(1) Number of pages 2

(2) Date of repair 16.6.81

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No:	4421 (2)	~~Press.~~ / Mis.
Dated	7-8-1877	197 .

Not to be folded or roughly handled

Archives I—10,006—19-4-79.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

31st July 1877, No. 199 I.

Irrigation.

Account.

Read the following paper:—

No. 109 I.

No. 138. *Note by the Chief Engineer for Irrigation.*

The District Engineer, North Arcot, forwards with his letter marginally noted an estimate in connection with the Allinaghur tank situated in the Polur Taluq, Polur Range.

No. 921, dated 18th June 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.

Original Works.

	Rs.
Extending the weir, raising its body-wall up to F.T.L., and providing an additional apron	195
Reconstructing an Irrigation sluice	410

Repairs.

Converting the calingulah into weir by removing the dam stones, raising the body-wall up to F.T.L., and providing an additional apron.	70
Raising and repairing the bund and repacking the revetment	1,490
Total ...	2,165

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

Ayacut area	Acres 123
Assessment	Rupees 723
Average revenue	„ 617
Highest do.	Not stated.
Expenditure during the previous four years	Nil.

The Allinaghur tank is situated in latitude 12° 31' 15", longtitude 79° 10' 30". It is the upper one of the Mooragapady sub-group of the Oogoor large tank main group.

The area of the catchment basin is 1 square mile, the maximum flood-supply is calculated at 562 cubic feet per second, for discharging which as surplus there are two calingulahs aggregating 50 feet in length effective 42 feet. It is proposed to convert these calingulahs into weirs and to add 15 feet to the length of one of them so as to make a total effective length of 65 feet.

The bund is low throughout and needs to be raised, and the revetment repacked. One of the Irrigation sluices is in bad condition, and this it is proposed to replace by a new one.

In addition to its catchment supply this tank receives a further supply of 80 cubic feet per second from the Munjalor, a mountain stream, the channel from which is under regulation by means of a head sluice.

The amount proposed for expenditure is large compared with the importance of the tank, and may be reduced to some extent.

The "turfing" and "grass seed sowing," works of doubtful success, may be dispensed with; saving Rupees 270.

As the M.W.L. may with safety be allowed to be 2 feet 3 inches above F.T.L., the extension of No. 1 calingulah is not necessary, and the estimate for merely converting it into a weir with extra apron as for No. 2 calingulah will be only Rupees 70 instead of Rupees 195. In altering both these calingulahs the new body walls should be placed as near the front of the old one as possible, so that part of the latter may act as horizontal aprons.

In the estimate for the sluice the concrete in the foundations is put down at the same rate as that for "brick work" superstructure, and more than half as much again as that for "stone in chunam;" made of "quarry chips" or small stone it would cost less than the latter and Rupees 20 may be deducted from the estimate. The form of plug is bad; remarks* on the same subject with reference to sluices for the Elooppay and Cadooganoor tanks are here applicable and should be attended to.

* See Note No. 102 I, dated 13th July 1877. Printed with G. O., No. 189 I, dated 23rd July 1877.

The District Engineer should consider whether the repacking of the revetment at a cost of Rupees 600 is at all likely to be worth the money. The slope on which the revetment or rather pitching lies is very flat and probably it is as effective, as it will be if repacked, in preventing the action of the waves on the subjacent soil.

With the alterations noted the estimate is recommended for sanction.

FORT ST. GEORGE,
21st July 1877.

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

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

No. 139. ORDER THEREON, 31st July 1877, No. 199 I.

THE following estimate from the Polur Range forwarded by the District Engineer, North Arcot, is sanctioned:—

ALLINAGHUR TANK.

Head of Service.—Irrigation.

Group or Project.	Fund and Main-head.	Class.	Name of Work.	Particulars of Work.	Amount.
					Rs.
Oogoor large tank group.	Ordinary Agricultural, Irrigation.	Original Works.	Allinaghur tank.	1. Reconstructing sluice.	390
		Repairs ...	...	2. Converting two calingulahs into weirs.	140
				3. Repairing bund ...	1,220
				Total ...	1,750

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

2. The remarks on the revetment should receive attention.

3. This sanction has been registered as No. 108 I of 1877-78.

(True Extract.)

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

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

Exd. E. C. Shunker.

Spare Copies

Revenue Despatch
No 3576

IRRIGATION.
ACCOUNT.

Cobl. of 1877 Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
NORTH ARCOT,
&c., &c., &c.

Dated July 21st.

Rec'd 7 August Encl.

G. O., 31st July 1877, No. 1991.

JULY.
Nos. 133-139.

Allinaghur Tank, North Arcot District.—Sanctions estimate of Rupees 1,750 for improvements to

No 4421
Comm.r to the
Board of Revenue
8 Aug.t 77

Rec'd 7 Aug.t 77