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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

30th January 1879, No. 58 I.

Irrigation.

Account.

Read the following papers:—

No. 62. From Lieutenant-Colonel H. L. PRENDERGAST, R.E., Officiating Superintending Engineer, North Arcot, to the Chief Engineer for Irrigation, dated Vellore, 7th September 1878, No. 2,853.

I HAVE the honor to submit for sanction plans and estimate of Rupees 2,340 for repairing and improving the Karigari large tank in the Gudiyatam Taluk.

One Sketch.
" Section.
" Plan.
Two Detailed Estimates.
" Abstract do.
One Hydraulic Sketch.
" Financial Details.

2. The bund of this tank was altogether too low throughout its whole length and the old stone revetment much out of order. The work of repair was commenced from Relief Funds last year on the general sanction to the repairs in anticipation of sanction of estimates. The replacing of the old stone revetment has been almost completed, also a good deal of turfing and the clearance of prickly-pear. But the new stone revetment has not been begun, and some of the earthwork is incomplete. Work has been suspended, as within 25 miles of the Palar channels there is an old calingulah 44 feet long which is in a ruined state and is insufficient to discharge the maximum supply of 1,066 cubic feet per second. It is proposed to remove the present calingulah entirely and to build a flush escape 113 feet long instead. The old calingulah is in the right place for the escape; the new work will be divided into two parts by a rock which comes in the way and which is too large to be removed. I request that the enclosures may be returned when no larger required.

No. 17 I.

No. 62-A. *Note by the Chief Engineer for Irrigation.*

THE Officiating Superintending Engineer, North Arcot, forwards with his letter No. 2,853, dated 7th September 1878, marginally noted an estimate in connection with the Karigari large tank belonging to the Brainapoorum Nynath tank group. The tank is situated in the Gudiyatam Taluk, Chittur Division, latitude 12° 59′ 15″, longitude 79° 14′ 30″.

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.
Constructing a masonry weir	570
Raising revetment of the bund with new stone	565
Repairs.	
Raising and repairing the bund, also repacking the revetment ...	1,205
Total ...	2,340

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

Ayacut area	105 Acres.
Assessment	779 Rupees.
Average revenue	741 ,,
Highest ,, ...	Not stated.
Expenditure during the previous four years	None.
Average cultivation per square mile of catchment basin ...	50·1 Acres.

The area of the catchment basin is 2 square miles, which includes the drainage of the high-lying tank; the maximum flood supply is calculated at 1,066 cubic feet per second, for discharging which as surplus there is a calingulah 44 feet in length, effective 37 feet, which is in a ruined condition and inadequate to discharge the surplus; it is therefore proposed to remove the calingulah entirely and to construct a masonry weir 113 feet in length in its stead on the same site.

This tank surpluses across the line of Railway at 77 miles 3 chains. The bund is so low that it is barely above F.T.L. and the revetment is out of order and much below the height required.

Most of the repairs of this tank have been carried out last year from Famine Relief Funds and the cost is included in the estimate now submitted for sanction.

The estimate provides for—

1*st*.—Repairing and raising the bund to a uniform height of 4·5 feet above F.T.L. or 2·5 feet above M.W.L. with a top width of 4·5 feet and side slopes of 1·5 to 1, removing brush-wood, repacking the revetment and raising the same with new stone, and for turfing the unrivetted portions of the water slope.

2*nd*.—Constructing a masonry weir.

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.
Bramapooram Nynath Tank Group.	5	Karigari large tank.	Constructing a masonry weir.	Irrigation.	Original Works.	570	1,135
			New stone revetment to the bund.		Do.	565	
			Repairing the bund and repacking the revetment.		Repairs	1,205	1,205

CAMP AT BAROOR,
20th January 1879.

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

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

No. 63. ORDER THEREON, 30th January 1879, No. 58 I.

THE following estimates from the Chittur Division, forwarded by the Officiating Superintending Engineer, are sanctioned.

HEAD OF SERVICE—IRRIGATION.
BRAMAPOORAM NYNATH TANK GROUP.
Karigari Large Tank.

	Work.	Rs.
1.	Masonry weir—Original Works	570
	New stone revetment— do.	565
	Total ...	1,135
2.	Repairing bund and repacking revetment—Repairs	1,205
	Total ...	1,205

(To be carried out by the Public Works Department Officer in charge, Chittur Division).

2. These sanctions have been registered as No. 417 I of 1878-79.

(True Extract.)

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

To the Superintending Engineer, Third Circle.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.
" Collector of North Arcot.

Exd. G. Freeman.
Spare Copies

Revenue Department

No 1731

IRRIGATION.
ACCOUNT.

Govt. of 1879; Madras.

PUBLIC WORKS.

To

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

Dated January, 1880.

Dated 25 July 1879.

G. O., Dated January 1879, No. 28 I.

JANUARY.

No 777
Communicated to the Board of Revenue.
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10 Boards of Revenue 5/12/82