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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	6476	Press.
B.P. No.		Mis.
Dated	5-12-1877.	197

Not to be folded or roughly handled.

82
Archives 1-10,006-19-4-79.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

22nd November 1877, No. 517 I.

Irrigation
Account.

Read the following papers:—

No. 77. From Lieutenant-Colonel H. L. PRENDERGAST, R.E., District Engineer, North Arcot, to the Chief Engineer for Irrigation, dated Vellore, 17th August 1877, No. 1,677.

I HAVE the honor to submit for sanction an estimate of Rupees 2,560 with plans and section for repairing the Velapaukum tank, in the Poloor taluq, for reconstructing the two sluices, the low level sluice being leaky and out of order, and the high level sluice altogether ruined and unserviceable. A great part of the old

- 1 Section.
- 1 Sketch Map.
- 3 Plans.
- 2 Estimates and its abstracts.
- 1 Hydraulic Statement.

stone revetment is out of order and requires to be repacked. A surplus weir is required to discharge 737 cubic feet per second; at present the surplus is let out by cuts at the end of the bund, and there is a large falling off in the average revenue from the ayacut revenue.

2. The repairs of the bund and reconstruction of the old sluices are in progress from Famine Relief Funds. This work was put in hand in last official year in the same way as other works reported on in my letter No. 1,674 of the 17th instant.

3. I request that the enclosures may be returned when no longer required.

No. 229 I.

No. 77-A. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, North Arcot, forwards, with his letter marginally noted, an estimate in connection with the Velapaukum tank situated in the Poloor taluq, Poloor range.

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.				RS.
<i>Original Works.</i>				
Constructing a masonry weir	...	...	...	340
Reconstructing the high level irrigation sluice	...	...	...	185
<i>Repairs.</i>				
Raising and repairing the bund	...	...	...	1,680
Reconstructing portions of low level irrigation sluice	...	...	...	355
Total...				2,560

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

Ayaut area	...	...	...	...	...	Acres	178
Assessment	...	...	...	...	...	Rupees	902
Average revenue	...	...	...	...	...		721
Highest do.	...	...	...	...	...		Not stated.
Expenditure during the previous	...	...	...	...	...		
Cultivation 95 acres to the square	...	...	...	...	...	Rupees	39

This tank is situated in latitude $12^{\circ} 27' 30''$ and longitude $79^{\circ} 13' 10''$; it belongs to the main group of Velapankum small tank and has no high-lying tanks.

The area of the catchment basin is 1.5 square miles, the maximum flood supply is calculated at 737 cubic feet per second, for discharging which as surplus there are cuts at the end of the bund. Some difficulty is experienced in closing these cuts in time, and a wastage of water consequently takes place; it is therefore proposed to construct a masonry weir 65 feet in length at the end of the bund.

The bund of this tank is low and weak and the revetment is in bad order; the low level sluice is leaky and in a bad state, and the high level one is in a ruined and unserviceable condition.

Owing to the weak and inefficient state of the tank the whole of the registered ayaut under it has not been brought under cultivation, but it is stated that the proposed repairs will not only render the tank efficient and capable of irrigating the entire area of land under it, but that it will probably irrigate a portion of the land now cultivated dry.

It is however to be remarked that the average cultivation is as much as 95 acres per square mile of catchment basin, and this is a very high proportion, so unless the circumstances are special or the basin has been under-estimated, any extension of area is improbable.

The estimate provides for—

1st.—Raising and repairing the bund, repacking the revetment, turfing the unrevetted portion of the water slope, and sowing grass seeds on the outer slope of the bund.

2nd.—Rebuilding portions of the low level masonry irrigation sluice.

3rd.—Reconstructing the high level masonry irrigation sluice.

4th.—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.
Velapankum small tank group.	..	Velapankum tank.	Constructing masonry weir. Reconstructing high level sluice. Repairing bund Reconstructing portions of low level sluice.	Irrigation.	Original Works. Do. Repairs. Do.	Rs. 340 185 1,680 355	Rs. 525 2,035

(Signed)

P. MONTGOMERIE, Major, R.E.,
Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

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

No. 78.

ORDER THEREON, 22nd November 1877, No. 517 I.

The following estimates from the Poloor range forwarded by the District Engineer, North Arcot, are sanctioned:—

HEAD OF SERVICE—IRRIGATION.

Velapankum Tank.

	RS.
1 { Work.—Constructing masonry weir, Original Works	340
{ High level sluice, Original Works	185
2 { Repairing bund, Repairs	1,680
{ Low level sluice, Repairs	355

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

2. This sanction has been registered as No. 262 I of 1877-78.

(True Extract.)

P. Montgomerie

Major, R.E.,

Ag. Under Secy. to Govt., P.W.D.,

Irrigation Branch.

To the District Engineer, North Arcot.

" Collector of North Arcot.

" Examiner of Public Works Accounts.

" Chief Engineer for Irrigation.

" Revenue Department. ✓

Revenue Department

No 5020

IRRIGATION
ACCOUNT.

Govt. of 1877 ~~Madras~~

PUBLIC WORKS.

To

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

Dated November 22nd.

Issued

Recd. 4th December Recd.

G. O., 22nd November 1877, No. 517 I.

See Memo

NOVEMBER.

Nos. 77-78.

75. 1878 Revenue (11-7)

Velapankuth Tank, North Arcot District—
Sanctions estimate of Rupees 2560 for
repairs to the —

N. 6476

Comd. to the
Board of Revenue
5 Dec 77