised to a uniform height of 4½ feet above F.T.L., and the slopes sectioned at 2 to 1.

The estimate provides for these repairs.

The District Engineer has not explained how 170·37 cubic feet a second has been obtained as the maximum flood discharge from a basin of 2 square miles. It corresponds to a drainage of 3·17 inches from the whole area in 24 hours, and this is much less than the minimum adopted in the adjoining district of Cuddapah, vide Circular 73. It is improbable that less than about 8 inches can be safely taken as the maximum drainage from this small area, and this would make the flood discharge 420 cubic feet a second, and the difference between F.T.L. and M.W.L. with 45 feet of weir about 2 feet, for which the intended height of bund will suffice.

In July 1875 an estimate for the repair of this tank was submitted, but it was returned to the District Engineer with memorandum No. 888,

dated 9th August 1875, sanction however being accorded to the carrying out of necessary work in anticipation of the sanction of the revised estimate.

Work to the extent of Rupees 104-5-0 was carried out in 1876-77 and that is included in the present estimate.

The estimate now submitted is recommended for sanction.

FORT ST. GEORGE,
6th June 1877.

(Signed) G. T. WATCH,
Ag. Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department,
Irrigation Branch.

No. 58.

ORDER THEREON, 12th June 1877, No. 78 I.

The following estimate from the Gooty Range forwarded by the District Engineer, Bellary, is sanctioned:—

HOTOOR TANK.

Head of Service.—Irrigation.

Group or Project.—

Fund and Main-head.—Ordinary Cultural, Irrigation.

Class.—Repairs.

Name of Tank.—Hotoor tank.

Particulars of Work.— { Sluice Rs. 111
 { Bund „ 54

To be carried out by the Public Works Department Officer in charge Gooty Range.

2. This sanction has been registered as No. 63 I of 1877-78.

(True Extract.)

W. H. H. H.

Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the District Engineer, Bellary.

„ Collector of do.

„ Chief Engineer for Irrigation.

„ Examiner of Public Works Accounts.

„ Revenue Department.

Exd. E. C. Shunker.

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19/6

Revenue Department
No 2966
IRRIGATION
ACCOUNT.

Govt. of Madras.
PUBLIC WORKS.

THE DISTRICT ENGINEER.

BELLARY.

&c. &c. &c.

Dated June 12th.

Issued

De Memo

Recd.

19 June

Encl.

G. O., 12th June 1877, No. 78 L.

JUNE.

Nos. 48-49.

No 3468
Copy to the
Board of Revenue
20 June 77

Holoor Tank, Bellary District.—The
estimate of Rupees 100 for repairs to —
sanctioned.

576 the 14th of December 1916-6-77