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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue. DEPARTMENT

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

13th May 1878, No. 402 I.

Irrigation.

Account.

Read the following papers:—

No. 59. From Colonel P. O'CONNELL, R.E., Superintending Engineer, Chingleput, to the Chief Engineer for Irrigation, dated St. Thomas' Mount, 15th February 1878, No. 688.

I HAVE the honor to forward for the sanction of Government plans and estimates, amounting to Rupees 760, for repairing and forming an escape to Valuthalumbedu Theethan Thangal being one of the Seemapooram series in Ponery taluq.

Two Estimates.
Three Plans.

2. Estimates or reports for the remaining tanks connected with the above group will be submitted shortly.

No. 127 I.

No. 59-A. *Note by the Chief Engineer for Irrigation.*

The Superintending Engineer, Chingleput, forwards, with his letter marginally noted, an estimate in connection with the Valuthalumbedu Theethan Thangal belonging to the Seemapooram series. The Thangal is situated in the Ponery taluq, No. 1 or Sereoloor range, latitude 80° 17′ 0″, longitude 13° 15′ 30″.

No. 688, dated 15th February 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.
Forming an escape planted with grass	100
Repairs.	
Raising and repairing the bund and repairing the irrigation sluice	660
Total ...	760

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

Ayacut area	Acres	138
Assessment	Rupees	669
Average revenue	,,	620
Highest do.	,,	671
Expenditure during the previous four years	,,	152
Average cultivation per square mile of catchment basin ...	Acres	17·0

The area of the catchment basin is 7·5 square miles; the maximum flood supply is calculated at 1,723 cubic feet per second, for discharging which as surplus there is

no outlet, and it is not stated how the surplus is disposed of, probably it is discharged round the ends of the bund. It is proposed to form a planted escape 558 feet in length with rough-stone wings. The bund is low and weak and appears to have been breached, but no mention is made of this in any of the papers submitted. The tank has an irrigation sluice which is in need of slight repairs.

There are six tanks above this, one apparently needing repairs, as it is stated that estimates for them will be submitted hereafter.

The present estimate provides for—

1*stly*.—Forming a planted escape with rough-stone wing walls pointed with mortar.

2*ndly*.—Raising, repairing and turfing the bund, also repairing the irrigation sluice.

It is to be noticed with reference to the report that the depth of water on the plug stone of the sluice when the tank is full being only about 2·60 feet, the diameter of the plug hole should be 8 inches.

The sketch map of the group should have been a portion of a Revenue Survey map.

The estimates for the upper tanks should be prepared and submitted without delay. It is evidently of much importance that the Nayar tank should be safe.

It seems doubtful whether either of the three tanks below the Valuthalumbedu tank should continue to be maintained. These three petty tanks have hardly any independent catchment basin, and it would apparently be better to bring their beds and their ayacuts under the Valuthalumbedu Theethan tank.

The Revenue Survey Map would have indicated the circumstances clearly.

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.	Maintenance.	Class.	Amount of each Item.	Amount to be separately accounted for.
						Rs.	Rs.
Seemapooram series.	3	Valuthalumbedu Theethan Thangal.	Forming an escape planted with grass.	Irrigation.	Repairs.	100	760
			Repairing the bund and irrigation sluice.	Do.	Do. ..	660	

OOTACAMUND,
6th May 1878.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

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

No. 60. ORDER THEREON, 13th May 1878, No. 402 I.

THE following estimates from the No. 1 or Sercoloor Range, forwarded by the Superintending Engineer, Chingleput, are sanctioned :—

Head of Service.—Irrigation.
Seemapooram Series.
Valuthalumbedu Theethan Thangal.

				Rs.
WORK.—Forming an escape planted with grass, Repairs	...	...	...	100
Repairing the bund and irrigation sluice, Repairs	...	...	...	660

To be carried out by the Public Works Department Officer in charge, No. 1 or Sercoloor Range.

2. These sanctions have been registered as Nos. 55 I of 1878-79.

(True Extract.)

(Signed) JOHN MULLINS, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

(True Copy.)

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

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

Exd. E. C. Shunker.

Spare Copies.

Communicated 18th May 1878

No 2358

IRRIGATION.
ACCOUNT

Govt. of (1878) Madras

PUBLIC WORKS.

The DISTRICT ENGINEER,
NILGIRI DIST.
&c., &c., &c.

Dated May 1878.

Rec'd June 3rd

MAY.
Nos. 59-60.

No 1267

Communicated
the Board of Revenue

29 June 1878

Collector Thanjavur, Tiruvadi, Chingl
Tirunelveli—Estimate amounting to
for the improvement of the
Vettar.