Archives 1—10,008—6-10-76.

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

New DEPARTMENT

G.O. No. / B.P. No.	382	Press. / Mis.
Dated	28-1-1879	197 .

Not to be folded or roughly handled

A. Mai

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

6th January 1879, No. 9 I.

Irrigation.
Account.

Read the following paper:—

No. 13. From K. F. NORDMANN, Esq., District Engineer, Kurnool, to the Chief Engineer for Irrigation, dated Yeldoorty, 16th September 1878, No. 36.

ADVERTING to G.O., No. 451 I, dated 31st May 1878, I have the honor to forward herewith, for your sanction, an estimate, amounting to Rupees 4,635, with plans and specification report, as per margin, for repairing and strengthening the bund of Yedavelly Pedda tank in the Cumbum taluk.

3 Plans.
1 Abstract Estimate.
1 Specification Report.
1 Printed Report.

No. 367 I.

No. 13-A. *Note by the Acting Chief Engineer for Irrigation.*

THE District Engineer, Kurnool, forwards, with his letter marginally noted, an estimate in connection with the Yedavelly Pedda tank belonging to the Gudimetta tank group situated in the Cumbum taluk, Cumbum range.

No. 36, dated 16th September 1878.

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.

Original Works.

	Rs.
New stone revetment to the bund including gravel backing	1,565

Repairs.

Raising and repairing the bund, repacking the revetment, blocking up two existing escapes and forming a new escape at the west end of the bund	2,560
Repairing the irrigation sluice	65
Repairing the supply channel	445
Total ...	4,635

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

Ayacut area	Acres 117
Assessment	Rupees 910
Average revenue	„ 768
Highest do.	„ 985
Expenditure during the previous four years	„ 395
Average cultivation per square mile of catchment basin ...	Acres 16·4

The area of the catchment basin is 6 square miles; the maximum flood supply is calculated at 2,333 cubic feet per second, for discharging which as surplus there are two escapes, one at the east, and the other at the west, end of the bund, their lengths being 30 and 93 feet, respectively, making an aggregate length of 123 feet.

The positions of these escapes are not favorable for the disposal of the surplus into the low-lying tank immediately below it. The surplus is at present discharged in the case of the eastern escape into the tank beyond the one immediately under it, and the water from the western escape is discharged in the direction of the village of Yedavelly. It is now proposed to close the two existing outlets and to form an escape at the western extremity of the bund 400 feet in length; this arrangement will secure the proper supply to the low-lying Yedavelly Chinna tank and will free the village of Yedavelly of the surplus waters of the tank under review; it will also secure a better supply for itself, as F.T.L. will then be raised 1·55 feet higher, but when the tank is full one acre of inam land will be submerged and some dry cultivation will be damaged by the discharge of the surplus. It is stated that compensation for the inam land, which will be submerged, is included in the estimate under review; as there is no separate item allowed the amount is probably intended to be paid out of sundries, and care should be taken that the land in question is taken up and paid for in the regular manner before work is commenced.

The bund of this tank is low and weak and the revetment in disorder, the irrigation sluice is in need of repairs, and the supply channel requires to be deepened.

The estimate provides for—

1*st*.—Repairing and raising the bund to a uniform height of 5 feet above F.T.L. or 4 feet above M.W.L. with a top width of 3 feet and land and water slopes of 2 to 1 and 1 to 1 respectively, repacking the revetment and raising the same with new stone backed with gravel, closing existing outlets and forming an escape at the western extremity of the bund.

2*nd*.—Repairing the irrigation sluice.

3*rd*.—Clearing the supply channel.

The following statement shows the proposed distribution of the outlay recommended for sanction to the debit of the several heads of account involved:—

Head of Service—Irrigation.

Fund—Ordinary Agricultural.

Name of System or Group.	Distinguishing Number or Letter of Group.	Name of Tank or Channel.	Description of Work.	Main Head.	Class.	Amount of each Item.	Amount to be separately accounted for.
Gudimetta tank group.	Not stated.	Yedavelly Pedda tank.	New stone revetment with gravel backing.	Irrigation.	Original Works.	Rs. 1,565	Rs. 1,565
			Repairing bund, repacking revetment, blocking up two existing escapes, &c., and forming a new escape.		Repairs ..	2,560	3,070
			Repairing sluice ..		Do. ..	65	
			Repairing the supply channel.		Do. ..	445	

FORT ST. GEORGE,
12th December 1878.

(Signed) P. MONTGOMERIE, Major, R.E.,
Ag. Dy. Chief Engineer for Irrigation,
for Ag. Chief Engineer for Irrigation.

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

No. 14. ORDER THEREON, 6th January 1879, No. 9 I.

THE following estimates from the Cumbum Range forwarded by the District Engineer, Kurnool, are sanctioned:—

Head of Service—Irrigation.
Gudimetta Tank Group.
Yedavelly Pedda Tank.

Work—		Rs.
1.	New stone revetment with gravel backing, Original Works ...	1,565
	Total ...	1,565
2.	Repairing bund, repacking revetment, blocking up two existing escapes and forming a new escape, Repairs	2,560
	Repairing sluice, Repairs	65
	Repairing supply channel, Repairs	445
	Total ...	3,070

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

2. These sanctions have been registered as No. 295 I. of 1878-79.

(True Extract.)

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

To the Superintending Engineer, Second Circle.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.
" Collector of Kurnool.

Exd. E. C. Shunker.
Spare Copies

Revenue 1879 Letter
No 810.

IRRIGATION.
ACCOUNT.

Mrs 4/28 Jany 79 No 382

Audit. Off. [1876] Circular.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEER,
SECOND CIRCLE,
&c. &c. &c.

Dated January 6th.

Sir,

Dist.—28"

G. O. No. dated 1876, No. 9 I.

ABSTRACT.

Rupees 12.34.

Patiently Public Trade Accounts Dist.—Sanctions intimated in Superintending Engineer's No.

No. 352.
Copied in the Record Book

382

10 Feb. Board of Revenue