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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

DEPARTMENT

GO No	1062	R & V. M.	Press
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Dated			1 5 18 197

Not to be folded or roughly handled

YB/11

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

11th April 1878, No. 323 I.

Irrigation.
Account.

Read the following papers:—

No. 55. From Lieutenant-Colonel H. L. PRENDERGAST, R.E., District Engineer, North Arcot, to the Chief Engineer for Irrigation, dated Vellore, 9th October 1877, No. 2,276.

I HAVE the honor to submit for sanction, plans and estimate of Rupees 2,150, for repairing the Tetray large tank, which is at the termination of the Tetray branch from the Cheyaur ancient main channel, and is exhibited on the sketch map submitted with my letter, No. 1,877, dated 6th September 1877.

One Section.	
Two Plans.	
One Detailed Estimate.	
" Abstract do.	
" Hydraulic Statement.	

2. The bund of the tank is low the greater part of its length, the front slope is much cut up and the revetment a good deal out of order. The stone requires to be repacked, and the bund to be raised and widened.

3. The sluice is silted up and leaky, and its head is in a ruinous state; so that a new sluice is required.

4. The present surplus weir is sufficient to discharge the total supply of 750 cubic feet per second, but the apron is out of order and requires to be repaired, and the wings to be raised.

5. The Tetray tank was breached by the cyclone of 1872, and the breaches were closed subsequently at a cost of Rupees 1,102-8-0, but no general repairs were then attended to.

6. The usual statement of hydraulic and financial details is sent.

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

No. 32 I.

No. 55-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 Tetray large tank belonging to the Alathoray sub-group of the Madurantakum Main Group situated in the Wandewash Taluk, Poloor Range.

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

CHEYAUZ ANICUT SYSTEM.

ORDINARY AGRICULTURAL

Irrigation.

Repairs.

	RS.
Reconstructing irrigation sluice	825
Raising and repairing the bund	1,230
Repairing the calingulah	95
Total	2,150

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

Aracut area	Acre 100
Assessment	Rs. 678
Average revenue	700
Highest do.	Not stated.
Expenditure during the previous four years	Rs. 1,102

4. This tank is situated at the end of the Tetray channel, a branch of the Cheyauz anicut main channel.

5. The area of the catchment basin is 1 square mile, the maximum flood supply is calculated at 750 cubic feet per second, of which 450 cubic feet is from the drainage area and 300 cubic feet from the channel, for discharging which as surplus there is a calingulah, the entire length of which is 48 feet, its effective length being 40 feet. It is provided with shutters to allow surplus water to pass on to lower tanks, the wing walls need to be raised, the first apron requires to be rebuilt and the second repacked.

6. The bund is low and the front slope is much eroded and cut up, and the revetment is in disorder.

7. The irrigation sluice is leaky and not capable of regulation, and its reconstruction is reported to be necessary. A sluice was built in 1869 to supersede it, but was carried away by the breaching of the tank in 1872.

8. The estimate provides for:—

1st.—Raising and repairing the bund, repacking the revetment, turling the unrevetted portions of the water slope and sowing grass seeds on the land slope of the bund.

2nd.—Improving the calingulah by raising its wings, rebuilding the first apron and repacking the second.

3rd.—Reconstructing the irrigation sluice.

9. Several of the details need modification, and the required alterations have been noted on the plan.

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.	Dischargeing Member or Factor of Group.	Name of Tank or Channel.	Description of Work.	Main Head.	Class.	Amount of each item.	Amount to be separately accounted for.
Cheyauz Anicut System.		Tetray large tank.	Reconstructing irrigation sluice. Repairing bund. Repairing calingulah.	1st 2nd 3rd	Repairs. Do. Do.	825 1,230 95	2,150

Four St. George,
20th March 1878.

(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. 56.

ORDER THEREON, 11th April 1878, No. 323 I.

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

HEAD OF SERVICE—IRRIGATION.

Cheyauz Anicut System.

Tetray Large tank.

	RS.
Work.—Reconstructing irrigation sluice, pairs	825
Repairing bund.—Repairs	1,230
Do. calingulah	95
Total	2,150

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

2. This sanction has been registered as L. 31 I of 1878-79.

(True Extt.)

(Signed)

HEN MULLINS, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

(True Co.)

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Major, R.E.,
Under 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. A. Raith
Spare Copies

1812
Revenue 1878

IRRIGATION
ACCOUNT 1865

GOVT. OF (1878) ILLINOIS
PUBLIC WORKS.

THE CHIEF ENGINEER FOR IRRIGATION.

Dated April 11th.

and April 19th.

R. O. 1114 4th 1878, 2nd 3rd L.

APRIL

Nov. 55-56.

Re 1865

Communicated
to the Board of Revenue

1878

State of Ill. Dep. of

7 11 Board of Revenue 1878