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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	5611.	Press.
B.P. No.		Mis.
Dated	20. 9. 1877	197

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564

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

12th September 1877 No. 315 I.

Irrigation
Account.

Read the following paper:—

No. 160 I.

- No. 69. *Note by the Chief Engineer for Irrigation.*
THE District Engineer, Cuddapah, forwards, with his letter marginally noted, an estimate in connection with the Thoora-pully tank situated in the Proddatore Taluk, Cuddapah Range.
No. 1,011, dated 30th July 1877.
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.				RS.
Repairs.				
Converting the rough stone escape into weir	...	...	...	193
Repairing bund	...	...	...	1,187
Total				1,380

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

Ayaut area	...	137 Acres	{ Circar 100 } Acres.
			{ Inam 37 }
Assessment	...	1,779 Rupees	{ Circar 1,154 } Rupees.
			{ Inam 825 }
Average revenue	...	1,110 "	{ Circar 897 }
			{ Inam 213 }
Highest do.	...	1,455 "	{ Circar 791 }
			{ Inam 664 }
Expenditure during the previous four years	...	...	Nil.

This is a rain-fed tank situated in north latitude $14^{\circ} 43' 5''$, and east longitude $78^{\circ} 54' 5''$.

The area of the catchment basin is 4 square miles, the maximum flood supply is calculated at 991 cubic feet per second, for discharging which as surplus there is a rough stone pavement 103 feet in length which is not on the same level throughout. It is proposed to construct a masonry body wall, raising its crest a little higher than the present level, providing only one wing on the bund side and leaving the low ground beyond for a byewash. There are 10 lands* above the tank that will be submerged by raising the crest of the weir.

* So in report. Probably cultivated lands are referred to.

The bund requires but little earthwork to put it into a thorough state of repair, but the revetment is in very bad order throughout and holes are formed behind it in several places, and it is considered necessary to repack the whole revetment with gravel backing.

The estimate provides for—

- (1). Converting the rough stone escape into weir by constructing a masonry body and wing wall.
- (2). Raising the low portions of the bund, filling holes, and repacking the revetment with gravel backing.

The full tank level must not be raised until it has been ascertained that all leakage of importance has been stopped. The crest wall therefore should be left uncoped until a future time. The design for the improvements to the surplus work cannot be accepted. The one wing proposed bears no relation to the section of bund to which it is to be attached, and the other end is represented as in contact with a bund, and were this to be the case some protection would be necessary. If beyond the end of the crest wall there is hard soil at or a little above the F.T.L., the proper plan is to carry the crest wall into it and to support it by stone pitching, which should be extended to 6 feet beyond the end of the wall, so that the latter may not be undermined without notice. The amount allowed, viz., Rupees 193, will suffice for proper arrangements.

The estimate is recommended for sanction.

It is noticed that, according to the ayacut account which accompanied the estimate, the assessment averages upwards of Rupees 14 an acre, and that for the inam land it is more than Rupees 22 an acre; both these rates of assessment being much above what is usual, some explanation should have been given with reference to them.

FORT ST. GEORGE,
31st August 1877.

(Signed) G. T. WALCH,
Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

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

No. 70. ORDER THEREON, 12th September 1877, No. 315 I.

THE following estimate from the Cuddapah Range, forwarded by the District Engineer, Cuddapah, is sanctioned.

THOORAPALLY TANK.
Head of Service—Irrigation.

Group or Project.	Fund and Main head.	Class.	Name of Tank.	Particulars of Work.	Amount.
.....	Ordinary Agricultural, Irrigation.	Repairs Do.	Thoorapally tank.	1. Weir ... 2. Repairing bund.	Rs. 193 1,187
				Total ...	1,380

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

2. This sanction has been registered as No. 172 I of 1877-78.

(True Extract.)

Colonel R.E.
Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the District Engineer, Cuddapah.
" Collector of Cuddapah.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. E. C. Shunker.
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IRRIGATION.
ACCOUNT.

Govt. of 1877 Madras.

PUBLIC WORKS.

To

The DISTRICT ENGINEER,

CUDDAPAH,

Ac., &c., &c.

Dated September 12th.

Received

Recd.

20 Sept 77

Encl.

G. O., 12th September 1877, No. 315 I.

SEPTEMBER.

No. 69-07.

Theorapully Tank, Cuddapah District.—
Sanctions estimate of Rupees 1,380 for
repairs, &c., to the —

Rs. 56 11

Comd to the
Board of Revenue
20. S. p. m.

6742 g Oe 21-9-77