

(1) Number of pages 4
(2) Date of repair 2. 7. 1981.
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	H178	Press.
B.P. No.		Mis.
Dated	26. 7. 1877	197

Not to be folded or roughly handled.

408
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

12th July 1877, No. 157 I.

Irrigation.

Account.

Read the following paper:—

No. 85 I.

No. 60. *Note by the Chief Engineer for Irrigation.*

The District Engineer, North Arcot, forwards, with his letter marginally noted, an estimate in connection with the Valluvambakkam tank and its spring channel situated in the Wallajah Taluq, Wallajah Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow:—

PALAR ANICUT SYSTEM.

(2.) MAIN CANALS AND BRANCHES.

Mahendravady Channel.

N. Tanks and Reservoirs.

Valluvambakkam Tank.

Revenue.

Extensions and Improvements.

	Rs.
Converting two calingulabs into weirs	500
<i>Maintenance and Repairs.</i>	
Raising and repairing the bund... ..	1,105
Clearing the spring channel	580
Total ...	2,185

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

Ayacut area	222 Acres.
Assessment	1,227 Rupees.
Average revenue	938 "
Highest do.	Not stated.
Expenditure during the previous four years	Not known.

The area of the catchment basin is 1 square mile; the maximum flood supply is calculated at 857 cubic feet per second (of which catchment 562 and channel 295), for discharging which as surplus there are two calingulabs the aggregate length of which is 90 feet, effective 70 feet, the body walls are 4.5 feet below F.T.L., and the volume of water that can be discharged through the spaces between the dam stones when open is much more than is necessary.

This tank is situated in latitude 13° 55' 30" N. longitude 79° 27' 30" E. and receives a supply (regulated by shutters) through the Mahendravady channel in addition to the supply it receives from its own catchment basin. There are no tanks above it. Its own surplus is discharged into the Cauveripauk tank.

The bund of the tank is low and weak throughout and is overgrown with prickly-pear, the revetment also is in disorder, and the head of the spring channel needs clearing and deepening.

The estimates provide for:—

1st.—Raising the bund to 4.5 feet above F.T.L. and for repairing it, repacking the revetment, removing the prickly-pear, and turfing the front and rear slopes.

2nd.—Converting the two calingulabs into weirs by removing the dam stones and raising their body walls to F.T.L.

3rd.—Deepening the head and clearing a small portion of the spring channel.

With reference to this last work the District Engineer reports that it was required to convey water from a spring across the dry bed of the tank to one of the sluices, that the work has been carried out in anticipation of sanction from Famine Relief Funds, and that the result has been the cultivation of a portion of the nunjah land which otherwise would have received no water. In the absence of information as to the extent of land cultivated and the revenue derived, the propriety of the work is doubtful seeing that in ordinary years the spring channel is not required and would probably be silted up.

The estimates are recommended for sanction, the one for repairing of the bund however being reduced from Rupees 1,105 to Rupees 865 by the substitution for the * 15,000 square feet at 5 As. square = 47 Rs. provision for turfing both sides of the bank of one* for turfing the front slope only where not revetted between F.T.L. and M.W.L.

The old revetment is very flat and appears to occupy too low a position on the slope. It would be better if it extended for the same length from M.W.L. downwards.

(Signed) G. T. WALCH.

Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

Fort St. George,
3rd July 1877.

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

No. 61. ORDER THEREON, 12th July 1877, No. 157 I.

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

VALLUVAMBAKKAM TANK AND ITS SPRING CHANNEL.

Head of Service.—Irrigation.

System.	Fund.	Class.	Main-head.	Sub-head.	Name of Tank, Canal or Channel.	Particulars of Work.	Amount.
Faint ancient system.	Revenue	I. A.—Extensions and improvements.	(2) Main canals and branches, Malendraya-Sy channel.	Tank and Reservoir.	Valluvambakkam tank.	1. Converting two calingulabs into weirs.	Rs. 600
		I. B.—Maintenance and repairs.				2. Repairing bund.	865
		Do.			Spring channel	3. Clearing spring channel.	545

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

2. This sanction has been registered as No. 91 I of 1877-78.

(True Extract.)

W. L. L. L. L.

Colonel, R.E.,

Joint Secy. to Govt., P.W.D.,

Irrigation Branch.

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

Exd. E. C. Shunkar.
Spars Copies

Revenue Department
No 3426

REVENUE
ACCOUNT

Est. of 1877-78
PUBLIC WORKS.

THE DISTRICT ENGINEER,
NORTH ALCOT,
DO. DO. DO.

1877-78

1877-78

25 July

1877-78

1877-78

JULY

1877-78

Estimated cost of the supply
of water for the district of
North Alcot, 1877-78, is
£1,245 10s 0d.

4178
Comd to the
Board of Revenue
26 July 77

926 489 8 2000000 1877-78