(1) Number of pages 2 Sheets

(2) Date of repair

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	6433	Press. / Mis.
Dated	28. 11. 1877	197 .

Not to be folded or roughly handled.

Archives I—10,006—19-4-79.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

19th November 1877, No. 505 I.

Irrigation.

Read the following paper :—

No. 63. From Colonel F. J. MOBERLY, R.E., Superintending Engineer, Chingleput, to the Chief Engineer for Irrigation, dated St. Thomas' Mount, 20th August 1877, No. 1,930.

I HAVE the honor to forward, for the sanction of Government, an estimate, amounting to Rupees 845, for repairing the Vallum tank of the Kolavoy group, Chingleput taluq, in No. 3 or Chingleput Division.

No. 231 I.

No. 63-A. *Note by the Chief Engineer for Irrigation.*

THE Superintending Engineer, Chingleput, forwards, with his letter marginally noted, an estimate in connection with the Vallum tank of the Kolavoy tank group, situated in the Chingleput taluq, Chingleput range.

No. 1,930, dated 20th August 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.

Repairs.	Rs.
Raising and repairing the bund, repairing three Irrigation sluices, improving the calingulah, and forming an escape planted with grass ...	845
Total ...	845

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

Ayacut area	117 Acres.
Assessment	542 Rupees.
Average revenue	575 ,,
Highest do.	640 ,,
Expenditure during the previous four years	Nil.
Average cultivation per square mile of catchment basin ...	82·7 Acres.

This tank is situated in the Kolavoy ba[illegible]d effects the railway at the 34th mile. It has no high lying tanks.

The area of the catchment basin is $1\frac{1}{2}$ square miles, the maximum flood supply is calculated at 737 cubic feet per second, for discharging which as surplus there is a calingulah 23·5 feet in length with two notches each 4·75 feet long and 6 inches deep, the effective length of this work is 9·5 feet, and in order to make the whole length available it is proposed to convert the calingulah into a flush weir by building up the notches. It is also proposed to form a grass planted escape 109 feet long at same level, making an aggregate length of 132·5 feet available for the surplus discharge.

The bund of this tank is much eroded, and the inner slope and revetment damaged by the floods of 1872 and 1874.

The tank has three irrigation sluices all of which are in need of repairs.

The estimate provides for raising and repairing the bund, repacking the revetment which is 2·5 feet below F.T.L., planting the space between the top of the revetment

and F.T.L. with tank grass, forming an escape planted with grass, repairing three irrigation sluices, and converting the calingulah into a weir.

In this part of the district stone is abundant, and, as the tank is one of a group and is above the railway, it will be better to provide an escape of the form shown in design No. 5, circular No. 67, which will cost for a length of 56 feet about Rupees 224.

Rupees 24 for grass planting have been deducted from the repair estimate, and Rupees 224 allowed for an additional surplus 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.
						Rs.	Rs.
Kolavoy Group.	...	Vallum Tank	Repairing bund and three sluices, improving calingulah.	Irrigation.	Repairs.	821	821
			Constructing a surplus weir.	Do.	Original Works.	224	224

FORT ST. GEORGE,
8th November 1877.

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

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

No. 64. ORDER THEREON, 19th November 1877, No. 505 I.

THE following estimate from the Chingleput Range forwarded by the Superintending Engineer, Chingleput, is sanctioned :—

Head of Service.—Irrigation.
Vallum Tank.

Work.—Reparing bund and three sluices and improving calingulah, Repairs Rupees 821.
Constructing a surplus weir, Original Works Rupees 224.

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

2. These sanctions have been registered as No. 257 I of 1877-78.

(Extract.)

P. Montgomerie
Major, R.E.,
Ag. Under Secy. to Govt., P.W.D.,
Irrigation Branch.

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

Exd. E. C. Shunker.

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29/11

IRRIGATION.

Govt. of [illegible] Madras.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEER,
CHINGLEPUT.

Sir, &c., &c.

Dated November 19th.

Rect. 27 November Encl.

G. O., 19th November 1877, No. 505 I.

NOVEMBER.

Nos. 63-64.

Vellum Tank, Chingleput District.—Sanctions estimate for repairs to the—

No. 6433
Comm. Lottes
Board of Revenue